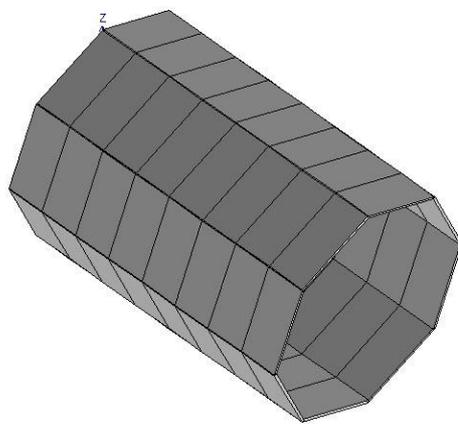


# TABULATI DI CALCOLO OPERE STRUTTURALI

MODELLO



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# RELAZIONE DI CALCOLO STRUTTURALE

## Premessa

La presente relazione di calcolo strutturale, in conformità al §10.1 del DM 14/01/08, è comprensiva di una descrizione generale dell'opera e dei criteri generali di analisi e verifica. Segue inoltre le indicazioni fornite al §10.2 del DM stesso per quanto concerne analisi e verifiche svolte con l'ausilio di codici di calcolo.

Nella presente parte sono riportati i principali elementi di inquadramento del progetto esecutivo riguardante le strutture, in relazione agli strumenti urbanistici, al progetto architettonico, al progetto delle componenti tecnologiche in generale ed alle prestazioni attese dalla struttura.

## Descrizione generale dell'opera

Descrizione generale dell'opera	
Fabbricato ad uso	
Ubicazione	Comune di BRUSCIANO (NA) (Regione CAMPANIA)
	Località BRUSCIANO (NA)
	Longitudine 14.426, Latitudine 40.923

Parametri della struttura			
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
II	50.0	1.0	50.0

## Quadro normativo di riferimento adottato

Le norme ed i documenti assunti quale riferimento per la progettazione strutturale vengono indicati di seguito.

Nel capitolo "normativa di riferimento" è comunque presente l'elenco completo delle normative disponibili.

Progetto-verifica degli elementi	
Progetto cemento armato	D.M. 14-01-2008
Progetto acciaio	D.M. 14-01-2008
Progetto legno	D.M. 14-01-2008
Progetto muratura	D.M. 14-01-2008
Azione sismica	
Norma applicata per l'azione sismica	D.M. 14-01-2008

## Azioni di progetto sulla costruzione

Nei capitoli “modellazione delle azioni” e “schematizzazione dei casi di carico” sono indicate le azioni sulla costruzioni.

Nel prosieguo si indicano tipo di analisi strutturale condotta (statico,dinamico, lineare o non lineare) e il metodo adottato per la risoluzione del problema strutturale nonché le metodologie seguite per la verifica o per il progetto-verifica delle sezioni. Si riportano le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti; le configurazioni studiate per la struttura in esame **sono risultate effettivamente esaustive per la progettazione-verifica.**

La verifica della sicurezza degli elementi strutturali avviene con i metodi della scienza delle costruzioni. L’analisi strutturale è condotta con il metodo degli spostamenti per la valutazione dello stato tensodeformativo indotto da carichi statici. L’analisi strutturale è condotta con il metodo dell’analisi modale e dello spettro di risposta in termini di accelerazione per la valutazione dello stato tensodeformativo indotto da carichi dinamici (tra cui quelli di tipo sismico).

L’analisi strutturale viene effettuata con il metodo degli elementi finiti. Il metodo sopraindicato si basa sulla schematizzazione della struttura in elementi connessi solo in corrispondenza di un numero prefissato di punti denominati nodi. I nodi sono definiti dalle tre coordinate cartesiane in un sistema di riferimento globale. Le incognite del problema (nell’ambito del metodo degli spostamenti) sono le componenti di spostamento dei nodi riferite al sistema di riferimento globale (traslazioni secondo X, Y, Z, rotazioni attorno X, Y, Z). La soluzione del problema si ottiene con un sistema di equazioni algebriche lineari i cui termini noti sono costituiti dai carichi agenti sulla struttura opportunamente concentrati ai nodi:

$\mathbf{K} * \mathbf{u} = \mathbf{F}$       dove     $\mathbf{K}$  = matrice di rigidezza

$\mathbf{u}$  = vettore spostamenti nodali

$\mathbf{F}$  = vettore forze nodali

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all’elemento stesso.

Il sistema di riferimento utilizzato è costituito da una terna cartesiana destrorsa XYZ. Si assume l’asse Z verticale ed orientato verso l’alto.

Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

- Elemento tipo **TRUSS**                      (biella-D2)
- Elemento tipo **BEAM**                      (trave-D2)
- Elemento tipo **MEMBRANE**                      (membrana-D3)
- Elemento tipo **PLATE**                      (piastra-guscio-D3)
- Elemento tipo **BOUNDARY**                      (molla)
- Elemento tipo **STIFFNESS**                      (matrice di rigidezza)

- Elemento tipo **BRICK** (elemento solido)
- Elemento tipo **SOLAIO** (macro elemento composto da più membrane)

## Modello numerico

In questa parte viene descritto il modello numerico utilizzato (o i modelli numerici utilizzati) per l'analisi della struttura. La presentazione delle informazioni deve essere, coerentemente con le prescrizioni del paragrafo 10.2 delle NTC-08, tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità

Tipo di analisi strutturale	
Statica lineare	SI
Statica non lineare	NO
Sismica statica lineare	NO
Sismica dinamica lineare	SI
Sismica statica non lineare (prop. masse)	NO
Sismica statica non lineare (prop. modo)	NO
Sismica statica non lineare (triangolare)	NO
Non linearità geometriche (fattore P delta)	NO

Di seguito si indicano l'origine e le caratteristiche dei codici di calcolo utilizzati riportando titolo, produttore e distributore, versione, estremi della licenza d'uso:

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	ENTRY (build 2016-10-175)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara

Un attento esame preliminare della documentazione a corredo del software **ha consentito di valutarne l'affidabilità e soprattutto l'idoneità al caso specifico**. La documentazione, fornita dal produttore e distributore del software, contiene una esauriente descrizione delle basi teoriche e degli algoritmi impiegati, l'individuazione dei campi d'impiego, nonché casi prova interamente risolti e commentati, corredati dei file di input necessari a riprodurre l'elaborazione:

### Affidabilità dei codici utilizzati

2S.I. ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche.

E' possibile reperire la documentazione contenente alcuni dei più significativi casi trattati al seguente link: <http://www.2si.it/Software/Affidabilità.htm>

### Modellazione della geometria e proprietà meccaniche:

nodi	72
elementi D2 (per aste, travi, pilastri...)	0
elementi D3 (per pareti, platee, gusci...)	64
elementi solaio	0
elementi solidi	0

### Dimensione del modello strutturale [cm]:

X min =	0.00
Xmax =	200.00
Ymin =	-70.00
Ymax =	70.00
Zmin =	-115.00
Zmax =	25.00

### Strutture verticali:

Elementi di tipo asta	NO
Pilastri	NO
Pareti	NO
Setti (a comportamento membranale)	NO

### Strutture non verticali:

Elementi di tipo asta	NO
Travi	NO
Gusci	NO
Membrane	NO

<b>Orizzontamenti:</b>	
Solai con la proprietà piano rigido	NO
Solai senza la proprietà piano rigido	NO
<b>Tipo di vincoli:</b>	
Nodi vincolati rigidamente	SI
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	SI
Fondazioni con elementi solidi	NO

### **Modellazione delle azioni**

Si veda il capitolo **“Schematizzazione dei casi di carico”** per le informazioni necessarie alla comprensione ed alla ricostruzione delle azioni applicate al modello numerico, coerentemente con quanto indicato nella parte **“2.6. Azioni di progetto sulla costruzione”**.

### **Combinazioni e/o percorsi di carico**

Si veda il capitolo **“Definizione delle combinazioni”** in cui sono indicate le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti.

<b>Combinazioni dei casi di carico</b>	
APPROCCIO PROGETTUALE	Approccio 2
Tensioni ammissibili	NO
SLU	SI
SLV (SLU con sisma)	SI
SLC	NO
SLD	SI
SLO	NO
SLU GEO A2 (per approccio 1)	NO
SLU EQU	NO
Combinazione caratteristica (rara)	SI
Combinazione frequente	SI

Combinazione quasi permanente (SLE)	SI
SLA (accidentale quale incendio)	SI

## Principali risultati

I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta.

### 2.8.1. Risultati dell'analisi modale

Viene riportato il tipo di analisi modale condotta, restituiti i risultati della stessa e valutate le informazioni desumibili in merito al comportamento della struttura.

### 2.8.2. Deformate e sollecitazioni per condizioni di carico

Vengono riportati i principali risultati atti a descrivere il comportamento della struttura, in termini di stati di sollecitazione e di deformazione generalizzata, distinti per condizione elementare di carico o per combinazioni omogenee delle stesse.

2.8.3. Involuppo delle sollecitazioni maggiormente significative. L'analisi e la restituzione degli involuppi (nelle combinazioni considerate agli SLU e agli SLE) delle caratteristiche di sollecitazione devono essere finalizzate alla valutazione dello stato di sollecitazione nei diversi elementi della struttura.

### 2.8.4. Reazioni vincolari

Vengono riportate le reazioni dei vincoli nelle singole condizioni di carico e/o nelle combinazioni considerate.

### 2.8.5. Altri risultati significativi

Nella presente parte vengono riportati tutti gli altri risultati che il progettista ritiene di interesse per la descrizione e la comprensione del/i modello/i e del comportamento della struttura.

La presente relazione, oltre ad illustrare in modo esaustivo i dati in ingresso ed i risultati delle analisi in forma tabellare, riporta una serie di immagini:

per i dati in ingresso:

- modello solido della struttura
- numerazione di nodi e ed elementi
- configurazioni di carico statiche
- configurazioni di carico sismiche con baricentri delle masse e eccentricità

per le combinazioni più significative (statisticamente più gravose per la struttura)

- configurazioni deformate
- diagrammi e involuppi delle azioni interne
- mappe delle tensioni
- reazioni vincolari
- mappe delle pressioni sul terreno

per il progetto-verifica degli elementi

- diagrammi di armatura
- percentuali di sfruttamento
- mappe delle verifiche più significative per i vari stati limite

### **Informazioni generali sull'elaborazione e giudizio motivato di accettabilità dei risultati.**

Il programma prevede una serie di controlli automatici (check) che consentono l'individuazione di errori di modellazione. Al termine dell'analisi un controllo automatico identifica la presenza di spostamenti o rotazioni anormali. Si può pertanto asserire che l'elaborazione sia corretta e completa. I risultati delle elaborazioni sono stati sottoposti a controlli che ne comprovano l'attendibilità. Tale valutazione ha compreso il confronto con i risultati di semplici calcoli, eseguiti con metodi tradizionali e adottati, anche in fase di primo proporzionamento della struttura. Inoltre, sulla base di considerazioni riguardanti gli stati tensionali e deformativi determinati, si è valutata la validità delle scelte operate in sede di schematizzazione e di modellazione della struttura e delle azioni. Si allega al termine della presente relazione elenco sintetico dei controlli svolti (verifiche di equilibrio tra reazioni vincolari e carichi applicati, comparazioni tra i risultati delle analisi e quelli di valutazioni semplificate, etc.) .

### **Verifiche agli stati limite ultimi**

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLU vengono indicate, con riferimento alla normativa adottata, le modalità ed i criteri seguiti per valutare la sicurezza della struttura nei confronti delle possibili situazioni di crisi ed i risultati delle valutazioni svolte. In via generale, oltre alle verifiche di resistenza e di spostamento, devono essere prese in considerazione verifiche nei confronti dei fenomeni di instabilità, locale e globale, di fatica, di duttilità, di degrado.

### **Verifiche agli stati limite di esercizio**

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLU vengono indicate, con riferimento alla normativa adottata, le modalità seguite per valutare l'affidabilità della struttura nei confronti delle possibili situazioni di perdita di funzionalità (per eccessive deformazioni, fessurazioni, vibrazioni, etc.) ed i risultati delle valutazioni svolte.

### **RELAZIONE SUI MATERIALI**

Il capitolo Materiali riporta informazioni esaustive relative all'elenco dei materiali impiegati e loro modalità di posa in opera e ai valori di calcolo.

# NORMATIVA DI RIFERIMENTO

1. D.Min. Infrastrutture Min. Interni e Prot. Civile 14 Gennaio 2008 e allegate "Norme tecniche per le costruzioni".
  2. D.Min. Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
  3. D.M. LL.PP. 9 Gennaio 1996 "Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche".
  4. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>".
  5. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
  6. Circolare 4/07/96, n.156AA.GG./STC. istruzioni per l'applicazione delle "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>" di cui al D.M. 16/01/96.
  7. Circolare 10/04/97, n.65AA.GG. istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. 16/01/96.
  8. D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
  9. Circolare 4 Gennaio 1989 n. 30787 "Istruzioni in merito alle norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
  10. D.M. LL.PP. 11 Marzo 1988 "Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione".
  11. D.M. LL.PP. 3 Dicembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate".
  12. UNI 9502 - Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
  13. Ordinanza del Presidente del Consiglio dei Ministri n. 3274 del 20 marzo 2003 "Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica" e successive modificazioni e integrazioni.
  14. UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
  15. UNI EN 1991-1-1:2004 01/08/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-1: Azioni in generale - Pesì per unità di volume, pesì propri e sovraccarichi per gli edifici.
  16. UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.
  17. UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.
  18. UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.
  19. UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.
  20. UNI EN 1992-1-1:2005 24/11/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
  21. UNI EN 1992-1-2:2005 01/04/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.
  22. UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici.
  23. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
  24. UNI EN 1994-1-1:2005 01/03/2005 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
  25. UNI EN 1994-2:2006 12/01/2006 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regole generali e regole per i ponti.
  26. UNI EN 1995-1-1:2005 01/02/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali - Regole comuni e regole per gli edifici.
  27. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.
  28. UNI EN 1996-1-1:2006 26/01/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 1-1: Regole generali per strutture di muratura armata e non armata.
  29. UNI EN 1996-3:2006 09/03/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 3: Metodi di calcolo semplificato per strutture di muratura non armata.
  30. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
  31. UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 1: Regole generali, azioni sismiche e regole per gli edifici.
  32. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.
- UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.

NOTA sul capitolo "normativa di riferimento": riporta l'elenco delle normative implementate nel software. Le norme utilizzate per la struttura oggetto della presente relazione sono indicate nel precedente capitolo "RELAZIONE DI CALCOLO STRUTTURALE" "ANALISI E VERIFICHE SVOLTE CON L'AUSILIO DI CODICI DI CALCOLO". Laddove nei capitoli successivi vengano richiamate norme antecedenti al DM 14.01.08 è dovuto o a progettazione simulata di edificio esistente o ad applicazione del punto 2.7 del DM 14.01.08

# CARATTERISTICHE MATERIALI UTILIZZATI

## LEGENDA TABELLA DATI MATERIALI

Il programma consente l'uso di materiali diversi. Sono previsti i seguenti tipi di materiale:

1	materiale tipo cemento armato
2	materiale tipo acciaio
3	materiale tipo muratura
4	materiale tipo legno
5	materiale tipo generico

I materiali utilizzati nella modellazione sono individuati da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni materiale vengono riportati in tabella i seguenti dati:

<i>Young</i>	modulo di elasticità normale
<i>Poisson</i>	coefficiente di contrazione trasversale
<i>G</i>	modulo di elasticità tangenziale
<i>Gamma</i>	peso specifico
<i>Alfa</i>	coefficiente di dilatazione termica

I dati soprariportati vengono utilizzati per la modellazione dello schema statico e per la determinazione dei carichi inerziali e termici. In relazione al tipo di materiale vengono riportati inoltre:

1	<b>cemento armato</b>	<b>Rck</b> <b>Fctm</b>	resistenza caratteristica cubica resistenza media a trazione semplice
2	<b>acciaio</b>	<b>Ft</b> <b>Fy</b> <b>Fd</b> <b>Fdt</b> <b>Sadm</b> <b>Sadmt</b>	tensione di rottura a trazione tensione di snervamento resistenza di calcolo resistenza di calcolo per spess. t>40 mm tensione ammissibile tensione ammissibile per spess. t>40 mm
3	<b>muratura</b>	<b>Resist. Fk</b> <b>Resist. Fvko</b>	resistenza caratteristica a compressione resistenza caratteristica a taglio
4	<b>legno</b>	<b>Resist. fc0k</b> <b>Resist. ft0k</b> <b>Resist. fmk</b> <b>Resist. fvk</b> <b>Modulo E0,05</b> <b>Lamellare</b>	Resistenza caratteristica (tensione amm. per REGLES) per compressione Resistenza caratteristica (tensione amm. per REGLES) per trazione Resistenza caratteristica (tensione amm. per REGLES) per flessione Resistenza caratteristica (tensione amm. per REGLES) per taglio Modulo elastico parallelo caratteristico lamellare o massiccio

Vengono inoltre riportate le tabelle contenenti il riassunto delle informazioni assegnate nei criteri di progetto in uso.

Con riferimento al **Documento di Affidabilità** “*Test di validazione del software di calcolo PRO\_SAP e dei moduli aggiuntivi PRO\_SAP Modulo Geotecnico, PRO\_CAD nodi acciaio e PRO\_MST*” - versione Maggio 2011, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

**Modellazione di strutture in c.a.**

Test N°	Titolo
41	GERARCHIA DELLE RESISTENZE PER TRAVI IN C.A.
42	GERARCHIA DELLE RESISTENZE PER PILASTRI IN C.A.
43	VERIFICA ALLE TA DI STRUTTURE IN C.A.
44	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
45	VERIFICA A PUNZONAMENTO ALLO SLU DI PIASTRE IN C.A.
46	VERIFICA A PUNZONAMENTO ALLO SLU DI TRAVI IN C.A.
47	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
49	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
50	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
51	FATTORE DI STRUTTURA
52	SOVRARESISTENZE
53	DETTAGLI COSTRUTTIVI C.A.: LIMITI D'ARMATURA PILASTRI E NODI TRAVE-PILASTRO
54	PARETI IN C.A. SNELLE IN ZONA SISMICA
80	ANALISI PUSHOVER DI UN EDIFICIO IN C.A.
120	PROGETTO E VERIFICA DI TRAVI PREM

**Modellazione di strutture in acciaio**

Test N°	Titolo
55	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
56	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
57	LUCE LIBERA DI COLONNE IN ACCIAIO
58	SVERGOLAMENTO DI TRAVI IN ACCIAIO
59	FATTORE DI STRUTTURA
60	ACCIAIO D.M.2008
61	ACCIAIO EC3
62	GERARCHIA RESISTENZE STRUTTURE IN ACCIAIO

<b>63</b>	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
<b>73</b>	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA IRRIGIDIMENTI TRASVERSALI
<b>74</b>	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI UN PIATTO DI RINFORZO SALDATO ALL'ANIMA DELLA COLONNA
<b>75</b>	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI DUE PIATTI DI RINFORZO SALDATI ALL'ANIMA DELLA COLONNA
<b>76</b>	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A DUE VIE SU ALI COLONNA
<b>77</b>	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A UNA VIA CON DUE COMBINAZIONI DI CARICO
<b>78</b>	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO SU ANIMA SENZA RINFORZI A QUATTRO FILE DI BULLONI DI CUI UNA SU PIASTRA INFERIORE E UNA SU PIASTRA SUPERIORE
<b>79</b>	VERIFICA DELLA PIASTRA NODO TRAVE COLONNA
<b>85</b>	TELAIO ACCIAIO: CONTROVENTI CONCENTRICI

#### Modellazione di strutture in muratura

<b>Test N°</b>	<b>Titolo</b>
<b>81</b>	ANALISI PUSHOVER DI UNA STRUTTURA IN MURATURA
<b>84</b>	ANALISI ELASTO PLASTICA INCREMENTALE, PARETE IN MURATURA
<b>86</b>	VERIFICA NON SISMICA DELLE MURATURE (D.M. 87 TA)
<b>87</b>	VERIFICA NON SISMICA DELLE MURATURE (D.M. 2005 SL)
<b>88</b>	FATTORE DI STRUTTURA

#### Modellazione di strutture in legno

<b>Test N°</b>	<b>Titolo</b>
<b>17</b>	SOLAIO: MISTO LEGNO-CALCESTRUZZO
<b>89</b>	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
<b>90</b>	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
<b>91</b>	FATTORE DI STRUTTURA
<b>92</b>	VERIFICHE EC5
<b>93</b>	SNELLEZZE EC5

<b>94</b>	VERIFICA AL FUOCO DI STRUTTURE IN LEGNO SECONDO EC5
<b>117</b>	PROGETTO E VERIFICA DI GUSCI IN MATERIALE XLAM
<b>118</b>	PROGETTO E VERIFICA DI PARETI IN MATERIALE XLAM E RELATIVI COLLEGAMENTI
<b>119</b>	PROGETTO E VERIFICA DI SOLAI IN MATERIALE XLAM

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
		daN/cm2	daN/cm2		daN/cm2	daN/cm3	
4	Calcestruzzo Classe C32/40		3.360e+05	0.20	1.400e+05	2.50e-03	1.00e-05
	Rck	400.0					
	fctm	31.0					

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
<b>Generalità</b>						
Progetto armatura	Composto con parete sismica					
<b>Armatura</b>						
Inclinazione Av [ gradi ]	90.00					
Angolo Av-Ao [ gradi ]	90.00					
Minima tesa	0.25					
Massima tesa	4.00					
Maglia unica centrale	No					
Unico strato verticale	No					
Unico strato orizzontale	No					
Copriferro [ cm ]	2.00					
<b>Maglia V</b>						
diametro	8					
passo	25					
diametro aggiuntivi	8					
<b>Maglia O</b>						
diametro	8					
passo	25					
diametro aggiuntivi	8					
<b>Stati limite ultimi</b>						
Tensione fy [daN/cm2 ]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Fattore di confidenza FC	0.0					
Verifiche con N costante	Si					
<b>Tensioni ammissibili</b>						
Tensione amm. cls [daN/cm2 ]	97.50					
Tensione amm. acciaio [daN/cm2 ]	2600.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
<b>Parete sismica</b>						
Fattore amplificazione taglio V	1.50					
Hcrit. par. 7.4.4.5.1 [ cm ]	0.0					
Hcrit. par. 7.4.6.1.4 [ cm ]	0.0					
Usa diagramma di fig. 7.4.2	Si					
Vincolo lati	nessun lato					
Verifica come fascia	No					
Diametro di estremità	0					
<b>Zona confinata</b>						
Minima tesa	1.00					
Massima tesa	4.00					
Distanza barre [ cm ]	2.00					
Interferro	2					
<b>Armatura inclinata</b>						
Area barre [ cm2 ]	0.0					
Angolo orizzontale [ gradi ]	0.0					
Distanza di base [ cm ]	0.0					
<b>Resistenza al fuoco</b>						
3- intradosso	No					

<b>Pareti c.a.</b>	<b>1/7/..</b>	<b>2/8/..</b>	<b>3/9/..</b>	<b>4/10/..</b>	<b>5/11/..</b>	<b>6/12/..</b>
3+ estradosso	No					
Tempo di esposizione R	15					

<b>Gusci c.a.</b>	<b>1/7/..</b>	<b>2/8/..</b>	<b>3/9/..</b>	<b>4/10/..</b>	<b>5/11/..</b>	<b>6/12/..</b>
<b>Armatura</b>						
Inclinazione Ax [ gradi ]	0.0					
Angolo Ax-Ay [ gradi ]	90.00					
Minima tesa	0.31					
Massima tesa	0.78					
Maglia unica centrale	Si					
Copriferro [ cm ]	2.00					
<b>Maglia x</b>						
diametro	16					
passo	6					
diametro aggiuntivi	16					
<b>Maglia y</b>						
diametro	16					
passo	6					
diametro aggiuntivi	16					
<b>Stati limite ultimi</b>						
Tensione fy [daN/cm2 ]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Fattore di confidenza FC	0.0					
Verifiche con N costante	Si					
Applica SLU da DIN	No					
<b>Tensioni ammissibili</b>						
Tensione amm. cls [daN/cm2 ]	97.50					
Tensione amm. acciaio [daN/cm2 ]	2600.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
<b>Resistenza al fuoco</b>						
3- intradosso	No					
3+ estradosso	No					
Tempo di esposizione R	15					

<b>Travi c.a.</b>	<b>1/7/..</b>	<b>2/8/..</b>	<b>3/9/..</b>	<b>4/10/..</b>	<b>5/11/..</b>	<b>6/12/..</b>
<b>Generalità</b>						
Progetta a filo	No					
Af inf: da q*L*L /	0.0					
<b>Armatura</b>						
Minima tesa	0.31					
Minima compressa	0.31					
Massima tesa	0.78					
Da sezione	Si					
Usa armatura teorica	No					
<b>Stati limite ultimi</b>						
Tensione fy [daN/cm2 ]	4500.00					
Tensione fy staffe [daN/cm2 ]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Fattore di confidenza FC	0.0					
Verifiche con N costante	Si					
Fattore di ridistribuzione	0.0					
<b>Modello per il confinamento</b>						
Relazione tensio-deformativa	Mander					
Incrudimento acciaio	5.000e-03					
Fattore lambda	1.00					
epsilon max,s	4.000e-02					
epsilon cu2	4.500e-03					
epsilon c2	0.0					
epsilon cy	0.0					
<b>Tensioni ammissibili</b>						
Tensione amm. cls [daN/cm2 ]	97.50					

<b>Travi c.a.</b>	<b>1/7/..</b>	<b>2/8/..</b>	<b>3/9/..</b>	<b>4/10/..</b>	<b>5/11/..</b>	<b>6/12/..</b>
Tensione amm. acciaio [daN/cm2 ]	2600.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
<b>Staffe</b>						
Diametro staffe	0.0					
Passo minimo [ cm ]	4.00					
Passo massimo [ cm ]	30.00					
Passo raffittito [ cm ]	15.00					
Lunghezza zona raffittita [ cm ]	50.00					
Ctg(Teta) Max	2.50					
Percentuale sagomati	0.0					
Luca di taglio per GR [ cm ]	1.00					
Adotta scorrimento medio	No					
Torsione non essenziale inclusa	Si					

<b>Pilastrì c.a.</b>	<b>1/7/..</b>	<b>2/8/..</b>	<b>3/9/..</b>	<b>4/10/..</b>	<b>5/11/..</b>	<b>6/12/..</b>
<b>Generalità</b>						
Progetto armatura	Privilegia lati					
Progetta a filo	No					
Effetti del 2 ordine	Si					
Beta per 2-2	1.00					
Beta per 3-3	1.00					
<b>Armatura</b>						
Massima tesa	4.00					
Minima tesa	1.00					
<b>Stati limite ultimi</b>						
Tensione fy [daN/cm2 ]	4500.00					
Tensione fy staffe [daN/cm2 ]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Fattore di confidenza FC	0.0					
Verifiche con N costante	Si					
<b>Modello per il confinamento</b>						
Relazione tensio-deformativa	Mander					
Incrudimento acciaio	5.000e-03					
Fattore lambda	1.00					
epsilon max,s	4.000e-02					
epsilon cu2	4.500e-03					
epsilon c2	0.0					
epsilon cy	0.0					
<b>Tensioni ammissibili</b>						
Tensione amm. cls [daN/cm2 ]	97.50					
Tensione amm. acciaio [daN/cm2 ]	2600.00					
Rapporto omogeneizzazione N	15.00					
<b>Staffe</b>						
Diametro staffe	0.0					
Passo minimo [ cm ]	5.00					
Passo massimo [ cm ]	25.00					
Passo raffittito [ cm ]	15.00					
Lunghezza zona raffittita [ cm ]	45.00					
Ctg(Teta) Max	2.50					
Luca di taglio per GR [ cm ]	1.00					
Massimizza gerarchia	Si					

# MODELLAZIONE DELLE SEZIONI

## LEGENDA TABELLA DATI SEZIONI

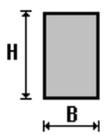
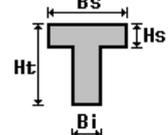
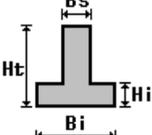
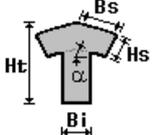
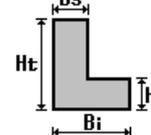
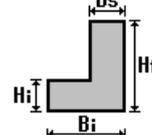
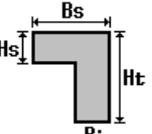
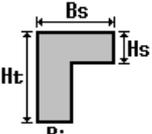
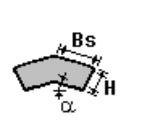
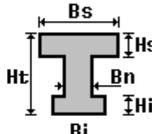
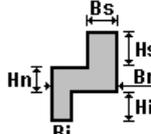
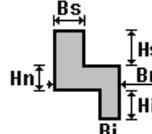
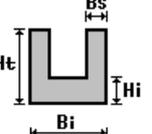
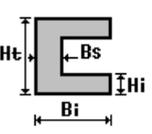
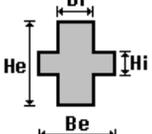
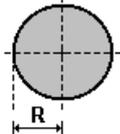
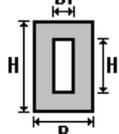
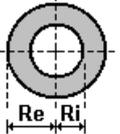
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

- 1 sezione di tipo generico
- 2 profilati semplici
- 3 profilati accoppiati e speciali

Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

<b>Area</b>	area della sezione
<b>A V2</b>	area della sezione/fattore di taglio (per il taglio in direzione 2)
<b>A V3</b>	area della sezione/fattore di taglio (per il taglio in direzione 3)
<b>Jt</b>	fattore torsionale di rigidezza
<b>J2-2</b>	momento d'inerzia della sezione riferito all'asse 2
<b>J3-3</b>	momento d'inerzia della sezione riferito all'asse 3
<b>W2-2</b>	modulo di resistenza della sezione riferito all'asse 2
<b>W3-3</b>	modulo di resistenza della sezione riferito all'asse 3
<b>Wp2-2</b>	modulo di resistenza plastico della sezione riferito all'asse 2
<b>Wp3-3</b>	modulo di resistenza plastico della sezione riferito all'asse 3

I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali delle sezioni è condotta nel riferimento 2-3 dell'elemento.

 rettangolare	 a T	 a T rovescia	 a T di colmo	 a L	 a L specchiata
 a L specchiata rovescia	 a L rovescia	 a L di colmo	 a doppio T	 a quattro specchiata	 a quattro
 a U	 a C	 a croce	 circolare	 rettangolare cava	 circolare cava

Per quanto concerne i profilati semplici ed accoppiati l'asse 2 del riferimento coincide con l'asse x riportato nei più diffusi profilati.

Per quanto concerne le sezioni di tipo generico (tipo 1.):  
 i valori dimensionali con prefisso B sono riferiti all'asse 2  
 i valori dimensionali con prefisso H sono riferiti all'asse 3

Con riferimento al **Documento di Affidabilità** "Test di validazione del software di calcolo PRO\_SAP e dei moduli aggiuntivi PRO\_SAP Modulo Geotecnico, PRO\_CAD nodi acciaio e PRO\_MST" - versione Settembre 2014, disponibile per il download sul sito [www.2si.it](http://www.2si.it), si segnalano i seguenti esempi applicativi:

Test N°	Titolo
1	CARATTERISTICHE GEOMETRICHE E INERZIALI
45	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
49	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
50	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
51	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
104	ANALISI DI RESISTENZA AL FUOCO

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3

# MODELLAZIONE STRUTTURA: NODI

## LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).

Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

<b>Nodo</b>	numero del nodo.
<b>X</b>	valore della coordinata X
<b>Y</b>	valore della coordinata Y
<b>Z</b>	valore della coordinata Z

Per i nodi ai quali sia associato un codice di vincolamento rigido, un codice di fondazione speciale o un set di molle viene indicato in tabella:

<b>Nodo</b>	numero del nodo.
<b>X</b>	valore della coordinata X
<b>Y</b>	valore della coordinata Y
<b>Z</b>	valore della coordinata Z
<b>Note</b>	eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito, il valore 0 indica che lo spostamento o rotazione relativo è libero).
<b>Note</b>	(FS = 1, 2,...) eventuale codice del tipo di fondazione speciale (1, 2,... fanno riferimento alle tipologie: plinto, palo, plinto su pali,...) che è collegato al nodo. (ISO = "id SIGLA") indice e sigla identificativa dell' eventuale isolatore sismico assegnato al nodo
<b>Rig. TX</b>	valore della rigidezza dei vincoli elastici eventualmente applicati al nodo, nello specifico TX (idem per TY, TZ, RX, RY, RZ).

Per strutture sismicamente isolate viene inoltre inserita la tabella delle caratteristiche per gli isolatori utilizzati; le caratteristiche sono indicate in conformità al cap. 7.10 del D.M. 14/01/08

## TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
2	25.0	-49.5	4.5	3	25.0	-70.0	-45.0	5	25.0	-49.5	-94.5
7	25.0	0.0	-115.0	9	25.0	49.5	-94.5	11	25.0	70.0	-45.0
13	25.0	49.5	4.5	15	25.0	0.0	25.0	17	50.0	-49.5	4.5
18	50.0	-70.0	-45.0	19	50.0	-49.5	-94.5	20	50.0	0.0	-115.0
21	50.0	49.5	-94.5	22	50.0	70.0	-45.0	23	50.0	49.5	4.5
24	50.0	0.0	25.0	25	75.0	-49.5	4.5	26	75.0	-70.0	-45.0
27	75.0	-49.5	-94.5	28	75.0	0.0	-115.0	29	75.0	49.5	-94.5
30	75.0	70.0	-45.0	31	75.0	49.5	4.5	32	75.0	0.0	25.0
33	100.0	-49.5	4.5	34	100.0	-70.0	-45.0	35	100.0	-49.5	-94.5
36	100.0	0.0	-115.0	37	100.0	49.5	-94.5	38	100.0	70.0	-45.0
39	100.0	49.5	4.5	40	100.0	0.0	25.0	41	125.0	-49.5	4.5
42	125.0	-70.0	-45.0	43	125.0	-49.5	-94.5	44	125.0	0.0	-115.0
45	125.0	49.5	-94.5	46	125.0	70.0	-45.0	47	125.0	49.5	4.5
48	125.0	0.0	25.0	49	150.0	-49.5	4.5	50	150.0	-70.0	-45.0
51	150.0	-49.5	-94.5	52	150.0	0.0	-115.0	53	150.0	49.5	-94.5
54	150.0	70.0	-45.0	55	150.0	49.5	4.5	56	150.0	0.0	25.0
57	175.0	-49.5	4.5	58	175.0	-70.0	-45.0	59	175.0	-49.5	-94.5
60	175.0	0.0	-115.0	61	175.0	49.5	-94.5	62	175.0	70.0	-45.0
63	175.0	49.5	4.5	64	175.0	0.0	25.0				

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig. RZ
	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN cm/rad
1	0.0	-49.5	4.5	v=111111						
4	0.0	-70.0	-45.0	v=111111						
6	0.0	-49.5	-94.5	v=111111						
8	0.0	0.0	-115.0	v=111111						
10	0.0	49.5	-94.5	v=111111						
12	0.0	70.0	-45.0	v=111111						
14	0.0	49.5	4.5	v=111111						
16	0.0	0.0	25.0	v=111111						
65	200.0	-49.5	4.5	v=111111						
66	200.0	-70.0	-45.0	v=111111						
67	200.0	-49.5	-94.5	v=111111						
68	200.0	0.0	-115.0	v=111111						
69	200.0	49.5	-94.5	v=111111						
70	200.0	70.0	-45.0	v=111111						
71	200.0	49.5	4.5	v=111111						
72	200.0	0.0	25.0	v=111111						

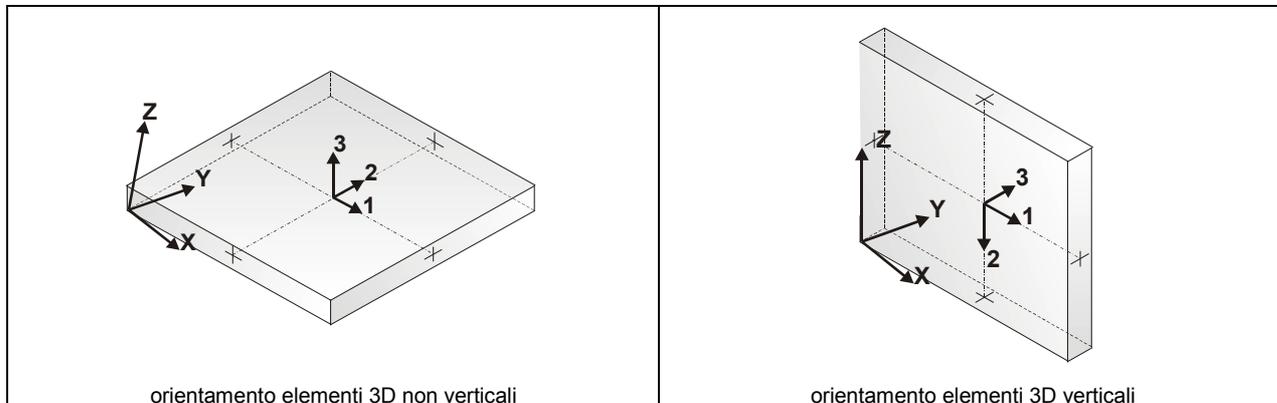
# MODELLAZIONE STRUTTURALE: ELEMENTI SHELL

## LEGENDA TABELLA DATI SHELL

Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.

Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi).

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



In particolare per ogni elemento viene indicato in tabella:

<b>Elem.</b>	numero dell'elemento
<b>Note</b>	codice di comportamento: <i>Guscio</i> (elemento guscio in elevazione non verticale) <i>Guscio fond.</i> (elemento guscio su suolo elastico) <i>Setto</i> (elemento guscio in elevazione verticale) <i>Membrana</i> (elemento guscio con comportamento membranale)
<b>Nodo I (J, K, L)</b>	numero del nodo I (J, K, L)
<b>Mat.</b>	codice del materiale assegnato all'elemento
<b>Spessore</b>	spessore dell'elemento (costante)
<b>Wink V</b>	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico verticale
<b>Wink O</b>	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Con riferimento al **Documento di Affidabilità** "Test di validazione del software di calcolo PRO\_SAP e dei moduli aggiuntivi PRO\_SAP Modulo Geotecnico, PRO\_CAD nodi acciaio e PRO\_MST" - versione Maggio 2011, disponibile per il download sul sito [www.2si.it](http://www.2si.it), si segnalano i seguenti esempi applicativi:

Test N°	Titolo
8	MENSOLE CON ELEMENTI PLATE E MATERIALE ORTOTROPO
10	PIASTRA CON ELEMENTI PLATE E MATERIALE ORTOTROPO
21	DRILLING
25	TENSIONI DI ELEMENTI PLATE
31	REALIZZAZIONE DI MESH PIANA SU GEOMETRIA CON PUNTI FISSI IMPORTATA DA FILE .DXF
32	REALIZZAZIONE DI MESH PIANA SU GEOMETRIA CON SEGMENTI E FORI INTERNI IMPORTATA DA FILE .DXF
33	REALIZZAZIONE DI MESH PIANE SU GEOMETRIE COSTRUITE IN PRO_SAP
34	ANALISI DI BUCKLING DI PIASTRA ISOTROPA
35	ANALISI DI BUCKLING DI UN CILINDRO COMPRESSO INCASTRATO ALLA BASE
36	ANALISI DI PARETI FORATE
37	BIMETALLIC STRIP (NAFEMS EXERCISE 6)
38	ANALISI ELASTICA DI PIASTRA CON INTAGLIO CIRCOLARE (FLAT BAR WITH EDGE NOTCHES-NAFEMS EXERCISE 9)
39	PLATEA NERVATA
45	VERIFICA A PUNZONAMENTO ALLO SLU DI PIASTRE IN C.A.
117	PROGETTO E VERIFICA DI GUSCI IN MATERIALE XLAM
118	PROGETTO E VERIFICA DI PARETI IN MATERIALE XLAM E RELATIVI COLLEGAMENTI

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore cm	Wink V daN/cm3	Wink O daN/cm3
1	Guscio fond.	4	3	2	1	4	1.6	1.00	1.00
2	Guscio fond.	4	3	5	6	4	1.6	1.00	1.00
3	Guscio fond.	6	5	7	8	4	1.6	1.00	1.00
4	Guscio fond.	8	7	9	10	4	1.6	1.00	1.00
5	Guscio fond.	10	9	11	12	4	1.6	1.00	1.00
6	Guscio fond.	14	13	11	12	4	1.6	1.00	1.00
7	Guscio fond.	16	15	13	14	4	1.6	1.00	1.00
8	Guscio fond.	1	2	15	16	4	1.6	1.00	1.00
9	Guscio fond.	3	18	17	2	4	1.6	1.00	1.00
10	Guscio fond.	3	18	19	5	4	1.6	1.00	1.00
11	Guscio fond.	5	19	20	7	4	1.6	1.00	1.00
12	Guscio fond.	7	20	21	9	4	1.6	1.00	1.00
13	Guscio fond.	9	21	22	11	4	1.6	1.00	1.00
14	Guscio fond.	13	23	22	11	4	1.6	1.00	1.00
15	Guscio fond.	15	24	23	13	4	1.6	1.00	1.00

16	Guscio fond.	2	17	24	15	4	1.6	1.00	1.00
17	Guscio fond.	18	26	25	17	4	1.6	1.00	1.00
18	Guscio fond.	18	26	27	19	4	1.6	1.00	1.00
19	Guscio fond.	19	27	28	20	4	1.6	1.00	1.00
20	Guscio fond.	20	28	29	21	4	1.6	1.00	1.00
21	Guscio fond.	21	29	30	22	4	1.6	1.00	1.00
22	Guscio fond.	23	31	30	22	4	1.6	1.00	1.00
23	Guscio fond.	24	32	31	23	4	1.6	1.00	1.00
24	Guscio fond.	17	25	32	24	4	1.6	1.00	1.00
25	Guscio fond.	26	34	33	25	4	1.6	1.00	1.00
26	Guscio fond.	26	34	35	27	4	1.6	1.00	1.00
27	Guscio fond.	27	35	36	28	4	1.6	1.00	1.00
28	Guscio fond.	28	36	37	29	4	1.6	1.00	1.00
29	Guscio fond.	29	37	38	30	4	1.6	1.00	1.00
30	Guscio fond.	31	39	38	30	4	1.6	1.00	1.00
31	Guscio fond.	32	40	39	31	4	1.6	1.00	1.00
32	Guscio fond.	25	33	40	32	4	1.6	1.00	1.00
33	Guscio fond.	34	42	41	33	4	1.6	1.00	1.00
34	Guscio fond.	34	42	43	35	4	1.6	1.00	1.00
35	Guscio fond.	35	43	44	36	4	1.6	1.00	1.00
36	Guscio fond.	36	44	45	37	4	1.6	1.00	1.00
37	Guscio fond.	37	45	46	38	4	1.6	1.00	1.00
38	Guscio fond.	39	47	46	38	4	1.6	1.00	1.00
39	Guscio fond.	40	48	47	39	4	1.6	1.00	1.00
40	Guscio fond.	33	41	48	40	4	1.6	1.00	1.00
41	Guscio fond.	42	50	49	41	4	1.6	1.00	1.00
42	Guscio fond.	42	50	51	43	4	1.6	1.00	1.00
43	Guscio fond.	43	51	52	44	4	1.6	1.00	1.00
44	Guscio fond.	44	52	53	45	4	1.6	1.00	1.00
45	Guscio fond.	45	53	54	46	4	1.6	1.00	1.00
46	Guscio fond.	47	55	54	46	4	1.6	1.00	1.00
47	Guscio fond.	48	56	55	47	4	1.6	1.00	1.00
48	Guscio fond.	41	49	56	48	4	1.6	1.00	1.00
49	Guscio fond.	50	58	57	49	4	1.6	1.00	1.00
50	Guscio fond.	50	58	59	51	4	1.6	1.00	1.00
51	Guscio fond.	51	59	60	52	4	1.6	1.00	1.00
52	Guscio fond.	52	60	61	53	4	1.6	1.00	1.00
53	Guscio fond.	53	61	62	54	4	1.6	1.00	1.00
54	Guscio fond.	55	63	62	54	4	1.6	1.00	1.00
55	Guscio fond.	56	64	63	55	4	1.6	1.00	1.00
56	Guscio fond.	49	57	64	56	4	1.6	1.00	1.00
57	Guscio fond.	58	66	65	57	4	1.6	1.00	1.00
58	Guscio fond.	58	66	67	59	4	1.6	1.00	1.00
59	Guscio fond.	59	67	68	60	4	1.6	1.00	1.00
60	Guscio fond.	60	68	69	61	4	1.6	1.00	1.00
61	Guscio fond.	61	69	70	62	4	1.6	1.00	1.00
62	Guscio fond.	63	71	70	62	4	1.6	1.00	1.00
63	Guscio fond.	64	72	71	63	4	1.6	1.00	1.00
64	Guscio fond.	57	65	72	64	4	1.6	1.00	1.00

# MODELLAZIONE DELLE AZIONI

## LEGENDA TABELLA DATI AZIONI

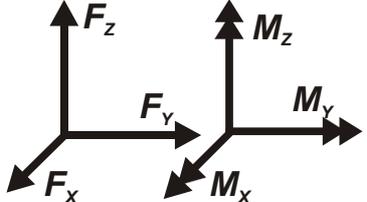
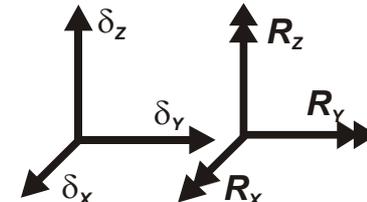
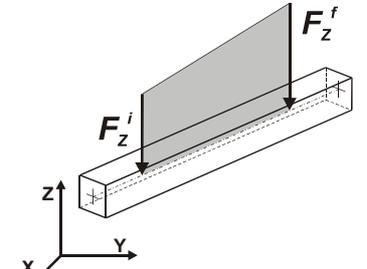
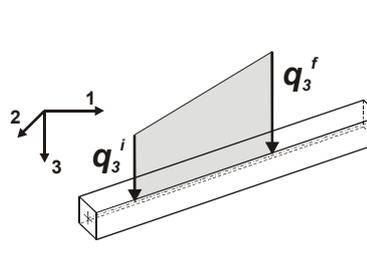
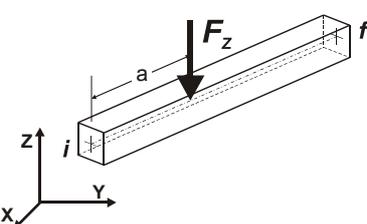
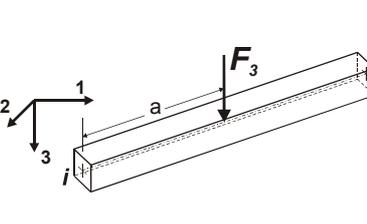
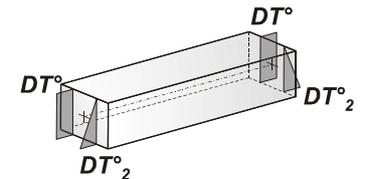
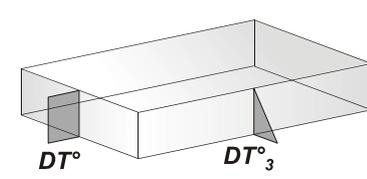
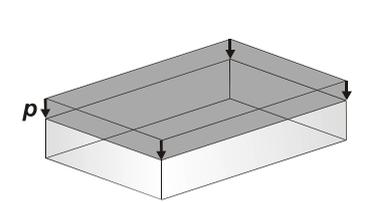
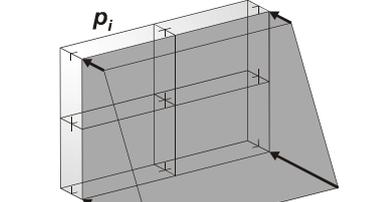
Il programma consente l'uso di diverse tipologie di carico (azioni). Le azioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni azione applicata alla struttura viene di riportato il codice, il tipo e la sigla identificativa. Le tabelle successive dettagliano i valori caratteristici di ogni azione in relazione al tipo. Le tabelle riportano infatti i seguenti dati in relazione al tipo:

<b>1</b>	<b>carico concentrato nodale</b> 6 dati (forza $F_x$ , $F_y$ , $F_z$ , momento $M_x$ , $M_y$ , $M_z$ )
<b>2</b>	<b>spostamento nodale impresso</b> 6 dati (spostamento $T_x$ , $T_y$ , $T_z$ , rotazione $R_x$ , $R_y$ , $R_z$ )
<b>3</b>	<b>carico distribuito globale su elemento tipo trave</b> 7 dati ( $f_x$ , $f_y$ , $f_z$ , $m_x$ , $m_y$ , $m_z$ , ascissa di inizio carico) 7 dati ( $f_x$ , $f_y$ , $f_z$ , $m_x$ , $m_y$ , $m_z$ , ascissa di fine carico)
<b>4</b>	<b>carico distribuito locale su elemento tipo trave</b> 7 dati ( $f_1$ , $f_2$ , $f_3$ , $m_1$ , $m_2$ , $m_3$ , ascissa di inizio carico) 7 dati ( $f_1$ , $f_2$ , $f_3$ , $m_1$ , $m_2$ , $m_3$ , ascissa di fine carico)
<b>5</b>	<b>carico concentrato globale su elemento tipo trave</b> 7 dati ( $F_x$ , $F_y$ , $F_z$ , $M_x$ , $M_y$ , $M_z$ , ascissa di carico)
<b>6</b>	<b>carico concentrato locale su elemento tipo trave</b> 7 dati ( $F_1$ , $F_2$ , $F_3$ , $M_1$ , $M_2$ , $M_3$ , ascissa di carico)
<b>7</b>	<b>variazione termica applicata ad elemento tipo trave</b> 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
<b>8</b>	<b>carico di pressione uniforme su elemento tipo piastra</b> 1 dato (pressione)
<b>9</b>	<b>carico di pressione variabile su elemento tipo piastra</b> 4 dati (pressione, quota, pressione, quota)
<b>10</b>	<b>variazione termica applicata ad elemento tipo piastra</b> 2 dati (variazioni termiche: media e differenza nello spessore)
<b>11</b>	<b>carico variabile generale su elementi tipo trave e piastra</b> 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore)

la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave

**12 gruppo di carichi con impronta su piastra**

9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell'impronta, interasse tra i carichi)

 <p>Carico concentrato nodale</p>	 <p>Spostamento impresso</p>
 <p>Carico distribuito globale</p>	 <p>Carico distribuito locale</p>
 <p>Carico concentrato globale</p>	 <p>Carico concentrato locale</p>
 <p>Carico termico 2D</p>	 <p>Carico termico 3D</p>
 <p>Carico pressione uniforme</p>	 <p>Carico pressione variabile</p>

**Tipo carico di pressione uniforme su piastra**

Id	Tipo	pressione daN/cm <sup>2</sup>
9	P3:p=-3.000e-02	-0.03
10	P3:p=-7.000e-02	-0.07
12	P3:p=1.68	1.68

**Tipo carico di pressione variabile su piastra**

Id	Tipo	pressione daN/cm <sup>2</sup>	quota cm	pressione daN/cm <sup>2</sup>	quota cm
11	PL3:pi=0.0 qi=0.0 pf=-1.20 qf=140.00	0.0	0.0	-1.20	140.00

# SCHEMATIZZAZIONE DEI CASI DI CARICO

## LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.

Sono previsti i seguenti 11 tipi di casi di carico:

	<b>Sigla</b>	<b>Tipo</b>	<b>Descrizione</b>
<b>1</b>	<b>Ggk</b>	A	caso di carico comprensivo del peso proprio struttura
<b>2</b>	<b>Gk</b>	NA	caso di carico con azioni permanenti
<b>3</b>	<b>Qk</b>	NA	caso di carico con azioni variabili
<b>4</b>	<b>Gsk</b>	A	caso di carico comprensivo dei carichi permanenti sui solai e sulle coperture
<b>5</b>	<b>Qsk</b>	A	caso di carico comprensivo dei carichi variabili sui solai
<b>6</b>	<b>Qnk</b>	A	caso di carico comprensivo dei carichi di neve sulle coperture
<b>7</b>	<b>Qtk</b>	SA	caso di carico comprensivo di una variazione termica agente sulla struttura
<b>8</b>	<b>Qvk</b>	NA	caso di carico comprensivo di azioni da vento sulla struttura
<b>9</b>	<b>Esk</b>	SA	caso di carico sismico con analisi statica equivalente
<b>10</b>	<b>Edk</b>	SA	caso di carico sismico con analisi dinamica
<b>11</b>	<b>Etk</b>	NA	caso di carico comprensivo di azioni derivanti dall' incremento di spinta delle terre in condizione sismica
<b>12</b>	<b>Pk</b>	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

Sono di tipo automatico A (ossia non prevedono introduzione dati da parte dell'utente) i seguenti casi di carico: 1-Ggk; 4-Gsk; 5-Qsk; 6-Qnk.

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:

7-Qtk, in quanto richiede solo il valore della variazione termica;

9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

Sono di tipo non automatico NA ossia prevedono la diretta applicazione di carichi generici agli elementi strutturali (si veda il precedente punto Modellazione delle Azioni) i restanti casi di carico.

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso: *Numero Tipo e Sigla identificativa, Valore di riferimento* del caso di carico (se previsto).

In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.

Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

<b>CDC</b>	<b>Tipo</b>	<b>Sigla Id</b>	<b>Note</b>
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 10 CDC=G1k (pavimentazione stradale).
			partecipazione:0.80 per 11 CDC=Qk (traffico veicolare)
			partecipazione:1.00 per 12 CDC=G1k (spinta terreno)
			partecipazione:1.00 per 13 CDC=G1k (pressione dell'acqua)
3	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
4	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
5	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
6	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
7	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico
10	Gk	CDC=G1k (pavimentazione stradale).	D3 :da 1 a 64 Azione : P3:p=-3.000e-02
11	Qk	CDC=Qk (traffico veicolare)	D3 :da 1 a 64 Azione : P3:p=-7.000e-02
12	Gk	CDC=G1k (spinta terreno)	D3 :da 1 a 64 Azione : PL3:pi=0.0 qi=0.0 pf=-1.20 qf=140.00
13	Gk	CDC=G1k (pressione dell'acqua)	D3 :da 1 a 64 Azione : P3:p=1.68

# DEFINIZIONE DELLE COMBINAZIONI

## LEGENDA TABELLA COMBINAZIONI DI CARICO

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente. Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.

La prima tabella delle combinazioni riportata di seguito comprende le seguenti informazioni: *Numero, Tipo, Sigla identificativa*. Una seconda tabella riporta il *peso nella combinazione* assunto per ogni caso di carico.

Ai fini delle verifiche degli stati limite si definiscono le seguenti combinazioni delle azioni:

### Combinazione fondamentale SLU

$$\gamma G_1 \cdot G_1 + \gamma G_2 \cdot G_2 + \gamma P \cdot P + \gamma Q_1 \cdot Q_{k1} + \gamma Q_2 \cdot \psi_{02} \cdot Q_{k2} + \gamma Q_3 \cdot \psi_{03} \cdot Q_{k3} + \dots$$

### Combinazione caratteristica (rara) SLE

$$G_1 + G_2 + P + Q_{k1} + \psi_{02} \cdot Q_{k2} + \psi_{03} \cdot Q_{k3} + \dots$$

### Combinazione frequente SLE

$$G_1 + G_2 + P + \psi_{11} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

### Combinazione quasi permanente SLE

$$G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

**Combinazione sismica**, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E

$$E + G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

**Combinazione eccezionale**, impiegata per gli stati limite connessi alle azioni eccezionali

$$G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

Dove:

NTC 2008 Tabella 2.5.1

Destinazione d'uso/azione	$\psi_0$	$\psi_1$	$\psi_2$
Categoria A residenziali	0,70	0,50	0,30
Categoria B uffici	0,70	0,50	0,30
Categoria C ambienti suscettibili di affollamento	0,70	0,70	0,60
Categoria D ambienti ad uso commerciale	0,70	0,70	0,60
Categoria E biblioteche, archivi, magazzini,...	1,00	0,90	0,80
Categoria F Rimesse e parcheggi (autoveicoli $\leq 30\text{kN}$ )	0,70	0,70	0,60
Categoria G Rimesse e parcheggi (autoveicoli $> 30\text{kN}$ )	0,70	0,50	0,30
Categoria H Coperture	0,00	0,00	0,00
Vento	0,60	0,20	0,00
Neve a quota $\leq 1000\text{ m}$	0,50	0,20	0,00
Neve a quota $> 1000\text{ m}$	0,70	0,50	0,20
Variazioni Termiche	0,60	0,50	0,00

Nelle verifiche possono essere adottati in alternativa due diversi approcci progettuali:

- per l'approccio 1 si considerano due diverse combinazioni di gruppi di coefficienti di sicurezza parziali per le azioni, per i materiali e per la resistenza globale (combinazione 1 con coefficienti A1 e combinazione 2 con coefficienti A2),

- per l'approccio 2 si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2008 Tabella 2.6.I

		Coefficiente $\gamma_f$	<b>EQU</b>	<b>A1</b>	<b>A2</b>
Carichi permanenti	Favorevoli	$\gamma_{G1}$	0,9	1,0	1,0
	Sfavorevoli		1,1	1,3	1,0
Carichi permanenti non strutturali (Non compiutamente definiti)	Favorevoli	$\gamma_{G2}$	0,0	0,0	0,0
	Sfavorevoli		1,5	1,5	1,3
Carichi variabili	Favorevoli	$\gamma_{Qi}$	0,0	0,0	0,0
	Sfavorevoli		1,5	1,5	1,3

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLE(r)	Comb. SLE(rara) 5	
6	SLE(r)	Comb. SLE(rara) 6	
7	SLU	Comb. SLU A1 (SLV sism.) 7	
8	SLU	Comb. SLU A1 (SLV sism.) 8	
9	SLU	Comb. SLU A1 (SLV sism.) 9	
10	SLU	Comb. SLU A1 (SLV sism.) 10	
11	SLU	Comb. SLU A1 (SLV sism.) 11	
12	SLU	Comb. SLU A1 (SLV sism.) 12	
13	SLU	Comb. SLU A1 (SLV sism.) 13	
14	SLU	Comb. SLU A1 (SLV sism.) 14	
15	SLU	Comb. SLU A1 (SLV sism.) 15	
16	SLU	Comb. SLU A1 (SLV sism.) 16	
17	SLU	Comb. SLU A1 (SLV sism.) 17	
18	SLU	Comb. SLU A1 (SLV sism.) 18	
19	SLU	Comb. SLU A1 (SLV sism.) 19	
20	SLU	Comb. SLU A1 (SLV sism.) 20	
21	SLU	Comb. SLU A1 (SLV sism.) 21	
22	SLU	Comb. SLU A1 (SLV sism.) 22	
23	SLU	Comb. SLU A1 (SLV sism.) 23	
24	SLU	Comb. SLU A1 (SLV sism.) 24	
25	SLU	Comb. SLU A1 (SLV sism.) 25	
26	SLU	Comb. SLU A1 (SLV sism.) 26	
27	SLU	Comb. SLU A1 (SLV sism.) 27	
28	SLU	Comb. SLU A1 (SLV sism.) 28	
29	SLU	Comb. SLU A1 (SLV sism.) 29	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLU	Comb. SLU A1 (SLV sism.) 35	
36	SLU	Comb. SLU A1 (SLV sism.) 36	
37	SLU	Comb. SLU A1 (SLV sism.) 37	
38	SLU	Comb. SLU A1 (SLV sism.) 38	
39	SLD(sis)	Comb. SLE (SLD Danno sism.) 39	
40	SLD(sis)	Comb. SLE (SLD Danno sism.) 40	
41	SLD(sis)	Comb. SLE (SLD Danno sism.) 41	
42	SLD(sis)	Comb. SLE (SLD Danno sism.) 42	
43	SLD(sis)	Comb. SLE (SLD Danno sism.) 43	
44	SLD(sis)	Comb. SLE (SLD Danno sism.) 44	
45	SLD(sis)	Comb. SLE (SLD Danno sism.) 45	
46	SLD(sis)	Comb. SLE (SLD Danno sism.) 46	
47	SLD(sis)	Comb. SLE (SLD Danno sism.) 47	
48	SLD(sis)	Comb. SLE (SLD Danno sism.) 48	
49	SLD(sis)	Comb. SLE (SLD Danno sism.) 49	
50	SLD(sis)	Comb. SLE (SLD Danno sism.) 50	
51	SLD(sis)	Comb. SLE (SLD Danno sism.) 51	
52	SLD(sis)	Comb. SLE (SLD Danno sism.) 52	
53	SLD(sis)	Comb. SLE (SLD Danno sism.) 53	
54	SLD(sis)	Comb. SLE (SLD Danno sism.) 54	
55	SLD(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLD(sis)	Comb. SLE (SLD Danno sism.) 56	
57	SLD(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLD(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLD(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLD(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLD(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLD(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLD(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLD(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLD(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLD(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLD(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLD(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLD(sis)	Comb. SLE (SLD Danno sism.) 69	
70	SLD(sis)	Comb. SLE (SLD Danno sism.) 70	
71	SLE(f)	Comb. SLE(freq.) 71	
72	SLE(f)	Comb. SLE(freq.) 72	

Cmb	Tipo	Sigla Id	effetto P-delta
73	SLU(acc.)	Comb. SLU (Accid.) 73	
74	SLU(acc.)	Comb. SLU (Accid.) 74	
75	SLE(p)	Comb. SLE(perm.) 75	
76	SLE(p)	Comb. SLE(perm.) 76	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	1.00	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	
8	1.00	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	
9	1.00	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	
10	1.00	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	
11	1.00	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	
12	1.00	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	
13	1.00	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	
14	1.00	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	
15	1.00	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	
16	1.00	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	
17	1.00	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	
18	1.00	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	
19	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	
20	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	
21	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	
22	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	
23	1.00	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	
24	1.00	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	
25	1.00	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	
26	1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	
27	1.00	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	
28	1.00	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	
29	1.00	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	
30	1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	
31	1.00	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	
32	1.00	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	
33	1.00	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	
34	1.00	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	
35	1.00	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	
36	1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	
37	1.00	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	
38	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	
39	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	
40	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	
41	1.00	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	
42	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	
43	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	
44	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	
45	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	
46	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	
47	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	
48	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	
49	1.00	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	
50	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	
51	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	
52	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	
53	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	
54	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	
55	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	
56	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	
57	1.00	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	
58	1.00	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	
59	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	
60	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	
61	1.00	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	
62	1.00	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	
63	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	



# AZIONE SISMICA

## VALUTAZIONE DELL' AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.

Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito <http://esse1.mi.ingv.it/>. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).

L' azione sismica viene definita in relazione ad un periodo di riferimento  $V_r$  che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento  $V_r$  e la probabilità di superamento  $P_{ver}$  associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno  $T_r$  e i relativi parametri di pericolosità sismica (vedi tabella successiva):

ag: accelerazione orizzontale massima del terreno;  
 Fo: valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;  
 T\*c: periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

Parametri della struttura					
Classe d'uso	Vita $V_n$ [anni]	Coeff. Uso	Periodo $V_r$ [anni]	Tipo di suolo	Categoria topografica
II	50.0	1.0	50.0	D	T1

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:

S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente  $S = S_s * S_t$  (3.2.5)

Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale

Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale

Tb è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.

Tc è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.

Td è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	14.426	40.923	
32981	14.416	40.881	4.730
32982	14.482	40.881	6.609
32760	14.483	40.931	4.855
32759	14.417	40.931	1.164

SL	P <sub>ver</sub>	T <sub>r</sub>	ag	F <sub>o</sub>	T*c
		Anni	g		sec
SLO	81.0	30.0	0.049	2.320	0.290
SLD	63.0	50.0	0.064	2.330	0.310
SLV	10.0	475.0	0.174	2.380	0.350
SLC	5.0	975.0	0.220	2.460	0.360

SL	ag	S	F <sub>o</sub>	F <sub>v</sub>	T <sub>b</sub>	T <sub>c</sub>	T <sub>d</sub>
	g				sec	sec	sec
SLO	0.049	1.800	2.320	0.692	0.224	0.673	1.795
SLD	0.064	1.800	2.330	0.795	0.232	0.696	1.855
SLV	0.174	1.778	2.380	1.341	0.247	0.740	2.297
SLC	0.220	1.589	2.460	1.557	0.250	0.750	2.479

# RISULTATI ANALISI SISMICHE

## LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

- 9. Esk** caso di carico sismico con analisi statica equivalente  
**10. Edk** caso di carico sismico con analisi dinamica

Ciascun caso di carico è caratterizzato da un angolo di ingresso e da una configurazione di masse determinante la forza sismica complessiva (si rimanda al capitolo relativo ai casi di carico per chiarimenti inerenti questo aspetto).

Nella colonna Note, in funzione della norma in uso sono riportati i parametri fondamentali che caratterizzano l'azione sismica: in particolare possono essere presenti i seguenti valori:

<b>Angolo di ingresso</b>	Angolo di ingresso dell'azione sismica orizzontale
<b>Fattore di importanza</b>	Fattore di importanza dell'edificio, in base alla categoria di appartenenza
<b>Zona sismica</b>	Zona sismica
<b>Accelerazione ag</b>	Accelerazione orizzontale massima sul suolo
<b>Categoria suolo</b>	Categoria di profilo stratigrafico del suolo di fondazione
<b>Fattore di struttura q</b>	Fattore dipendente dalla tipologia strutturale
<b>Fattore di sito S</b>	Fattore dipendente dalla stratigrafia e dal profilo topografico
<b>Classe di duttilità CD</b>	Classe di duttilità della struttura – "A" duttilità alta, "B" duttilità bassa
<b>Fattore riduz. SLD</b>	Fattore di riduzione dello spettro elastico per lo stato limite di danno
<b>Periodo proprio T1</b>	Periodo proprio di vibrazione della struttura
<b>Coefficiente Lambda</b>	Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
<b>Ordinata spettro Sd(T1)</b>	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
<b>Ordinata spettro Se(T1)</b>	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
<b>Ordinata spettro S (Tb-Tc)</b>	Valore dell' ordinata dello spettro in uso nel tratto costante
<b>numero di modi considerati</b>	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

Per ciascun caso di carico sismico viene riportato l'insieme di dati sotto riportati (le masse sono espresse in unità di forza):

- a) **analisi sismica statica equivalente:**
- quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto  $r/Ls$  (per strutture a nucleo), indici di regolarità  $e/r$  secondo EC8 4.2.3.2
  - azione sismica complessiva
- b) **analisi sismica dinamica con spettro di risposta:**
- quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto  $r/Ls$  (per strutture a nucleo), indici di regolarità  $e/r$  secondo EC8 4.2.3.2
  - frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
  - massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione  $\eta_{dT}$  (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità  $1000 \cdot \eta_{dT}/h$  da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

Qualora si applichi il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") l'analisi sismica dinamica può essere comprensiva di sollecitazione verticale contemporanea a quella orizzontale, nel qual caso è effettuata una sovrapposizione degli effetti in ragione della radice dei quadrati degli effetti stessi. Per ciascuna combinazione sismica - analisi effettuate con il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") - viene riportato il livello di deformazione  $\eta_{dT}$ ,  $\eta_{dP}$  e  $\eta_{dD}$  degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità  $1000 \cdot \eta_{dT}/h$  da confrontare direttamente con il valore 2 o 4 per la verifica.

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo l'allegato 10.A dell'Ordinanza 3274 e smi. In particolare la tabella, per ogni combinazione SLU (SLC per il DM 14-01-2008) sismica riporta il codice di verifica e i valori utilizzati per la verifica: spostamento  $dE$ , area ridotta e dimensione  $A2$ , azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.

<b>Nodo</b>	Nodo di appoggio dell' isolatore
<b>Cmb</b>	Combinazione oggetto della verifica
<b>Verif.</b>	Codice di verifica ok – verifica positiva , NV – verifica negativa, ND – verifica non completata
<b>dE</b>	Spostamento relativo tra le due facce (amplificato del 20% per Ordinanza 3274 e smi) combinato con la regola del 30%
<b>Ang fi</b>	Angolo utilizzato per il calcolo dell' area ridotta Ar (per dispositivi circolari)
<b>V</b>	Azione verticale agente
<b>Ar</b>	Area ridotta efficace
<b>Dim A2</b>	Dimensione utile per il calcolo della deformazione per rotazione
<b>Sig s</b>	Tensione nell' inserto in acciaio
<b>Gam c(a,s,t)</b>	Deformazioni di taglio dell' elastomero
<b>Vcr</b>	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

- 1)  $V > 0$
- 2)  $Sig s < f_{yk}$
- 3)  $Gam t < 5$
- 4)  $Gam s < Gam * (caratteristica dell' elastomero)$
- 5)  $Gam s < 2$
- 6)  $V < 0.5 V_{cr}$

Con riferimento al **Documento di Affidabilità "Test di validazione del software di calcolo PRO\_SAP e dei moduli aggiuntivi PRO\_SAP Modulo Geotecnico, PRO\_CAD nodi acciaio e PRO\_MST"** - versione Maggio 2011, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
<b>23</b>	DM 2008: SPETTRO
<b>29</b>	SISMICA 1000/H, SOMMA V, EFFETTO P-δ
<b>30</b>	ANALISI DI UN EDIFICIO CON ISOLATORI SISMICI
<b>70</b>	MASSE SISMICHE
<b>75</b>	PROGETTO DI ISOLATORI ELASTOMERICI
<b>76</b>	VERIFICA DI ISOLATORI ELASTOMERICI
<b>77</b>	VERIFICA DI ISOLATORI FRICTION PENDULUM

CDC	Tipo	Sigla Id	Note
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: D
			fattore di sito S = 1.778
			ordinata spettro (tratto Tb-Tc) = 0.737 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.097 sec.
			fattore di struttura q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC
			Taglio di calcolo 2.75e-06 [kN]

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
25.00	41.52	100.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.50	83.04	100.00	0.0	0.0	-4.95	0.0	0.0	0.0	0.0	0.0

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
-45.00	83.04	100.00	0.0	0.0	-7.00	0.0	0.0	0.0	0.0	0.0
-94.50	83.04	100.00	0.0	0.0	-4.95	0.0	0.0	0.0	0.0	0.0
-115.00	41.52	100.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	332.17									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	203.282	0.005	0.318	0.0	0.0	0.01	3.31e-03	0.0	0.0	0.0	0.0
2	207.275	0.005	0.318	0.0	0.0	0.0	0.0	0.01	3.39e-03	0.0	0.0
3	264.089	0.004	0.316	0.0	0.0	6.22e-06	1.87e-06	0.0	0.0	0.0	0.0
4	264.093	0.004	0.316	0.0	0.0	0.0	0.0	1.24e-05	3.73e-06	0.0	0.0
5	392.918	0.003	0.314	8.74e-04	2.63e-04	1.10e-06	0.0	0.0	0.0	0.0	0.0
6	393.105	0.003	0.314	0.0	0.0	256.72	77.3	2.17e-06	0.0	0.0	0.0
7	393.512	0.003	0.314	0.0	0.0	1.62e-06	0.0	256.78	77.3	0.0	0.0
8	395.025	0.003	0.314	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	497.104	0.002	0.313	5.66e-06	1.70e-06	1.11e-05	3.35e-06	0.0	0.0	0.0	0.0
Risulta				8.81e-04		256.73		256.79			
In percentuale				2.65e-04		77.29		77.31			

CDC	Tipo	Sigla Id	Note
3	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: D
			fattore di sito S = 1.778
			ordinata spettro (tratto Tb-Tc) = 0.737 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.097 sec.
			fattore di struttura q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC
			Taglio di calcolo 2.39e-06 [kN]

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
25.00	41.52	100.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.50	83.04	100.00	0.0	0.0	4.95	0.0	0.0	0.0	0.0	0.0
-45.00	83.04	100.00	0.0	0.0	7.00	0.0	0.0	0.0	0.0	0.0
-94.50	83.04	100.00	0.0	0.0	4.95	0.0	0.0	0.0	0.0	0.0
-115.00	41.52	100.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	332.17									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	203.282	0.005	0.318	0.0	0.0	0.01	3.31e-03	0.0	0.0	0.0	0.0
2	207.275	0.005	0.318	0.0	0.0	0.0	0.0	0.01	3.39e-03	0.0	0.0
3	264.089	0.004	0.316	0.0	0.0	6.22e-06	1.87e-06	0.0	0.0	0.0	0.0
4	264.093	0.004	0.316	0.0	0.0	0.0	0.0	1.23e-05	3.71e-06	0.0	0.0
5	392.918	0.003	0.314	7.59e-04	2.28e-04	3.14e-06	0.0	0.0	0.0	0.0	0.0
6	393.105	0.003	0.314	0.0	0.0	256.72	77.3	2.68e-06	0.0	0.0	0.0
7	393.512	0.003	0.314	0.0	0.0	2.04e-06	0.0	256.78	77.3	0.0	0.0
8	395.025	0.003	0.314	1.43e-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	497.104	0.002	0.313	5.97e-06	1.80e-06	1.41e-05	4.25e-06	0.0	0.0	0.0	0.0
Risulta				7.67e-04		256.73		256.79			
In				2.31e-04		77.29		77.31			

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
percentuale											

CDC	Tipo	Sigla Id	Note
4	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: D
			fattore di sito S = 1.778
			ordinata spettro (tratto Tb-Tc) = 0.737 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.003 sec.
			fattore di struttura q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC
			Taglio di calcolo 0.8 [kN]

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
25.00	41.52	100.00	0.0	10.00	0.0	0.0	0.0	0.0	0.0	0.0
4.50	83.04	100.00	0.0	10.00	0.0	0.0	0.0	0.0	0.0	0.0
-45.00	83.04	100.00	0.0	10.00	0.0	0.0	0.0	0.0	0.0	0.0
-94.50	83.04	100.00	0.0	10.00	0.0	0.0	0.0	0.0	0.0	0.0
-115.00	41.52	100.00	0.0	10.00	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	332.17									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	203.130	0.005	0.318	0.0	0.0	0.01	3.53e-03	0.0	0.0	0.0	0.0
2	207.233	0.005	0.318	0.0	0.0	0.0	0.0	0.01	3.41e-03	0.0	0.0
3	263.931	0.004	0.316	1.49e-04	4.47e-05	0.0	0.0	0.0	0.0	0.0	0.0
4	263.951	0.004	0.316	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	391.711	0.003	0.314	1.12e-05	3.37e-06	193.51	58.3	2.61e-06	0.0	0.0	0.0
6	393.206	0.003	0.314	0.0	0.0	0.0	0.0	218.96	65.9	0.0	0.0
7	393.470	0.003	0.314	2.00e-06	0.0	63.65	19.2	1.12e-06	0.0	0.0	0.0
8	395.305	0.003	0.314	1.07e-05	3.22e-06	2.01e-06	0.0	37.82	11.4	0.0	0.0
9	494.583	0.002	0.313	1.18e-04	3.55e-05	3.24e-05	9.75e-06	0.0	0.0	0.0	0.0
Risulta				2.90e-04		257.17		256.79			
In percentuale				8.74e-05		77.42		77.31			

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: D
			fattore di sito S = 1.778
			ordinata spettro (tratto Tb-Tc) = 0.737 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.003 sec.
			fattore di struttura q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC
			Taglio di calcolo 0.8 [kN]

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
25.00	41.52	100.00	0.0	-10.00	0.0	0.0	0.0	0.0	0.0	0.0
4.50	83.04	100.00	0.0	-10.00	0.0	0.0	0.0	0.0	0.0	0.0
-45.00	83.04	100.00	0.0	-10.00	0.0	0.0	0.0	0.0	0.0	0.0
-94.50	83.04	100.00	0.0	-10.00	0.0	0.0	0.0	0.0	0.0	0.0
-115.00	41.52	100.00	0.0	-10.00	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	332.17									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	203.130	0.005	0.318	0.0	0.0	0.01	3.53e-03	0.0	0.0	0.0	0.0
2	207.233	0.005	0.318	0.0	0.0	0.0	0.0	0.01	3.41e-03	0.0	0.0
3	263.931	0.004	0.316	1.49e-04	4.47e-05	0.0	0.0	0.0	0.0	0.0	0.0
4	263.951	0.004	0.316	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	391.711	0.003	0.314	0.0	0.0	193.49	58.3	0.0	0.0	0.0	0.0
6	393.206	0.003	0.314	0.0	0.0	1.33e-06	0.0	218.97	65.9	0.0	0.0
7	393.470	0.003	0.314	1.52e-06	0.0	63.67	19.2	8.55e-06	2.58e-06	0.0	0.0
8	395.305	0.003	0.314	1.02e-06	0.0	0.0	0.0	37.81	11.4	0.0	0.0
9	494.576	0.002	0.313	3.41e-06	1.03e-06	0.0	0.0	0.0	0.0	0.0	0.0
Risulta				1.55e-04		257.17		256.79			
In percentuale				4.66e-05		77.42		77.31			

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: D
			fattore di sito S = 1.800
			ordinata spettro (tratto Tb-Tc) = 0.268 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.097 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC
			Taglio di calcolo 2.75e-06 [kN]

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
25.00	41.52	100.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.50	83.04	100.00	0.0	0.0	-4.95	0.0	0.0	0.0	0.0	0.0
-45.00	83.04	100.00	0.0	0.0	-7.00	0.0	0.0	0.0	0.0	0.0
-94.50	83.04	100.00	0.0	0.0	-4.95	0.0	0.0	0.0	0.0	0.0
-115.00	41.52	100.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	332.17									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	203.282	0.005	0.118	0.0	0.0	0.01	3.31e-03	0.0	0.0	0.0	0.0
2	207.275	0.005	0.118	0.0	0.0	0.0	0.0	0.01	3.39e-03	0.0	0.0
3	264.089	0.004	0.117	0.0	0.0	6.22e-06	1.87e-06	0.0	0.0	0.0	0.0
4	264.093	0.004	0.117	0.0	0.0	0.0	0.0	1.24e-05	3.73e-06	0.0	0.0
5	392.918	0.003	0.117	8.74e-04	2.63e-04	1.10e-06	0.0	0.0	0.0	0.0	0.0
6	393.105	0.003	0.117	0.0	0.0	256.72	77.3	2.17e-06	0.0	0.0	0.0
7	393.512	0.003	0.117	0.0	0.0	1.62e-06	0.0	256.78	77.3	0.0	0.0
8	395.025	0.003	0.117	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	497.104	0.002	0.116	5.66e-06	1.70e-06	1.11e-05	3.35e-06	0.0	0.0	0.0	0.0



Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	203.130	0.005	0.118	0.0	0.0	0.01	3.53e-03	0.0	0.0	0.0	0.0
2	207.233	0.005	0.118	0.0	0.0	0.0	0.0	0.01	3.41e-03	0.0	0.0
3	263.931	0.004	0.117	1.49e-04	4.47e-05	0.0	0.0	0.0	0.0	0.0	0.0
4	263.951	0.004	0.117	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	391.711	0.003	0.117	1.12e-05	3.37e-06	193.51	58.3	2.61e-06	0.0	0.0	0.0
6	393.206	0.003	0.117	0.0	0.0	0.0	0.0	218.96	65.9	0.0	0.0
7	393.470	0.003	0.117	2.00e-06	0.0	63.65	19.2	1.12e-06	0.0	0.0	0.0
8	395.305	0.003	0.117	1.07e-05	3.22e-06	2.01e-06	0.0	37.82	11.4	0.0	0.0
9	494.583	0.002	0.116	1.18e-04	3.55e-05	3.24e-05	9.75e-06	0.0	0.0	0.0	0.0
Risulta				2.90e-04		257.17		256.79			
In percentuale				8.74e-05		77.42		77.31			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: D
			fattore di sito S = 1.800
			ordinata spettro (tratto Tb-Tc) = 0.268 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.003 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC
			Taglio di calcolo 0.8 [kN]

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
25.00	41.52	100.00	0.0	-10.00	0.0	0.0	0.0	0.0	0.0	0.0
4.50	83.04	100.00	0.0	-10.00	0.0	0.0	0.0	0.0	0.0	0.0
-45.00	83.04	100.00	0.0	-10.00	0.0	0.0	0.0	0.0	0.0	0.0
-94.50	83.04	100.00	0.0	-10.00	0.0	0.0	0.0	0.0	0.0	0.0
-115.00	41.52	100.00	0.0	-10.00	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	332.17									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	203.130	0.005	0.118	0.0	0.0	0.01	3.53e-03	0.0	0.0	0.0	0.0
2	207.233	0.005	0.118	0.0	0.0	0.0	0.0	0.01	3.41e-03	0.0	0.0
3	263.931	0.004	0.117	1.49e-04	4.47e-05	0.0	0.0	0.0	0.0	0.0	0.0
4	263.951	0.004	0.117	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	391.711	0.003	0.117	0.0	0.0	193.49	58.3	0.0	0.0	0.0	0.0
6	393.206	0.003	0.117	0.0	0.0	1.33e-06	0.0	218.97	65.9	0.0	0.0
7	393.470	0.003	0.117	1.52e-06	0.0	63.67	19.2	8.55e-06	2.58e-06	0.0	0.0
8	395.305	0.003	0.117	1.02e-06	0.0	0.0	0.0	37.81	11.4	0.0	0.0
9	494.576	0.002	0.116	3.41e-06	1.03e-06	0.0	0.0	0.0	0.0	0.0	0.0
Risulta				1.55e-04		257.17		256.79			
In percentuale				4.66e-05		77.42		77.31			

# RISULTATI NODALI

## LEGENDA RISULTATI NODALI

Il controllo dei risultati delle analisi condotte, per quanto concerne i nodi strutturali, è possibile in relazione alle tabelle sottoriportate.

Una prima tabella riporta infatti per ogni nodo e per ogni combinazione (o caso di carico) gli spostamenti nodali.

Una seconda tabella riporta per ogni nodo a cui sia associato un vincolo rigido e/o elastico o una fondazione speciale e per ogni combinazione (o caso di carico) i valori delle azioni esercitate dalla struttura sui vincoli (reazioni vincolari cambiate di segno).

Una terza tabella, infine riassume per ogni nodo le sei combinazioni in cui si attingono i valori minimi e massimi della reazione Fz, della reazione Mx e della reazione My.

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	1	0.0	0.0	0.0	0.0	0.0	0.0
1	2	0.0	0.0	0.0	0.0	0.0	0.0
1	3	0.0	0.0	0.0	0.0	0.0	0.0
1	4	0.0	0.0	0.0	0.0	0.0	0.0
1	5	0.0	0.0	0.0	0.0	0.0	0.0
1	6	0.0	0.0	0.0	0.0	0.0	0.0
1	7	0.0	0.0	0.0	0.0	0.0	0.0
1	8	0.0	0.0	0.0	0.0	0.0	0.0
1	9	0.0	0.0	0.0	0.0	0.0	0.0
1	10	0.0	0.0	0.0	0.0	0.0	0.0
1	11	0.0	0.0	0.0	0.0	0.0	0.0
1	12	0.0	0.0	0.0	0.0	0.0	0.0
1	13	0.0	0.0	0.0	0.0	0.0	0.0
1	14	0.0	0.0	0.0	0.0	0.0	0.0
1	15	0.0	0.0	0.0	0.0	0.0	0.0
1	16	0.0	0.0	0.0	0.0	0.0	0.0
1	17	0.0	0.0	0.0	0.0	0.0	0.0
1	18	0.0	0.0	0.0	0.0	0.0	0.0
1	19	0.0	0.0	0.0	0.0	0.0	0.0
1	20	0.0	0.0	0.0	0.0	0.0	0.0
1	21	0.0	0.0	0.0	0.0	0.0	0.0
1	22	0.0	0.0	0.0	0.0	0.0	0.0
1	23	0.0	0.0	0.0	0.0	0.0	0.0
1	24	0.0	0.0	0.0	0.0	0.0	0.0
1	25	0.0	0.0	0.0	0.0	0.0	0.0
1	26	0.0	0.0	0.0	0.0	0.0	0.0
1	27	0.0	0.0	0.0	0.0	0.0	0.0
1	28	0.0	0.0	0.0	0.0	0.0	0.0
1	29	0.0	0.0	0.0	0.0	0.0	0.0
1	30	0.0	0.0	0.0	0.0	0.0	0.0
1	31	0.0	0.0	0.0	0.0	0.0	0.0
1	32	0.0	0.0	0.0	0.0	0.0	0.0
1	33	0.0	0.0	0.0	0.0	0.0	0.0
1	34	0.0	0.0	0.0	0.0	0.0	0.0
1	35	0.0	0.0	0.0	0.0	0.0	0.0
1	36	0.0	0.0	0.0	0.0	0.0	0.0
1	37	0.0	0.0	0.0	0.0	0.0	0.0
1	38	0.0	0.0	0.0	0.0	0.0	0.0
1	39	0.0	0.0	0.0	0.0	0.0	0.0
1	40	0.0	0.0	0.0	0.0	0.0	0.0
1	41	0.0	0.0	0.0	0.0	0.0	0.0
1	42	0.0	0.0	0.0	0.0	0.0	0.0
1	43	0.0	0.0	0.0	0.0	0.0	0.0
1	44	0.0	0.0	0.0	0.0	0.0	0.0
1	45	0.0	0.0	0.0	0.0	0.0	0.0
1	46	0.0	0.0	0.0	0.0	0.0	0.0
1	47	0.0	0.0	0.0	0.0	0.0	0.0
1	48	0.0	0.0	0.0	0.0	0.0	0.0
1	49	0.0	0.0	0.0	0.0	0.0	0.0
1	50	0.0	0.0	0.0	0.0	0.0	0.0
1	51	0.0	0.0	0.0	0.0	0.0	0.0
1	52	0.0	0.0	0.0	0.0	0.0	0.0
1	53	0.0	0.0	0.0	0.0	0.0	0.0
1	54	0.0	0.0	0.0	0.0	0.0	0.0
1	55	0.0	0.0	0.0	0.0	0.0	0.0
1	56	0.0	0.0	0.0	0.0	0.0	0.0
1	57	0.0	0.0	0.0	0.0	0.0	0.0

1	58	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	59	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	62	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	64	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	66	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	71	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	74	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	76	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1	1.93e-05	2.18e-05	-1.32e-04	2.06e-06	0.0	0.0	0.0
2	2	1.93e-05	2.18e-05	-1.32e-04	2.06e-06	0.0	0.0	0.0
2	3	1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0	0.0
2	4	1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0	0.0
2	5	1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0	0.0
2	6	1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0	0.0
2	7	-6.56e-05	-2.86e-03	2.76e-03	1.48e-06	7.30e-05	7.37e-05	7.37e-05
2	8	-1.77e-04	-3.00e-04	-4.08e-04	-2.84e-06	-2.68e-05	-3.26e-05	-3.26e-05
2	9	-7.30e-05	-3.13e-03	3.02e-03	1.45e-06	7.98e-05	8.04e-05	8.04e-05
2	10	-1.84e-04	-5.66e-04	-1.44e-04	-2.87e-06	-2.01e-05	-2.59e-05	-2.59e-05
2	11	-6.56e-05	-2.86e-03	2.76e-03	1.48e-06	7.31e-05	7.37e-05	7.37e-05
2	12	-1.77e-04	-3.01e-04	-4.07e-04	-2.85e-06	-2.69e-05	-3.27e-05	-3.27e-05
2	13	-7.31e-05	-3.13e-03	3.02e-03	1.46e-06	7.98e-05	8.05e-05	8.05e-05
2	14	-1.84e-04	-5.67e-04	-1.44e-04	-2.87e-06	-2.01e-05	-2.60e-05	-2.60e-05
2	15	-6.56e-05	-2.86e-03	2.76e-03	1.46e-06	7.30e-05	7.37e-05	7.37e-05
2	16	-1.77e-04	-3.00e-04	-4.08e-04	-2.85e-06	-2.68e-05	-3.26e-05	-3.26e-05
2	17	-7.30e-05	-3.13e-03	3.02e-03	1.46e-06	7.98e-05	8.04e-05	8.04e-05
2	18	-1.84e-04	-5.66e-04	-1.44e-04	-2.86e-06	-2.01e-05	-2.59e-05	-2.59e-05
2	19	-6.56e-05	-2.86e-03	2.76e-03	1.47e-06	7.31e-05	7.37e-05	7.37e-05
2	20	-1.77e-04	-3.01e-04	-4.07e-04	-2.86e-06	-2.69e-05	-3.27e-05	-3.27e-05
2	21	-7.31e-05	-3.13e-03	3.02e-03	1.47e-06	7.98e-05	8.05e-05	8.05e-05
2	22	-1.84e-04	-5.67e-04	-1.44e-04	-2.86e-06	-2.01e-05	-2.60e-05	-2.60e-05
2	23	-2.93e-04	-0.01	0.01	1.14e-06	2.80e-04	2.81e-04	2.81e-04
2	24	-6.64e-04	-2.45e-03	2.76e-04	-1.33e-05	-5.31e-05	-7.36e-05	-7.36e-05
2	25	-2.95e-04	-0.01	0.01	1.13e-06	2.82e-04	2.83e-04	2.83e-04
2	26	-6.66e-04	-2.53e-03	3.55e-04	-1.33e-05	-5.11e-05	-7.15e-05	-7.15e-05
2	27	-2.93e-04	-0.01	0.01	1.13e-06	2.80e-04	2.81e-04	2.81e-04
2	28	-6.64e-04	-2.45e-03	2.76e-04	-1.33e-05	-5.31e-05	-7.36e-05	-7.36e-05
2	29	-2.95e-04	-0.01	0.01	1.13e-06	2.82e-04	2.83e-04	2.83e-04
2	30	-6.66e-04	-2.53e-03	3.55e-04	-1.33e-05	-5.11e-05	-7.15e-05	-7.15e-05
2	31	-2.93e-04	-0.01	0.01	1.15e-06	2.80e-04	2.81e-04	2.81e-04
2	32	-6.64e-04	-2.45e-03	2.77e-04	-1.33e-05	-5.32e-05	-7.39e-05	-7.39e-05
2	33	-2.95e-04	-0.01	0.01	1.15e-06	2.82e-04	2.83e-04	2.83e-04
2	34	-6.66e-04	-2.53e-03	3.56e-04	-1.33e-05	-5.12e-05	-7.19e-05	-7.19e-05
2	35	-2.93e-04	-0.01	0.01	1.15e-06	2.80e-04	2.81e-04	2.81e-04
2	36	-6.64e-04	-2.45e-03	2.77e-04	-1.33e-05	-5.32e-05	-7.39e-05	-7.39e-05
2	37	-2.95e-04	-0.01	0.01	1.15e-06	2.82e-04	2.83e-04	2.83e-04
2	38	-6.66e-04	-2.53e-03	3.56e-04	-1.33e-05	-5.12e-05	-7.19e-05	-7.19e-05
2	39	1.51e-05	1.90e-05	-1.01e-04	1.60e-06	0.0	0.0	0.0
2	40	1.45e-05	1.45e-05	-1.01e-04	1.58e-06	0.0	0.0	0.0
2	41	1.51e-05	1.90e-05	-1.01e-04	1.59e-06	0.0	0.0	0.0
2	42	1.45e-05	1.44e-05	-1.01e-04	1.57e-06	0.0	0.0	0.0
2	43	1.51e-05	1.95e-05	-1.02e-04	1.60e-06	0.0	0.0	0.0
2	44	1.45e-05	1.40e-05	-1.01e-04	1.57e-06	0.0	0.0	0.0
2	45	1.51e-05	1.94e-05	-1.01e-04	1.59e-06	0.0	0.0	0.0
2	46	1.45e-05	1.40e-05	-1.01e-04	1.57e-06	0.0	0.0	0.0
2	47	1.51e-05	1.90e-05	-1.01e-04	1.59e-06	0.0	0.0	0.0
2	48	1.45e-05	1.45e-05	-1.01e-04	1.57e-06	0.0	0.0	0.0
2	49	1.51e-05	1.90e-05	-1.01e-04	1.60e-06	0.0	0.0	0.0
2	50	1.45e-05	1.44e-05	-1.01e-04	1.58e-06	0.0	0.0	0.0
2	51	1.51e-05	1.95e-05	-1.02e-04	1.59e-06	0.0	0.0	0.0
2	52	1.45e-05	1.40e-05	-1.01e-04	1.57e-06	0.0	0.0	0.0
2	53	1.51e-05	1.94e-05	-1.01e-04	1.60e-06	0.0	0.0	0.0
2	54	1.45e-05	1.40e-05	-1.01e-04	1.57e-06	0.0	0.0	0.0
2	55	1.58e-05	2.43e-05	-1.02e-04	1.62e-06	0.0	0.0	0.0
2	56	1.38e-05	9.14e-06	-1.01e-04	1.55e-06	0.0	0.0	0.0
2	57	1.58e-05	2.43e-05	-1.02e-04	1.62e-06	0.0	0.0	0.0
2	58	1.38e-05	9.13e-06	-1.01e-04	1.55e-06	0.0	0.0	0.0

2	59	1.58e-05	2.43e-05	-1.02e-04	1.62e-06	0.0	0.0
2	60	1.38e-05	9.14e-06	-1.01e-04	1.55e-06	0.0	0.0
2	61	1.58e-05	2.43e-05	-1.02e-04	1.62e-06	0.0	0.0
2	62	1.38e-05	9.13e-06	-1.01e-04	1.55e-06	0.0	0.0
2	63	1.58e-05	2.58e-05	-1.02e-04	1.62e-06	0.0	0.0
2	64	1.39e-05	7.65e-06	-1.00e-04	1.55e-06	0.0	0.0
2	65	1.58e-05	2.58e-05	-1.02e-04	1.62e-06	0.0	0.0
2	66	1.39e-05	7.64e-06	-1.00e-04	1.54e-06	0.0	0.0
2	67	1.58e-05	2.58e-05	-1.02e-04	1.62e-06	0.0	0.0
2	68	1.39e-05	7.65e-06	-1.00e-04	1.54e-06	0.0	0.0
2	69	1.58e-05	2.58e-05	-1.02e-04	1.62e-06	0.0	0.0
2	70	1.39e-05	7.64e-06	-1.00e-04	1.55e-06	0.0	0.0
2	71	1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
2	72	1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
2	73	1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
2	74	1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
2	75	1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
2	76	1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
3	1	0.0	0.0	-1.11e-04	2.83e-06	0.0	0.0
3	2	0.0	0.0	-1.11e-04	2.83e-06	0.0	0.0
3	3	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
3	4	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
3	5	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
3	6	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
3	7	-9.19e-05	-4.11e-03	-8.52e-05	2.18e-06	0.0	1.03e-04
3	8	-2.91e-05	4.83e-04	-1.38e-04	2.01e-05	-2.27e-06	-1.78e-05
3	9	-1.01e-04	-4.49e-03	-8.52e-05	2.18e-06	0.0	1.13e-04
3	10	-3.77e-05	1.04e-04	-1.38e-04	2.01e-05	-2.27e-06	-8.36e-06
3	11	-9.20e-05	-4.11e-03	-8.52e-05	2.18e-06	0.0	1.03e-04
3	12	-2.91e-05	4.82e-04	-1.38e-04	2.01e-05	-2.27e-06	-1.79e-05
3	13	-1.01e-04	-4.49e-03	-8.52e-05	2.18e-06	0.0	1.13e-04
3	14	-3.77e-05	1.02e-04	-1.38e-04	2.01e-05	-2.27e-06	-8.49e-06
3	15	-9.19e-05	-4.11e-03	-8.52e-05	2.18e-06	0.0	1.03e-04
3	16	-2.91e-05	4.83e-04	-1.38e-04	2.01e-05	-2.27e-06	-1.78e-05
3	17	-1.01e-04	-4.49e-03	-8.52e-05	2.18e-06	0.0	1.13e-04
3	18	-3.77e-05	1.04e-04	-1.38e-04	2.01e-05	-2.27e-06	-8.36e-06
3	19	-9.20e-05	-4.11e-03	-8.52e-05	2.18e-06	0.0	1.03e-04
3	20	-2.91e-05	4.82e-04	-1.38e-04	2.01e-05	-2.27e-06	-1.79e-05
3	21	-1.01e-04	-4.49e-03	-8.52e-05	2.18e-06	0.0	1.13e-04
3	22	-3.77e-05	1.02e-04	-1.38e-04	2.01e-05	-2.27e-06	-8.49e-06
3	23	-3.52e-04	-0.02	-8.52e-05	2.18e-06	0.0	3.95e-04
3	24	-1.43e-04	-4.03e-04	-2.62e-04	6.18e-05	-6.49e-06	-9.13e-06
3	25	-3.55e-04	-0.02	-8.52e-05	2.18e-06	0.0	3.97e-04
3	26	-1.45e-04	-5.17e-04	-2.62e-04	6.18e-05	-6.49e-06	-6.30e-06
3	27	-3.52e-04	-0.02	-8.52e-05	2.18e-06	0.0	3.95e-04
3	28	-1.43e-04	-4.03e-04	-2.62e-04	6.18e-05	-6.49e-06	-9.13e-06
3	29	-3.55e-04	-0.02	-8.52e-05	2.18e-06	0.0	3.97e-04
3	30	-1.45e-04	-5.17e-04	-2.62e-04	6.18e-05	-6.49e-06	-6.30e-06
3	31	-3.52e-04	-0.02	-8.52e-05	2.18e-06	0.0	3.95e-04
3	32	-1.42e-04	-4.08e-04	-2.62e-04	6.18e-05	-6.49e-06	-9.56e-06
3	33	-3.55e-04	-0.02	-8.52e-05	2.18e-06	0.0	3.98e-04
3	34	-1.45e-04	-5.22e-04	-2.62e-04	6.18e-05	-6.49e-06	-6.72e-06
3	35	-3.52e-04	-0.02	-8.52e-05	2.18e-06	0.0	3.95e-04
3	36	-1.42e-04	-4.08e-04	-2.62e-04	6.18e-05	-6.49e-06	-9.56e-06
3	37	-3.55e-04	-0.02	-8.52e-05	2.18e-06	0.0	3.98e-04
3	38	-1.45e-04	-5.22e-04	-2.62e-04	6.18e-05	-6.49e-06	-6.72e-06
3	39	0.0	2.42e-06	-8.52e-05	2.18e-06	0.0	0.0
3	40	0.0	-2.34e-06	-8.52e-05	2.18e-06	0.0	0.0
3	41	0.0	2.34e-06	-8.52e-05	2.18e-06	0.0	0.0
3	42	0.0	-2.42e-06	-8.52e-05	2.18e-06	0.0	0.0
3	43	0.0	3.01e-06	-8.52e-05	2.18e-06	0.0	0.0
3	44	0.0	-2.94e-06	-8.52e-05	2.18e-06	0.0	0.0
3	45	0.0	2.94e-06	-8.52e-05	2.18e-06	0.0	0.0
3	46	0.0	-3.01e-06	-8.52e-05	2.18e-06	0.0	0.0
3	47	0.0	2.41e-06	-8.52e-05	2.18e-06	0.0	0.0
3	48	0.0	-2.34e-06	-8.52e-05	2.18e-06	0.0	0.0
3	49	0.0	2.34e-06	-8.52e-05	2.18e-06	0.0	0.0
3	50	0.0	-2.41e-06	-8.52e-05	2.18e-06	0.0	0.0
3	51	0.0	3.01e-06	-8.52e-05	2.18e-06	0.0	0.0
3	52	0.0	-2.94e-06	-8.52e-05	2.18e-06	0.0	0.0
3	53	0.0	2.94e-06	-8.52e-05	2.18e-06	0.0	0.0
3	54	0.0	-3.01e-06	-8.52e-05	2.18e-06	0.0	0.0
3	55	1.34e-06	7.94e-06	-8.52e-05	2.18e-06	0.0	0.0
3	56	-1.34e-06	-7.92e-06	-8.52e-05	2.18e-06	0.0	0.0
3	57	1.34e-06	7.92e-06	-8.52e-05	2.18e-06	0.0	0.0
3	58	-1.34e-06	-7.94e-06	-8.52e-05	2.18e-06	0.0	0.0
3	59	1.34e-06	7.94e-06	-8.52e-05	2.18e-06	0.0	0.0

3	60	-1.34e-06	-7.92e-06	-8.52e-05	2.18e-06	0.0	0.0
3	61	1.34e-06	7.92e-06	-8.52e-05	2.18e-06	0.0	0.0
3	62	-1.34e-06	-7.94e-06	-8.52e-05	2.18e-06	0.0	0.0
3	63	1.30e-06	9.94e-06	-8.52e-05	2.18e-06	0.0	0.0
3	64	-1.30e-06	-9.91e-06	-8.52e-05	2.18e-06	0.0	0.0
3	65	1.30e-06	9.91e-06	-8.52e-05	2.18e-06	0.0	0.0
3	66	-1.30e-06	-9.94e-06	-8.52e-05	2.18e-06	0.0	0.0
3	67	1.30e-06	9.94e-06	-8.52e-05	2.18e-06	0.0	0.0
3	68	-1.30e-06	-9.91e-06	-8.52e-05	2.18e-06	0.0	0.0
3	69	1.30e-06	9.91e-06	-8.52e-05	2.18e-06	0.0	0.0
3	70	-1.30e-06	-9.94e-06	-8.52e-05	2.18e-06	0.0	0.0
3	71	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
3	72	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
3	73	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
3	74	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
3	75	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
3	76	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
4	1	0.0	0.0	0.0	0.0	0.0	0.0
4	2	0.0	0.0	0.0	0.0	0.0	0.0
4	3	0.0	0.0	0.0	0.0	0.0	0.0
4	4	0.0	0.0	0.0	0.0	0.0	0.0
4	5	0.0	0.0	0.0	0.0	0.0	0.0
4	6	0.0	0.0	0.0	0.0	0.0	0.0
4	7	0.0	0.0	0.0	0.0	0.0	0.0
4	8	0.0	0.0	0.0	0.0	0.0	0.0
4	9	0.0	0.0	0.0	0.0	0.0	0.0
4	10	0.0	0.0	0.0	0.0	0.0	0.0
4	11	0.0	0.0	0.0	0.0	0.0	0.0
4	12	0.0	0.0	0.0	0.0	0.0	0.0
4	13	0.0	0.0	0.0	0.0	0.0	0.0
4	14	0.0	0.0	0.0	0.0	0.0	0.0
4	15	0.0	0.0	0.0	0.0	0.0	0.0
4	16	0.0	0.0	0.0	0.0	0.0	0.0
4	17	0.0	0.0	0.0	0.0	0.0	0.0
4	18	0.0	0.0	0.0	0.0	0.0	0.0
4	19	0.0	0.0	0.0	0.0	0.0	0.0
4	20	0.0	0.0	0.0	0.0	0.0	0.0
4	21	0.0	0.0	0.0	0.0	0.0	0.0
4	22	0.0	0.0	0.0	0.0	0.0	0.0
4	23	0.0	0.0	0.0	0.0	0.0	0.0
4	24	0.0	0.0	0.0	0.0	0.0	0.0
4	25	0.0	0.0	0.0	0.0	0.0	0.0
4	26	0.0	0.0	0.0	0.0	0.0	0.0
4	27	0.0	0.0	0.0	0.0	0.0	0.0
4	28	0.0	0.0	0.0	0.0	0.0	0.0
4	29	0.0	0.0	0.0	0.0	0.0	0.0
4	30	0.0	0.0	0.0	0.0	0.0	0.0
4	31	0.0	0.0	0.0	0.0	0.0	0.0
4	32	0.0	0.0	0.0	0.0	0.0	0.0
4	33	0.0	0.0	0.0	0.0	0.0	0.0
4	34	0.0	0.0	0.0	0.0	0.0	0.0
4	35	0.0	0.0	0.0	0.0	0.0	0.0
4	36	0.0	0.0	0.0	0.0	0.0	0.0
4	37	0.0	0.0	0.0	0.0	0.0	0.0
4	38	0.0	0.0	0.0	0.0	0.0	0.0
4	39	0.0	0.0	0.0	0.0	0.0	0.0
4	40	0.0	0.0	0.0	0.0	0.0	0.0
4	41	0.0	0.0	0.0	0.0	0.0	0.0
4	42	0.0	0.0	0.0	0.0	0.0	0.0
4	43	0.0	0.0	0.0	0.0	0.0	0.0
4	44	0.0	0.0	0.0	0.0	0.0	0.0
4	45	0.0	0.0	0.0	0.0	0.0	0.0
4	46	0.0	0.0	0.0	0.0	0.0	0.0
4	47	0.0	0.0	0.0	0.0	0.0	0.0
4	48	0.0	0.0	0.0	0.0	0.0	0.0
4	49	0.0	0.0	0.0	0.0	0.0	0.0
4	50	0.0	0.0	0.0	0.0	0.0	0.0
4	51	0.0	0.0	0.0	0.0	0.0	0.0
4	52	0.0	0.0	0.0	0.0	0.0	0.0
4	53	0.0	0.0	0.0	0.0	0.0	0.0
4	54	0.0	0.0	0.0	0.0	0.0	0.0
4	55	0.0	0.0	0.0	0.0	0.0	0.0
4	56	0.0	0.0	0.0	0.0	0.0	0.0
4	57	0.0	0.0	0.0	0.0	0.0	0.0
4	58	0.0	0.0	0.0	0.0	0.0	0.0
4	59	0.0	0.0	0.0	0.0	0.0	0.0
4	60	0.0	0.0	0.0	0.0	0.0	0.0

4	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	62	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	64	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	66	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	71	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	74	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	76	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	1	-1.93e-05	-2.18e-05	-1.32e-04	2.06e-06	0.0	0.0	0.0
5	2	-1.93e-05	-2.18e-05	-1.32e-04	2.06e-06	0.0	0.0	0.0
5	3	-1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0	0.0
5	4	-1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0	0.0
5	5	-1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0	0.0
5	6	-1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0	0.0
5	7	-9.52e-05	-2.89e-03	-2.96e-03	1.69e-06	-7.35e-05	7.32e-05	0.0
5	8	5.59e-06	4.57e-04	3.84e-04	0.0	1.02e-05	-1.14e-05	0.0
5	9	-1.03e-04	-3.16e-03	-3.22e-03	1.72e-06	-8.03e-05	7.99e-05	0.0
5	10	-1.90e-06	1.91e-04	1.20e-04	0.0	3.43e-06	-4.68e-06	0.0
5	11	-9.52e-05	-2.89e-03	-2.96e-03	1.69e-06	-7.36e-05	7.33e-05	0.0
5	12	5.62e-06	4.55e-04	3.84e-04	0.0	1.02e-05	-1.15e-05	0.0
5	13	-1.03e-04	-3.16e-03	-3.22e-03	1.71e-06	-8.03e-05	8.00e-05	0.0
5	14	-1.87e-06	1.89e-04	1.20e-04	0.0	3.46e-06	-4.77e-06	0.0
5	15	-9.52e-05	-2.89e-03	-2.96e-03	1.70e-06	-7.35e-05	7.32e-05	0.0
5	16	5.59e-06	4.57e-04	3.84e-04	0.0	1.02e-05	-1.14e-05	0.0
5	17	-1.03e-04	-3.16e-03	-3.22e-03	1.71e-06	-8.03e-05	7.99e-05	0.0
5	18	-1.90e-06	1.91e-04	1.20e-04	0.0	3.43e-06	-4.68e-06	0.0
5	19	-9.52e-05	-2.89e-03	-2.96e-03	1.70e-06	-7.36e-05	7.33e-05	0.0
5	20	5.62e-06	4.55e-04	3.84e-04	0.0	1.02e-05	-1.15e-05	0.0
5	21	-1.03e-04	-3.16e-03	-3.22e-03	1.70e-06	-8.03e-05	8.00e-05	0.0
5	22	-1.87e-06	1.89e-04	1.20e-04	0.0	3.46e-06	-4.77e-06	0.0
5	23	-3.22e-04	-0.01	-0.01	2.03e-06	-2.80e-04	2.80e-04	0.0
5	24	1.35e-05	1.50e-04	1.17e-04	-2.55e-06	-1.33e-06	-1.79e-06	0.0
5	25	-3.25e-04	-0.01	-0.01	2.04e-06	-2.82e-04	2.82e-04	0.0
5	26	1.12e-05	7.01e-05	3.81e-05	-2.54e-06	-3.35e-06	0.0	0.0
5	27	-3.22e-04	-0.01	-0.01	2.03e-06	-2.80e-04	2.80e-04	0.0
5	28	1.35e-05	1.50e-04	1.17e-04	-2.54e-06	-1.33e-06	-1.79e-06	0.0
5	29	-3.25e-04	-0.01	-0.01	2.03e-06	-2.82e-04	2.82e-04	0.0
5	30	1.12e-05	7.01e-05	3.81e-05	-2.54e-06	-3.35e-06	0.0	0.0
5	31	-3.23e-04	-0.01	-0.01	2.01e-06	-2.80e-04	2.81e-04	0.0
5	32	1.36e-05	1.46e-04	1.16e-04	-2.53e-06	-1.25e-06	-2.10e-06	0.0
5	33	-3.25e-04	-0.01	-0.01	2.02e-06	-2.82e-04	2.83e-04	0.0
5	34	1.13e-05	6.61e-05	3.71e-05	-2.52e-06	-3.27e-06	0.0	0.0
5	35	-3.23e-04	-0.01	-0.01	2.02e-06	-2.80e-04	2.81e-04	0.0
5	36	1.36e-05	1.46e-04	1.16e-04	-2.53e-06	-1.25e-06	-2.10e-06	0.0
5	37	-3.25e-04	-0.01	-0.01	2.02e-06	-2.82e-04	2.83e-04	0.0
5	38	1.13e-05	6.61e-05	3.71e-05	-2.53e-06	-3.27e-06	0.0	0.0
5	39	-1.45e-05	-1.44e-05	-1.01e-04	1.57e-06	0.0	0.0	0.0
5	40	-1.51e-05	-1.90e-05	-1.01e-04	1.59e-06	0.0	0.0	0.0
5	41	-1.45e-05	-1.45e-05	-1.01e-04	1.58e-06	0.0	0.0	0.0
5	42	-1.51e-05	-1.90e-05	-1.01e-04	1.60e-06	0.0	0.0	0.0
5	43	-1.45e-05	-1.40e-05	-1.01e-04	1.57e-06	0.0	0.0	0.0
5	44	-1.51e-05	-1.94e-05	-1.01e-04	1.59e-06	0.0	0.0	0.0
5	45	-1.45e-05	-1.40e-05	-1.01e-04	1.57e-06	0.0	0.0	0.0
5	46	-1.51e-05	-1.95e-05	-1.02e-04	1.60e-06	0.0	0.0	0.0
5	47	-1.45e-05	-1.44e-05	-1.01e-04	1.58e-06	0.0	0.0	0.0
5	48	-1.51e-05	-1.90e-05	-1.01e-04	1.60e-06	0.0	0.0	0.0
5	49	-1.45e-05	-1.45e-05	-1.01e-04	1.57e-06	0.0	0.0	0.0
5	50	-1.51e-05	-1.90e-05	-1.01e-04	1.59e-06	0.0	0.0	0.0
5	51	-1.45e-05	-1.40e-05	-1.01e-04	1.57e-06	0.0	0.0	0.0
5	52	-1.51e-05	-1.94e-05	-1.01e-04	1.60e-06	0.0	0.0	0.0
5	53	-1.45e-05	-1.40e-05	-1.01e-04	1.57e-06	0.0	0.0	0.0
5	54	-1.51e-05	-1.95e-05	-1.02e-04	1.59e-06	0.0	0.0	0.0
5	55	-1.38e-05	-9.13e-06	-1.01e-04	1.55e-06	0.0	0.0	0.0
5	56	-1.58e-05	-2.43e-05	-1.02e-04	1.62e-06	0.0	0.0	0.0
5	57	-1.38e-05	-9.14e-06	-1.01e-04	1.55e-06	0.0	0.0	0.0
5	58	-1.58e-05	-2.43e-05	-1.02e-04	1.62e-06	0.0	0.0	0.0
5	59	-1.38e-05	-9.13e-06	-1.01e-04	1.55e-06	0.0	0.0	0.0
5	60	-1.58e-05	-2.43e-05	-1.02e-04	1.62e-06	0.0	0.0	0.0
5	61	-1.38e-05	-9.14e-06	-1.01e-04	1.55e-06	0.0	0.0	0.0

5	62	-1.58e-05	-2.43e-05	-1.02e-04	1.62e-06	0.0	0.0
5	63	-1.39e-05	-7.64e-06	-1.00e-04	1.54e-06	0.0	0.0
5	64	-1.58e-05	-2.58e-05	-1.02e-04	1.62e-06	0.0	0.0
5	65	-1.39e-05	-7.65e-06	-1.00e-04	1.55e-06	0.0	0.0
5	66	-1.58e-05	-2.58e-05	-1.02e-04	1.62e-06	0.0	0.0
5	67	-1.39e-05	-7.64e-06	-1.00e-04	1.55e-06	0.0	0.0
5	68	-1.58e-05	-2.58e-05	-1.02e-04	1.62e-06	0.0	0.0
5	69	-1.39e-05	-7.65e-06	-1.00e-04	1.54e-06	0.0	0.0
5	70	-1.58e-05	-2.58e-05	-1.02e-04	1.62e-06	0.0	0.0
5	71	-1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
5	72	-1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
5	73	-1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
5	74	-1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
5	75	-1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
5	76	-1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
6	1	0.0	0.0	0.0	0.0	0.0	0.0
6	2	0.0	0.0	0.0	0.0	0.0	0.0
6	3	0.0	0.0	0.0	0.0	0.0	0.0
6	4	0.0	0.0	0.0	0.0	0.0	0.0
6	5	0.0	0.0	0.0	0.0	0.0	0.0
6	6	0.0	0.0	0.0	0.0	0.0	0.0
6	7	0.0	0.0	0.0	0.0	0.0	0.0
6	8	0.0	0.0	0.0	0.0	0.0	0.0
6	9	0.0	0.0	0.0	0.0	0.0	0.0
6	10	0.0	0.0	0.0	0.0	0.0	0.0
6	11	0.0	0.0	0.0	0.0	0.0	0.0
6	12	0.0	0.0	0.0	0.0	0.0	0.0
6	13	0.0	0.0	0.0	0.0	0.0	0.0
6	14	0.0	0.0	0.0	0.0	0.0	0.0
6	15	0.0	0.0	0.0	0.0	0.0	0.0
6	16	0.0	0.0	0.0	0.0	0.0	0.0
6	17	0.0	0.0	0.0	0.0	0.0	0.0
6	18	0.0	0.0	0.0	0.0	0.0	0.0
6	19	0.0	0.0	0.0	0.0	0.0	0.0
6	20	0.0	0.0	0.0	0.0	0.0	0.0
6	21	0.0	0.0	0.0	0.0	0.0	0.0
6	22	0.0	0.0	0.0	0.0	0.0	0.0
6	23	0.0	0.0	0.0	0.0	0.0	0.0
6	24	0.0	0.0	0.0	0.0	0.0	0.0
6	25	0.0	0.0	0.0	0.0	0.0	0.0
6	26	0.0	0.0	0.0	0.0	0.0	0.0
6	27	0.0	0.0	0.0	0.0	0.0	0.0
6	28	0.0	0.0	0.0	0.0	0.0	0.0
6	29	0.0	0.0	0.0	0.0	0.0	0.0
6	30	0.0	0.0	0.0	0.0	0.0	0.0
6	31	0.0	0.0	0.0	0.0	0.0	0.0
6	32	0.0	0.0	0.0	0.0	0.0	0.0
6	33	0.0	0.0	0.0	0.0	0.0	0.0
6	34	0.0	0.0	0.0	0.0	0.0	0.0
6	35	0.0	0.0	0.0	0.0	0.0	0.0
6	36	0.0	0.0	0.0	0.0	0.0	0.0
6	37	0.0	0.0	0.0	0.0	0.0	0.0
6	38	0.0	0.0	0.0	0.0	0.0	0.0
6	39	0.0	0.0	0.0	0.0	0.0	0.0
6	40	0.0	0.0	0.0	0.0	0.0	0.0
6	41	0.0	0.0	0.0	0.0	0.0	0.0
6	42	0.0	0.0	0.0	0.0	0.0	0.0
6	43	0.0	0.0	0.0	0.0	0.0	0.0
6	44	0.0	0.0	0.0	0.0	0.0	0.0
6	45	0.0	0.0	0.0	0.0	0.0	0.0
6	46	0.0	0.0	0.0	0.0	0.0	0.0
6	47	0.0	0.0	0.0	0.0	0.0	0.0
6	48	0.0	0.0	0.0	0.0	0.0	0.0
6	49	0.0	0.0	0.0	0.0	0.0	0.0
6	50	0.0	0.0	0.0	0.0	0.0	0.0
6	51	0.0	0.0	0.0	0.0	0.0	0.0
6	52	0.0	0.0	0.0	0.0	0.0	0.0
6	53	0.0	0.0	0.0	0.0	0.0	0.0
6	54	0.0	0.0	0.0	0.0	0.0	0.0
6	55	0.0	0.0	0.0	0.0	0.0	0.0
6	56	0.0	0.0	0.0	0.0	0.0	0.0
6	57	0.0	0.0	0.0	0.0	0.0	0.0
6	58	0.0	0.0	0.0	0.0	0.0	0.0
6	59	0.0	0.0	0.0	0.0	0.0	0.0
6	60	0.0	0.0	0.0	0.0	0.0	0.0
6	61	0.0	0.0	0.0	0.0	0.0	0.0
6	62	0.0	0.0	0.0	0.0	0.0	0.0

6	63	0.0	0.0	0.0	0.0	0.0	0.0
6	64	0.0	0.0	0.0	0.0	0.0	0.0
6	65	0.0	0.0	0.0	0.0	0.0	0.0
6	66	0.0	0.0	0.0	0.0	0.0	0.0
6	67	0.0	0.0	0.0	0.0	0.0	0.0
6	68	0.0	0.0	0.0	0.0	0.0	0.0
6	69	0.0	0.0	0.0	0.0	0.0	0.0
6	70	0.0	0.0	0.0	0.0	0.0	0.0
6	71	0.0	0.0	0.0	0.0	0.0	0.0
6	72	0.0	0.0	0.0	0.0	0.0	0.0
6	73	0.0	0.0	0.0	0.0	0.0	0.0
6	74	0.0	0.0	0.0	0.0	0.0	0.0
6	75	0.0	0.0	0.0	0.0	0.0	0.0
6	76	0.0	0.0	0.0	0.0	0.0	0.0
7	1	-2.58e-05	0.0	-1.48e-04	0.0	0.0	0.0
7	2	-2.58e-05	0.0	-1.48e-04	0.0	0.0	0.0
7	3	-1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
7	4	-1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
7	5	-1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
7	6	-1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
7	7	-9.04e-05	5.76e-06	-4.12e-03	0.0	-1.04e-04	0.0
7	8	-1.12e-05	-5.79e-06	5.23e-04	0.0	1.67e-05	0.0
7	9	-9.69e-05	5.79e-06	-4.49e-03	0.0	-1.14e-04	0.0
7	10	-1.77e-05	-5.76e-06	1.53e-04	0.0	7.16e-06	0.0
7	11	-9.04e-05	6.62e-06	-4.12e-03	0.0	-1.04e-04	0.0
7	12	-1.12e-05	-6.65e-06	5.23e-04	0.0	1.67e-05	0.0
7	13	-9.69e-05	6.65e-06	-4.49e-03	0.0	-1.14e-04	0.0
7	14	-1.77e-05	-6.62e-06	1.53e-04	0.0	7.16e-06	0.0
7	15	-9.04e-05	5.79e-06	-4.12e-03	0.0	-1.04e-04	0.0
7	16	-1.12e-05	-5.77e-06	5.23e-04	0.0	1.67e-05	0.0
7	17	-9.69e-05	5.77e-06	-4.49e-03	0.0	-1.14e-04	0.0
7	18	-1.77e-05	-5.79e-06	1.53e-04	0.0	7.16e-06	0.0
7	19	-9.04e-05	6.65e-06	-4.12e-03	0.0	-1.04e-04	0.0
7	20	-1.12e-05	-6.62e-06	5.23e-04	0.0	1.67e-05	0.0
7	21	-9.69e-05	6.62e-06	-4.49e-03	0.0	-1.14e-04	0.0
7	22	-1.77e-05	-6.65e-06	1.53e-04	0.0	7.16e-06	0.0
7	23	-2.89e-04	1.93e-05	-0.02	0.0	-3.97e-04	1.33e-06
7	24	-2.57e-05	-1.93e-05	4.68e-05	0.0	5.22e-06	-1.33e-06
7	25	-2.91e-04	1.93e-05	-0.02	0.0	-4.00e-04	1.33e-06
7	26	-2.76e-05	-1.93e-05	-6.41e-05	0.0	2.35e-06	-1.33e-06
7	27	-2.89e-04	1.93e-05	-0.02	0.0	-3.97e-04	1.33e-06
7	28	-2.57e-05	-1.93e-05	4.68e-05	0.0	5.22e-06	-1.33e-06
7	29	-2.91e-04	1.93e-05	-0.02	0.0	-4.00e-04	1.33e-06
7	30	-2.76e-05	-1.93e-05	-6.41e-05	0.0	2.35e-06	-1.33e-06
7	31	-2.89e-04	2.21e-05	-0.02	0.0	-3.97e-04	1.55e-06
7	32	-2.57e-05	-2.21e-05	4.68e-05	0.0	5.22e-06	-1.55e-06
7	33	-2.91e-04	2.21e-05	-0.02	0.0	-4.00e-04	1.55e-06
7	34	-2.76e-05	-2.21e-05	-6.41e-05	0.0	2.35e-06	-1.55e-06
7	35	-2.89e-04	2.21e-05	-0.02	0.0	-3.97e-04	1.55e-06
7	36	-2.57e-05	-2.21e-05	4.68e-05	0.0	5.22e-06	-1.55e-06
7	37	-2.91e-04	2.21e-05	-0.02	0.0	-4.00e-04	1.55e-06
7	38	-2.76e-05	-2.21e-05	-6.41e-05	0.0	2.35e-06	-1.55e-06
7	39	-1.98e-05	2.14e-06	-1.14e-04	0.0	0.0	0.0
7	40	-1.98e-05	-2.15e-06	-1.14e-04	0.0	0.0	0.0
7	41	-1.98e-05	2.15e-06	-1.14e-04	0.0	0.0	0.0
7	42	-1.98e-05	-2.14e-06	-1.14e-04	0.0	0.0	0.0
7	43	-1.98e-05	2.45e-06	-1.14e-04	0.0	0.0	0.0
7	44	-1.98e-05	-2.47e-06	-1.14e-04	0.0	0.0	0.0
7	45	-1.98e-05	2.47e-06	-1.14e-04	0.0	0.0	0.0
7	46	-1.98e-05	-2.45e-06	-1.14e-04	0.0	0.0	0.0
7	47	-1.98e-05	2.15e-06	-1.14e-04	0.0	0.0	0.0
7	48	-1.98e-05	-2.14e-06	-1.14e-04	0.0	0.0	0.0
7	49	-1.98e-05	2.14e-06	-1.14e-04	0.0	0.0	0.0
7	50	-1.98e-05	-2.15e-06	-1.14e-04	0.0	0.0	0.0
7	51	-1.98e-05	2.46e-06	-1.14e-04	0.0	0.0	0.0
7	52	-1.98e-05	-2.46e-06	-1.14e-04	0.0	0.0	0.0
7	53	-1.98e-05	2.46e-06	-1.14e-04	0.0	0.0	0.0
7	54	-1.98e-05	-2.46e-06	-1.14e-04	0.0	0.0	0.0
7	55	-1.98e-05	7.14e-06	-1.14e-04	0.0	0.0	0.0
7	56	-1.98e-05	-7.15e-06	-1.14e-04	0.0	0.0	0.0
7	57	-1.98e-05	7.15e-06	-1.14e-04	0.0	0.0	0.0
7	58	-1.98e-05	-7.14e-06	-1.14e-04	0.0	0.0	0.0
7	59	-1.98e-05	7.15e-06	-1.14e-04	0.0	0.0	0.0
7	60	-1.98e-05	-7.14e-06	-1.14e-04	0.0	0.0	0.0
7	61	-1.98e-05	7.14e-06	-1.14e-04	0.0	0.0	0.0
7	62	-1.98e-05	-7.15e-06	-1.14e-04	0.0	0.0	0.0
7	63	-1.98e-05	8.20e-06	-1.14e-04	0.0	0.0	0.0

7	64	-1.98e-05	-8.20e-06	-1.14e-04	0.0	0.0	0.0
7	65	-1.98e-05	8.20e-06	-1.14e-04	0.0	0.0	0.0
7	66	-1.98e-05	-8.20e-06	-1.14e-04	0.0	0.0	0.0
7	67	-1.98e-05	8.20e-06	-1.14e-04	0.0	0.0	0.0
7	68	-1.98e-05	-8.20e-06	-1.14e-04	0.0	0.0	0.0
7	69	-1.98e-05	8.20e-06	-1.14e-04	0.0	0.0	0.0
7	70	-1.98e-05	-8.20e-06	-1.14e-04	0.0	0.0	0.0
7	71	-1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
7	72	-1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
7	73	-1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
7	74	-1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
7	75	-1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
7	76	-1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
8	1	0.0	0.0	0.0	0.0	0.0	0.0
8	2	0.0	0.0	0.0	0.0	0.0	0.0
8	3	0.0	0.0	0.0	0.0	0.0	0.0
8	4	0.0	0.0	0.0	0.0	0.0	0.0
8	5	0.0	0.0	0.0	0.0	0.0	0.0
8	6	0.0	0.0	0.0	0.0	0.0	0.0
8	7	0.0	0.0	0.0	0.0	0.0	0.0
8	8	0.0	0.0	0.0	0.0	0.0	0.0
8	9	0.0	0.0	0.0	0.0	0.0	0.0
8	10	0.0	0.0	0.0	0.0	0.0	0.0
8	11	0.0	0.0	0.0	0.0	0.0	0.0
8	12	0.0	0.0	0.0	0.0	0.0	0.0
8	13	0.0	0.0	0.0	0.0	0.0	0.0
8	14	0.0	0.0	0.0	0.0	0.0	0.0
8	15	0.0	0.0	0.0	0.0	0.0	0.0
8	16	0.0	0.0	0.0	0.0	0.0	0.0
8	17	0.0	0.0	0.0	0.0	0.0	0.0
8	18	0.0	0.0	0.0	0.0	0.0	0.0
8	19	0.0	0.0	0.0	0.0	0.0	0.0
8	20	0.0	0.0	0.0	0.0	0.0	0.0
8	21	0.0	0.0	0.0	0.0	0.0	0.0
8	22	0.0	0.0	0.0	0.0	0.0	0.0
8	23	0.0	0.0	0.0	0.0	0.0	0.0
8	24	0.0	0.0	0.0	0.0	0.0	0.0
8	25	0.0	0.0	0.0	0.0	0.0	0.0
8	26	0.0	0.0	0.0	0.0	0.0	0.0
8	27	0.0	0.0	0.0	0.0	0.0	0.0
8	28	0.0	0.0	0.0	0.0	0.0	0.0
8	29	0.0	0.0	0.0	0.0	0.0	0.0
8	30	0.0	0.0	0.0	0.0	0.0	0.0
8	31	0.0	0.0	0.0	0.0	0.0	0.0
8	32	0.0	0.0	0.0	0.0	0.0	0.0
8	33	0.0	0.0	0.0	0.0	0.0	0.0
8	34	0.0	0.0	0.0	0.0	0.0	0.0
8	35	0.0	0.0	0.0	0.0	0.0	0.0
8	36	0.0	0.0	0.0	0.0	0.0	0.0
8	37	0.0	0.0	0.0	0.0	0.0	0.0
8	38	0.0	0.0	0.0	0.0	0.0	0.0
8	39	0.0	0.0	0.0	0.0	0.0	0.0
8	40	0.0	0.0	0.0	0.0	0.0	0.0
8	41	0.0	0.0	0.0	0.0	0.0	0.0
8	42	0.0	0.0	0.0	0.0	0.0	0.0
8	43	0.0	0.0	0.0	0.0	0.0	0.0
8	44	0.0	0.0	0.0	0.0	0.0	0.0
8	45	0.0	0.0	0.0	0.0	0.0	0.0
8	46	0.0	0.0	0.0	0.0	0.0	0.0
8	47	0.0	0.0	0.0	0.0	0.0	0.0
8	48	0.0	0.0	0.0	0.0	0.0	0.0
8	49	0.0	0.0	0.0	0.0	0.0	0.0
8	50	0.0	0.0	0.0	0.0	0.0	0.0
8	51	0.0	0.0	0.0	0.0	0.0	0.0
8	52	0.0	0.0	0.0	0.0	0.0	0.0
8	53	0.0	0.0	0.0	0.0	0.0	0.0
8	54	0.0	0.0	0.0	0.0	0.0	0.0
8	55	0.0	0.0	0.0	0.0	0.0	0.0
8	56	0.0	0.0	0.0	0.0	0.0	0.0
8	57	0.0	0.0	0.0	0.0	0.0	0.0
8	58	0.0	0.0	0.0	0.0	0.0	0.0
8	59	0.0	0.0	0.0	0.0	0.0	0.0
8	60	0.0	0.0	0.0	0.0	0.0	0.0
8	61	0.0	0.0	0.0	0.0	0.0	0.0
8	62	0.0	0.0	0.0	0.0	0.0	0.0
8	63	0.0	0.0	0.0	0.0	0.0	0.0
8	64	0.0	0.0	0.0	0.0	0.0	0.0

8	65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	66	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	71	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	74	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	76	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	1	-1.93e-05	2.18e-05	-1.32e-04	-2.06e-06	0.0	0.0	0.0
9	2	-1.93e-05	2.18e-05	-1.32e-04	-2.06e-06	0.0	0.0	0.0
9	3	-1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0	0.0
9	4	-1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0	0.0
9	5	-1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0	0.0
9	6	-1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0	0.0
9	7	-9.68e-05	2.91e-03	-2.96e-03	-1.76e-06	-7.34e-05	-7.23e-05	-7.23e-05
9	8	7.17e-06	-4.69e-04	3.85e-04	0.0	1.00e-05	1.05e-05	1.05e-05
9	9	-1.04e-04	3.17e-03	-3.22e-03	-1.76e-06	-8.01e-05	-7.90e-05	-7.90e-05
9	10	0.0	-2.03e-04	1.21e-04	0.0	3.31e-06	3.77e-06	3.77e-06
9	11	-9.67e-05	2.91e-03	-2.96e-03	-1.76e-06	-7.34e-05	-7.22e-05	-7.22e-05
9	12	7.14e-06	-4.70e-04	3.85e-04	0.0	1.00e-05	1.04e-05	1.04e-05
9	13	-1.04e-04	3.17e-03	-3.22e-03	-1.76e-06	-8.01e-05	-7.89e-05	-7.89e-05
9	14	0.0	-2.04e-04	1.22e-04	0.0	3.28e-06	3.67e-06	3.67e-06
9	15	-9.68e-05	2.91e-03	-2.96e-03	-1.75e-06	-7.34e-05	-7.23e-05	-7.23e-05
9	16	7.17e-06	-4.69e-04	3.85e-04	0.0	1.00e-05	1.05e-05	1.05e-05
9	17	-1.04e-04	3.17e-03	-3.22e-03	-1.77e-06	-8.01e-05	-7.90e-05	-7.90e-05
9	18	0.0	-2.03e-04	1.21e-04	0.0	3.31e-06	3.77e-06	3.77e-06
9	19	-9.67e-05	2.91e-03	-2.96e-03	-1.75e-06	-7.34e-05	-7.22e-05	-7.22e-05
9	20	7.14e-06	-4.70e-04	3.85e-04	0.0	1.00e-05	1.04e-05	1.04e-05
9	21	-1.04e-04	3.17e-03	-3.22e-03	-1.77e-06	-8.01e-05	-7.89e-05	-7.89e-05
9	22	0.0	-2.04e-04	1.22e-04	0.0	3.28e-06	3.67e-06	3.67e-06
9	23	-3.28e-04	0.01	-0.01	-2.21e-06	-2.80e-04	-2.77e-04	-2.77e-04
9	24	1.87e-05	-1.91e-04	1.20e-04	2.72e-06	-1.75e-06	-1.25e-06	-1.25e-06
9	25	-3.30e-04	0.01	-0.01	-2.21e-06	-2.82e-04	-2.79e-04	-2.79e-04
9	26	1.65e-05	-1.11e-04	4.12e-05	2.72e-06	-3.77e-06	-3.27e-06	-3.27e-06
9	27	-3.28e-04	0.01	-0.01	-2.21e-06	-2.80e-04	-2.77e-04	-2.77e-04
9	28	1.87e-05	-1.91e-04	1.20e-04	2.72e-06	-1.75e-06	-1.25e-06	-1.25e-06
9	29	-3.30e-04	0.01	-0.01	-2.22e-06	-2.82e-04	-2.79e-04	-2.79e-04
9	30	1.65e-05	-1.11e-04	4.12e-05	2.72e-06	-3.77e-06	-3.27e-06	-3.27e-06
9	31	-3.28e-04	0.01	-0.01	-2.23e-06	-2.80e-04	-2.77e-04	-2.77e-04
9	32	1.86e-05	-1.95e-04	1.21e-04	2.74e-06	-1.83e-06	-1.56e-06	-1.56e-06
9	33	-3.30e-04	0.01	-0.01	-2.23e-06	-2.82e-04	-2.79e-04	-2.79e-04
9	34	1.64e-05	-1.15e-04	4.22e-05	2.74e-06	-3.86e-06	-3.58e-06	-3.58e-06
9	35	-3.28e-04	0.01	-0.01	-2.23e-06	-2.80e-04	-2.77e-04	-2.77e-04
9	36	1.86e-05	-1.95e-04	1.21e-04	2.74e-06	-1.83e-06	-1.56e-06	-1.56e-06
9	37	-3.30e-04	0.01	-0.01	-2.23e-06	-2.82e-04	-2.79e-04	-2.79e-04
9	38	1.64e-05	-1.15e-04	4.22e-05	2.73e-06	-3.86e-06	-3.58e-06	-3.58e-06
9	39	-1.51e-05	1.90e-05	-1.01e-04	-1.60e-06	0.0	0.0	0.0
9	40	-1.45e-05	1.44e-05	-1.01e-04	-1.58e-06	0.0	0.0	0.0
9	41	-1.51e-05	1.90e-05	-1.01e-04	-1.59e-06	0.0	0.0	0.0
9	42	-1.45e-05	1.45e-05	-1.01e-04	-1.57e-06	0.0	0.0	0.0
9	43	-1.51e-05	1.94e-05	-1.01e-04	-1.60e-06	0.0	0.0	0.0
9	44	-1.45e-05	1.40e-05	-1.01e-04	-1.57e-06	0.0	0.0	0.0
9	45	-1.51e-05	1.95e-05	-1.02e-04	-1.59e-06	0.0	0.0	0.0
9	46	-1.45e-05	1.40e-05	-1.01e-04	-1.57e-06	0.0	0.0	0.0
9	47	-1.51e-05	1.90e-05	-1.01e-04	-1.59e-06	0.0	0.0	0.0
9	48	-1.45e-05	1.44e-05	-1.01e-04	-1.57e-06	0.0	0.0	0.0
9	49	-1.51e-05	1.90e-05	-1.01e-04	-1.60e-06	0.0	0.0	0.0
9	50	-1.45e-05	1.45e-05	-1.01e-04	-1.58e-06	0.0	0.0	0.0
9	51	-1.51e-05	1.94e-05	-1.01e-04	-1.59e-06	0.0	0.0	0.0
9	52	-1.45e-05	1.40e-05	-1.01e-04	-1.57e-06	0.0	0.0	0.0
9	53	-1.51e-05	1.95e-05	-1.02e-04	-1.60e-06	0.0	0.0	0.0
9	54	-1.45e-05	1.40e-05	-1.01e-04	-1.57e-06	0.0	0.0	0.0
9	55	-1.58e-05	2.43e-05	-1.02e-04	-1.62e-06	0.0	0.0	0.0
9	56	-1.38e-05	9.13e-06	-1.01e-04	-1.55e-06	0.0	0.0	0.0
9	57	-1.58e-05	2.43e-05	-1.02e-04	-1.62e-06	0.0	0.0	0.0
9	58	-1.38e-05	9.14e-06	-1.01e-04	-1.55e-06	0.0	0.0	0.0
9	59	-1.58e-05	2.43e-05	-1.02e-04	-1.62e-06	0.0	0.0	0.0
9	60	-1.38e-05	9.13e-06	-1.01e-04	-1.55e-06	0.0	0.0	0.0
9	61	-1.58e-05	2.43e-05	-1.02e-04	-1.62e-06	0.0	0.0	0.0
9	62	-1.38e-05	9.14e-06	-1.01e-04	-1.55e-06	0.0	0.0	0.0
9	63	-1.58e-05	2.58e-05	-1.02e-04	-1.62e-06	0.0	0.0	0.0
9	64	-1.39e-05	7.64e-06	-1.00e-04	-1.55e-06	0.0	0.0	0.0
9	65	-1.58e-05	2.58e-05	-1.02e-04	-1.62e-06	0.0	0.0	0.0

9	66	-1.39e-05	7.65e-06	-1.00e-04	-1.54e-06	0.0	0.0
9	67	-1.58e-05	2.58e-05	-1.02e-04	-1.62e-06	0.0	0.0
9	68	-1.39e-05	7.64e-06	-1.00e-04	-1.54e-06	0.0	0.0
9	69	-1.58e-05	2.58e-05	-1.02e-04	-1.62e-06	0.0	0.0
9	70	-1.39e-05	7.65e-06	-1.00e-04	-1.55e-06	0.0	0.0
9	71	-1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
9	72	-1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
9	73	-1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
9	74	-1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
9	75	-1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
9	76	-1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
10	1	0.0	0.0	0.0	0.0	0.0	0.0
10	2	0.0	0.0	0.0	0.0	0.0	0.0
10	3	0.0	0.0	0.0	0.0	0.0	0.0
10	4	0.0	0.0	0.0	0.0	0.0	0.0
10	5	0.0	0.0	0.0	0.0	0.0	0.0
10	6	0.0	0.0	0.0	0.0	0.0	0.0
10	7	0.0	0.0	0.0	0.0	0.0	0.0
10	8	0.0	0.0	0.0	0.0	0.0	0.0
10	9	0.0	0.0	0.0	0.0	0.0	0.0
10	10	0.0	0.0	0.0	0.0	0.0	0.0
10	11	0.0	0.0	0.0	0.0	0.0	0.0
10	12	0.0	0.0	0.0	0.0	0.0	0.0
10	13	0.0	0.0	0.0	0.0	0.0	0.0
10	14	0.0	0.0	0.0	0.0	0.0	0.0
10	15	0.0	0.0	0.0	0.0	0.0	0.0
10	16	0.0	0.0	0.0	0.0	0.0	0.0
10	17	0.0	0.0	0.0	0.0	0.0	0.0
10	18	0.0	0.0	0.0	0.0	0.0	0.0
10	19	0.0	0.0	0.0	0.0	0.0	0.0
10	20	0.0	0.0	0.0	0.0	0.0	0.0
10	21	0.0	0.0	0.0	0.0	0.0	0.0
10	22	0.0	0.0	0.0	0.0	0.0	0.0
10	23	0.0	0.0	0.0	0.0	0.0	0.0
10	24	0.0	0.0	0.0	0.0	0.0	0.0
10	25	0.0	0.0	0.0	0.0	0.0	0.0
10	26	0.0	0.0	0.0	0.0	0.0	0.0
10	27	0.0	0.0	0.0	0.0	0.0	0.0
10	28	0.0	0.0	0.0	0.0	0.0	0.0
10	29	0.0	0.0	0.0	0.0	0.0	0.0
10	30	0.0	0.0	0.0	0.0	0.0	0.0
10	31	0.0	0.0	0.0	0.0	0.0	0.0
10	32	0.0	0.0	0.0	0.0	0.0	0.0
10	33	0.0	0.0	0.0	0.0	0.0	0.0
10	34	0.0	0.0	0.0	0.0	0.0	0.0
10	35	0.0	0.0	0.0	0.0	0.0	0.0
10	36	0.0	0.0	0.0	0.0	0.0	0.0
10	37	0.0	0.0	0.0	0.0	0.0	0.0
10	38	0.0	0.0	0.0	0.0	0.0	0.0
10	39	0.0	0.0	0.0	0.0	0.0	0.0
10	40	0.0	0.0	0.0	0.0	0.0	0.0
10	41	0.0	0.0	0.0	0.0	0.0	0.0
10	42	0.0	0.0	0.0	0.0	0.0	0.0
10	43	0.0	0.0	0.0	0.0	0.0	0.0
10	44	0.0	0.0	0.0	0.0	0.0	0.0
10	45	0.0	0.0	0.0	0.0	0.0	0.0
10	46	0.0	0.0	0.0	0.0	0.0	0.0
10	47	0.0	0.0	0.0	0.0	0.0	0.0
10	48	0.0	0.0	0.0	0.0	0.0	0.0
10	49	0.0	0.0	0.0	0.0	0.0	0.0
10	50	0.0	0.0	0.0	0.0	0.0	0.0
10	51	0.0	0.0	0.0	0.0	0.0	0.0
10	52	0.0	0.0	0.0	0.0	0.0	0.0
10	53	0.0	0.0	0.0	0.0	0.0	0.0
10	54	0.0	0.0	0.0	0.0	0.0	0.0
10	55	0.0	0.0	0.0	0.0	0.0	0.0
10	56	0.0	0.0	0.0	0.0	0.0	0.0
10	57	0.0	0.0	0.0	0.0	0.0	0.0
10	58	0.0	0.0	0.0	0.0	0.0	0.0
10	59	0.0	0.0	0.0	0.0	0.0	0.0
10	60	0.0	0.0	0.0	0.0	0.0	0.0
10	61	0.0	0.0	0.0	0.0	0.0	0.0
10	62	0.0	0.0	0.0	0.0	0.0	0.0
10	63	0.0	0.0	0.0	0.0	0.0	0.0
10	64	0.0	0.0	0.0	0.0	0.0	0.0
10	65	0.0	0.0	0.0	0.0	0.0	0.0
10	66	0.0	0.0	0.0	0.0	0.0	0.0

10	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	71	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	74	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	76	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	1	0.0	0.0	-1.11e-04	-2.83e-06	0.0	0.0	0.0
11	2	0.0	0.0	-1.11e-04	-2.83e-06	0.0	0.0	0.0
11	3	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	4	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	5	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	6	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	7	-9.41e-05	4.12e-03	-8.52e-05	-2.18e-06	0.0	0.0	-1.02e-04
11	8	-2.69e-05	-4.96e-04	-1.38e-04	-2.01e-05	-2.27e-06	0.0	1.68e-05
11	9	-1.03e-04	4.50e-03	-8.52e-05	-2.18e-06	0.0	0.0	-1.12e-04
11	10	-3.55e-05	-1.17e-04	-1.38e-04	-2.01e-05	-2.27e-06	0.0	7.35e-06
11	11	-9.41e-05	4.12e-03	-8.52e-05	-2.18e-06	0.0	0.0	-1.02e-04
11	12	-2.70e-05	-4.98e-04	-1.38e-04	-2.01e-05	-2.27e-06	0.0	1.67e-05
11	13	-1.03e-04	4.50e-03	-8.52e-05	-2.18e-06	0.0	0.0	-1.12e-04
11	14	-3.56e-05	-1.18e-04	-1.38e-04	-2.01e-05	-2.27e-06	0.0	7.22e-06
11	15	-9.41e-05	4.12e-03	-8.52e-05	-2.18e-06	0.0	0.0	-1.02e-04
11	16	-2.69e-05	-4.96e-04	-1.38e-04	-2.01e-05	-2.27e-06	0.0	1.68e-05
11	17	-1.03e-04	4.50e-03	-8.52e-05	-2.18e-06	0.0	0.0	-1.12e-04
11	18	-3.55e-05	-1.17e-04	-1.38e-04	-2.01e-05	-2.27e-06	0.0	7.35e-06
11	19	-9.41e-05	4.12e-03	-8.52e-05	-2.18e-06	0.0	0.0	-1.02e-04
11	20	-2.70e-05	-4.98e-04	-1.38e-04	-2.01e-05	-2.27e-06	0.0	1.67e-05
11	21	-1.03e-04	4.50e-03	-8.52e-05	-2.18e-06	0.0	0.0	-1.12e-04
11	22	-3.56e-05	-1.18e-04	-1.38e-04	-2.01e-05	-2.27e-06	0.0	7.22e-06
11	23	-3.59e-04	0.02	-8.52e-05	-2.18e-06	0.0	0.0	-3.91e-04
11	24	-1.35e-04	3.60e-04	-2.62e-04	-6.18e-05	-6.49e-06	0.0	5.76e-06
11	25	-3.62e-04	0.02	-8.52e-05	-2.18e-06	0.0	0.0	-3.94e-04
11	26	-1.38e-04	4.74e-04	-2.62e-04	-6.18e-05	-6.49e-06	0.0	2.92e-06
11	27	-3.59e-04	0.02	-8.52e-05	-2.18e-06	0.0	0.0	-3.91e-04
11	28	-1.35e-04	3.60e-04	-2.62e-04	-6.18e-05	-6.49e-06	0.0	5.76e-06
11	29	-3.62e-04	0.02	-8.52e-05	-2.18e-06	0.0	0.0	-3.94e-04
11	30	-1.38e-04	4.74e-04	-2.62e-04	-6.18e-05	-6.49e-06	0.0	2.92e-06
11	31	-3.59e-04	0.02	-8.52e-05	-2.18e-06	0.0	0.0	-3.91e-04
11	32	-1.35e-04	3.55e-04	-2.62e-04	-6.18e-05	-6.49e-06	0.0	5.34e-06
11	33	-3.62e-04	0.02	-8.52e-05	-2.18e-06	0.0	0.0	-3.94e-04
11	34	-1.38e-04	4.69e-04	-2.62e-04	-6.18e-05	-6.49e-06	0.0	2.50e-06
11	35	-3.59e-04	0.02	-8.52e-05	-2.18e-06	0.0	0.0	-3.91e-04
11	36	-1.35e-04	3.55e-04	-2.62e-04	-6.18e-05	-6.49e-06	0.0	5.34e-06
11	37	-3.62e-04	0.02	-8.52e-05	-2.18e-06	0.0	0.0	-3.94e-04
11	38	-1.38e-04	4.69e-04	-2.62e-04	-6.18e-05	-6.49e-06	0.0	2.50e-06
11	39	0.0	2.35e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	40	0.0	-2.43e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	41	0.0	2.43e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	42	0.0	-2.35e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	43	0.0	2.94e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	44	0.0	-3.02e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	45	0.0	3.02e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	46	0.0	-2.94e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	47	0.0	2.35e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	48	0.0	-2.42e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	49	0.0	2.42e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	50	0.0	-2.35e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	51	0.0	2.95e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	52	0.0	-3.02e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	53	0.0	3.02e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	54	0.0	-2.95e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	55	-1.34e-06	7.95e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	56	1.34e-06	-7.97e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	57	-1.34e-06	7.97e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	58	1.34e-06	-7.95e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	59	-1.34e-06	7.95e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	60	1.34e-06	-7.97e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	61	-1.34e-06	7.97e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	62	1.34e-06	-7.95e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	63	-1.30e-06	9.93e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	64	1.30e-06	-9.95e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	65	-1.30e-06	9.95e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	66	1.30e-06	-9.93e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0
11	67	-1.30e-06	9.93e-06	-8.52e-05	-2.18e-06	0.0	0.0	0.0

11	68	1.30e-06	-9.95e-06	-8.52e-05	-2.18e-06	0.0	0.0
11	69	-1.30e-06	9.95e-06	-8.52e-05	-2.18e-06	0.0	0.0
11	70	1.30e-06	-9.93e-06	-8.52e-05	-2.18e-06	0.0	0.0
11	71	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0
11	72	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0
11	73	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0
11	74	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0
11	75	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0
11	76	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0
12	1	0.0	0.0	0.0	0.0	0.0	0.0
12	2	0.0	0.0	0.0	0.0	0.0	0.0
12	3	0.0	0.0	0.0	0.0	0.0	0.0
12	4	0.0	0.0	0.0	0.0	0.0	0.0
12	5	0.0	0.0	0.0	0.0	0.0	0.0
12	6	0.0	0.0	0.0	0.0	0.0	0.0
12	7	0.0	0.0	0.0	0.0	0.0	0.0
12	8	0.0	0.0	0.0	0.0	0.0	0.0
12	9	0.0	0.0	0.0	0.0	0.0	0.0
12	10	0.0	0.0	0.0	0.0	0.0	0.0
12	11	0.0	0.0	0.0	0.0	0.0	0.0
12	12	0.0	0.0	0.0	0.0	0.0	0.0
12	13	0.0	0.0	0.0	0.0	0.0	0.0
12	14	0.0	0.0	0.0	0.0	0.0	0.0
12	15	0.0	0.0	0.0	0.0	0.0	0.0
12	16	0.0	0.0	0.0	0.0	0.0	0.0
12	17	0.0	0.0	0.0	0.0	0.0	0.0
12	18	0.0	0.0	0.0	0.0	0.0	0.0
12	19	0.0	0.0	0.0	0.0	0.0	0.0
12	20	0.0	0.0	0.0	0.0	0.0	0.0
12	21	0.0	0.0	0.0	0.0	0.0	0.0
12	22	0.0	0.0	0.0	0.0	0.0	0.0
12	23	0.0	0.0	0.0	0.0	0.0	0.0
12	24	0.0	0.0	0.0	0.0	0.0	0.0
12	25	0.0	0.0	0.0	0.0	0.0	0.0
12	26	0.0	0.0	0.0	0.0	0.0	0.0
12	27	0.0	0.0	0.0	0.0	0.0	0.0
12	28	0.0	0.0	0.0	0.0	0.0	0.0
12	29	0.0	0.0	0.0	0.0	0.0	0.0
12	30	0.0	0.0	0.0	0.0	0.0	0.0
12	31	0.0	0.0	0.0	0.0	0.0	0.0
12	32	0.0	0.0	0.0	0.0	0.0	0.0
12	33	0.0	0.0	0.0	0.0	0.0	0.0
12	34	0.0	0.0	0.0	0.0	0.0	0.0
12	35	0.0	0.0	0.0	0.0	0.0	0.0
12	36	0.0	0.0	0.0	0.0	0.0	0.0
12	37	0.0	0.0	0.0	0.0	0.0	0.0
12	38	0.0	0.0	0.0	0.0	0.0	0.0
12	39	0.0	0.0	0.0	0.0	0.0	0.0
12	40	0.0	0.0	0.0	0.0	0.0	0.0
12	41	0.0	0.0	0.0	0.0	0.0	0.0
12	42	0.0	0.0	0.0	0.0	0.0	0.0
12	43	0.0	0.0	0.0	0.0	0.0	0.0
12	44	0.0	0.0	0.0	0.0	0.0	0.0
12	45	0.0	0.0	0.0	0.0	0.0	0.0
12	46	0.0	0.0	0.0	0.0	0.0	0.0
12	47	0.0	0.0	0.0	0.0	0.0	0.0
12	48	0.0	0.0	0.0	0.0	0.0	0.0
12	49	0.0	0.0	0.0	0.0	0.0	0.0
12	50	0.0	0.0	0.0	0.0	0.0	0.0
12	51	0.0	0.0	0.0	0.0	0.0	0.0
12	52	0.0	0.0	0.0	0.0	0.0	0.0
12	53	0.0	0.0	0.0	0.0	0.0	0.0
12	54	0.0	0.0	0.0	0.0	0.0	0.0
12	55	0.0	0.0	0.0	0.0	0.0	0.0
12	56	0.0	0.0	0.0	0.0	0.0	0.0
12	57	0.0	0.0	0.0	0.0	0.0	0.0
12	58	0.0	0.0	0.0	0.0	0.0	0.0
12	59	0.0	0.0	0.0	0.0	0.0	0.0
12	60	0.0	0.0	0.0	0.0	0.0	0.0
12	61	0.0	0.0	0.0	0.0	0.0	0.0
12	62	0.0	0.0	0.0	0.0	0.0	0.0
12	63	0.0	0.0	0.0	0.0	0.0	0.0
12	64	0.0	0.0	0.0	0.0	0.0	0.0
12	65	0.0	0.0	0.0	0.0	0.0	0.0
12	66	0.0	0.0	0.0	0.0	0.0	0.0
12	67	0.0	0.0	0.0	0.0	0.0	0.0
12	68	0.0	0.0	0.0	0.0	0.0	0.0

12	69	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	71	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	74	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	76	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	1	1.93e-05	-2.18e-05	-1.32e-04	-2.06e-06	0.0	0.0	0.0
13	2	1.93e-05	-2.18e-05	-1.32e-04	-2.06e-06	0.0	0.0	0.0
13	3	1.48e-05	-1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0	0.0
13	4	1.48e-05	-1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0	0.0
13	5	1.48e-05	-1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0	0.0
13	6	1.48e-05	-1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0	0.0
13	7	-6.71e-05	2.87e-03	2.76e-03	-1.41e-06	7.29e-05	-7.27e-05	-7.27e-05
13	8	-1.75e-04	2.88e-04	-4.09e-04	-2.80e-06	-2.67e-05	3.17e-05	3.17e-05
13	9	-7.46e-05	3.14e-03	3.02e-03	-1.41e-06	7.96e-05	-7.95e-05	-7.95e-05
13	10	-1.83e-04	5.54e-04	-1.45e-04	2.80e-06	-2.00e-05	2.50e-05	2.50e-05
13	11	-6.71e-05	2.87e-03	2.76e-03	-1.41e-06	7.29e-05	-7.26e-05	-7.26e-05
13	12	-1.75e-04	2.87e-04	-4.09e-04	-2.80e-06	-2.67e-05	3.16e-05	3.16e-05
13	13	-7.46e-05	3.14e-03	3.02e-03	-1.40e-06	7.96e-05	-7.94e-05	-7.94e-05
13	14	-1.83e-04	5.52e-04	-1.45e-04	2.80e-06	-2.00e-05	2.49e-05	2.49e-05
13	15	-6.71e-05	2.87e-03	2.76e-03	-1.42e-06	7.29e-05	-7.27e-05	-7.27e-05
13	16	-1.75e-04	2.88e-04	-4.09e-04	-2.79e-06	-2.67e-05	3.17e-05	3.17e-05
13	17	-7.46e-05	3.14e-03	3.02e-03	-1.40e-06	7.96e-05	-7.95e-05	-7.95e-05
13	18	-1.83e-04	5.54e-04	-1.45e-04	2.81e-06	-2.00e-05	2.50e-05	2.50e-05
13	19	-6.71e-05	2.87e-03	2.76e-03	-1.42e-06	7.29e-05	-7.26e-05	-7.26e-05
13	20	-1.75e-04	2.87e-04	-4.09e-04	-2.78e-06	-2.67e-05	3.16e-05	3.16e-05
13	21	-7.46e-05	3.14e-03	3.02e-03	-1.39e-06	7.96e-05	-7.94e-05	-7.94e-05
13	22	-1.83e-04	5.52e-04	-1.45e-04	2.81e-06	-2.00e-05	2.49e-05	2.49e-05
13	23	-2.98e-04	0.01	0.01	0.0	2.79e-04	-2.78e-04	-2.78e-04
13	24	-6.58e-04	2.41e-03	2.73e-04	1.31e-05	-5.27e-05	7.05e-05	7.05e-05
13	25	-3.00e-04	0.01	0.01	0.0	2.81e-04	-2.80e-04	-2.80e-04
13	26	-6.61e-04	2.49e-03	3.52e-04	1.31e-05	-5.07e-05	6.85e-05	6.85e-05
13	27	-2.98e-04	0.01	0.01	0.0	2.79e-04	-2.78e-04	-2.78e-04
13	28	-6.58e-04	2.41e-03	2.73e-04	1.31e-05	-5.27e-05	7.05e-05	7.05e-05
13	29	-3.00e-04	0.01	0.01	0.0	2.81e-04	-2.80e-04	-2.80e-04
13	30	-6.61e-04	2.49e-03	3.52e-04	1.31e-05	-5.07e-05	6.85e-05	6.85e-05
13	31	-2.98e-04	0.01	0.01	0.0	2.79e-04	-2.77e-04	-2.77e-04
13	32	-6.59e-04	2.41e-03	2.72e-04	1.31e-05	-5.26e-05	7.02e-05	7.02e-05
13	33	-3.00e-04	0.01	0.01	0.0	2.81e-04	-2.79e-04	-2.79e-04
13	34	-6.61e-04	2.49e-03	3.51e-04	1.31e-05	-5.06e-05	6.82e-05	6.82e-05
13	35	-2.98e-04	0.01	0.01	0.0	2.79e-04	-2.77e-04	-2.77e-04
13	36	-6.59e-04	2.41e-03	2.72e-04	1.31e-05	-5.26e-05	7.02e-05	7.02e-05
13	37	-3.00e-04	0.01	0.01	0.0	2.81e-04	-2.79e-04	-2.79e-04
13	38	-6.61e-04	2.49e-03	3.51e-04	1.31e-05	-5.06e-05	6.82e-05	6.82e-05
13	39	1.45e-05	-1.45e-05	-1.01e-04	-1.57e-06	0.0	0.0	0.0
13	40	1.51e-05	-1.90e-05	-1.01e-04	-1.59e-06	0.0	0.0	0.0
13	41	1.45e-05	-1.44e-05	-1.01e-04	-1.58e-06	0.0	0.0	0.0
13	42	1.51e-05	-1.90e-05	-1.01e-04	-1.60e-06	0.0	0.0	0.0
13	43	1.45e-05	-1.40e-05	-1.01e-04	-1.57e-06	0.0	0.0	0.0
13	44	1.51e-05	-1.95e-05	-1.02e-04	-1.59e-06	0.0	0.0	0.0
13	45	1.45e-05	-1.40e-05	-1.01e-04	-1.57e-06	0.0	0.0	0.0
13	46	1.51e-05	-1.94e-05	-1.01e-04	-1.60e-06	0.0	0.0	0.0
13	47	1.45e-05	-1.45e-05	-1.01e-04	-1.58e-06	0.0	0.0	0.0
13	48	1.51e-05	-1.90e-05	-1.01e-04	-1.60e-06	0.0	0.0	0.0
13	49	1.45e-05	-1.44e-05	-1.01e-04	-1.57e-06	0.0	0.0	0.0
13	50	1.51e-05	-1.90e-05	-1.01e-04	-1.59e-06	0.0	0.0	0.0
13	51	1.45e-05	-1.40e-05	-1.01e-04	-1.57e-06	0.0	0.0	0.0
13	52	1.51e-05	-1.95e-05	-1.02e-04	-1.60e-06	0.0	0.0	0.0
13	53	1.45e-05	-1.40e-05	-1.01e-04	-1.57e-06	0.0	0.0	0.0
13	54	1.51e-05	-1.94e-05	-1.01e-04	-1.59e-06	0.0	0.0	0.0
13	55	1.38e-05	-9.14e-06	-1.01e-04	-1.55e-06	0.0	0.0	0.0
13	56	1.58e-05	-2.43e-05	-1.02e-04	-1.62e-06	0.0	0.0	0.0
13	57	1.38e-05	-9.13e-06	-1.01e-04	-1.55e-06	0.0	0.0	0.0
13	58	1.58e-05	-2.43e-05	-1.02e-04	-1.62e-06	0.0	0.0	0.0
13	59	1.38e-05	-9.14e-06	-1.01e-04	-1.55e-06	0.0	0.0	0.0
13	60	1.58e-05	-2.43e-05	-1.02e-04	-1.62e-06	0.0	0.0	0.0
13	61	1.38e-05	-9.13e-06	-1.01e-04	-1.55e-06	0.0	0.0	0.0
13	62	1.58e-05	-2.43e-05	-1.02e-04	-1.62e-06	0.0	0.0	0.0
13	63	1.39e-05	-7.65e-06	-1.00e-04	-1.54e-06	0.0	0.0	0.0
13	64	1.58e-05	-2.58e-05	-1.02e-04	-1.62e-06	0.0	0.0	0.0
13	65	1.39e-05	-7.64e-06	-1.00e-04	-1.55e-06	0.0	0.0	0.0
13	66	1.58e-05	-2.58e-05	-1.02e-04	-1.62e-06	0.0	0.0	0.0
13	67	1.39e-05	-7.65e-06	-1.00e-04	-1.55e-06	0.0	0.0	0.0
13	68	1.58e-05	-2.58e-05	-1.02e-04	-1.62e-06	0.0	0.0	0.0
13	69	1.39e-05	-7.64e-06	-1.00e-04	-1.54e-06	0.0	0.0	0.0



14	71	0.0	0.0	0.0	0.0	0.0	0.0
14	72	0.0	0.0	0.0	0.0	0.0	0.0
14	73	0.0	0.0	0.0	0.0	0.0	0.0
14	74	0.0	0.0	0.0	0.0	0.0	0.0
14	75	0.0	0.0	0.0	0.0	0.0	0.0
14	76	0.0	0.0	0.0	0.0	0.0	0.0
15	1	2.58e-05	0.0	-1.48e-04	0.0	0.0	0.0
15	2	2.58e-05	0.0	-1.48e-04	0.0	0.0	0.0
15	3	1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
15	4	1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
15	5	1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
15	6	1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
15	7	-5.07e-05	5.76e-06	3.90e-03	0.0	1.04e-04	0.0
15	8	5.28e-04	-5.79e-06	-3.19e-03	0.0	1.09e-05	0.0
15	9	-5.72e-05	5.79e-06	4.27e-03	0.0	1.13e-04	0.0
15	10	5.21e-04	-5.76e-06	-2.82e-03	0.0	2.05e-05	0.0
15	11	-5.07e-05	6.62e-06	3.90e-03	0.0	1.04e-04	0.0
15	12	5.28e-04	-6.65e-06	-3.19e-03	0.0	1.09e-05	0.0
15	13	-5.72e-05	6.65e-06	4.27e-03	0.0	1.13e-04	0.0
15	14	5.21e-04	-6.62e-06	-2.82e-03	0.0	2.05e-05	0.0
15	15	-5.07e-05	5.79e-06	3.90e-03	0.0	1.04e-04	0.0
15	16	5.28e-04	-5.76e-06	-3.19e-03	0.0	1.09e-05	0.0
15	17	-5.72e-05	5.76e-06	4.27e-03	0.0	1.13e-04	0.0
15	18	5.21e-04	-5.79e-06	-2.82e-03	0.0	2.05e-05	0.0
15	19	-5.07e-05	6.65e-06	3.90e-03	0.0	1.04e-04	0.0
15	20	5.28e-04	-6.62e-06	-3.19e-03	0.0	1.09e-05	0.0
15	21	-5.72e-05	6.62e-06	4.27e-03	0.0	1.13e-04	0.0
15	22	5.21e-04	-6.65e-06	-2.82e-03	0.0	2.05e-05	0.0
15	23	-2.50e-04	1.93e-05	0.02	0.0	3.97e-04	1.33e-06
15	24	1.68e-03	-1.93e-05	-8.41e-03	0.0	8.74e-05	-1.33e-06
15	25	-2.52e-04	1.93e-05	0.02	0.0	4.00e-04	1.33e-06
15	26	1.68e-03	-1.93e-05	-8.30e-03	0.0	9.02e-05	-1.33e-06
15	27	-2.50e-04	1.93e-05	0.02	0.0	3.97e-04	1.33e-06
15	28	1.68e-03	-1.93e-05	-8.41e-03	0.0	8.74e-05	-1.33e-06
15	29	-2.52e-04	1.93e-05	0.02	0.0	4.00e-04	1.33e-06
15	30	1.68e-03	-1.93e-05	-8.30e-03	0.0	9.02e-05	-1.33e-06
15	31	-2.50e-04	2.21e-05	0.02	0.0	3.97e-04	1.55e-06
15	32	1.68e-03	-2.21e-05	-8.41e-03	0.0	8.74e-05	-1.55e-06
15	33	-2.52e-04	2.21e-05	0.02	0.0	4.00e-04	1.55e-06
15	34	1.68e-03	-2.21e-05	-8.30e-03	0.0	9.02e-05	-1.55e-06
15	35	-2.50e-04	2.21e-05	0.02	0.0	3.97e-04	1.55e-06
15	36	1.68e-03	-2.21e-05	-8.41e-03	0.0	8.74e-05	-1.55e-06
15	37	-2.52e-04	2.21e-05	0.02	0.0	4.00e-04	1.55e-06
15	38	1.68e-03	-2.21e-05	-8.30e-03	0.0	9.02e-05	-1.55e-06
15	39	1.98e-05	2.14e-06	-1.14e-04	0.0	0.0	0.0
15	40	1.98e-05	-2.15e-06	-1.14e-04	0.0	0.0	0.0
15	41	1.98e-05	2.15e-06	-1.14e-04	0.0	0.0	0.0
15	42	1.98e-05	-2.14e-06	-1.14e-04	0.0	0.0	0.0
15	43	1.98e-05	2.45e-06	-1.14e-04	0.0	0.0	0.0
15	44	1.98e-05	-2.47e-06	-1.14e-04	0.0	0.0	0.0
15	45	1.98e-05	2.47e-06	-1.14e-04	0.0	0.0	0.0
15	46	1.98e-05	-2.45e-06	-1.14e-04	0.0	0.0	0.0
15	47	1.98e-05	2.15e-06	-1.14e-04	0.0	0.0	0.0
15	48	1.98e-05	-2.14e-06	-1.14e-04	0.0	0.0	0.0
15	49	1.98e-05	2.14e-06	-1.14e-04	0.0	0.0	0.0
15	50	1.98e-05	-2.15e-06	-1.14e-04	0.0	0.0	0.0
15	51	1.98e-05	2.47e-06	-1.14e-04	0.0	0.0	0.0
15	52	1.98e-05	-2.46e-06	-1.14e-04	0.0	0.0	0.0
15	53	1.98e-05	2.46e-06	-1.14e-04	0.0	0.0	0.0
15	54	1.98e-05	-2.47e-06	-1.14e-04	0.0	0.0	0.0
15	55	1.98e-05	7.14e-06	-1.14e-04	0.0	0.0	0.0
15	56	1.98e-05	-7.14e-06	-1.14e-04	0.0	0.0	0.0
15	57	1.98e-05	7.14e-06	-1.14e-04	0.0	0.0	0.0
15	58	1.98e-05	-7.14e-06	-1.14e-04	0.0	0.0	0.0
15	59	1.98e-05	7.14e-06	-1.14e-04	0.0	0.0	0.0
15	60	1.98e-05	-7.14e-06	-1.14e-04	0.0	0.0	0.0
15	61	1.98e-05	7.14e-06	-1.14e-04	0.0	0.0	0.0
15	62	1.98e-05	-7.14e-06	-1.14e-04	0.0	0.0	0.0
15	63	1.98e-05	8.20e-06	-1.14e-04	0.0	0.0	0.0
15	64	1.98e-05	-8.20e-06	-1.14e-04	0.0	0.0	0.0
15	65	1.98e-05	8.20e-06	-1.14e-04	0.0	0.0	0.0
15	66	1.98e-05	-8.20e-06	-1.14e-04	0.0	0.0	0.0
15	67	1.98e-05	8.20e-06	-1.14e-04	0.0	0.0	0.0
15	68	1.98e-05	-8.20e-06	-1.14e-04	0.0	0.0	0.0
15	69	1.98e-05	8.20e-06	-1.14e-04	0.0	0.0	0.0
15	70	1.98e-05	-8.20e-06	-1.14e-04	0.0	0.0	0.0
15	71	1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0



16	73	0.0	0.0	0.0	0.0	0.0	0.0
16	74	0.0	0.0	0.0	0.0	0.0	0.0
16	75	0.0	0.0	0.0	0.0	0.0	0.0
16	76	0.0	0.0	0.0	0.0	0.0	0.0
17	1	1.82e-05	2.38e-05	-2.13e-04	1.27e-06	0.0	0.0
17	2	1.82e-05	2.38e-05	-2.13e-04	1.27e-06	0.0	0.0
17	3	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
17	4	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
17	5	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
17	6	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
17	7	6.06e-05	-2.97e-03	2.79e-03	0.0	5.22e-05	5.18e-05
17	8	-2.32e-04	-1.18e-03	-1.67e-04	-4.36e-05	-2.62e-05	-3.68e-05
17	9	6.48e-05	-3.25e-03	3.06e-03	0.0	5.70e-05	5.66e-05
17	10	-2.28e-04	-1.45e-03	1.06e-04	-4.37e-05	-2.14e-05	-3.21e-05
17	11	6.05e-05	-2.97e-03	2.79e-03	0.0	5.22e-05	5.17e-05
17	12	-2.32e-04	-1.18e-03	-1.66e-04	-4.36e-05	-2.62e-05	-3.67e-05
17	13	6.47e-05	-3.25e-03	3.06e-03	0.0	5.70e-05	5.64e-05
17	14	-2.28e-04	-1.46e-03	1.06e-04	-4.37e-05	-2.14e-05	-3.19e-05
17	15	6.06e-05	-2.97e-03	2.79e-03	0.0	5.22e-05	5.18e-05
17	16	-2.32e-04	-1.18e-03	-1.67e-04	-4.36e-05	-2.62e-05	-3.68e-05
17	17	6.48e-05	-3.25e-03	3.06e-03	0.0	5.70e-05	5.66e-05
17	18	-2.28e-04	-1.45e-03	1.06e-04	-4.37e-05	-2.14e-05	-3.21e-05
17	19	6.05e-05	-2.97e-03	2.79e-03	0.0	5.22e-05	5.17e-05
17	20	-2.32e-04	-1.18e-03	-1.66e-04	-4.36e-05	-2.62e-05	-3.67e-05
17	21	6.47e-05	-3.25e-03	3.06e-03	0.0	5.70e-05	5.64e-05
17	22	-2.28e-04	-1.46e-03	1.06e-04	-4.37e-05	-2.14e-05	-3.19e-05
17	23	1.92e-04	-0.01	0.01	-4.99e-06	1.99e-04	1.98e-04
17	24	-7.85e-04	-5.43e-03	1.27e-03	-1.48e-04	-6.22e-05	-9.78e-05
17	25	1.93e-04	-0.01	0.01	-5.04e-06	2.00e-04	1.99e-04
17	26	-7.84e-04	-5.52e-03	1.35e-03	-1.48e-04	-6.08e-05	-9.63e-05
17	27	1.92e-04	-0.01	0.01	-5.00e-06	1.99e-04	1.98e-04
17	28	-7.85e-04	-5.43e-03	1.27e-03	-1.48e-04	-6.22e-05	-9.78e-05
17	29	1.93e-04	-0.01	0.01	-5.04e-06	2.00e-04	1.99e-04
17	30	-7.84e-04	-5.52e-03	1.35e-03	-1.48e-04	-6.08e-05	-9.63e-05
17	31	1.91e-04	-0.01	0.01	-4.96e-06	1.99e-04	1.97e-04
17	32	-7.85e-04	-5.44e-03	1.27e-03	-1.48e-04	-6.22e-05	-9.73e-05
17	33	1.93e-04	-0.01	0.01	-5.01e-06	2.00e-04	1.99e-04
17	34	-7.83e-04	-5.52e-03	1.36e-03	-1.48e-04	-6.08e-05	-9.58e-05
17	35	1.91e-04	-0.01	0.01	-4.97e-06	1.99e-04	1.97e-04
17	36	-7.85e-04	-5.44e-03	1.27e-03	-1.48e-04	-6.22e-05	-9.73e-05
17	37	1.93e-04	-0.01	0.01	-5.01e-06	2.00e-04	1.99e-04
17	38	-7.83e-04	-5.52e-03	1.36e-03	-1.48e-04	-6.08e-05	-9.58e-05
17	39	1.44e-05	2.30e-05	-1.64e-04	0.0	0.0	0.0
17	40	1.37e-05	1.37e-05	-1.63e-04	0.0	0.0	0.0
17	41	1.44e-05	2.30e-05	-1.64e-04	0.0	0.0	0.0
17	42	1.37e-05	1.36e-05	-1.63e-04	0.0	0.0	0.0
17	43	1.44e-05	2.37e-05	-1.65e-04	1.00e-06	0.0	0.0
17	44	1.37e-05	1.30e-05	-1.63e-04	0.0	0.0	0.0
17	45	1.44e-05	2.37e-05	-1.65e-04	0.0	0.0	0.0
17	46	1.37e-05	1.30e-05	-1.63e-04	0.0	0.0	0.0
17	47	1.44e-05	2.30e-05	-1.64e-04	0.0	0.0	0.0
17	48	1.37e-05	1.37e-05	-1.63e-04	0.0	0.0	0.0
17	49	1.44e-05	2.30e-05	-1.64e-04	0.0	0.0	0.0
17	50	1.37e-05	1.36e-05	-1.63e-04	0.0	0.0	0.0
17	51	1.44e-05	2.37e-05	-1.65e-04	0.0	0.0	0.0
17	52	1.37e-05	1.30e-05	-1.63e-04	0.0	0.0	0.0
17	53	1.44e-05	2.37e-05	-1.65e-04	1.00e-06	0.0	0.0
17	54	1.37e-05	1.30e-05	-1.63e-04	0.0	0.0	0.0
17	55	1.53e-05	3.40e-05	-1.66e-04	1.04e-06	0.0	0.0
17	56	1.28e-05	2.72e-06	-1.62e-04	0.0	0.0	0.0
17	57	1.53e-05	3.39e-05	-1.66e-04	1.04e-06	0.0	0.0
17	58	1.28e-05	2.71e-06	-1.62e-04	0.0	0.0	0.0
17	59	1.53e-05	3.40e-05	-1.66e-04	1.04e-06	0.0	0.0
17	60	1.28e-05	2.72e-06	-1.62e-04	0.0	0.0	0.0
17	61	1.53e-05	3.39e-05	-1.66e-04	1.04e-06	0.0	0.0
17	62	1.28e-05	2.71e-06	-1.62e-04	0.0	0.0	0.0
17	63	1.51e-05	3.62e-05	-1.66e-04	1.05e-06	0.0	0.0
17	64	1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
17	65	1.51e-05	3.62e-05	-1.66e-04	1.05e-06	0.0	0.0
17	66	1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
17	67	1.51e-05	3.62e-05	-1.66e-04	1.05e-06	0.0	0.0
17	68	1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
17	69	1.51e-05	3.62e-05	-1.66e-04	1.05e-06	0.0	0.0
17	70	1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
17	71	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
17	72	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
17	73	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0

17	74	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
17	75	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
17	76	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
18	1	0.0	0.0	-1.91e-04	1.54e-06	0.0	0.0
18	2	0.0	0.0	-1.91e-04	1.54e-06	0.0	0.0
18	3	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
18	4	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
18	5	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
18	6	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
18	7	3.47e-05	-4.30e-03	-1.47e-04	1.18e-06	0.0	7.23e-05
18	8	-4.39e-05	4.17e-04	-2.08e-04	4.15e-05	-2.42e-06	-1.07e-05
18	9	3.78e-05	-4.69e-03	-1.47e-04	1.18e-06	0.0	7.89e-05
18	10	-4.08e-05	1.94e-05	-2.08e-04	4.15e-05	-2.42e-06	-4.02e-06
18	11	3.46e-05	-4.29e-03	-1.47e-04	1.18e-06	0.0	7.23e-05
18	12	-4.37e-05	4.14e-04	-2.08e-04	4.15e-05	-2.42e-06	-1.07e-05
18	13	3.76e-05	-4.69e-03	-1.47e-04	1.18e-06	0.0	7.90e-05
18	14	-4.07e-05	1.69e-05	-2.08e-04	4.15e-05	-2.42e-06	-4.07e-06
18	15	3.47e-05	-4.30e-03	-1.47e-04	1.18e-06	0.0	7.23e-05
18	16	-4.39e-05	4.17e-04	-2.08e-04	4.15e-05	-2.42e-06	-1.07e-05
18	17	3.78e-05	-4.69e-03	-1.47e-04	1.18e-06	0.0	7.89e-05
18	18	-4.08e-05	1.94e-05	-2.08e-04	4.15e-05	-2.42e-06	-4.02e-06
18	19	3.46e-05	-4.29e-03	-1.47e-04	1.18e-06	0.0	7.23e-05
18	20	-4.37e-05	4.14e-04	-2.08e-04	4.15e-05	-2.42e-06	-1.07e-05
18	21	3.76e-05	-4.69e-03	-1.47e-04	1.18e-06	0.0	7.90e-05
18	22	-4.07e-05	1.69e-05	-2.08e-04	4.15e-05	-2.42e-06	-4.07e-06
18	23	1.32e-04	-0.02	-1.47e-04	1.18e-06	0.0	2.76e-04
18	24	-1.30e-04	-7.19e-04	-3.50e-04	1.35e-04	-8.23e-06	0.0
18	25	1.33e-04	-0.02	-1.47e-04	1.18e-06	0.0	2.78e-04
18	26	-1.29e-04	-8.39e-04	-3.50e-04	1.35e-04	-8.23e-06	1.76e-06
18	27	1.32e-04	-0.02	-1.47e-04	1.18e-06	0.0	2.76e-04
18	28	-1.30e-04	-7.19e-04	-3.50e-04	1.35e-04	-8.23e-06	0.0
18	29	1.33e-04	-0.02	-1.47e-04	1.18e-06	0.0	2.78e-04
18	30	-1.29e-04	-8.39e-04	-3.50e-04	1.35e-04	-8.23e-06	1.76e-06
18	31	1.32e-04	-0.02	-1.47e-04	1.18e-06	0.0	2.76e-04
18	32	-1.29e-04	-7.28e-04	-3.50e-04	1.35e-04	-8.23e-06	0.0
18	33	1.32e-04	-0.02	-1.47e-04	1.18e-06	0.0	2.78e-04
18	34	-1.29e-04	-8.47e-04	-3.50e-04	1.35e-04	-8.23e-06	1.60e-06
18	35	1.32e-04	-0.02	-1.47e-04	1.18e-06	0.0	2.76e-04
18	36	-1.29e-04	-7.28e-04	-3.50e-04	1.35e-04	-8.23e-06	0.0
18	37	1.32e-04	-0.02	-1.47e-04	1.18e-06	0.0	2.78e-04
18	38	-1.29e-04	-8.47e-04	-3.50e-04	1.35e-04	-8.23e-06	1.60e-06
18	39	0.0	5.16e-06	-1.47e-04	1.18e-06	0.0	0.0
18	40	0.0	-5.04e-06	-1.47e-04	1.18e-06	0.0	0.0
18	41	0.0	5.04e-06	-1.47e-04	1.18e-06	0.0	0.0
18	42	0.0	-5.16e-06	-1.47e-04	1.18e-06	0.0	0.0
18	43	0.0	6.09e-06	-1.47e-04	1.18e-06	0.0	0.0
18	44	0.0	-5.97e-06	-1.47e-04	1.18e-06	0.0	0.0
18	45	0.0	5.97e-06	-1.47e-04	1.18e-06	0.0	0.0
18	46	0.0	-6.09e-06	-1.47e-04	1.18e-06	0.0	0.0
18	47	0.0	5.16e-06	-1.47e-04	1.18e-06	0.0	0.0
18	48	0.0	-5.04e-06	-1.47e-04	1.18e-06	0.0	0.0
18	49	0.0	5.04e-06	-1.47e-04	1.18e-06	0.0	0.0
18	50	0.0	-5.16e-06	-1.47e-04	1.18e-06	0.0	0.0
18	51	0.0	6.09e-06	-1.47e-04	1.18e-06	0.0	0.0
18	52	0.0	-5.98e-06	-1.47e-04	1.18e-06	0.0	0.0
18	53	0.0	5.98e-06	-1.47e-04	1.18e-06	0.0	0.0
18	54	0.0	-6.09e-06	-1.47e-04	1.18e-06	0.0	0.0
18	55	1.70e-06	1.70e-05	-1.47e-04	1.18e-06	0.0	0.0
18	56	-1.70e-06	-1.70e-05	-1.47e-04	1.18e-06	0.0	0.0
18	57	1.70e-06	1.70e-05	-1.47e-04	1.18e-06	0.0	0.0
18	58	-1.70e-06	-1.70e-05	-1.47e-04	1.18e-06	0.0	0.0
18	59	1.70e-06	1.70e-05	-1.47e-04	1.18e-06	0.0	0.0
18	60	-1.70e-06	-1.70e-05	-1.47e-04	1.18e-06	0.0	0.0
18	61	1.70e-06	1.70e-05	-1.47e-04	1.18e-06	0.0	0.0
18	62	-1.70e-06	-1.70e-05	-1.47e-04	1.18e-06	0.0	0.0
18	63	1.52e-06	2.01e-05	-1.47e-04	1.18e-06	0.0	0.0
18	64	-1.52e-06	-2.01e-05	-1.47e-04	1.18e-06	0.0	0.0
18	65	1.52e-06	2.01e-05	-1.47e-04	1.18e-06	0.0	0.0
18	66	-1.52e-06	-2.01e-05	-1.47e-04	1.18e-06	0.0	0.0
18	67	1.52e-06	2.01e-05	-1.47e-04	1.18e-06	0.0	0.0
18	68	-1.52e-06	-2.01e-05	-1.47e-04	1.18e-06	0.0	0.0
18	69	1.52e-06	2.01e-05	-1.47e-04	1.18e-06	0.0	0.0
18	70	-1.52e-06	-2.01e-05	-1.47e-04	1.18e-06	0.0	0.0
18	71	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
18	72	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
18	73	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
18	74	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0

18	75	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
18	76	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
19	1	-1.82e-05	-2.38e-05	-2.13e-04	1.27e-06	0.0	0.0
19	2	-1.82e-05	-2.38e-05	-2.13e-04	1.27e-06	0.0	0.0
19	3	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
19	4	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
19	5	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
19	6	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
19	7	3.26e-05	-3.01e-03	-3.12e-03	2.52e-06	-5.18e-05	5.15e-05
19	8	-1.19e-05	4.89e-04	3.73e-04	-2.20e-06	6.73e-06	-7.27e-06
19	9	3.68e-05	-3.28e-03	-3.39e-03	2.69e-06	-5.66e-05	5.63e-05
19	10	-7.69e-06	2.12e-04	1.00e-04	-2.03e-06	1.94e-06	-2.51e-06
19	11	3.25e-05	-3.01e-03	-3.12e-03	2.51e-06	-5.18e-05	5.14e-05
19	12	-1.18e-05	4.87e-04	3.72e-04	-2.19e-06	6.73e-06	-7.12e-06
19	13	3.67e-05	-3.28e-03	-3.39e-03	2.68e-06	-5.66e-05	5.61e-05
19	14	-7.59e-06	2.11e-04	9.98e-05	-2.03e-06	1.93e-06	-2.36e-06
19	15	3.26e-05	-3.01e-03	-3.12e-03	2.54e-06	-5.18e-05	5.15e-05
19	16	-1.19e-05	4.89e-04	3.73e-04	-2.18e-06	6.73e-06	-7.27e-06
19	17	3.68e-05	-3.28e-03	-3.39e-03	2.67e-06	-5.66e-05	5.63e-05
19	18	-7.68e-06	2.12e-04	1.00e-04	-2.05e-06	1.93e-06	-2.51e-06
19	19	3.25e-05	-3.01e-03	-3.12e-03	2.53e-06	-5.18e-05	5.14e-05
19	20	-1.18e-05	4.87e-04	3.72e-04	-2.17e-06	6.73e-06	-7.12e-06
19	21	3.67e-05	-3.28e-03	-3.39e-03	2.66e-06	-5.66e-05	5.61e-05
19	22	-7.59e-06	2.11e-04	9.98e-05	-2.04e-06	1.93e-06	-2.36e-06
19	23	1.64e-04	-0.01	-0.01	6.94e-06	-1.99e-04	1.97e-04
19	24	1.54e-05	2.05e-04	1.80e-04	-8.80e-06	-3.46e-06	1.34e-06
19	25	1.65e-04	-0.01	-0.01	6.99e-06	-2.00e-04	1.99e-04
19	26	1.67e-05	1.21e-04	9.78e-05	-8.75e-06	-4.90e-06	2.77e-06
19	27	1.64e-04	-0.01	-0.01	6.95e-06	-1.99e-04	1.97e-04
19	28	1.54e-05	2.04e-04	1.80e-04	-8.79e-06	-3.46e-06	1.34e-06
19	29	1.65e-04	-0.01	-0.01	6.99e-06	-2.00e-04	1.99e-04
19	30	1.67e-05	1.21e-04	9.78e-05	-8.75e-06	-4.90e-06	2.77e-06
19	31	1.63e-04	-0.01	-0.01	6.92e-06	-1.99e-04	1.97e-04
19	32	1.58e-05	1.98e-04	1.78e-04	-8.77e-06	-3.47e-06	1.84e-06
19	33	1.65e-04	-0.01	-0.01	6.97e-06	-2.00e-04	1.98e-04
19	34	1.70e-05	1.15e-04	9.60e-05	-8.72e-06	-4.91e-06	3.27e-06
19	35	1.63e-04	-0.01	-0.01	6.92e-06	-1.99e-04	1.97e-04
19	36	1.58e-05	1.98e-04	1.78e-04	-8.77e-06	-3.47e-06	1.84e-06
19	37	1.65e-04	-0.01	-0.01	6.96e-06	-2.00e-04	1.98e-04
19	38	1.70e-05	1.15e-04	9.60e-05	-8.73e-06	-4.91e-06	3.27e-06
19	39	-1.37e-05	-1.36e-05	-1.63e-04	0.0	0.0	0.0
19	40	-1.44e-05	-2.30e-05	-1.64e-04	0.0	0.0	0.0
19	41	-1.37e-05	-1.37e-05	-1.63e-04	0.0	0.0	0.0
19	42	-1.44e-05	-2.31e-05	-1.65e-04	0.0	0.0	0.0
19	43	-1.37e-05	-1.30e-05	-1.63e-04	0.0	0.0	0.0
19	44	-1.44e-05	-2.37e-05	-1.65e-04	0.0	0.0	0.0
19	45	-1.37e-05	-1.30e-05	-1.63e-04	0.0	0.0	0.0
19	46	-1.44e-05	-2.37e-05	-1.65e-04	1.00e-06	0.0	0.0
19	47	-1.37e-05	-1.36e-05	-1.63e-04	0.0	0.0	0.0
19	48	-1.44e-05	-2.30e-05	-1.64e-04	0.0	0.0	0.0
19	49	-1.37e-05	-1.37e-05	-1.63e-04	0.0	0.0	0.0
19	50	-1.44e-05	-2.30e-05	-1.64e-04	0.0	0.0	0.0
19	51	-1.37e-05	-1.30e-05	-1.63e-04	0.0	0.0	0.0
19	52	-1.44e-05	-2.37e-05	-1.65e-04	1.00e-06	0.0	0.0
19	53	-1.37e-05	-1.30e-05	-1.63e-04	0.0	0.0	0.0
19	54	-1.44e-05	-2.37e-05	-1.65e-04	0.0	0.0	0.0
19	55	-1.28e-05	-2.70e-06	-1.62e-04	0.0	0.0	0.0
19	56	-1.53e-05	-3.40e-05	-1.66e-04	1.04e-06	0.0	0.0
19	57	-1.28e-05	-2.71e-06	-1.62e-04	0.0	0.0	0.0
19	58	-1.53e-05	-3.40e-05	-1.66e-04	1.04e-06	0.0	0.0
19	59	-1.28e-05	-2.70e-06	-1.62e-04	0.0	0.0	0.0
19	60	-1.53e-05	-3.40e-05	-1.66e-04	1.04e-06	0.0	0.0
19	61	-1.28e-05	-2.71e-06	-1.62e-04	0.0	0.0	0.0
19	62	-1.53e-05	-3.40e-05	-1.66e-04	1.04e-06	0.0	0.0
19	63	-1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
19	64	-1.51e-05	-3.62e-05	-1.66e-04	1.05e-06	0.0	0.0
19	65	-1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
19	66	-1.51e-05	-3.62e-05	-1.66e-04	1.05e-06	0.0	0.0
19	67	-1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
19	68	-1.51e-05	-3.62e-05	-1.66e-04	1.05e-06	0.0	0.0
19	69	-1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
19	70	-1.51e-05	-3.62e-05	-1.66e-04	1.05e-06	0.0	0.0
19	71	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
19	72	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
19	73	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
19	74	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
19	75	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0

19	76	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
20	1	-2.41e-05	0.0	-2.26e-04	0.0	0.0	0.0
20	2	-2.41e-05	0.0	-2.26e-04	0.0	0.0	0.0
20	3	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
20	4	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
20	5	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
20	6	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
20	7	3.78e-05	1.13e-05	-4.30e-03	0.0	-7.38e-05	0.0
20	8	-3.17e-05	-1.13e-05	4.65e-04	0.0	1.27e-05	0.0
20	9	4.30e-05	1.13e-05	-4.68e-03	0.0	-8.06e-05	0.0
20	10	-2.65e-05	-1.13e-05	8.50e-05	0.0	5.90e-06	0.0
20	11	3.78e-05	1.24e-05	-4.30e-03	0.0	-7.38e-05	0.0
20	12	-3.17e-05	-1.25e-05	4.65e-04	0.0	1.27e-05	0.0
20	13	4.30e-05	1.25e-05	-4.68e-03	0.0	-8.06e-05	0.0
20	14	-2.65e-05	-1.24e-05	8.50e-05	0.0	5.90e-06	0.0
20	15	3.78e-05	1.13e-05	-4.30e-03	0.0	-7.38e-05	0.0
20	16	-3.17e-05	-1.13e-05	4.65e-04	0.0	1.27e-05	0.0
20	17	4.30e-05	1.13e-05	-4.68e-03	0.0	-8.06e-05	0.0
20	18	-2.65e-05	-1.13e-05	8.50e-05	0.0	5.90e-06	0.0
20	19	3.78e-05	1.25e-05	-4.30e-03	0.0	-7.38e-05	0.0
20	20	-3.17e-05	-1.25e-05	4.65e-04	0.0	1.27e-05	0.0
20	21	4.30e-05	1.25e-05	-4.68e-03	0.0	-8.06e-05	0.0
20	22	-2.65e-05	-1.25e-05	8.50e-05	0.0	5.90e-06	0.0
20	23	1.97e-04	3.76e-05	-0.02	0.0	-2.83e-04	0.0
20	24	-3.47e-05	-3.76e-05	-6.25e-05	0.0	5.70e-06	0.0
20	25	1.98e-04	3.76e-05	-0.02	0.0	-2.85e-04	0.0
20	26	-3.32e-05	-3.76e-05	-1.76e-04	0.0	3.66e-06	0.0
20	27	1.97e-04	3.76e-05	-0.02	0.0	-2.83e-04	0.0
20	28	-3.47e-05	-3.76e-05	-6.25e-05	0.0	5.70e-06	0.0
20	29	1.98e-04	3.76e-05	-0.02	0.0	-2.85e-04	0.0
20	30	-3.32e-05	-3.76e-05	-1.76e-04	0.0	3.66e-06	0.0
20	31	1.97e-04	4.16e-05	-0.02	0.0	-2.83e-04	0.0
20	32	-3.47e-05	-4.16e-05	-6.24e-05	0.0	5.71e-06	0.0
20	33	1.98e-04	4.16e-05	-0.02	0.0	-2.85e-04	0.0
20	34	-3.32e-05	-4.16e-05	-1.76e-04	0.0	3.66e-06	0.0
20	35	1.97e-04	4.16e-05	-0.02	0.0	-2.83e-04	0.0
20	36	-3.47e-05	-4.16e-05	-6.24e-05	0.0	5.71e-06	0.0
20	37	1.98e-04	4.16e-05	-0.02	0.0	-2.85e-04	0.0
20	38	-3.32e-05	-4.16e-05	-1.76e-04	0.0	3.66e-06	0.0
20	39	-1.86e-05	4.18e-06	-1.74e-04	0.0	0.0	0.0
20	40	-1.86e-05	-4.20e-06	-1.74e-04	0.0	0.0	0.0
20	41	-1.86e-05	4.20e-06	-1.74e-04	0.0	0.0	0.0
20	42	-1.86e-05	-4.18e-06	-1.74e-04	0.0	0.0	0.0
20	43	-1.86e-05	4.62e-06	-1.74e-04	0.0	0.0	0.0
20	44	-1.86e-05	-4.64e-06	-1.74e-04	0.0	0.0	0.0
20	45	-1.86e-05	4.64e-06	-1.74e-04	0.0	0.0	0.0
20	46	-1.86e-05	-4.62e-06	-1.74e-04	0.0	0.0	0.0
20	47	-1.86e-05	4.19e-06	-1.74e-04	0.0	0.0	0.0
20	48	-1.86e-05	-4.18e-06	-1.74e-04	0.0	0.0	0.0
20	49	-1.86e-05	4.18e-06	-1.74e-04	0.0	0.0	0.0
20	50	-1.86e-05	-4.19e-06	-1.74e-04	0.0	0.0	0.0
20	51	-1.86e-05	4.63e-06	-1.74e-04	0.0	0.0	0.0
20	52	-1.86e-05	-4.62e-06	-1.74e-04	0.0	0.0	0.0
20	53	-1.86e-05	4.62e-06	-1.74e-04	0.0	0.0	0.0
20	54	-1.86e-05	-4.63e-06	-1.74e-04	0.0	0.0	0.0
20	55	-1.86e-05	1.40e-05	-1.74e-04	0.0	0.0	0.0
20	56	-1.86e-05	-1.40e-05	-1.74e-04	0.0	0.0	0.0
20	57	-1.86e-05	1.40e-05	-1.74e-04	0.0	0.0	0.0
20	58	-1.86e-05	-1.40e-05	-1.74e-04	0.0	0.0	0.0
20	59	-1.86e-05	1.40e-05	-1.74e-04	0.0	0.0	0.0
20	60	-1.86e-05	-1.40e-05	-1.74e-04	0.0	0.0	0.0
20	61	-1.86e-05	1.40e-05	-1.74e-04	0.0	0.0	0.0
20	62	-1.86e-05	-1.40e-05	-1.74e-04	0.0	0.0	0.0
20	63	-1.86e-05	1.54e-05	-1.74e-04	0.0	0.0	0.0
20	64	-1.86e-05	-1.54e-05	-1.74e-04	0.0	0.0	0.0
20	65	-1.86e-05	1.54e-05	-1.74e-04	0.0	0.0	0.0
20	66	-1.86e-05	-1.54e-05	-1.74e-04	0.0	0.0	0.0
20	67	-1.86e-05	1.54e-05	-1.74e-04	0.0	0.0	0.0
20	68	-1.86e-05	-1.54e-05	-1.74e-04	0.0	0.0	0.0
20	69	-1.86e-05	1.54e-05	-1.74e-04	0.0	0.0	0.0
20	70	-1.86e-05	-1.54e-05	-1.74e-04	0.0	0.0	0.0
20	71	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
20	72	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
20	73	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
20	74	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
20	75	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
20	76	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0

21	1	-1.82e-05	2.38e-05	-2.13e-04	-1.27e-06	0.0	0.0
21	2	-1.82e-05	2.38e-05	-2.13e-04	-1.27e-06	0.0	0.0
21	3	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
21	4	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
21	5	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
21	6	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
21	7	3.06e-05	3.03e-03	-3.12e-03	-2.64e-06	-5.18e-05	-5.13e-05
21	8	-9.89e-06	-5.14e-04	3.76e-04	2.28e-06	6.75e-06	7.07e-06
21	9	3.48e-05	3.31e-03	-3.39e-03	-2.77e-06	-5.66e-05	-5.61e-05
21	10	-5.69e-06	-2.38e-04	1.03e-04	2.16e-06	1.96e-06	2.32e-06
21	11	3.07e-05	3.03e-03	-3.12e-03	-2.65e-06	-5.18e-05	-5.15e-05
21	12	-9.99e-06	-5.16e-04	3.76e-04	2.29e-06	6.76e-06	7.22e-06
21	13	3.49e-05	3.31e-03	-3.39e-03	-2.78e-06	-5.66e-05	-5.63e-05
21	14	-5.79e-06	-2.39e-04	1.04e-04	2.16e-06	1.96e-06	2.47e-06
21	15	3.06e-05	3.03e-03	-3.12e-03	-2.63e-06	-5.18e-05	-5.13e-05
21	16	-9.89e-06	-5.14e-04	3.76e-04	2.30e-06	6.75e-06	7.07e-06
21	17	3.48e-05	3.31e-03	-3.39e-03	-2.79e-06	-5.66e-05	-5.61e-05
21	18	-5.69e-06	-2.38e-04	1.03e-04	2.14e-06	1.96e-06	2.32e-06
21	19	3.07e-05	3.03e-03	-3.12e-03	-2.63e-06	-5.18e-05	-5.15e-05
21	20	-9.99e-06	-5.16e-04	3.76e-04	2.31e-06	6.76e-06	7.22e-06
21	21	3.49e-05	3.31e-03	-3.39e-03	-2.80e-06	-5.66e-05	-5.63e-05
21	22	-5.79e-06	-2.39e-04	1.04e-04	2.15e-06	1.96e-06	2.47e-06
21	23	1.57e-04	0.01	-0.01	-7.29e-06	-1.99e-04	-1.97e-04
21	24	2.21e-05	-2.89e-04	1.89e-04	9.14e-06	-3.39e-06	-1.99e-06
21	25	1.58e-04	0.01	-0.01	-7.33e-06	-2.00e-04	-1.98e-04
21	26	2.33e-05	-2.06e-04	1.08e-04	9.10e-06	-4.83e-06	-3.41e-06
21	27	1.57e-04	0.01	-0.01	-7.29e-06	-1.99e-04	-1.97e-04
21	28	2.21e-05	-2.89e-04	1.89e-04	9.14e-06	-3.39e-06	-1.99e-06
21	29	1.58e-04	0.01	-0.01	-7.34e-06	-2.00e-04	-1.98e-04
21	30	2.33e-05	-2.06e-04	1.08e-04	9.09e-06	-4.83e-06	-3.41e-06
21	31	1.57e-04	0.01	-0.01	-7.32e-06	-1.99e-04	-1.97e-04
21	32	2.17e-05	-2.95e-04	1.91e-04	9.16e-06	-3.37e-06	-1.49e-06
21	33	1.59e-04	0.01	-0.01	-7.36e-06	-2.00e-04	-1.99e-04
21	34	2.30e-05	-2.12e-04	1.10e-04	9.12e-06	-4.81e-06	-2.91e-06
21	35	1.57e-04	0.01	-0.01	-7.31e-06	-1.99e-04	-1.97e-04
21	36	2.17e-05	-2.95e-04	1.91e-04	9.17e-06	-3.37e-06	-1.49e-06
21	37	1.59e-04	0.01	-0.01	-7.36e-06	-2.00e-04	-1.99e-04
21	38	2.30e-05	-2.12e-04	1.10e-04	9.12e-06	-4.81e-06	-2.91e-06
21	39	-1.44e-05	2.30e-05	-1.64e-04	0.0	0.0	0.0
21	40	-1.37e-05	1.36e-05	-1.63e-04	0.0	0.0	0.0
21	41	-1.44e-05	2.30e-05	-1.65e-04	0.0	0.0	0.0
21	42	-1.37e-05	1.37e-05	-1.63e-04	0.0	0.0	0.0
21	43	-1.44e-05	2.37e-05	-1.65e-04	-1.00e-06	0.0	0.0
21	44	-1.37e-05	1.30e-05	-1.63e-04	0.0	0.0	0.0
21	45	-1.44e-05	2.37e-05	-1.65e-04	0.0	0.0	0.0
21	46	-1.37e-05	1.30e-05	-1.63e-04	0.0	0.0	0.0
21	47	-1.44e-05	2.30e-05	-1.64e-04	0.0	0.0	0.0
21	48	-1.37e-05	1.36e-05	-1.63e-04	0.0	0.0	0.0
21	49	-1.44e-05	2.30e-05	-1.65e-04	0.0	0.0	0.0
21	50	-1.37e-05	1.37e-05	-1.63e-04	0.0	0.0	0.0
21	51	-1.44e-05	2.37e-05	-1.65e-04	0.0	0.0	0.0
21	52	-1.37e-05	1.30e-05	-1.63e-04	0.0	0.0	0.0
21	53	-1.44e-05	2.37e-05	-1.65e-04	-1.00e-06	0.0	0.0
21	54	-1.37e-05	1.30e-05	-1.63e-04	0.0	0.0	0.0
21	55	-1.53e-05	3.40e-05	-1.66e-04	-1.04e-06	0.0	0.0
21	56	-1.28e-05	2.69e-06	-1.62e-04	0.0	0.0	0.0
21	57	-1.53e-05	3.40e-05	-1.66e-04	-1.04e-06	0.0	0.0
21	58	-1.28e-05	2.71e-06	-1.62e-04	0.0	0.0	0.0
21	59	-1.53e-05	3.40e-05	-1.66e-04	-1.04e-06	0.0	0.0
21	60	-1.28e-05	2.69e-06	-1.62e-04	0.0	0.0	0.0
21	61	-1.53e-05	3.40e-05	-1.66e-04	-1.04e-06	0.0	0.0
21	62	-1.28e-05	2.71e-06	-1.62e-04	0.0	0.0	0.0
21	63	-1.51e-05	3.62e-05	-1.66e-04	-1.05e-06	0.0	0.0
21	64	-1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
21	65	-1.51e-05	3.62e-05	-1.66e-04	-1.05e-06	0.0	0.0
21	66	-1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
21	67	-1.51e-05	3.62e-05	-1.66e-04	-1.05e-06	0.0	0.0
21	68	-1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
21	69	-1.51e-05	3.62e-05	-1.66e-04	-1.05e-06	0.0	0.0
21	70	-1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
21	71	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
21	72	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
21	73	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
21	74	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
21	75	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
21	76	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
22	1	0.0	0.0	-1.91e-04	-1.54e-06	0.0	0.0

22	2	0.0	0.0	-1.91e-04	-1.54e-06	0.0	0.0
22	3	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
22	4	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
22	5	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
22	6	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
22	7	3.20e-05	4.32e-03	-1.47e-04	-1.18e-06	0.0	-7.24e-05
22	8	-4.11e-05	-4.44e-04	-2.08e-04	-4.15e-05	-2.42e-06	1.09e-05
22	9	3.50e-05	4.72e-03	-1.47e-04	-1.18e-06	0.0	-7.91e-05
22	10	-3.81e-05	-4.69e-05	-2.08e-04	-4.15e-05	-2.42e-06	4.19e-06
22	11	3.21e-05	4.33e-03	-1.47e-04	-1.18e-06	0.0	-7.24e-05
22	12	-4.13e-05	-4.47e-04	-2.08e-04	-4.15e-05	-2.42e-06	1.08e-05
22	13	3.52e-05	4.72e-03	-1.47e-04	-1.18e-06	0.0	-7.91e-05
22	14	-3.82e-05	-4.94e-05	-2.08e-04	-4.15e-05	-2.42e-06	4.14e-06
22	15	3.20e-05	4.32e-03	-1.47e-04	-1.18e-06	0.0	-7.24e-05
22	16	-4.11e-05	-4.44e-04	-2.08e-04	-4.15e-05	-2.42e-06	1.09e-05
22	17	3.50e-05	4.72e-03	-1.47e-04	-1.18e-06	0.0	-7.91e-05
22	18	-3.81e-05	-4.69e-05	-2.08e-04	-4.15e-05	-2.42e-06	4.19e-06
22	19	3.21e-05	4.33e-03	-1.47e-04	-1.18e-06	0.0	-7.24e-05
22	20	-4.13e-05	-4.47e-04	-2.08e-04	-4.15e-05	-2.42e-06	1.08e-05
22	21	3.52e-05	4.72e-03	-1.47e-04	-1.18e-06	0.0	-7.91e-05
22	22	-3.82e-05	-4.94e-05	-2.08e-04	-4.15e-05	-2.42e-06	4.14e-06
22	23	1.23e-04	0.02	-1.47e-04	-1.18e-06	0.0	-2.77e-04
22	24	-1.21e-04	6.28e-04	-3.50e-04	-1.35e-04	-8.23e-06	0.0
22	25	1.24e-04	0.02	-1.47e-04	-1.18e-06	0.0	-2.79e-04
22	26	-1.20e-04	7.47e-04	-3.50e-04	-1.35e-04	-8.23e-06	-1.19e-06
22	27	1.23e-04	0.02	-1.47e-04	-1.18e-06	0.0	-2.77e-04
22	28	-1.21e-04	6.28e-04	-3.50e-04	-1.35e-04	-8.23e-06	0.0
22	29	1.24e-04	0.02	-1.47e-04	-1.18e-06	0.0	-2.79e-04
22	30	-1.20e-04	7.47e-04	-3.50e-04	-1.35e-04	-8.23e-06	-1.19e-06
22	31	1.23e-04	0.02	-1.47e-04	-1.18e-06	0.0	-2.77e-04
22	32	-1.21e-04	6.19e-04	-3.50e-04	-1.35e-04	-8.23e-06	0.0
22	33	1.24e-04	0.02	-1.47e-04	-1.18e-06	0.0	-2.79e-04
22	34	-1.20e-04	7.38e-04	-3.50e-04	-1.35e-04	-8.23e-06	-1.35e-06
22	35	1.23e-04	0.02	-1.47e-04	-1.18e-06	0.0	-2.77e-04
22	36	-1.21e-04	6.19e-04	-3.50e-04	-1.35e-04	-8.23e-06	0.0
22	37	1.24e-04	0.02	-1.47e-04	-1.18e-06	0.0	-2.79e-04
22	38	-1.20e-04	7.38e-04	-3.50e-04	-1.35e-04	-8.23e-06	-1.35e-06
22	39	0.0	5.05e-06	-1.47e-04	-1.18e-06	0.0	0.0
22	40	0.0	-5.17e-06	-1.47e-04	-1.18e-06	0.0	0.0
22	41	0.0	5.17e-06	-1.47e-04	-1.18e-06	0.0	0.0
22	42	0.0	-5.05e-06	-1.47e-04	-1.18e-06	0.0	0.0
22	43	0.0	5.97e-06	-1.47e-04	-1.18e-06	0.0	0.0
22	44	0.0	-6.10e-06	-1.47e-04	-1.18e-06	0.0	0.0
22	45	0.0	6.10e-06	-1.47e-04	-1.18e-06	0.0	0.0
22	46	0.0	-5.97e-06	-1.47e-04	-1.18e-06	0.0	0.0
22	47	0.0	5.05e-06	-1.47e-04	-1.18e-06	0.0	0.0
22	48	0.0	-5.16e-06	-1.47e-04	-1.18e-06	0.0	0.0
22	49	0.0	5.16e-06	-1.47e-04	-1.18e-06	0.0	0.0
22	50	0.0	-5.05e-06	-1.47e-04	-1.18e-06	0.0	0.0
22	51	0.0	5.98e-06	-1.47e-04	-1.18e-06	0.0	0.0
22	52	0.0	-6.09e-06	-1.47e-04	-1.18e-06	0.0	0.0
22	53	0.0	6.09e-06	-1.47e-04	-1.18e-06	0.0	0.0
22	54	0.0	-5.98e-06	-1.47e-04	-1.18e-06	0.0	0.0
22	55	-1.69e-06	1.70e-05	-1.47e-04	-1.18e-06	0.0	0.0
22	56	1.70e-06	-1.70e-05	-1.47e-04	-1.18e-06	0.0	0.0
22	57	-1.70e-06	1.70e-05	-1.47e-04	-1.18e-06	0.0	0.0
22	58	1.69e-06	-1.70e-05	-1.47e-04	-1.18e-06	0.0	0.0
22	59	-1.69e-06	1.70e-05	-1.47e-04	-1.18e-06	0.0	0.0
22	60	1.70e-06	-1.70e-05	-1.47e-04	-1.18e-06	0.0	0.0
22	61	-1.70e-06	1.70e-05	-1.47e-04	-1.18e-06	0.0	0.0
22	62	1.69e-06	-1.70e-05	-1.47e-04	-1.18e-06	0.0	0.0
22	63	-1.52e-06	2.01e-05	-1.47e-04	-1.18e-06	0.0	0.0
22	64	1.52e-06	-2.01e-05	-1.47e-04	-1.18e-06	0.0	0.0
22	65	-1.52e-06	2.01e-05	-1.47e-04	-1.18e-06	0.0	0.0
22	66	1.52e-06	-2.01e-05	-1.47e-04	-1.18e-06	0.0	0.0
22	67	-1.52e-06	2.01e-05	-1.47e-04	-1.18e-06	0.0	0.0
22	68	1.52e-06	-2.01e-05	-1.47e-04	-1.18e-06	0.0	0.0
22	69	-1.52e-06	2.01e-05	-1.47e-04	-1.18e-06	0.0	0.0
22	70	1.52e-06	-2.01e-05	-1.47e-04	-1.18e-06	0.0	0.0
22	71	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
22	72	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
22	73	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
22	74	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
22	75	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
22	76	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
23	1	1.82e-05	-2.38e-05	-2.13e-04	-1.27e-06	0.0	0.0
23	2	1.82e-05	-2.38e-05	-2.13e-04	-1.27e-06	0.0	0.0

23	3	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
23	4	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
23	5	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
23	6	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
23	7	5.86e-05	3.00e-03	2.79e-03	0.0	5.22e-05	-5.16e-05
23	8	-2.30e-04	1.15e-03	-1.70e-04	4.35e-05	-2.62e-05	3.66e-05
23	9	6.28e-05	3.27e-03	3.06e-03	0.0	5.70e-05	-5.64e-05
23	10	-2.26e-04	1.43e-03	1.03e-04	4.36e-05	-2.14e-05	3.19e-05
23	11	5.87e-05	3.00e-03	2.79e-03	0.0	5.22e-05	-5.18e-05
23	12	-2.30e-04	1.15e-03	-1.70e-04	4.35e-05	-2.62e-05	3.68e-05
23	13	6.29e-05	3.27e-03	3.07e-03	0.0	5.70e-05	-5.65e-05
23	14	-2.26e-04	1.43e-03	1.02e-04	4.36e-05	-2.14e-05	3.20e-05
23	15	5.86e-05	3.00e-03	2.79e-03	0.0	5.22e-05	-5.16e-05
23	16	-2.30e-04	1.15e-03	-1.70e-04	4.35e-05	-2.62e-05	3.66e-05
23	17	6.28e-05	3.27e-03	3.06e-03	0.0	5.70e-05	-5.64e-05
23	18	-2.26e-04	1.43e-03	1.03e-04	4.36e-05	-2.14e-05	3.19e-05
23	19	5.87e-05	3.00e-03	2.79e-03	0.0	5.22e-05	-5.18e-05
23	20	-2.30e-04	1.15e-03	-1.70e-04	4.34e-05	-2.62e-05	3.68e-05
23	21	6.29e-05	3.27e-03	3.07e-03	0.0	5.70e-05	-5.65e-05
23	22	-2.26e-04	1.43e-03	1.02e-04	4.36e-05	-2.14e-05	3.20e-05
23	23	1.85e-04	0.01	0.01	5.34e-06	1.99e-04	-1.97e-04
23	24	-7.78e-04	5.35e-03	1.26e-03	1.48e-04	-6.23e-05	9.71e-05
23	25	1.86e-04	0.01	0.01	5.38e-06	2.00e-04	-1.98e-04
23	26	-7.77e-04	5.43e-03	1.34e-03	1.48e-04	-6.08e-05	9.57e-05
23	27	1.85e-04	0.01	0.01	5.33e-06	1.99e-04	-1.97e-04
23	28	-7.78e-04	5.35e-03	1.26e-03	1.48e-04	-6.23e-05	9.71e-05
23	29	1.86e-04	0.01	0.01	5.38e-06	2.00e-04	-1.98e-04
23	30	-7.77e-04	5.43e-03	1.34e-03	1.48e-04	-6.08e-05	9.57e-05
23	31	1.85e-04	0.01	0.01	5.37e-06	1.99e-04	-1.98e-04
23	32	-7.79e-04	5.34e-03	1.26e-03	1.48e-04	-6.23e-05	9.76e-05
23	33	1.87e-04	0.01	0.01	5.41e-06	2.00e-04	-1.99e-04
23	34	-7.77e-04	5.43e-03	1.34e-03	1.48e-04	-6.09e-05	9.62e-05
23	35	1.85e-04	0.01	0.01	5.36e-06	1.99e-04	-1.98e-04
23	36	-7.79e-04	5.34e-03	1.26e-03	1.48e-04	-6.23e-05	9.76e-05
23	37	1.87e-04	0.01	0.01	5.41e-06	2.00e-04	-1.99e-04
23	38	-7.77e-04	5.43e-03	1.34e-03	1.48e-04	-6.09e-05	9.62e-05
23	39	1.37e-05	-1.37e-05	-1.63e-04	0.0	0.0	0.0
23	40	1.44e-05	-2.30e-05	-1.64e-04	0.0	0.0	0.0
23	41	1.37e-05	-1.36e-05	-1.63e-04	0.0	0.0	0.0
23	42	1.44e-05	-2.30e-05	-1.64e-04	0.0	0.0	0.0
23	43	1.37e-05	-1.30e-05	-1.63e-04	0.0	0.0	0.0
23	44	1.44e-05	-2.37e-05	-1.65e-04	0.0	0.0	0.0
23	45	1.37e-05	-1.30e-05	-1.63e-04	0.0	0.0	0.0
23	46	1.44e-05	-2.37e-05	-1.65e-04	-1.00e-06	0.0	0.0
23	47	1.37e-05	-1.37e-05	-1.63e-04	0.0	0.0	0.0
23	48	1.44e-05	-2.30e-05	-1.64e-04	0.0	0.0	0.0
23	49	1.37e-05	-1.36e-05	-1.63e-04	0.0	0.0	0.0
23	50	1.44e-05	-2.30e-05	-1.64e-04	0.0	0.0	0.0
23	51	1.37e-05	-1.30e-05	-1.63e-04	0.0	0.0	0.0
23	52	1.44e-05	-2.37e-05	-1.65e-04	-1.00e-06	0.0	0.0
23	53	1.37e-05	-1.30e-05	-1.63e-04	0.0	0.0	0.0
23	54	1.44e-05	-2.37e-05	-1.65e-04	0.0	0.0	0.0
23	55	1.28e-05	-2.72e-06	-1.62e-04	0.0	0.0	0.0
23	56	1.53e-05	-3.40e-05	-1.66e-04	-1.04e-06	0.0	0.0
23	57	1.28e-05	-2.71e-06	-1.62e-04	0.0	0.0	0.0
23	58	1.53e-05	-3.39e-05	-1.66e-04	-1.04e-06	0.0	0.0
23	59	1.28e-05	-2.72e-06	-1.62e-04	0.0	0.0	0.0
23	60	1.53e-05	-3.40e-05	-1.66e-04	-1.04e-06	0.0	0.0
23	61	1.28e-05	-2.71e-06	-1.62e-04	0.0	0.0	0.0
23	62	1.53e-05	-3.39e-05	-1.66e-04	-1.04e-06	0.0	0.0
23	63	1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
23	64	1.51e-05	-3.62e-05	-1.66e-04	-1.05e-06	0.0	0.0
23	65	1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
23	66	1.51e-05	-3.62e-05	-1.66e-04	-1.05e-06	0.0	0.0
23	67	1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
23	68	1.51e-05	-3.62e-05	-1.66e-04	-1.05e-06	0.0	0.0
23	69	1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
23	70	1.51e-05	-3.62e-05	-1.66e-04	-1.05e-06	0.0	0.0
23	71	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
23	72	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
23	73	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
23	74	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
23	75	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
23	76	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
24	1	2.41e-05	0.0	-2.26e-04	0.0	0.0	0.0
24	2	2.41e-05	0.0	-2.26e-04	0.0	0.0	0.0
24	3	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0

24	4	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
24	5	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
24	6	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
24	7	7.49e-05	1.13e-05	3.95e-03	0.0	7.42e-05	0.0
24	8	5.33e-04	-1.13e-05	-5.12e-03	0.0	3.43e-05	0.0
24	9	8.01e-05	1.13e-05	4.33e-03	0.0	8.10e-05	0.0
24	10	5.38e-04	-1.13e-05	-4.74e-03	0.0	4.11e-05	0.0
24	11	7.49e-05	1.24e-05	3.95e-03	0.0	7.42e-05	0.0
24	12	5.33e-04	-1.25e-05	-5.12e-03	0.0	3.43e-05	0.0
24	13	8.01e-05	1.25e-05	4.33e-03	0.0	8.10e-05	0.0
24	14	5.38e-04	-1.24e-05	-4.74e-03	0.0	4.11e-05	0.0
24	15	7.49e-05	1.13e-05	3.95e-03	0.0	7.42e-05	0.0
24	16	5.33e-04	-1.13e-05	-5.12e-03	0.0	3.43e-05	0.0
24	17	8.01e-05	1.13e-05	4.33e-03	0.0	8.10e-05	0.0
24	18	5.38e-04	-1.13e-05	-4.74e-03	0.0	4.11e-05	0.0
24	19	7.49e-05	1.25e-05	3.95e-03	0.0	7.42e-05	0.0
24	20	5.33e-04	-1.25e-05	-5.12e-03	0.0	3.43e-05	0.0
24	21	8.01e-05	1.25e-05	4.33e-03	0.0	8.10e-05	0.0
24	22	5.38e-04	-1.25e-05	-4.74e-03	0.0	4.11e-05	0.0
24	23	2.34e-04	3.76e-05	0.02	0.0	2.83e-04	0.0
24	24	1.76e-03	-3.76e-05	-0.01	0.0	1.50e-04	0.0
24	25	2.36e-04	3.76e-05	0.02	0.0	2.85e-04	0.0
24	26	1.76e-03	-3.76e-05	-0.01	0.0	1.52e-04	0.0
24	27	2.34e-04	3.76e-05	0.02	0.0	2.83e-04	0.0
24	28	1.76e-03	-3.76e-05	-0.01	0.0	1.50e-04	0.0
24	29	2.36e-04	3.76e-05	0.02	0.0	2.85e-04	0.0
24	30	1.76e-03	-3.76e-05	-0.01	0.0	1.52e-04	0.0
24	31	2.34e-04	4.16e-05	0.02	0.0	2.83e-04	0.0
24	32	1.76e-03	-4.16e-05	-0.01	0.0	1.50e-04	0.0
24	33	2.36e-04	4.16e-05	0.02	0.0	2.85e-04	0.0
24	34	1.76e-03	-4.16e-05	-0.01	0.0	1.52e-04	0.0
24	35	2.34e-04	4.16e-05	0.02	0.0	2.83e-04	0.0
24	36	1.76e-03	-4.16e-05	-0.01	0.0	1.50e-04	0.0
24	37	2.36e-04	4.16e-05	0.02	0.0	2.85e-04	0.0
24	38	1.76e-03	-4.16e-05	-0.01	0.0	1.52e-04	0.0
24	39	1.86e-05	4.18e-06	-1.74e-04	0.0	0.0	0.0
24	40	1.86e-05	-4.20e-06	-1.74e-04	0.0	0.0	0.0
24	41	1.86e-05	4.20e-06	-1.74e-04	0.0	0.0	0.0
24	42	1.86e-05	-4.18e-06	-1.74e-04	0.0	0.0	0.0
24	43	1.86e-05	4.62e-06	-1.74e-04	0.0	0.0	0.0
24	44	1.86e-05	-4.64e-06	-1.74e-04	0.0	0.0	0.0
24	45	1.86e-05	4.64e-06	-1.74e-04	0.0	0.0	0.0
24	46	1.86e-05	-4.62e-06	-1.74e-04	0.0	0.0	0.0
24	47	1.86e-05	4.19e-06	-1.74e-04	0.0	0.0	0.0
24	48	1.86e-05	-4.18e-06	-1.74e-04	0.0	0.0	0.0
24	49	1.86e-05	4.18e-06	-1.74e-04	0.0	0.0	0.0
24	50	1.86e-05	-4.19e-06	-1.74e-04	0.0	0.0	0.0
24	51	1.86e-05	4.63e-06	-1.74e-04	0.0	0.0	0.0
24	52	1.86e-05	-4.62e-06	-1.74e-04	0.0	0.0	0.0
24	53	1.86e-05	4.62e-06	-1.74e-04	0.0	0.0	0.0
24	54	1.86e-05	-4.63e-06	-1.74e-04	0.0	0.0	0.0
24	55	1.86e-05	1.40e-05	-1.74e-04	0.0	0.0	0.0
24	56	1.86e-05	-1.40e-05	-1.74e-04	0.0	0.0	0.0
24	57	1.86e-05	1.40e-05	-1.74e-04	0.0	0.0	0.0
24	58	1.86e-05	-1.40e-05	-1.74e-04	0.0	0.0	0.0
24	59	1.86e-05	1.40e-05	-1.74e-04	0.0	0.0	0.0
24	60	1.86e-05	-1.40e-05	-1.74e-04	0.0	0.0	0.0
24	61	1.86e-05	1.40e-05	-1.74e-04	0.0	0.0	0.0
24	62	1.86e-05	-1.40e-05	-1.74e-04	0.0	0.0	0.0
24	63	1.86e-05	1.54e-05	-1.74e-04	0.0	0.0	0.0
24	64	1.86e-05	-1.54e-05	-1.74e-04	0.0	0.0	0.0
24	65	1.86e-05	1.54e-05	-1.74e-04	0.0	0.0	0.0
24	66	1.86e-05	-1.54e-05	-1.74e-04	0.0	0.0	0.0
24	67	1.86e-05	1.54e-05	-1.74e-04	0.0	0.0	0.0
24	68	1.86e-05	-1.54e-05	-1.74e-04	0.0	0.0	0.0
24	69	1.86e-05	1.54e-05	-1.74e-04	0.0	0.0	0.0
24	70	1.86e-05	-1.54e-05	-1.74e-04	0.0	0.0	0.0
24	71	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
24	72	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
24	73	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
24	74	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
24	75	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
24	76	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
25	1	1.07e-05	2.27e-05	-2.61e-04	1.24e-06	0.0	0.0
25	2	1.07e-05	2.27e-05	-2.61e-04	1.24e-06	0.0	0.0
25	3	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
25	4	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0

25	5	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
25	6	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
25	7	3.97e-05	-2.93e-03	2.70e-03	-1.28e-06	2.28e-05	2.25e-05
25	8	-1.45e-04	-1.85e-03	6.89e-05	-6.42e-05	-1.42e-05	-2.16e-05
25	9	4.25e-05	-3.21e-03	2.97e-03	-1.51e-06	2.49e-05	2.46e-05
25	10	-1.42e-04	-2.12e-03	3.37e-04	-6.44e-05	-1.21e-05	-1.95e-05
25	11	3.96e-05	-2.93e-03	2.70e-03	-1.28e-06	2.28e-05	2.25e-05
25	12	-1.45e-04	-1.85e-03	6.92e-05	-6.42e-05	-1.42e-05	-2.16e-05
25	13	4.24e-05	-3.21e-03	2.97e-03	-1.51e-06	2.48e-05	2.45e-05
25	14	-1.42e-04	-2.12e-03	3.37e-04	-6.44e-05	-1.21e-05	-1.95e-05
25	15	3.97e-05	-2.93e-03	2.70e-03	-1.30e-06	2.28e-05	2.25e-05
25	16	-1.45e-04	-1.85e-03	6.89e-05	-6.42e-05	-1.42e-05	-2.16e-05
25	17	4.25e-05	-3.21e-03	2.97e-03	-1.50e-06	2.49e-05	2.46e-05
25	18	-1.42e-04	-2.12e-03	3.37e-04	-6.44e-05	-1.21e-05	-1.95e-05
25	19	3.96e-05	-2.93e-03	2.70e-03	-1.30e-06	2.28e-05	2.25e-05
25	20	-1.45e-04	-1.85e-03	6.92e-05	-6.42e-05	-1.42e-05	-2.16e-05
25	21	4.24e-05	-3.21e-03	2.97e-03	-1.50e-06	2.48e-05	2.45e-05
25	22	-1.42e-04	-2.12e-03	3.37e-04	-6.44e-05	-1.21e-05	-1.95e-05
25	23	1.28e-04	-0.01	0.01	-7.64e-06	8.64e-05	8.57e-05
25	24	-4.87e-04	-7.65e-03	2.12e-03	-2.17e-04	-3.69e-05	-6.13e-05
25	25	1.29e-04	-0.01	0.01	-7.71e-06	8.70e-05	8.63e-05
25	26	-4.86e-04	-7.73e-03	2.20e-03	-2.17e-04	-3.63e-05	-6.07e-05
25	27	1.28e-04	-0.01	0.01	-7.65e-06	8.64e-05	8.57e-05
25	28	-4.87e-04	-7.65e-03	2.12e-03	-2.17e-04	-3.69e-05	-6.13e-05
25	29	1.29e-04	-0.01	0.01	-7.71e-06	8.70e-05	8.63e-05
25	30	-4.86e-04	-7.73e-03	2.20e-03	-2.17e-04	-3.63e-05	-6.07e-05
25	31	1.28e-04	-0.01	0.01	-7.65e-06	8.63e-05	8.56e-05
25	32	-4.86e-04	-7.65e-03	2.12e-03	-2.17e-04	-3.68e-05	-6.13e-05
25	33	1.29e-04	-0.01	0.01	-7.71e-06	8.69e-05	8.63e-05
25	34	-4.85e-04	-7.73e-03	2.20e-03	-2.17e-04	-3.62e-05	-6.06e-05
25	35	1.28e-04	-0.01	0.01	-7.65e-06	8.63e-05	8.56e-05
25	36	-4.86e-04	-7.65e-03	2.12e-03	-2.17e-04	-3.68e-05	-6.13e-05
25	37	1.29e-04	-0.01	0.01	-7.71e-06	8.69e-05	8.63e-05
25	38	-4.85e-04	-7.73e-03	2.20e-03	-2.17e-04	-3.62e-05	-6.06e-05
25	39	8.50e-06	2.36e-05	-2.01e-04	0.0	0.0	0.0
25	40	7.98e-06	1.13e-05	-2.00e-04	0.0	0.0	0.0
25	41	8.49e-06	2.36e-05	-2.01e-04	0.0	0.0	0.0
25	42	7.97e-06	1.13e-05	-2.00e-04	0.0	0.0	0.0
25	43	8.44e-06	2.41e-05	-2.01e-04	0.0	0.0	0.0
25	44	8.04e-06	1.09e-05	-2.00e-04	0.0	0.0	0.0
25	45	8.43e-06	2.40e-05	-2.01e-04	0.0	0.0	0.0
25	46	8.03e-06	1.09e-05	-2.00e-04	0.0	0.0	0.0
25	47	8.50e-06	2.36e-05	-2.01e-04	0.0	0.0	0.0
25	48	7.98e-06	1.13e-05	-2.00e-04	0.0	0.0	0.0
25	49	8.49e-06	2.36e-05	-2.01e-04	0.0	0.0	0.0
25	50	7.97e-06	1.13e-05	-2.00e-04	0.0	0.0	0.0
25	51	8.44e-06	2.41e-05	-2.01e-04	0.0	0.0	0.0
25	52	8.04e-06	1.09e-05	-2.00e-04	0.0	0.0	0.0
25	53	8.43e-06	2.40e-05	-2.01e-04	0.0	0.0	0.0
25	54	8.03e-06	1.09e-05	-2.00e-04	0.0	0.0	0.0
25	55	9.10e-06	3.80e-05	-2.02e-04	1.01e-06	0.0	0.0
25	56	7.37e-06	-3.04e-06	-1.99e-04	0.0	0.0	0.0
25	57	9.10e-06	3.80e-05	-2.02e-04	1.01e-06	0.0	0.0
25	58	7.37e-06	-3.05e-06	-1.99e-04	0.0	0.0	0.0
25	59	9.10e-06	3.80e-05	-2.02e-04	1.01e-06	0.0	0.0
25	60	7.37e-06	-3.04e-06	-1.99e-04	0.0	0.0	0.0
25	61	9.10e-06	3.80e-05	-2.02e-04	1.01e-06	0.0	0.0
25	62	7.37e-06	-3.05e-06	-1.99e-04	0.0	0.0	0.0
25	63	8.90e-06	3.95e-05	-2.03e-04	1.01e-06	0.0	0.0
25	64	7.58e-06	-4.51e-06	-1.99e-04	0.0	0.0	0.0
25	65	8.89e-06	3.95e-05	-2.03e-04	1.01e-06	0.0	0.0
25	66	7.57e-06	-4.52e-06	-1.99e-04	0.0	0.0	0.0
25	67	8.90e-06	3.95e-05	-2.03e-04	1.01e-06	0.0	0.0
25	68	7.58e-06	-4.51e-06	-1.99e-04	0.0	0.0	0.0
25	69	8.89e-06	3.95e-05	-2.03e-04	1.01e-06	0.0	0.0
25	70	7.57e-06	-4.52e-06	-1.99e-04	0.0	0.0	0.0
25	71	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
25	72	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
25	73	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
25	74	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
25	75	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
25	76	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
26	1	0.0	0.0	-2.41e-04	1.37e-06	0.0	0.0
26	2	0.0	0.0	-2.41e-04	1.37e-06	0.0	0.0
26	3	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
26	4	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
26	5	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0

26	6	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
26	7	2.45e-05	-4.26e-03	-1.85e-04	1.05e-06	0.0	3.12e-05
26	8	-2.45e-05	3.91e-04	-2.33e-04	5.77e-05	-1.42e-06	-4.43e-06
26	9	2.66e-05	-4.66e-03	-1.85e-04	1.05e-06	0.0	3.41e-05
26	10	-2.24e-05	-3.58e-06	-2.33e-04	5.77e-05	-1.42e-06	-1.58e-06
26	11	2.42e-05	-4.26e-03	-1.85e-04	1.05e-06	0.0	3.12e-05
26	12	-2.43e-05	3.89e-04	-2.33e-04	5.77e-05	-1.42e-06	-4.41e-06
26	13	2.63e-05	-4.65e-03	-1.85e-04	1.05e-06	0.0	3.41e-05
26	14	-2.21e-05	-5.15e-06	-2.33e-04	5.77e-05	-1.42e-06	-1.55e-06
26	15	2.45e-05	-4.26e-03	-1.85e-04	1.05e-06	0.0	3.12e-05
26	16	-2.45e-05	3.91e-04	-2.33e-04	5.77e-05	-1.42e-06	-4.43e-06
26	17	2.66e-05	-4.66e-03	-1.85e-04	1.06e-06	0.0	3.41e-05
26	18	-2.24e-05	-3.58e-06	-2.33e-04	5.77e-05	-1.42e-06	-1.58e-06
26	19	2.42e-05	-4.26e-03	-1.85e-04	1.05e-06	0.0	3.12e-05
26	20	-2.43e-05	3.89e-04	-2.33e-04	5.77e-05	-1.42e-06	-4.41e-06
26	21	2.63e-05	-4.65e-03	-1.85e-04	1.05e-06	0.0	3.41e-05
26	22	-2.21e-05	-5.15e-06	-2.33e-04	5.77e-05	-1.42e-06	-1.55e-06
26	23	9.29e-05	-0.02	-1.85e-04	1.05e-06	0.0	1.19e-04
26	24	-7.03e-05	-7.90e-04	-3.45e-04	1.90e-04	-5.10e-06	0.0
26	25	9.36e-05	-0.02	-1.85e-04	1.05e-06	0.0	1.20e-04
26	26	-6.97e-05	-9.09e-04	-3.45e-04	1.90e-04	-5.10e-06	1.25e-06
26	27	9.29e-05	-0.02	-1.85e-04	1.05e-06	0.0	1.19e-04
26	28	-7.03e-05	-7.90e-04	-3.45e-04	1.90e-04	-5.10e-06	0.0
26	29	9.36e-05	-0.02	-1.85e-04	1.05e-06	0.0	1.20e-04
26	30	-6.97e-05	-9.09e-04	-3.45e-04	1.90e-04	-5.10e-06	1.25e-06
26	31	9.21e-05	-0.02	-1.85e-04	1.05e-06	0.0	1.19e-04
26	32	-6.95e-05	-7.96e-04	-3.45e-04	1.90e-04	-5.10e-06	0.0
26	33	9.27e-05	-0.02	-1.85e-04	1.05e-06	0.0	1.20e-04
26	34	-6.88e-05	-9.14e-04	-3.45e-04	1.90e-04	-5.10e-06	1.33e-06
26	35	9.21e-05	-0.02	-1.85e-04	1.05e-06	0.0	1.19e-04
26	36	-6.95e-05	-7.96e-04	-3.45e-04	1.90e-04	-5.10e-06	0.0
26	37	9.27e-05	-0.02	-1.85e-04	1.05e-06	0.0	1.20e-04
26	38	-6.88e-05	-9.14e-04	-3.45e-04	1.90e-04	-5.10e-06	1.33e-06
26	39	0.0	6.52e-06	-1.85e-04	1.05e-06	0.0	0.0
26	40	0.0	-6.43e-06	-1.85e-04	1.05e-06	0.0	0.0
26	41	0.0	6.43e-06	-1.85e-04	1.05e-06	0.0	0.0
26	42	0.0	-6.52e-06	-1.85e-04	1.05e-06	0.0	0.0
26	43	0.0	7.10e-06	-1.85e-04	1.05e-06	0.0	0.0
26	44	0.0	-7.01e-06	-1.85e-04	1.05e-06	0.0	0.0
26	45	0.0	7.01e-06	-1.85e-04	1.05e-06	0.0	0.0
26	46	0.0	-7.10e-06	-1.85e-04	1.05e-06	0.0	0.0
26	47	0.0	6.52e-06	-1.85e-04	1.05e-06	0.0	0.0
26	48	0.0	-6.43e-06	-1.85e-04	1.05e-06	0.0	0.0
26	49	0.0	6.43e-06	-1.85e-04	1.05e-06	0.0	0.0
26	50	0.0	-6.52e-06	-1.85e-04	1.05e-06	0.0	0.0
26	51	0.0	7.10e-06	-1.85e-04	1.05e-06	0.0	0.0
26	52	0.0	-7.01e-06	-1.85e-04	1.05e-06	0.0	0.0
26	53	0.0	7.01e-06	-1.85e-04	1.05e-06	0.0	0.0
26	54	0.0	-7.10e-06	-1.85e-04	1.05e-06	0.0	0.0
26	55	1.21e-06	2.16e-05	-1.85e-04	1.05e-06	0.0	0.0
26	56	-1.20e-06	-2.16e-05	-1.85e-04	1.05e-06	0.0	0.0
26	57	1.20e-06	2.16e-05	-1.85e-04	1.05e-06	0.0	0.0
26	58	-1.21e-06	-2.16e-05	-1.85e-04	1.05e-06	0.0	0.0
26	59	1.21e-06	2.16e-05	-1.85e-04	1.05e-06	0.0	0.0
26	60	-1.20e-06	-2.16e-05	-1.85e-04	1.05e-06	0.0	0.0
26	61	1.20e-06	2.16e-05	-1.85e-04	1.05e-06	0.0	0.0
26	62	-1.21e-06	-2.16e-05	-1.85e-04	1.05e-06	0.0	0.0
26	63	0.0	2.35e-05	-1.85e-04	1.05e-06	0.0	0.0
26	64	0.0	-2.35e-05	-1.85e-04	1.05e-06	0.0	0.0
26	65	0.0	2.35e-05	-1.85e-04	1.05e-06	0.0	0.0
26	66	0.0	-2.35e-05	-1.85e-04	1.05e-06	0.0	0.0
26	67	0.0	2.35e-05	-1.85e-04	1.05e-06	0.0	0.0
26	68	0.0	-2.35e-05	-1.85e-04	1.05e-06	0.0	0.0
26	69	0.0	2.35e-05	-1.85e-04	1.05e-06	0.0	0.0
26	70	0.0	-2.35e-05	-1.85e-04	1.05e-06	0.0	0.0
26	71	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
26	72	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
26	73	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
26	74	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
26	75	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
26	76	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
27	1	-1.07e-05	-2.27e-05	-2.61e-04	1.24e-06	0.0	0.0
27	2	-1.07e-05	-2.27e-05	-2.61e-04	1.24e-06	0.0	0.0
27	3	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
27	4	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
27	5	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
27	6	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0

27	7	2.33e-05	-2.97e-03	-3.11e-03	3.19e-06	-2.23e-05	2.23e-05
27	8	-7.26e-06	5.00e-04	3.59e-04	-5.53e-06	2.83e-06	-3.13e-06
27	9	2.61e-05	-3.24e-03	-3.37e-03	3.41e-06	-2.43e-05	2.43e-05
27	10	-4.46e-06	2.26e-04	9.14e-05	-5.31e-06	0.0	-1.08e-06
27	11	2.31e-05	-2.97e-03	-3.11e-03	3.19e-06	-2.23e-05	2.23e-05
27	12	-7.09e-06	4.99e-04	3.59e-04	-5.53e-06	2.81e-06	-3.12e-06
27	13	2.59e-05	-3.24e-03	-3.37e-03	3.41e-06	-2.43e-05	2.43e-05
27	14	-4.29e-06	2.25e-04	9.11e-05	-5.31e-06	0.0	-1.08e-06
27	15	2.33e-05	-2.97e-03	-3.11e-03	3.20e-06	-2.23e-05	2.23e-05
27	16	-7.26e-06	5.00e-04	3.59e-04	-5.52e-06	2.83e-06	-3.13e-06
27	17	2.61e-05	-3.24e-03	-3.37e-03	3.40e-06	-2.43e-05	2.43e-05
27	18	-4.45e-06	2.26e-04	9.14e-05	-5.32e-06	0.0	-1.08e-06
27	19	2.31e-05	-2.97e-03	-3.11e-03	3.20e-06	-2.23e-05	2.23e-05
27	20	-7.09e-06	4.99e-04	3.59e-04	-5.52e-06	2.81e-06	-3.12e-06
27	21	2.59e-05	-3.24e-03	-3.37e-03	3.40e-06	-2.43e-05	2.43e-05
27	22	-4.28e-06	2.25e-04	9.11e-05	-5.32e-06	0.0	-1.08e-06
27	23	1.12e-04	-0.01	-0.01	9.55e-06	-8.59e-05	8.54e-05
27	24	1.00e-05	2.55e-04	2.44e-04	-1.95e-05	-2.17e-06	0.0
27	25	1.13e-04	-0.01	-0.01	9.62e-06	-8.65e-05	8.61e-05
27	26	1.09e-05	1.73e-04	1.64e-04	-1.94e-05	-2.79e-06	1.29e-06
27	27	1.12e-04	-0.01	-0.01	9.55e-06	-8.59e-05	8.54e-05
27	28	1.00e-05	2.55e-04	2.44e-04	-1.95e-05	-2.17e-06	0.0
27	29	1.13e-04	-0.01	-0.01	9.61e-06	-8.65e-05	8.61e-05
27	30	1.09e-05	1.73e-04	1.64e-04	-1.94e-05	-2.79e-06	1.29e-06
27	31	1.11e-04	-0.01	-0.01	9.55e-06	-8.58e-05	8.54e-05
27	32	1.06e-05	2.51e-04	2.43e-04	-1.95e-05	-2.22e-06	0.0
27	33	1.12e-04	-0.01	-0.01	9.62e-06	-8.64e-05	8.60e-05
27	34	1.14e-05	1.69e-04	1.63e-04	-1.94e-05	-2.84e-06	1.31e-06
27	35	1.11e-04	-0.01	-0.01	9.56e-06	-8.58e-05	8.54e-05
27	36	1.06e-05	2.51e-04	2.43e-04	-1.95e-05	-2.22e-06	0.0
27	37	1.12e-04	-0.01	-0.01	9.62e-06	-8.64e-05	8.60e-05
27	38	1.14e-05	1.69e-04	1.63e-04	-1.95e-05	-2.84e-06	1.31e-06
27	39	-7.97e-06	-1.13e-05	-2.00e-04	0.0	0.0	0.0
27	40	-8.49e-06	-2.36e-05	-2.01e-04	0.0	0.0	0.0
27	41	-7.98e-06	-1.13e-05	-2.00e-04	0.0	0.0	0.0
27	42	-8.50e-06	-2.36e-05	-2.01e-04	0.0	0.0	0.0
27	43	-8.03e-06	-1.09e-05	-2.00e-04	0.0	0.0	0.0
27	44	-8.43e-06	-2.40e-05	-2.01e-04	0.0	0.0	0.0
27	45	-8.04e-06	-1.09e-05	-2.00e-04	0.0	0.0	0.0
27	46	-8.44e-06	-2.41e-05	-2.01e-04	0.0	0.0	0.0
27	47	-7.97e-06	-1.13e-05	-2.00e-04	0.0	0.0	0.0
27	48	-8.49e-06	-2.36e-05	-2.01e-04	0.0	0.0	0.0
27	49	-7.98e-06	-1.13e-05	-2.00e-04	0.0	0.0	0.0
27	50	-8.50e-06	-2.36e-05	-2.01e-04	0.0	0.0	0.0
27	51	-8.03e-06	-1.09e-05	-2.00e-04	0.0	0.0	0.0
27	52	-8.43e-06	-2.40e-05	-2.01e-04	0.0	0.0	0.0
27	53	-8.04e-06	-1.09e-05	-2.00e-04	0.0	0.0	0.0
27	54	-8.44e-06	-2.41e-05	-2.01e-04	0.0	0.0	0.0
27	55	-7.36e-06	3.05e-06	-1.99e-04	0.0	0.0	0.0
27	56	-9.10e-06	-3.80e-05	-2.02e-04	1.01e-06	0.0	0.0
27	57	-7.37e-06	3.03e-06	-1.99e-04	0.0	0.0	0.0
27	58	-9.11e-06	-3.80e-05	-2.02e-04	1.01e-06	0.0	0.0
27	59	-7.36e-06	3.04e-06	-1.99e-04	0.0	0.0	0.0
27	60	-9.10e-06	-3.80e-05	-2.02e-04	1.01e-06	0.0	0.0
27	61	-7.37e-06	3.03e-06	-1.99e-04	0.0	0.0	0.0
27	62	-9.11e-06	-3.80e-05	-2.02e-04	1.01e-06	0.0	0.0
27	63	-7.57e-06	4.52e-06	-1.99e-04	0.0	0.0	0.0
27	64	-8.89e-06	-3.94e-05	-2.03e-04	1.01e-06	0.0	0.0
27	65	-7.58e-06	4.51e-06	-1.99e-04	0.0	0.0	0.0
27	66	-8.90e-06	-3.95e-05	-2.03e-04	1.01e-06	0.0	0.0
27	67	-7.57e-06	4.52e-06	-1.99e-04	0.0	0.0	0.0
27	68	-8.89e-06	-3.94e-05	-2.03e-04	1.01e-06	0.0	0.0
27	69	-7.58e-06	4.51e-06	-1.99e-04	0.0	0.0	0.0
27	70	-8.90e-06	-3.95e-05	-2.03e-04	1.01e-06	0.0	0.0
27	71	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
27	72	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
27	73	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
27	74	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
27	75	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
27	76	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
28	1	-1.41e-05	0.0	-2.68e-04	0.0	0.0	0.0
28	2	-1.41e-05	0.0	-2.68e-04	0.0	0.0	0.0
28	3	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
28	4	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
28	5	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
28	6	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
28	7	2.63e-05	1.54e-05	-4.25e-03	0.0	-3.18e-05	0.0

28	8	-1.96e-05	-1.54e-05	4.05e-04	0.0	5.94e-06	0.0
28	9	2.97e-05	1.54e-05	-4.62e-03	0.0	-3.48e-05	0.0
28	10	-1.62e-05	-1.54e-05	3.21e-05	0.0	2.98e-06	0.0
28	11	2.63e-05	1.62e-05	-4.25e-03	0.0	-3.18e-05	0.0
28	12	-1.96e-05	-1.63e-05	4.05e-04	0.0	5.94e-06	0.0
28	13	2.97e-05	1.63e-05	-4.62e-03	0.0	-3.48e-05	0.0
28	14	-1.62e-05	-1.62e-05	3.21e-05	0.0	2.98e-06	0.0
28	15	2.63e-05	1.54e-05	-4.25e-03	0.0	-3.18e-05	0.0
28	16	-1.96e-05	-1.54e-05	4.05e-04	0.0	5.94e-06	0.0
28	17	2.97e-05	1.54e-05	-4.62e-03	0.0	-3.48e-05	0.0
28	18	-1.62e-05	-1.54e-05	3.21e-05	0.0	2.98e-06	0.0
28	19	2.63e-05	1.63e-05	-4.25e-03	0.0	-3.18e-05	0.0
28	20	-1.96e-05	-1.63e-05	4.05e-04	0.0	5.94e-06	0.0
28	21	2.97e-05	1.63e-05	-4.62e-03	0.0	-3.48e-05	0.0
28	22	-1.62e-05	-1.63e-05	3.21e-05	0.0	2.98e-06	0.0
28	23	1.31e-04	5.14e-05	-0.02	0.0	-1.23e-04	0.0
28	24	-2.20e-05	-5.14e-05	-1.48e-04	0.0	3.45e-06	0.0
28	25	1.32e-04	5.14e-05	-0.02	0.0	-1.23e-04	0.0
28	26	-2.10e-05	-5.14e-05	-2.60e-04	0.0	2.57e-06	0.0
28	27	1.31e-04	5.14e-05	-0.02	0.0	-1.23e-04	0.0
28	28	-2.20e-05	-5.14e-05	-1.48e-04	0.0	3.45e-06	0.0
28	29	1.32e-04	5.14e-05	-0.02	0.0	-1.23e-04	0.0
28	30	-2.10e-05	-5.14e-05	-2.60e-04	0.0	2.57e-06	0.0
28	31	1.31e-04	5.42e-05	-0.02	0.0	-1.23e-04	0.0
28	32	-2.20e-05	-5.42e-05	-1.48e-04	0.0	3.45e-06	0.0
28	33	1.32e-04	5.42e-05	-0.02	0.0	-1.23e-04	0.0
28	34	-2.10e-05	-5.42e-05	-2.60e-04	0.0	2.56e-06	0.0
28	35	1.31e-04	5.42e-05	-0.02	0.0	-1.23e-04	0.0
28	36	-2.20e-05	-5.42e-05	-1.48e-04	0.0	3.45e-06	0.0
28	37	1.32e-04	5.42e-05	-0.02	0.0	-1.23e-04	0.0
28	38	-2.10e-05	-5.42e-05	-2.60e-04	0.0	2.56e-06	0.0
28	39	-1.08e-05	5.71e-06	-2.06e-04	0.0	0.0	0.0
28	40	-1.08e-05	-5.73e-06	-2.06e-04	0.0	0.0	0.0
28	41	-1.08e-05	5.73e-06	-2.06e-04	0.0	0.0	0.0
28	42	-1.08e-05	-5.71e-06	-2.06e-04	0.0	0.0	0.0
28	43	-1.08e-05	6.03e-06	-2.06e-04	0.0	0.0	0.0
28	44	-1.08e-05	-6.04e-06	-2.06e-04	0.0	0.0	0.0
28	45	-1.08e-05	6.04e-06	-2.06e-04	0.0	0.0	0.0
28	46	-1.08e-05	-6.03e-06	-2.06e-04	0.0	0.0	0.0
28	47	-1.08e-05	5.73e-06	-2.06e-04	0.0	0.0	0.0
28	48	-1.08e-05	-5.72e-06	-2.06e-04	0.0	0.0	0.0
28	49	-1.08e-05	5.72e-06	-2.06e-04	0.0	0.0	0.0
28	50	-1.08e-05	-5.73e-06	-2.06e-04	0.0	0.0	0.0
28	51	-1.08e-05	6.04e-06	-2.06e-04	0.0	0.0	0.0
28	52	-1.08e-05	-6.03e-06	-2.06e-04	0.0	0.0	0.0
28	53	-1.08e-05	6.03e-06	-2.06e-04	0.0	0.0	0.0
28	54	-1.08e-05	-6.04e-06	-2.06e-04	0.0	0.0	0.0
28	55	-1.08e-05	1.91e-05	-2.06e-04	0.0	0.0	0.0
28	56	-1.08e-05	-1.91e-05	-2.06e-04	0.0	0.0	0.0
28	57	-1.08e-05	1.91e-05	-2.06e-04	0.0	0.0	0.0
28	58	-1.08e-05	-1.91e-05	-2.06e-04	0.0	0.0	0.0
28	59	-1.08e-05	1.91e-05	-2.06e-04	0.0	0.0	0.0
28	60	-1.08e-05	-1.91e-05	-2.06e-04	0.0	0.0	0.0
28	61	-1.08e-05	1.91e-05	-2.06e-04	0.0	0.0	0.0
28	62	-1.08e-05	-1.91e-05	-2.06e-04	0.0	0.0	0.0
28	63	-1.08e-05	2.01e-05	-2.06e-04	0.0	0.0	0.0
28	64	-1.08e-05	-2.01e-05	-2.06e-04	0.0	0.0	0.0
28	65	-1.08e-05	2.01e-05	-2.06e-04	0.0	0.0	0.0
28	66	-1.08e-05	-2.01e-05	-2.06e-04	0.0	0.0	0.0
28	67	-1.08e-05	2.01e-05	-2.06e-04	0.0	0.0	0.0
28	68	-1.08e-05	-2.01e-05	-2.06e-04	0.0	0.0	0.0
28	69	-1.08e-05	2.01e-05	-2.06e-04	0.0	0.0	0.0
28	70	-1.08e-05	-2.01e-05	-2.06e-04	0.0	0.0	0.0
28	71	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
28	72	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
28	73	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
28	74	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
28	75	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
28	76	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
29	1	-1.07e-05	2.27e-05	-2.61e-04	-1.24e-06	0.0	0.0
29	2	-1.07e-05	2.27e-05	-2.61e-04	-1.24e-06	0.0	0.0
29	3	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
29	4	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
29	5	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
29	6	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
29	7	2.19e-05	3.00e-03	-3.11e-03	-3.30e-06	-2.22e-05	-2.19e-05
29	8	-5.85e-06	-5.33e-04	3.62e-04	5.62e-06	2.78e-06	2.75e-06

29	9	2.47e-05	3.28e-03	-3.38e-03	-3.50e-06	-2.43e-05	-2.40e-05
29	10	-3.05e-06	-2.60e-04	9.41e-05	5.42e-06	0.0	0.0
29	11	2.20e-05	3.00e-03	-3.11e-03	-3.30e-06	-2.22e-05	-2.19e-05
29	12	-6.02e-06	-5.35e-04	3.62e-04	5.62e-06	2.79e-06	2.76e-06
29	13	2.48e-05	3.28e-03	-3.38e-03	-3.50e-06	-2.43e-05	-2.40e-05
29	14	-3.22e-06	-2.61e-04	9.43e-05	5.42e-06	0.0	0.0
29	15	2.19e-05	3.00e-03	-3.11e-03	-3.29e-06	-2.22e-05	-2.19e-05
29	16	-5.85e-06	-5.33e-04	3.62e-04	5.63e-06	2.78e-06	2.75e-06
29	17	2.47e-05	3.28e-03	-3.38e-03	-3.51e-06	-2.43e-05	-2.40e-05
29	18	-3.05e-06	-2.60e-04	9.41e-05	5.41e-06	0.0	0.0
29	19	2.20e-05	3.00e-03	-3.11e-03	-3.29e-06	-2.22e-05	-2.19e-05
29	20	-6.02e-06	-5.35e-04	3.62e-04	5.63e-06	2.79e-06	2.76e-06
29	21	2.48e-05	3.28e-03	-3.38e-03	-3.51e-06	-2.43e-05	-2.40e-05
29	22	-3.22e-06	-2.61e-04	9.44e-05	5.41e-06	0.0	0.0
29	23	1.07e-04	0.01	-0.01	-9.89e-06	-8.57e-05	-8.42e-05
29	24	1.47e-05	-3.66e-04	2.53e-04	1.98e-05	-2.32e-06	-1.92e-06
29	25	1.08e-04	0.01	-0.01	-9.95e-06	-8.63e-05	-8.48e-05
29	26	1.56e-05	-2.84e-04	1.73e-04	1.98e-05	-2.95e-06	-2.54e-06
29	27	1.07e-04	0.01	-0.01	-9.88e-06	-8.57e-05	-8.42e-05
29	28	1.47e-05	-3.66e-04	2.53e-04	1.98e-05	-2.32e-06	-1.92e-06
29	29	1.08e-04	0.01	-0.01	-9.95e-06	-8.63e-05	-8.48e-05
29	30	1.56e-05	-2.84e-04	1.73e-04	1.98e-05	-2.95e-06	-2.54e-06
29	31	1.08e-04	0.01	-0.01	-9.88e-06	-8.57e-05	-8.42e-05
29	32	1.42e-05	-3.70e-04	2.54e-04	1.98e-05	-2.28e-06	-1.91e-06
29	33	1.09e-04	0.01	-0.01	-9.94e-06	-8.64e-05	-8.48e-05
29	34	1.50e-05	-2.88e-04	1.74e-04	1.98e-05	-2.90e-06	-2.52e-06
29	35	1.08e-04	0.01	-0.01	-9.88e-06	-8.57e-05	-8.42e-05
29	36	1.42e-05	-3.70e-04	2.54e-04	1.98e-05	-2.28e-06	-1.91e-06
29	37	1.09e-04	0.01	-0.01	-9.95e-06	-8.64e-05	-8.48e-05
29	38	1.50e-05	-2.88e-04	1.74e-04	1.98e-05	-2.90e-06	-2.52e-06
29	39	-8.49e-06	2.36e-05	-2.01e-04	0.0	0.0	0.0
29	40	-7.97e-06	1.13e-05	-2.00e-04	0.0	0.0	0.0
29	41	-8.50e-06	2.36e-05	-2.01e-04	0.0	0.0	0.0
29	42	-7.98e-06	1.13e-05	-2.00e-04	0.0	0.0	0.0
29	43	-8.43e-06	2.40e-05	-2.01e-04	0.0	0.0	0.0
29	44	-8.03e-06	1.09e-05	-2.00e-04	0.0	0.0	0.0
29	45	-8.44e-06	2.41e-05	-2.01e-04	0.0	0.0	0.0
29	46	-8.04e-06	1.09e-05	-2.00e-04	0.0	0.0	0.0
29	47	-8.49e-06	2.36e-05	-2.01e-04	0.0	0.0	0.0
29	48	-7.97e-06	1.13e-05	-2.00e-04	0.0	0.0	0.0
29	49	-8.50e-06	2.36e-05	-2.01e-04	0.0	0.0	0.0
29	50	-7.98e-06	1.13e-05	-2.00e-04	0.0	0.0	0.0
29	51	-8.43e-06	2.40e-05	-2.01e-04	0.0	0.0	0.0
29	52	-8.03e-06	1.09e-05	-2.00e-04	0.0	0.0	0.0
29	53	-8.44e-06	2.41e-05	-2.01e-04	0.0	0.0	0.0
29	54	-8.04e-06	1.09e-05	-2.00e-04	0.0	0.0	0.0
29	55	-9.10e-06	3.80e-05	-2.02e-04	-1.01e-06	0.0	0.0
29	56	-7.36e-06	-3.04e-06	-1.99e-04	0.0	0.0	0.0
29	57	-9.11e-06	3.80e-05	-2.02e-04	-1.01e-06	0.0	0.0
29	58	-7.36e-06	-3.03e-06	-1.99e-04	0.0	0.0	0.0
29	59	-9.10e-06	3.80e-05	-2.02e-04	-1.01e-06	0.0	0.0
29	60	-7.36e-06	-3.04e-06	-1.99e-04	0.0	0.0	0.0
29	61	-9.11e-06	3.80e-05	-2.02e-04	-1.01e-06	0.0	0.0
29	62	-7.36e-06	-3.03e-06	-1.99e-04	0.0	0.0	0.0
29	63	-8.89e-06	3.95e-05	-2.03e-04	-1.01e-06	0.0	0.0
29	64	-7.57e-06	-4.52e-06	-1.99e-04	0.0	0.0	0.0
29	65	-8.90e-06	3.95e-05	-2.03e-04	-1.01e-06	0.0	0.0
29	66	-7.58e-06	-4.51e-06	-1.99e-04	0.0	0.0	0.0
29	67	-8.89e-06	3.95e-05	-2.03e-04	-1.01e-06	0.0	0.0
29	68	-7.57e-06	-4.52e-06	-1.99e-04	0.0	0.0	0.0
29	69	-8.90e-06	3.95e-05	-2.03e-04	-1.01e-06	0.0	0.0
29	70	-7.58e-06	-4.51e-06	-1.99e-04	0.0	0.0	0.0
29	71	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
29	72	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
29	73	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
29	74	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
29	75	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
29	76	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
30	1	0.0	0.0	-2.41e-04	-1.37e-06	0.0	0.0
30	2	0.0	0.0	-2.41e-04	-1.37e-06	0.0	0.0
30	3	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
30	4	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
30	5	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
30	6	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
30	7	2.25e-05	4.30e-03	-1.85e-04	-1.05e-06	0.0	-3.08e-05
30	8	-2.26e-05	-4.26e-04	-2.33e-04	-5.77e-05	-1.42e-06	4.02e-06
30	9	2.46e-05	4.69e-03	-1.85e-04	-1.05e-06	0.0	-3.37e-05

30	10	-2.04e-05	-3.13e-05	-2.33e-04	-5.77e-05	-1.42e-06	1.16e-06
30	11	2.28e-05	4.30e-03	-1.85e-04	-1.05e-06	0.0	-3.08e-05
30	12	-2.28e-05	-4.27e-04	-2.33e-04	-5.77e-05	-1.42e-06	4.04e-06
30	13	2.49e-05	4.69e-03	-1.85e-04	-1.05e-06	0.0	-3.37e-05
30	14	-2.07e-05	-3.29e-05	-2.33e-04	-5.77e-05	-1.42e-06	1.18e-06
30	15	2.25e-05	4.30e-03	-1.85e-04	-1.05e-06	0.0	-3.08e-05
30	16	-2.26e-05	-4.26e-04	-2.33e-04	-5.77e-05	-1.42e-06	4.02e-06
30	17	2.46e-05	4.69e-03	-1.85e-04	-1.05e-06	0.0	-3.37e-05
30	18	-2.04e-05	-3.13e-05	-2.33e-04	-5.77e-05	-1.42e-06	1.16e-06
30	19	2.28e-05	4.30e-03	-1.85e-04	-1.05e-06	0.0	-3.08e-05
30	20	-2.28e-05	-4.27e-04	-2.33e-04	-5.77e-05	-1.42e-06	4.04e-06
30	21	2.49e-05	4.69e-03	-1.85e-04	-1.05e-06	0.0	-3.37e-05
30	22	-2.07e-05	-3.29e-05	-2.33e-04	-5.77e-05	-1.42e-06	1.18e-06
30	23	8.64e-05	0.02	-1.85e-04	-1.05e-06	0.0	-1.18e-04
30	24	-6.38e-05	6.74e-04	-3.45e-04	-1.90e-04	-5.10e-06	-1.78e-06
30	25	8.71e-05	0.02	-1.85e-04	-1.05e-06	0.0	-1.19e-04
30	26	-6.32e-05	7.92e-04	-3.45e-04	-1.90e-04	-5.10e-06	-2.64e-06
30	27	8.64e-05	0.02	-1.85e-04	-1.05e-06	0.0	-1.18e-04
30	28	-6.38e-05	6.74e-04	-3.45e-04	-1.90e-04	-5.10e-06	-1.78e-06
30	29	8.71e-05	0.02	-1.85e-04	-1.05e-06	0.0	-1.19e-04
30	30	-6.32e-05	7.92e-04	-3.45e-04	-1.90e-04	-5.10e-06	-2.64e-06
30	31	8.73e-05	0.02	-1.85e-04	-1.05e-06	0.0	-1.18e-04
30	32	-6.46e-05	6.69e-04	-3.45e-04	-1.90e-04	-5.10e-06	-1.71e-06
30	33	8.79e-05	0.02	-1.85e-04	-1.05e-06	0.0	-1.19e-04
30	34	-6.40e-05	7.87e-04	-3.45e-04	-1.90e-04	-5.10e-06	-2.56e-06
30	35	8.73e-05	0.02	-1.85e-04	-1.05e-06	0.0	-1.18e-04
30	36	-6.46e-05	6.69e-04	-3.45e-04	-1.90e-04	-5.10e-06	-1.71e-06
30	37	8.79e-05	0.02	-1.85e-04	-1.05e-06	0.0	-1.19e-04
30	38	-6.40e-05	7.87e-04	-3.45e-04	-1.90e-04	-5.10e-06	-2.56e-06
30	39	0.0	6.43e-06	-1.85e-04	-1.05e-06	0.0	0.0
30	40	0.0	-6.51e-06	-1.85e-04	-1.05e-06	0.0	0.0
30	41	0.0	6.51e-06	-1.85e-04	-1.05e-06	0.0	0.0
30	42	0.0	-6.43e-06	-1.85e-04	-1.05e-06	0.0	0.0
30	43	0.0	7.01e-06	-1.85e-04	-1.05e-06	0.0	0.0
30	44	0.0	-7.10e-06	-1.85e-04	-1.05e-06	0.0	0.0
30	45	0.0	7.10e-06	-1.85e-04	-1.05e-06	0.0	0.0
30	46	0.0	-7.01e-06	-1.85e-04	-1.05e-06	0.0	0.0
30	47	0.0	6.43e-06	-1.85e-04	-1.05e-06	0.0	0.0
30	48	0.0	-6.51e-06	-1.85e-04	-1.05e-06	0.0	0.0
30	49	0.0	6.51e-06	-1.85e-04	-1.05e-06	0.0	0.0
30	50	0.0	-6.43e-06	-1.85e-04	-1.05e-06	0.0	0.0
30	51	0.0	7.01e-06	-1.85e-04	-1.05e-06	0.0	0.0
30	52	0.0	-7.10e-06	-1.85e-04	-1.05e-06	0.0	0.0
30	53	0.0	7.10e-06	-1.85e-04	-1.05e-06	0.0	0.0
30	54	0.0	-7.01e-06	-1.85e-04	-1.05e-06	0.0	0.0
30	55	-1.21e-06	2.16e-05	-1.85e-04	-1.05e-06	0.0	0.0
30	56	1.21e-06	-2.16e-05	-1.85e-04	-1.06e-06	0.0	0.0
30	57	-1.21e-06	2.16e-05	-1.85e-04	-1.05e-06	0.0	0.0
30	58	1.21e-06	-2.16e-05	-1.85e-04	-1.06e-06	0.0	0.0
30	59	-1.21e-06	2.16e-05	-1.85e-04	-1.05e-06	0.0	0.0
30	60	1.21e-06	-2.16e-05	-1.85e-04	-1.05e-06	0.0	0.0
30	61	-1.21e-06	2.16e-05	-1.85e-04	-1.05e-06	0.0	0.0
30	62	1.21e-06	-2.16e-05	-1.85e-04	-1.06e-06	0.0	0.0
30	63	0.0	2.35e-05	-1.85e-04	-1.05e-06	0.0	0.0
30	64	0.0	-2.35e-05	-1.85e-04	-1.05e-06	0.0	0.0
30	65	0.0	2.35e-05	-1.85e-04	-1.05e-06	0.0	0.0
30	66	0.0	-2.35e-05	-1.85e-04	-1.05e-06	0.0	0.0
30	67	0.0	2.35e-05	-1.85e-04	-1.05e-06	0.0	0.0
30	68	0.0	-2.35e-05	-1.85e-04	-1.05e-06	0.0	0.0
30	69	0.0	2.35e-05	-1.85e-04	-1.05e-06	0.0	0.0
30	70	0.0	-2.35e-05	-1.85e-04	-1.05e-06	0.0	0.0
30	71	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
30	72	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
30	73	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
30	74	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
30	75	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
30	76	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
31	1	1.07e-05	-2.27e-05	-2.61e-04	-1.24e-06	0.0	0.0
31	2	1.07e-05	-2.27e-05	-2.61e-04	-1.24e-06	0.0	0.0
31	3	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
31	4	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
31	5	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
31	6	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
31	7	3.83e-05	2.97e-03	2.71e-03	1.40e-06	2.27e-05	-2.21e-05
31	8	-1.43e-04	1.81e-03	6.62e-05	6.41e-05	-1.41e-05	2.12e-05
31	9	4.11e-05	3.24e-03	2.97e-03	1.60e-06	2.48e-05	-2.42e-05
31	10	-1.41e-04	2.09e-03	3.34e-04	6.43e-05	-1.21e-05	1.91e-05

31	11	3.85e-05	2.97e-03	2.71e-03	1.40e-06	2.27e-05	-2.21e-05
31	12	-1.44e-04	1.81e-03	6.59e-05	6.41e-05	-1.42e-05	2.12e-05
31	13	4.13e-05	3.24e-03	2.97e-03	1.60e-06	2.48e-05	-2.42e-05
31	14	-1.41e-04	2.08e-03	3.34e-04	6.43e-05	-1.21e-05	1.92e-05
31	15	3.83e-05	2.97e-03	2.71e-03	1.38e-06	2.27e-05	-2.21e-05
31	16	-1.43e-04	1.81e-03	6.62e-05	6.41e-05	-1.41e-05	2.12e-05
31	17	4.11e-05	3.24e-03	2.97e-03	1.61e-06	2.48e-05	-2.42e-05
31	18	-1.41e-04	2.09e-03	3.34e-04	6.43e-05	-1.21e-05	1.91e-05
31	19	3.85e-05	2.97e-03	2.71e-03	1.38e-06	2.27e-05	-2.21e-05
31	20	-1.44e-04	1.81e-03	6.59e-05	6.41e-05	-1.42e-05	2.12e-05
31	21	4.13e-05	3.24e-03	2.97e-03	1.61e-06	2.48e-05	-2.42e-05
31	22	-1.41e-04	2.08e-03	3.34e-04	6.43e-05	-1.21e-05	1.92e-05
31	23	1.24e-04	0.01	0.01	7.98e-06	8.62e-05	-8.44e-05
31	24	-4.82e-04	7.53e-03	2.11e-03	2.17e-04	-3.67e-05	6.00e-05
31	25	1.24e-04	0.01	0.01	8.04e-06	8.68e-05	-8.50e-05
31	26	-4.81e-04	7.62e-03	2.19e-03	2.17e-04	-3.61e-05	5.94e-05
31	27	1.24e-04	0.01	0.01	7.98e-06	8.62e-05	-8.44e-05
31	28	-4.82e-04	7.53e-03	2.11e-03	2.17e-04	-3.67e-05	6.00e-05
31	29	1.24e-04	0.01	0.01	8.05e-06	8.68e-05	-8.50e-05
31	30	-4.81e-04	7.62e-03	2.19e-03	2.17e-04	-3.61e-05	5.94e-05
31	31	1.24e-04	0.01	0.01	7.98e-06	8.62e-05	-8.44e-05
31	32	-4.83e-04	7.53e-03	2.11e-03	2.17e-04	-3.68e-05	6.00e-05
31	33	1.25e-04	0.01	0.01	8.04e-06	8.69e-05	-8.50e-05
31	34	-4.82e-04	7.61e-03	2.19e-03	2.17e-04	-3.61e-05	5.94e-05
31	35	1.24e-04	0.01	0.01	7.98e-06	8.62e-05	-8.44e-05
31	36	-4.83e-04	7.53e-03	2.11e-03	2.17e-04	-3.68e-05	6.00e-05
31	37	1.25e-04	0.01	0.01	8.04e-06	8.69e-05	-8.50e-05
31	38	-4.82e-04	7.61e-03	2.19e-03	2.17e-04	-3.61e-05	5.94e-05
31	39	7.98e-06	-1.13e-05	-2.00e-04	0.0	0.0	0.0
31	40	8.50e-06	-2.36e-05	-2.01e-04	0.0	0.0	0.0
31	41	7.96e-06	-1.13e-05	-2.00e-04	0.0	0.0	0.0
31	42	8.49e-06	-2.36e-05	-2.01e-04	0.0	0.0	0.0
31	43	8.04e-06	-1.09e-05	-2.00e-04	0.0	0.0	0.0
31	44	8.44e-06	-2.41e-05	-2.01e-04	0.0	0.0	0.0
31	45	8.03e-06	-1.09e-05	-2.00e-04	0.0	0.0	0.0
31	46	8.43e-06	-2.40e-05	-2.01e-04	0.0	0.0	0.0
31	47	7.98e-06	-1.13e-05	-2.00e-04	0.0	0.0	0.0
31	48	8.50e-06	-2.36e-05	-2.01e-04	0.0	0.0	0.0
31	49	7.96e-06	-1.13e-05	-2.00e-04	0.0	0.0	0.0
31	50	8.49e-06	-2.36e-05	-2.01e-04	0.0	0.0	0.0
31	51	8.04e-06	-1.09e-05	-2.00e-04	0.0	0.0	0.0
31	52	8.44e-06	-2.41e-05	-2.01e-04	0.0	0.0	0.0
31	53	8.03e-06	-1.09e-05	-2.00e-04	0.0	0.0	0.0
31	54	8.43e-06	-2.41e-05	-2.01e-04	0.0	0.0	0.0
31	55	7.36e-06	3.04e-06	-1.99e-04	0.0	0.0	0.0
31	56	9.11e-06	-3.80e-05	-2.02e-04	-1.01e-06	0.0	0.0
31	57	7.35e-06	3.05e-06	-1.99e-04	0.0	0.0	0.0
31	58	9.11e-06	-3.80e-05	-2.02e-04	-1.01e-06	0.0	0.0
31	59	7.36e-06	3.04e-06	-1.99e-04	0.0	0.0	0.0
31	60	9.11e-06	-3.80e-05	-2.02e-04	-1.01e-06	0.0	0.0
31	61	7.35e-06	3.05e-06	-1.99e-04	0.0	0.0	0.0
31	62	9.11e-06	-3.80e-05	-2.02e-04	-1.01e-06	0.0	0.0
31	63	7.57e-06	4.51e-06	-1.99e-04	0.0	0.0	0.0
31	64	8.90e-06	-3.95e-05	-2.03e-04	-1.01e-06	0.0	0.0
31	65	7.57e-06	4.52e-06	-1.99e-04	0.0	0.0	0.0
31	66	8.90e-06	-3.95e-05	-2.03e-04	-1.01e-06	0.0	0.0
31	67	7.57e-06	4.51e-06	-1.99e-04	0.0	0.0	0.0
31	68	8.90e-06	-3.95e-05	-2.03e-04	-1.01e-06	0.0	0.0
31	69	7.57e-06	4.52e-06	-1.99e-04	0.0	0.0	0.0
31	70	8.90e-06	-3.95e-05	-2.03e-04	-1.01e-06	0.0	0.0
31	71	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
31	72	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
31	73	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
31	74	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
31	75	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
31	76	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
32	1	1.41e-05	0.0	-2.68e-04	0.0	0.0	0.0
32	2	1.41e-05	0.0	-2.68e-04	0.0	0.0	0.0
32	3	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
32	4	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
32	5	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
32	6	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
32	7	4.80e-05	1.54e-05	3.84e-03	0.0	3.24e-05	0.0
32	8	3.22e-04	-1.54e-05	-6.40e-03	0.0	2.61e-05	0.0
32	9	5.14e-05	1.54e-05	4.21e-03	0.0	3.54e-05	0.0
32	10	3.26e-04	-1.54e-05	-6.03e-03	0.0	2.90e-05	0.0
32	11	4.80e-05	1.62e-05	3.84e-03	0.0	3.24e-05	0.0

32	12	3.22e-04	-1.63e-05	-6.40e-03	0.0	2.61e-05	0.0
32	13	5.14e-05	1.63e-05	4.21e-03	0.0	3.54e-05	0.0
32	14	3.26e-04	-1.62e-05	-6.03e-03	0.0	2.90e-05	0.0
32	15	4.80e-05	1.54e-05	3.84e-03	0.0	3.24e-05	0.0
32	16	3.22e-04	-1.54e-05	-6.40e-03	0.0	2.61e-05	0.0
32	17	5.14e-05	1.54e-05	4.21e-03	0.0	3.54e-05	0.0
32	18	3.26e-04	-1.54e-05	-6.03e-03	0.0	2.90e-05	0.0
32	19	4.80e-05	1.63e-05	3.84e-03	0.0	3.24e-05	0.0
32	20	3.22e-04	-1.63e-05	-6.40e-03	0.0	2.61e-05	0.0
32	21	5.14e-05	1.63e-05	4.21e-03	0.0	3.54e-05	0.0
32	22	3.26e-04	-1.63e-05	-6.03e-03	0.0	2.90e-05	0.0
32	23	1.53e-04	5.14e-05	0.02	0.0	1.23e-04	0.0
32	24	1.07e-03	-5.14e-05	-0.02	0.0	1.02e-04	0.0
32	25	1.54e-04	5.14e-05	0.02	0.0	1.24e-04	0.0
32	26	1.07e-03	-5.14e-05	-0.02	0.0	1.03e-04	0.0
32	27	1.53e-04	5.14e-05	0.02	0.0	1.23e-04	0.0
32	28	1.07e-03	-5.14e-05	-0.02	0.0	1.02e-04	0.0
32	29	1.54e-04	5.14e-05	0.02	0.0	1.24e-04	0.0
32	30	1.07e-03	-5.14e-05	-0.02	0.0	1.03e-04	0.0
32	31	1.53e-04	5.42e-05	0.02	0.0	1.23e-04	0.0
32	32	1.07e-03	-5.42e-05	-0.02	0.0	1.02e-04	0.0
32	33	1.54e-04	5.42e-05	0.02	0.0	1.24e-04	0.0
32	34	1.07e-03	-5.42e-05	-0.02	0.0	1.03e-04	0.0
32	35	1.53e-04	5.42e-05	0.02	0.0	1.23e-04	0.0
32	36	1.07e-03	-5.42e-05	-0.02	0.0	1.02e-04	0.0
32	37	1.54e-04	5.42e-05	0.02	0.0	1.24e-04	0.0
32	38	1.07e-03	-5.42e-05	-0.02	0.0	1.03e-04	0.0
32	39	1.08e-05	5.71e-06	-2.06e-04	0.0	0.0	0.0
32	40	1.08e-05	-5.73e-06	-2.06e-04	0.0	0.0	0.0
32	41	1.08e-05	5.73e-06	-2.06e-04	0.0	0.0	0.0
32	42	1.08e-05	-5.71e-06	-2.06e-04	0.0	0.0	0.0
32	43	1.08e-05	6.03e-06	-2.06e-04	0.0	0.0	0.0
32	44	1.08e-05	-6.04e-06	-2.06e-04	0.0	0.0	0.0
32	45	1.08e-05	6.04e-06	-2.06e-04	0.0	0.0	0.0
32	46	1.08e-05	-6.03e-06	-2.06e-04	0.0	0.0	0.0
32	47	1.08e-05	5.73e-06	-2.06e-04	0.0	0.0	0.0
32	48	1.08e-05	-5.72e-06	-2.06e-04	0.0	0.0	0.0
32	49	1.08e-05	5.72e-06	-2.06e-04	0.0	0.0	0.0
32	50	1.08e-05	-5.73e-06	-2.06e-04	0.0	0.0	0.0
32	51	1.08e-05	6.04e-06	-2.06e-04	0.0	0.0	0.0
32	52	1.08e-05	-6.03e-06	-2.06e-04	0.0	0.0	0.0
32	53	1.08e-05	6.03e-06	-2.06e-04	0.0	0.0	0.0
32	54	1.08e-05	-6.04e-06	-2.06e-04	0.0	0.0	0.0
32	55	1.08e-05	1.91e-05	-2.06e-04	0.0	0.0	0.0
32	56	1.08e-05	-1.91e-05	-2.06e-04	0.0	0.0	0.0
32	57	1.08e-05	1.91e-05	-2.06e-04	0.0	0.0	0.0
32	58	1.08e-05	-1.91e-05	-2.06e-04	0.0	0.0	0.0
32	59	1.08e-05	1.91e-05	-2.06e-04	0.0	0.0	0.0
32	60	1.08e-05	-1.91e-05	-2.06e-04	0.0	0.0	0.0
32	61	1.08e-05	1.91e-05	-2.06e-04	0.0	0.0	0.0
32	62	1.08e-05	-1.91e-05	-2.06e-04	0.0	0.0	0.0
32	63	1.08e-05	2.01e-05	-2.06e-04	0.0	0.0	0.0
32	64	1.08e-05	-2.01e-05	-2.06e-04	0.0	0.0	0.0
32	65	1.08e-05	2.01e-05	-2.06e-04	0.0	0.0	0.0
32	66	1.08e-05	-2.01e-05	-2.06e-04	0.0	0.0	0.0
32	67	1.08e-05	2.01e-05	-2.06e-04	0.0	0.0	0.0
32	68	1.08e-05	-2.01e-05	-2.06e-04	0.0	0.0	0.0
32	69	1.08e-05	2.01e-05	-2.06e-04	0.0	0.0	0.0
32	70	1.08e-05	-2.01e-05	-2.06e-04	0.0	0.0	0.0
32	71	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
32	72	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
32	73	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
32	74	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
32	75	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
32	76	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
33	1	0.0	2.23e-05	-2.77e-04	1.23e-06	0.0	0.0
33	2	0.0	2.23e-05	-2.77e-04	1.23e-06	0.0	0.0
33	3	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
33	4	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
33	5	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
33	6	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
33	7	0.0	-2.93e-03	2.68e-03	-1.50e-06	0.0	0.0
33	8	0.0	-2.09e-03	1.59e-04	-7.07e-05	0.0	0.0
33	9	0.0	-3.20e-03	2.95e-03	-1.73e-06	0.0	0.0
33	10	0.0	-2.36e-03	4.25e-04	-7.10e-05	0.0	0.0
33	11	0.0	-2.93e-03	2.68e-03	-1.50e-06	0.0	0.0
33	12	0.0	-2.09e-03	1.59e-04	-7.07e-05	0.0	0.0

33	13	0.0	-3.20e-03	2.95e-03	-1.73e-06	0.0	0.0
33	14	0.0	-2.36e-03	4.25e-04	-7.10e-05	0.0	0.0
33	15	0.0	-2.93e-03	2.68e-03	-1.50e-06	0.0	0.0
33	16	0.0	-2.09e-03	1.59e-04	-7.07e-05	0.0	0.0
33	17	0.0	-3.20e-03	2.95e-03	-1.73e-06	0.0	0.0
33	18	0.0	-2.36e-03	4.25e-04	-7.10e-05	0.0	0.0
33	19	0.0	-2.93e-03	2.68e-03	-1.50e-06	0.0	0.0
33	20	0.0	-2.09e-03	1.59e-04	-7.07e-05	0.0	0.0
33	21	0.0	-3.20e-03	2.95e-03	-1.73e-06	0.0	0.0
33	22	0.0	-2.36e-03	4.25e-04	-7.10e-05	0.0	0.0
33	23	0.0	-0.01	0.01	-8.42e-06	0.0	0.0
33	24	0.0	-8.45e-03	2.44e-03	-2.39e-04	0.0	0.0
33	25	0.0	-0.01	0.01	-8.49e-06	0.0	0.0
33	26	0.0	-8.53e-03	2.52e-03	-2.39e-04	0.0	0.0
33	27	0.0	-0.01	0.01	-8.42e-06	0.0	0.0
33	28	0.0	-8.45e-03	2.44e-03	-2.39e-04	0.0	0.0
33	29	0.0	-0.01	0.01	-8.49e-06	0.0	0.0
33	30	0.0	-8.53e-03	2.52e-03	-2.39e-04	0.0	0.0
33	31	0.0	-0.01	0.01	-8.42e-06	0.0	0.0
33	32	0.0	-8.45e-03	2.44e-03	-2.39e-04	0.0	0.0
33	33	0.0	-0.01	0.01	-8.49e-06	0.0	0.0
33	34	0.0	-8.53e-03	2.52e-03	-2.39e-04	0.0	0.0
33	35	0.0	-0.01	0.01	-8.42e-06	0.0	0.0
33	36	0.0	-8.45e-03	2.44e-03	-2.39e-04	0.0	0.0
33	37	0.0	-0.01	0.01	-8.49e-06	0.0	0.0
33	38	0.0	-8.53e-03	2.52e-03	-2.39e-04	0.0	0.0
33	39	0.0	2.43e-05	-2.14e-04	0.0	0.0	0.0
33	40	0.0	1.01e-05	-2.12e-04	0.0	0.0	0.0
33	41	0.0	2.43e-05	-2.14e-04	0.0	0.0	0.0
33	42	0.0	1.01e-05	-2.12e-04	0.0	0.0	0.0
33	43	0.0	2.43e-05	-2.14e-04	0.0	0.0	0.0
33	44	0.0	1.01e-05	-2.12e-04	0.0	0.0	0.0
33	45	0.0	2.43e-05	-2.14e-04	0.0	0.0	0.0
33	46	0.0	1.01e-05	-2.12e-04	0.0	0.0	0.0
33	47	0.0	2.43e-05	-2.14e-04	0.0	0.0	0.0
33	48	0.0	1.01e-05	-2.12e-04	0.0	0.0	0.0
33	49	0.0	2.43e-05	-2.14e-04	0.0	0.0	0.0
33	50	0.0	1.01e-05	-2.12e-04	0.0	0.0	0.0
33	51	0.0	2.43e-05	-2.14e-04	0.0	0.0	0.0
33	52	0.0	1.01e-05	-2.12e-04	0.0	0.0	0.0
33	53	0.0	2.43e-05	-2.14e-04	0.0	0.0	0.0
33	54	0.0	1.01e-05	-2.12e-04	0.0	0.0	0.0
33	55	0.0	4.08e-05	-2.16e-04	1.00e-06	0.0	0.0
33	56	0.0	-6.48e-06	-2.11e-04	0.0	0.0	0.0
33	57	0.0	4.08e-05	-2.16e-04	1.00e-06	0.0	0.0
33	58	0.0	-6.48e-06	-2.11e-04	0.0	0.0	0.0
33	59	0.0	4.08e-05	-2.16e-04	1.00e-06	0.0	0.0
33	60	0.0	-6.48e-06	-2.11e-04	0.0	0.0	0.0
33	61	0.0	4.08e-05	-2.16e-04	1.00e-06	0.0	0.0
33	62	0.0	-6.48e-06	-2.11e-04	0.0	0.0	0.0
33	63	0.0	4.08e-05	-2.16e-04	1.00e-06	0.0	0.0
33	64	0.0	-6.47e-06	-2.11e-04	0.0	0.0	0.0
33	65	0.0	4.08e-05	-2.16e-04	1.00e-06	0.0	0.0
33	66	0.0	-6.47e-06	-2.11e-04	0.0	0.0	0.0
33	67	0.0	4.08e-05	-2.16e-04	1.00e-06	0.0	0.0
33	68	0.0	-6.47e-06	-2.11e-04	0.0	0.0	0.0
33	69	0.0	4.08e-05	-2.16e-04	1.00e-06	0.0	0.0
33	70	0.0	-6.47e-06	-2.11e-04	0.0	0.0	0.0
33	71	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
33	72	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
33	73	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
33	74	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
33	75	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
33	76	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
34	1	0.0	0.0	-2.58e-04	1.32e-06	0.0	0.0
34	2	0.0	0.0	-2.58e-04	1.32e-06	0.0	0.0
34	3	0.0	0.0	-1.98e-04	1.01e-06	0.0	0.0
34	4	0.0	0.0	-1.98e-04	1.01e-06	0.0	0.0
34	5	0.0	0.0	-1.98e-04	1.01e-06	0.0	0.0
34	6	0.0	0.0	-1.98e-04	1.01e-06	0.0	0.0
34	7	0.0	-4.26e-03	-1.98e-04	1.01e-06	0.0	0.0
34	8	0.0	3.87e-04	-2.39e-04	6.32e-05	0.0	0.0
34	9	0.0	-4.65e-03	-1.98e-04	1.01e-06	0.0	0.0
34	10	0.0	-6.85e-06	-2.39e-04	6.32e-05	0.0	0.0
34	11	0.0	-4.26e-03	-1.98e-04	1.01e-06	0.0	0.0
34	12	0.0	3.87e-04	-2.39e-04	6.32e-05	0.0	0.0
34	13	0.0	-4.65e-03	-1.98e-04	1.01e-06	0.0	0.0

34	14	0.0	-6.84e-06	-2.39e-04	6.32e-05	0.0	0.0
34	15	0.0	-4.26e-03	-1.98e-04	1.01e-06	0.0	0.0
34	16	0.0	3.87e-04	-2.39e-04	6.32e-05	0.0	0.0
34	17	0.0	-4.65e-03	-1.98e-04	1.01e-06	0.0	0.0
34	18	0.0	-6.85e-06	-2.39e-04	6.32e-05	0.0	0.0
34	19	0.0	-4.26e-03	-1.98e-04	1.01e-06	0.0	0.0
34	20	0.0	3.87e-04	-2.39e-04	6.32e-05	0.0	0.0
34	21	0.0	-4.65e-03	-1.98e-04	1.01e-06	0.0	0.0
34	22	0.0	-6.85e-06	-2.39e-04	6.32e-05	0.0	0.0
34	23	0.0	-0.02	-1.98e-04	1.01e-06	0.0	0.0
34	24	0.0	-8.01e-04	-3.34e-04	2.08e-04	0.0	0.0
34	25	0.0	-0.02	-1.98e-04	1.01e-06	0.0	0.0
34	26	0.0	-9.19e-04	-3.34e-04	2.08e-04	0.0	0.0
34	27	0.0	-0.02	-1.98e-04	1.01e-06	0.0	0.0
34	28	0.0	-8.01e-04	-3.34e-04	2.08e-04	0.0	0.0
34	29	0.0	-0.02	-1.98e-04	1.01e-06	0.0	0.0
34	30	0.0	-9.19e-04	-3.34e-04	2.08e-04	0.0	0.0
34	31	0.0	-0.02	-1.98e-04	1.01e-06	0.0	0.0
34	32	0.0	-8.01e-04	-3.34e-04	2.08e-04	0.0	0.0
34	33	0.0	-0.02	-1.98e-04	1.01e-06	0.0	0.0
34	34	0.0	-9.19e-04	-3.34e-04	2.08e-04	0.0	0.0
34	35	0.0	-0.02	-1.98e-04	1.01e-06	0.0	0.0
34	36	0.0	-8.01e-04	-3.34e-04	2.08e-04	0.0	0.0
34	37	0.0	-0.02	-1.98e-04	1.01e-06	0.0	0.0
34	38	0.0	-9.19e-04	-3.34e-04	2.08e-04	0.0	0.0
34	39	0.0	7.67e-06	-1.98e-04	1.01e-06	0.0	0.0
34	40	0.0	-7.67e-06	-1.98e-04	1.01e-06	0.0	0.0
34	41	0.0	7.67e-06	-1.98e-04	1.01e-06	0.0	0.0
34	42	0.0	-7.67e-06	-1.98e-04	1.01e-06	0.0	0.0
34	43	0.0	7.67e-06	-1.98e-04	1.01e-06	0.0	0.0
34	44	0.0	-7.67e-06	-1.98e-04	1.01e-06	0.0	0.0
34	45	0.0	7.67e-06	-1.98e-04	1.01e-06	0.0	0.0
34	46	0.0	-7.67e-06	-1.98e-04	1.01e-06	0.0	0.0
34	47	0.0	7.67e-06	-1.98e-04	1.01e-06	0.0	0.0
34	48	0.0	-7.67e-06	-1.98e-04	1.01e-06	0.0	0.0
34	49	0.0	7.67e-06	-1.98e-04	1.01e-06	0.0	0.0
34	50	0.0	-7.67e-06	-1.98e-04	1.01e-06	0.0	0.0
34	51	0.0	7.67e-06	-1.98e-04	1.01e-06	0.0	0.0
34	52	0.0	-7.67e-06	-1.98e-04	1.01e-06	0.0	0.0
34	53	0.0	7.67e-06	-1.98e-04	1.01e-06	0.0	0.0
34	54	0.0	-7.67e-06	-1.98e-04	1.01e-06	0.0	0.0
34	55	0.0	2.56e-05	-1.98e-04	1.01e-06	0.0	0.0
34	56	0.0	-2.56e-05	-1.98e-04	1.01e-06	0.0	0.0
34	57	0.0	2.56e-05	-1.98e-04	1.01e-06	0.0	0.0
34	58	0.0	-2.56e-05	-1.98e-04	1.01e-06	0.0	0.0
34	59	0.0	2.56e-05	-1.98e-04	1.01e-06	0.0	0.0
34	60	0.0	-2.56e-05	-1.98e-04	1.01e-06	0.0	0.0
34	61	0.0	2.56e-05	-1.98e-04	1.01e-06	0.0	0.0
34	62	0.0	-2.56e-05	-1.98e-04	1.01e-06	0.0	0.0
34	63	0.0	2.56e-05	-1.98e-04	1.01e-06	0.0	0.0
34	64	0.0	-2.56e-05	-1.98e-04	1.01e-06	0.0	0.0
34	65	0.0	2.56e-05	-1.98e-04	1.01e-06	0.0	0.0
34	66	0.0	-2.56e-05	-1.98e-04	1.01e-06	0.0	0.0
34	67	0.0	2.56e-05	-1.98e-04	1.01e-06	0.0	0.0
34	68	0.0	-2.56e-05	-1.98e-04	1.01e-06	0.0	0.0
34	69	0.0	2.56e-05	-1.98e-04	1.01e-06	0.0	0.0
34	70	0.0	-2.56e-05	-1.98e-04	1.01e-06	0.0	0.0
34	71	0.0	0.0	-1.98e-04	1.01e-06	0.0	0.0
34	72	0.0	0.0	-1.98e-04	1.01e-06	0.0	0.0
34	73	0.0	0.0	-1.98e-04	1.01e-06	0.0	0.0
34	74	0.0	0.0	-1.98e-04	1.01e-06	0.0	0.0
34	75	0.0	0.0	-1.98e-04	1.01e-06	0.0	0.0
34	76	0.0	0.0	-1.98e-04	1.01e-06	0.0	0.0
35	1	0.0	-2.23e-05	-2.77e-04	1.23e-06	0.0	0.0
35	2	0.0	-2.23e-05	-2.77e-04	1.23e-06	0.0	0.0
35	3	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
35	4	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
35	5	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
35	6	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
35	7	0.0	-2.96e-03	-3.11e-03	3.39e-06	0.0	0.0
35	8	0.0	5.04e-04	3.56e-04	-7.03e-06	0.0	0.0
35	9	0.0	-3.23e-03	-3.37e-03	3.62e-06	0.0	0.0
35	10	0.0	2.31e-04	8.87e-05	-6.80e-06	0.0	0.0
35	11	0.0	-2.96e-03	-3.11e-03	3.39e-06	0.0	0.0
35	12	0.0	5.04e-04	3.56e-04	-7.03e-06	0.0	0.0
35	13	0.0	-3.23e-03	-3.37e-03	3.62e-06	0.0	0.0
35	14	0.0	2.31e-04	8.87e-05	-6.80e-06	0.0	0.0

35	15	0.0	-2.96e-03	-3.11e-03	3.39e-06	0.0	0.0
35	16	0.0	5.04e-04	3.56e-04	-7.03e-06	0.0	0.0
35	17	0.0	-3.23e-03	-3.37e-03	3.62e-06	0.0	0.0
35	18	0.0	2.31e-04	8.87e-05	-6.80e-06	0.0	0.0
35	19	0.0	-2.96e-03	-3.11e-03	3.39e-06	0.0	0.0
35	20	0.0	5.04e-04	3.56e-04	-7.03e-06	0.0	0.0
35	21	0.0	-3.23e-03	-3.37e-03	3.62e-06	0.0	0.0
35	22	0.0	2.31e-04	8.87e-05	-6.80e-06	0.0	0.0
35	23	0.0	-0.01	-0.01	1.03e-05	0.0	0.0
35	24	0.0	2.71e-04	2.66e-04	-2.44e-05	0.0	0.0
35	25	0.0	-0.01	-0.01	1.04e-05	0.0	0.0
35	26	0.0	1.89e-04	1.86e-04	-2.44e-05	0.0	0.0
35	27	0.0	-0.01	-0.01	1.03e-05	0.0	0.0
35	28	0.0	2.71e-04	2.66e-04	-2.44e-05	0.0	0.0
35	29	0.0	-0.01	-0.01	1.04e-05	0.0	0.0
35	30	0.0	1.89e-04	1.86e-04	-2.44e-05	0.0	0.0
35	31	0.0	-0.01	-0.01	1.03e-05	0.0	0.0
35	32	0.0	2.70e-04	2.66e-04	-2.44e-05	0.0	0.0
35	33	0.0	-0.01	-0.01	1.04e-05	0.0	0.0
35	34	0.0	1.89e-04	1.86e-04	-2.44e-05	0.0	0.0
35	35	0.0	-0.01	-0.01	1.03e-05	0.0	0.0
35	36	0.0	2.70e-04	2.66e-04	-2.44e-05	0.0	0.0
35	37	0.0	-0.01	-0.01	1.04e-05	0.0	0.0
35	38	0.0	1.89e-04	1.86e-04	-2.44e-05	0.0	0.0
35	39	0.0	-1.01e-05	-2.12e-04	0.0	0.0	0.0
35	40	0.0	-2.43e-05	-2.14e-04	0.0	0.0	0.0
35	41	0.0	-1.01e-05	-2.12e-04	0.0	0.0	0.0
35	42	0.0	-2.43e-05	-2.14e-04	0.0	0.0	0.0
35	43	0.0	-1.01e-05	-2.12e-04	0.0	0.0	0.0
35	44	0.0	-2.43e-05	-2.14e-04	0.0	0.0	0.0
35	45	0.0	-1.01e-05	-2.12e-04	0.0	0.0	0.0
35	46	0.0	-2.43e-05	-2.14e-04	0.0	0.0	0.0
35	47	0.0	-1.01e-05	-2.12e-04	0.0	0.0	0.0
35	48	0.0	-2.43e-05	-2.14e-04	0.0	0.0	0.0
35	49	0.0	-1.01e-05	-2.12e-04	0.0	0.0	0.0
35	50	0.0	-2.43e-05	-2.14e-04	0.0	0.0	0.0
35	51	0.0	-1.01e-05	-2.12e-04	0.0	0.0	0.0
35	52	0.0	-2.43e-05	-2.14e-04	0.0	0.0	0.0
35	53	0.0	-1.01e-05	-2.12e-04	0.0	0.0	0.0
35	54	0.0	-2.43e-05	-2.14e-04	0.0	0.0	0.0
35	55	0.0	6.47e-06	-2.11e-04	0.0	0.0	0.0
35	56	0.0	-4.08e-05	-2.16e-04	1.00e-06	0.0	0.0
35	57	0.0	6.47e-06	-2.11e-04	0.0	0.0	0.0
35	58	0.0	-4.08e-05	-2.16e-04	1.00e-06	0.0	0.0
35	59	0.0	6.47e-06	-2.11e-04	0.0	0.0	0.0
35	60	0.0	-4.08e-05	-2.16e-04	1.00e-06	0.0	0.0
35	61	0.0	6.47e-06	-2.11e-04	0.0	0.0	0.0
35	62	0.0	-4.08e-05	-2.16e-04	1.00e-06	0.0	0.0
35	63	0.0	6.47e-06	-2.11e-04	0.0	0.0	0.0
35	64	0.0	-4.08e-05	-2.16e-04	1.00e-06	0.0	0.0
35	65	0.0	6.47e-06	-2.11e-04	0.0	0.0	0.0
35	66	0.0	-4.08e-05	-2.16e-04	1.00e-06	0.0	0.0
35	67	0.0	6.47e-06	-2.11e-04	0.0	0.0	0.0
35	68	0.0	-4.08e-05	-2.16e-04	1.00e-06	0.0	0.0
35	69	0.0	6.47e-06	-2.11e-04	0.0	0.0	0.0
35	70	0.0	-4.08e-05	-2.16e-04	1.00e-06	0.0	0.0
35	71	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
35	72	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
35	73	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
35	74	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
35	75	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
35	76	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
36	1	0.0	0.0	-2.82e-04	0.0	0.0	0.0
36	2	0.0	0.0	-2.82e-04	0.0	0.0	0.0
36	3	0.0	0.0	-2.17e-04	0.0	0.0	0.0
36	4	0.0	0.0	-2.17e-04	0.0	0.0	0.0
36	5	0.0	0.0	-2.17e-04	0.0	0.0	0.0
36	6	0.0	0.0	-2.17e-04	0.0	0.0	0.0
36	7	0.0	1.72e-05	-4.24e-03	0.0	0.0	0.0
36	8	0.0	-1.72e-05	3.85e-04	0.0	0.0	0.0
36	9	0.0	1.72e-05	-4.61e-03	0.0	0.0	0.0
36	10	0.0	-1.72e-05	1.37e-05	0.0	0.0	0.0
36	11	0.0	1.72e-05	-4.24e-03	0.0	0.0	0.0
36	12	0.0	-1.72e-05	3.85e-04	0.0	0.0	0.0
36	13	0.0	1.72e-05	-4.61e-03	0.0	0.0	0.0
36	14	0.0	-1.72e-05	1.37e-05	0.0	0.0	0.0
36	15	0.0	1.72e-05	-4.24e-03	0.0	0.0	0.0

36	16	0.0	-1.72e-05	3.85e-04	0.0	0.0	0.0
36	17	0.0	1.72e-05	-4.61e-03	0.0	0.0	0.0
36	18	0.0	-1.72e-05	1.37e-05	0.0	0.0	0.0
36	19	0.0	1.72e-05	-4.24e-03	0.0	0.0	0.0
36	20	0.0	-1.72e-05	3.85e-04	0.0	0.0	0.0
36	21	0.0	1.72e-05	-4.61e-03	0.0	0.0	0.0
36	22	0.0	-1.72e-05	1.37e-05	0.0	0.0	0.0
36	23	0.0	5.74e-05	-0.02	0.0	0.0	0.0
36	24	0.0	-5.74e-05	-1.80e-04	0.0	0.0	0.0
36	25	0.0	5.74e-05	-0.02	0.0	0.0	0.0
36	26	0.0	-5.74e-05	-2.92e-04	0.0	0.0	0.0
36	27	0.0	5.74e-05	-0.02	0.0	0.0	0.0
36	28	0.0	-5.74e-05	-1.80e-04	0.0	0.0	0.0
36	29	0.0	5.74e-05	-0.02	0.0	0.0	0.0
36	30	0.0	-5.74e-05	-2.92e-04	0.0	0.0	0.0
36	31	0.0	5.74e-05	-0.02	0.0	0.0	0.0
36	32	0.0	-5.74e-05	-1.80e-04	0.0	0.0	0.0
36	33	0.0	5.74e-05	-0.02	0.0	0.0	0.0
36	34	0.0	-5.74e-05	-2.92e-04	0.0	0.0	0.0
36	35	0.0	5.74e-05	-0.02	0.0	0.0	0.0
36	36	0.0	-5.74e-05	-1.80e-04	0.0	0.0	0.0
36	37	0.0	5.74e-05	-0.02	0.0	0.0	0.0
36	38	0.0	-5.74e-05	-2.92e-04	0.0	0.0	0.0
36	39	0.0	6.39e-06	-2.17e-04	0.0	0.0	0.0
36	40	0.0	-6.39e-06	-2.17e-04	0.0	0.0	0.0
36	41	0.0	6.39e-06	-2.17e-04	0.0	0.0	0.0
36	42	0.0	-6.39e-06	-2.17e-04	0.0	0.0	0.0
36	43	0.0	6.39e-06	-2.17e-04	0.0	0.0	0.0
36	44	0.0	-6.39e-06	-2.17e-04	0.0	0.0	0.0
36	45	0.0	6.39e-06	-2.17e-04	0.0	0.0	0.0
36	46	0.0	-6.39e-06	-2.17e-04	0.0	0.0	0.0
36	47	0.0	6.39e-06	-2.17e-04	0.0	0.0	0.0
36	48	0.0	-6.39e-06	-2.17e-04	0.0	0.0	0.0
36	49	0.0	6.39e-06	-2.17e-04	0.0	0.0	0.0
36	50	0.0	-6.39e-06	-2.17e-04	0.0	0.0	0.0
36	51	0.0	6.39e-06	-2.17e-04	0.0	0.0	0.0
36	52	0.0	-6.39e-06	-2.17e-04	0.0	0.0	0.0
36	53	0.0	6.39e-06	-2.17e-04	0.0	0.0	0.0
36	54	0.0	-6.39e-06	-2.17e-04	0.0	0.0	0.0
36	55	0.0	2.13e-05	-2.17e-04	0.0	0.0	0.0
36	56	0.0	-2.13e-05	-2.17e-04	0.0	0.0	0.0
36	57	0.0	2.13e-05	-2.17e-04	0.0	0.0	0.0
36	58	0.0	-2.13e-05	-2.17e-04	0.0	0.0	0.0
36	59	0.0	2.13e-05	-2.17e-04	0.0	0.0	0.0
36	60	0.0	-2.13e-05	-2.17e-04	0.0	0.0	0.0
36	61	0.0	2.13e-05	-2.17e-04	0.0	0.0	0.0
36	62	0.0	-2.13e-05	-2.17e-04	0.0	0.0	0.0
36	63	0.0	2.13e-05	-2.17e-04	0.0	0.0	0.0
36	64	0.0	-2.13e-05	-2.17e-04	0.0	0.0	0.0
36	65	0.0	2.13e-05	-2.17e-04	0.0	0.0	0.0
36	66	0.0	-2.13e-05	-2.17e-04	0.0	0.0	0.0
36	67	0.0	2.13e-05	-2.17e-04	0.0	0.0	0.0
36	68	0.0	-2.13e-05	-2.17e-04	0.0	0.0	0.0
36	69	0.0	2.13e-05	-2.17e-04	0.0	0.0	0.0
36	70	0.0	-2.13e-05	-2.17e-04	0.0	0.0	0.0
36	71	0.0	0.0	-2.17e-04	0.0	0.0	0.0
36	72	0.0	0.0	-2.17e-04	0.0	0.0	0.0
36	73	0.0	0.0	-2.17e-04	0.0	0.0	0.0
36	74	0.0	0.0	-2.17e-04	0.0	0.0	0.0
36	75	0.0	0.0	-2.17e-04	0.0	0.0	0.0
36	76	0.0	0.0	-2.17e-04	0.0	0.0	0.0
37	1	0.0	2.23e-05	-2.77e-04	-1.23e-06	0.0	0.0
37	2	0.0	2.23e-05	-2.77e-04	-1.23e-06	0.0	0.0
37	3	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
37	4	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
37	5	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
37	6	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
37	7	0.0	3.00e-03	-3.11e-03	-3.49e-06	0.0	0.0
37	8	0.0	-5.42e-04	3.60e-04	7.13e-06	0.0	0.0
37	9	0.0	3.27e-03	-3.38e-03	-3.72e-06	0.0	0.0
37	10	0.0	-2.69e-04	9.27e-05	6.90e-06	0.0	0.0
37	11	0.0	3.00e-03	-3.11e-03	-3.49e-06	0.0	0.0
37	12	0.0	-5.42e-04	3.60e-04	7.13e-06	0.0	0.0
37	13	0.0	3.27e-03	-3.38e-03	-3.72e-06	0.0	0.0
37	14	0.0	-2.69e-04	9.28e-05	6.90e-06	0.0	0.0
37	15	0.0	3.00e-03	-3.11e-03	-3.49e-06	0.0	0.0
37	16	0.0	-5.42e-04	3.60e-04	7.13e-06	0.0	0.0

37	17	0.0	3.27e-03	-3.38e-03	-3.72e-06	0.0	0.0
37	18	0.0	-2.69e-04	9.27e-05	6.90e-06	0.0	0.0
37	19	0.0	3.00e-03	-3.11e-03	-3.49e-06	0.0	0.0
37	20	0.0	-5.42e-04	3.60e-04	7.13e-06	0.0	0.0
37	21	0.0	3.27e-03	-3.38e-03	-3.72e-06	0.0	0.0
37	22	0.0	-2.69e-04	9.28e-05	6.90e-06	0.0	0.0
37	23	0.0	0.01	-0.01	-1.06e-05	0.0	0.0
37	24	0.0	-3.98e-04	2.80e-04	2.48e-05	0.0	0.0
37	25	0.0	0.01	-0.01	-1.07e-05	0.0	0.0
37	26	0.0	-3.16e-04	2.00e-04	2.47e-05	0.0	0.0
37	27	0.0	0.01	-0.01	-1.06e-05	0.0	0.0
37	28	0.0	-3.98e-04	2.80e-04	2.48e-05	0.0	0.0
37	29	0.0	0.01	-0.01	-1.07e-05	0.0	0.0
37	30	0.0	-3.16e-04	2.00e-04	2.47e-05	0.0	0.0
37	31	0.0	0.01	-0.01	-1.06e-05	0.0	0.0
37	32	0.0	-3.98e-04	2.80e-04	2.48e-05	0.0	0.0
37	33	0.0	0.01	-0.01	-1.07e-05	0.0	0.0
37	34	0.0	-3.16e-04	2.00e-04	2.47e-05	0.0	0.0
37	35	0.0	0.01	-0.01	-1.06e-05	0.0	0.0
37	36	0.0	-3.98e-04	2.80e-04	2.48e-05	0.0	0.0
37	37	0.0	0.01	-0.01	-1.07e-05	0.0	0.0
37	38	0.0	-3.16e-04	2.00e-04	2.47e-05	0.0	0.0
37	39	0.0	2.43e-05	-2.14e-04	0.0	0.0	0.0
37	40	0.0	1.01e-05	-2.12e-04	0.0	0.0	0.0
37	41	0.0	2.43e-05	-2.14e-04	0.0	0.0	0.0
37	42	0.0	1.01e-05	-2.12e-04	0.0	0.0	0.0
37	43	0.0	2.43e-05	-2.14e-04	0.0	0.0	0.0
37	44	0.0	1.01e-05	-2.12e-04	0.0	0.0	0.0
37	45	0.0	2.43e-05	-2.14e-04	0.0	0.0	0.0
37	46	0.0	1.01e-05	-2.12e-04	0.0	0.0	0.0
37	47	0.0	2.43e-05	-2.14e-04	0.0	0.0	0.0
37	48	0.0	1.01e-05	-2.12e-04	0.0	0.0	0.0
37	49	0.0	2.43e-05	-2.14e-04	0.0	0.0	0.0
37	50	0.0	1.01e-05	-2.12e-04	0.0	0.0	0.0
37	51	0.0	2.43e-05	-2.14e-04	0.0	0.0	0.0
37	52	0.0	1.01e-05	-2.12e-04	0.0	0.0	0.0
37	53	0.0	2.43e-05	-2.14e-04	0.0	0.0	0.0
37	54	0.0	1.01e-05	-2.12e-04	0.0	0.0	0.0
37	55	0.0	4.08e-05	-2.16e-04	-1.00e-06	0.0	0.0
37	56	0.0	-6.46e-06	-2.11e-04	0.0	0.0	0.0
37	57	0.0	4.08e-05	-2.16e-04	-1.00e-06	0.0	0.0
37	58	0.0	-6.46e-06	-2.11e-04	0.0	0.0	0.0
37	59	0.0	4.08e-05	-2.16e-04	-1.00e-06	0.0	0.0
37	60	0.0	-6.46e-06	-2.11e-04	0.0	0.0	0.0
37	61	0.0	4.08e-05	-2.16e-04	-1.00e-06	0.0	0.0
37	62	0.0	-6.46e-06	-2.11e-04	0.0	0.0	0.0
37	63	0.0	4.08e-05	-2.16e-04	-1.00e-06	0.0	0.0
37	64	0.0	-6.47e-06	-2.11e-04	0.0	0.0	0.0
37	65	0.0	4.08e-05	-2.16e-04	-1.00e-06	0.0	0.0
37	66	0.0	-6.47e-06	-2.11e-04	0.0	0.0	0.0
37	67	0.0	4.08e-05	-2.16e-04	-1.00e-06	0.0	0.0
37	68	0.0	-6.47e-06	-2.11e-04	0.0	0.0	0.0
37	69	0.0	4.08e-05	-2.16e-04	-1.00e-06	0.0	0.0
37	70	0.0	-6.47e-06	-2.11e-04	0.0	0.0	0.0
37	71	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
37	72	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
37	73	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
37	74	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
37	75	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
37	76	0.0	1.72e-05	-2.13e-04	0.0	0.0	0.0
38	1	0.0	0.0	-2.58e-04	-1.32e-06	0.0	0.0
38	2	0.0	0.0	-2.58e-04	-1.32e-06	0.0	0.0
38	3	0.0	0.0	-1.98e-04	-1.01e-06	0.0	0.0
38	4	0.0	0.0	-1.98e-04	-1.01e-06	0.0	0.0
38	5	0.0	0.0	-1.98e-04	-1.01e-06	0.0	0.0
38	6	0.0	0.0	-1.98e-04	-1.01e-06	0.0	0.0
38	7	0.0	4.30e-03	-1.98e-04	-1.01e-06	0.0	0.0
38	8	0.0	-4.29e-04	-2.39e-04	-6.32e-05	0.0	0.0
38	9	0.0	4.69e-03	-1.98e-04	-1.01e-06	0.0	0.0
38	10	0.0	-3.45e-05	-2.39e-04	-6.32e-05	0.0	0.0
38	11	0.0	4.30e-03	-1.98e-04	-1.01e-06	0.0	0.0
38	12	0.0	-4.29e-04	-2.39e-04	-6.32e-05	0.0	0.0
38	13	0.0	4.69e-03	-1.98e-04	-1.01e-06	0.0	0.0
38	14	0.0	-3.45e-05	-2.39e-04	-6.32e-05	0.0	0.0
38	15	0.0	4.30e-03	-1.98e-04	-1.01e-06	0.0	0.0
38	16	0.0	-4.29e-04	-2.39e-04	-6.32e-05	0.0	0.0
38	17	0.0	4.69e-03	-1.98e-04	-1.01e-06	0.0	0.0

38	18	0.0	-3.45e-05	-2.39e-04	-6.32e-05	0.0	0.0
38	19	0.0	4.30e-03	-1.98e-04	-1.01e-06	0.0	0.0
38	20	0.0	-4.29e-04	-2.39e-04	-6.32e-05	0.0	0.0
38	21	0.0	4.69e-03	-1.98e-04	-1.01e-06	0.0	0.0
38	22	0.0	-3.45e-05	-2.39e-04	-6.32e-05	0.0	0.0
38	23	0.0	0.02	-1.98e-04	-1.01e-06	0.0	0.0
38	24	0.0	6.63e-04	-3.34e-04	-2.08e-04	0.0	0.0
38	25	0.0	0.02	-1.98e-04	-1.01e-06	0.0	0.0
38	26	0.0	7.82e-04	-3.34e-04	-2.08e-04	0.0	0.0
38	27	0.0	0.02	-1.98e-04	-1.01e-06	0.0	0.0
38	28	0.0	6.63e-04	-3.34e-04	-2.08e-04	0.0	0.0
38	29	0.0	0.02	-1.98e-04	-1.01e-06	0.0	0.0
38	30	0.0	7.82e-04	-3.34e-04	-2.08e-04	0.0	0.0
38	31	0.0	0.02	-1.98e-04	-1.01e-06	0.0	0.0
38	32	0.0	6.63e-04	-3.34e-04	-2.08e-04	0.0	0.0
38	33	0.0	0.02	-1.98e-04	-1.01e-06	0.0	0.0
38	34	0.0	7.82e-04	-3.34e-04	-2.08e-04	0.0	0.0
38	35	0.0	0.02	-1.98e-04	-1.01e-06	0.0	0.0
38	36	0.0	6.63e-04	-3.34e-04	-2.08e-04	0.0	0.0
38	37	0.0	0.02	-1.98e-04	-1.01e-06	0.0	0.0
38	38	0.0	7.82e-04	-3.34e-04	-2.08e-04	0.0	0.0
38	39	0.0	7.67e-06	-1.98e-04	-1.01e-06	0.0	0.0
38	40	0.0	-7.67e-06	-1.98e-04	-1.01e-06	0.0	0.0
38	41	0.0	7.67e-06	-1.98e-04	-1.01e-06	0.0	0.0
38	42	0.0	-7.67e-06	-1.98e-04	-1.01e-06	0.0	0.0
38	43	0.0	7.67e-06	-1.98e-04	-1.01e-06	0.0	0.0
38	44	0.0	-7.67e-06	-1.98e-04	-1.01e-06	0.0	0.0
38	45	0.0	7.67e-06	-1.98e-04	-1.01e-06	0.0	0.0
38	46	0.0	-7.67e-06	-1.98e-04	-1.01e-06	0.0	0.0
38	47	0.0	7.67e-06	-1.98e-04	-1.01e-06	0.0	0.0
38	48	0.0	-7.67e-06	-1.98e-04	-1.01e-06	0.0	0.0
38	49	0.0	7.67e-06	-1.98e-04	-1.01e-06	0.0	0.0
38	50	0.0	-7.67e-06	-1.98e-04	-1.01e-06	0.0	0.0
38	51	0.0	7.67e-06	-1.98e-04	-1.01e-06	0.0	0.0
38	52	0.0	-7.67e-06	-1.98e-04	-1.01e-06	0.0	0.0
38	53	0.0	7.67e-06	-1.98e-04	-1.01e-06	0.0	0.0
38	54	0.0	-7.67e-06	-1.98e-04	-1.01e-06	0.0	0.0
38	55	0.0	2.56e-05	-1.98e-04	-1.01e-06	0.0	0.0
38	56	0.0	-2.56e-05	-1.98e-04	-1.01e-06	0.0	0.0
38	57	0.0	2.56e-05	-1.98e-04	-1.01e-06	0.0	0.0
38	58	0.0	-2.56e-05	-1.98e-04	-1.01e-06	0.0	0.0
38	59	0.0	2.56e-05	-1.98e-04	-1.01e-06	0.0	0.0
38	60	0.0	-2.56e-05	-1.98e-04	-1.01e-06	0.0	0.0
38	61	0.0	2.56e-05	-1.98e-04	-1.01e-06	0.0	0.0
38	62	0.0	-2.56e-05	-1.98e-04	-1.01e-06	0.0	0.0
38	63	0.0	2.56e-05	-1.98e-04	-1.01e-06	0.0	0.0
38	64	0.0	-2.56e-05	-1.98e-04	-1.01e-06	0.0	0.0
38	65	0.0	2.56e-05	-1.98e-04	-1.01e-06	0.0	0.0
38	66	0.0	-2.56e-05	-1.98e-04	-1.01e-06	0.0	0.0
38	67	0.0	2.56e-05	-1.98e-04	-1.01e-06	0.0	0.0
38	68	0.0	-2.56e-05	-1.98e-04	-1.01e-06	0.0	0.0
38	69	0.0	2.56e-05	-1.98e-04	-1.01e-06	0.0	0.0
38	70	0.0	-2.56e-05	-1.98e-04	-1.01e-06	0.0	0.0
38	71	0.0	0.0	-1.98e-04	-1.01e-06	0.0	0.0
38	72	0.0	0.0	-1.98e-04	-1.01e-06	0.0	0.0
38	73	0.0	0.0	-1.98e-04	-1.01e-06	0.0	0.0
38	74	0.0	0.0	-1.98e-04	-1.01e-06	0.0	0.0
38	75	0.0	0.0	-1.98e-04	-1.01e-06	0.0	0.0
38	76	0.0	0.0	-1.98e-04	-1.01e-06	0.0	0.0
39	1	0.0	-2.23e-05	-2.77e-04	-1.23e-06	0.0	0.0
39	2	0.0	-2.23e-05	-2.77e-04	-1.23e-06	0.0	0.0
39	3	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
39	4	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
39	5	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
39	6	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
39	7	0.0	2.96e-03	2.68e-03	1.60e-06	0.0	0.0
39	8	0.0	2.05e-03	1.55e-04	7.06e-05	0.0	0.0
39	9	0.0	3.24e-03	2.95e-03	1.83e-06	0.0	0.0
39	10	0.0	2.32e-03	4.21e-04	7.09e-05	0.0	0.0
39	11	0.0	2.96e-03	2.68e-03	1.60e-06	0.0	0.0
39	12	0.0	2.05e-03	1.55e-04	7.06e-05	0.0	0.0
39	13	0.0	3.24e-03	2.95e-03	1.83e-06	0.0	0.0
39	14	0.0	2.32e-03	4.21e-04	7.09e-05	0.0	0.0
39	15	0.0	2.96e-03	2.68e-03	1.60e-06	0.0	0.0
39	16	0.0	2.05e-03	1.55e-04	7.06e-05	0.0	0.0
39	17	0.0	3.24e-03	2.95e-03	1.83e-06	0.0	0.0
39	18	0.0	2.32e-03	4.21e-04	7.09e-05	0.0	0.0

39	19	0.0	2.96e-03	2.68e-03	1.60e-06	0.0	0.0
39	20	0.0	2.05e-03	1.55e-04	7.06e-05	0.0	0.0
39	21	0.0	3.24e-03	2.95e-03	1.83e-06	0.0	0.0
39	22	0.0	2.32e-03	4.21e-04	7.09e-05	0.0	0.0
39	23	0.0	0.01	0.01	8.75e-06	0.0	0.0
39	24	0.0	8.32e-03	2.43e-03	2.39e-04	0.0	0.0
39	25	0.0	0.01	0.01	8.81e-06	0.0	0.0
39	26	0.0	8.40e-03	2.51e-03	2.39e-04	0.0	0.0
39	27	0.0	0.01	0.01	8.75e-06	0.0	0.0
39	28	0.0	8.32e-03	2.43e-03	2.39e-04	0.0	0.0
39	29	0.0	0.01	0.01	8.81e-06	0.0	0.0
39	30	0.0	8.40e-03	2.51e-03	2.39e-04	0.0	0.0
39	31	0.0	0.01	0.01	8.75e-06	0.0	0.0
39	32	0.0	8.32e-03	2.43e-03	2.39e-04	0.0	0.0
39	33	0.0	0.01	0.01	8.81e-06	0.0	0.0
39	34	0.0	8.40e-03	2.51e-03	2.39e-04	0.0	0.0
39	35	0.0	0.01	0.01	8.75e-06	0.0	0.0
39	36	0.0	8.32e-03	2.43e-03	2.39e-04	0.0	0.0
39	37	0.0	0.01	0.01	8.81e-06	0.0	0.0
39	38	0.0	8.40e-03	2.51e-03	2.39e-04	0.0	0.0
39	39	0.0	-1.01e-05	-2.12e-04	0.0	0.0	0.0
39	40	0.0	-2.43e-05	-2.14e-04	0.0	0.0	0.0
39	41	0.0	-1.01e-05	-2.12e-04	0.0	0.0	0.0
39	42	0.0	-2.43e-05	-2.14e-04	0.0	0.0	0.0
39	43	0.0	-1.01e-05	-2.12e-04	0.0	0.0	0.0
39	44	0.0	-2.43e-05	-2.14e-04	0.0	0.0	0.0
39	45	0.0	-1.01e-05	-2.12e-04	0.0	0.0	0.0
39	46	0.0	-2.43e-05	-2.14e-04	0.0	0.0	0.0
39	47	0.0	-1.01e-05	-2.12e-04	0.0	0.0	0.0
39	48	0.0	-2.43e-05	-2.14e-04	0.0	0.0	0.0
39	49	0.0	-1.01e-05	-2.12e-04	0.0	0.0	0.0
39	50	0.0	-2.43e-05	-2.14e-04	0.0	0.0	0.0
39	51	0.0	-1.01e-05	-2.12e-04	0.0	0.0	0.0
39	52	0.0	-2.43e-05	-2.14e-04	0.0	0.0	0.0
39	53	0.0	-1.01e-05	-2.12e-04	0.0	0.0	0.0
39	54	0.0	-2.43e-05	-2.14e-04	0.0	0.0	0.0
39	55	0.0	6.47e-06	-2.11e-04	0.0	0.0	0.0
39	56	0.0	-4.08e-05	-2.16e-04	-1.00e-06	0.0	0.0
39	57	0.0	6.47e-06	-2.11e-04	0.0	0.0	0.0
39	58	0.0	-4.08e-05	-2.16e-04	-1.00e-06	0.0	0.0
39	59	0.0	6.47e-06	-2.11e-04	0.0	0.0	0.0
39	60	0.0	-4.08e-05	-2.16e-04	-1.00e-06	0.0	0.0
39	61	0.0	6.47e-06	-2.11e-04	0.0	0.0	0.0
39	62	0.0	-4.08e-05	-2.16e-04	-1.00e-06	0.0	0.0
39	63	0.0	6.47e-06	-2.11e-04	0.0	0.0	0.0
39	64	0.0	-4.08e-05	-2.16e-04	-1.00e-06	0.0	0.0
39	65	0.0	6.47e-06	-2.11e-04	0.0	0.0	0.0
39	66	0.0	-4.08e-05	-2.16e-04	-1.00e-06	0.0	0.0
39	67	0.0	6.47e-06	-2.11e-04	0.0	0.0	0.0
39	68	0.0	-4.08e-05	-2.16e-04	-1.00e-06	0.0	0.0
39	69	0.0	6.47e-06	-2.11e-04	0.0	0.0	0.0
39	70	0.0	-4.08e-05	-2.16e-04	-1.00e-06	0.0	0.0
39	71	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
39	72	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
39	73	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
39	74	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
39	75	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
39	76	0.0	-1.72e-05	-2.13e-04	0.0	0.0	0.0
40	1	0.0	0.0	-2.82e-04	0.0	0.0	0.0
40	2	0.0	0.0	-2.82e-04	0.0	0.0	0.0
40	3	0.0	0.0	-2.17e-04	0.0	0.0	0.0
40	4	0.0	0.0	-2.17e-04	0.0	0.0	0.0
40	5	0.0	0.0	-2.17e-04	0.0	0.0	0.0
40	6	0.0	0.0	-2.17e-04	0.0	0.0	0.0
40	7	0.0	1.72e-05	3.81e-03	0.0	0.0	0.0
40	8	0.0	-1.72e-05	-6.87e-03	0.0	0.0	0.0
40	9	0.0	1.72e-05	4.18e-03	0.0	0.0	0.0
40	10	0.0	-1.72e-05	-6.50e-03	0.0	0.0	0.0
40	11	0.0	1.72e-05	3.81e-03	0.0	0.0	0.0
40	12	0.0	-1.72e-05	-6.87e-03	0.0	0.0	0.0
40	13	0.0	1.72e-05	4.18e-03	0.0	0.0	0.0
40	14	0.0	-1.72e-05	-6.50e-03	0.0	0.0	0.0
40	15	0.0	1.72e-05	3.81e-03	0.0	0.0	0.0
40	16	0.0	-1.72e-05	-6.87e-03	0.0	0.0	0.0
40	17	0.0	1.72e-05	4.18e-03	0.0	0.0	0.0
40	18	0.0	-1.72e-05	-6.50e-03	0.0	0.0	0.0
40	19	0.0	1.72e-05	3.81e-03	0.0	0.0	0.0

40	20	0.0	-1.72e-05	-6.87e-03	0.0	0.0	0.0
40	21	0.0	1.72e-05	4.18e-03	0.0	0.0	0.0
40	22	0.0	-1.72e-05	-6.50e-03	0.0	0.0	0.0
40	23	0.0	5.74e-05	0.02	0.0	0.0	0.0
40	24	0.0	-5.74e-05	-0.02	0.0	0.0	0.0
40	25	0.0	5.74e-05	0.02	0.0	0.0	0.0
40	26	0.0	-5.74e-05	-0.02	0.0	0.0	0.0
40	27	0.0	5.74e-05	0.02	0.0	0.0	0.0
40	28	0.0	-5.74e-05	-0.02	0.0	0.0	0.0
40	29	0.0	5.74e-05	0.02	0.0	0.0	0.0
40	30	0.0	-5.74e-05	-0.02	0.0	0.0	0.0
40	31	0.0	5.74e-05	0.02	0.0	0.0	0.0
40	32	0.0	-5.74e-05	-0.02	0.0	0.0	0.0
40	33	0.0	5.74e-05	0.02	0.0	0.0	0.0
40	34	0.0	-5.74e-05	-0.02	0.0	0.0	0.0
40	35	0.0	5.74e-05	0.02	0.0	0.0	0.0
40	36	0.0	-5.74e-05	-0.02	0.0	0.0	0.0
40	37	0.0	5.74e-05	0.02	0.0	0.0	0.0
40	38	0.0	-5.74e-05	-0.02	0.0	0.0	0.0
40	39	0.0	6.39e-06	-2.17e-04	0.0	0.0	0.0
40	40	0.0	-6.39e-06	-2.17e-04	0.0	0.0	0.0
40	41	0.0	6.39e-06	-2.17e-04	0.0	0.0	0.0
40	42	0.0	-6.39e-06	-2.17e-04	0.0	0.0	0.0
40	43	0.0	6.39e-06	-2.17e-04	0.0	0.0	0.0
40	44	0.0	-6.39e-06	-2.17e-04	0.0	0.0	0.0
40	45	0.0	6.39e-06	-2.17e-04	0.0	0.0	0.0
40	46	0.0	-6.39e-06	-2.17e-04	0.0	0.0	0.0
40	47	0.0	6.39e-06	-2.17e-04	0.0	0.0	0.0
40	48	0.0	-6.39e-06	-2.17e-04	0.0	0.0	0.0
40	49	0.0	6.39e-06	-2.17e-04	0.0	0.0	0.0
40	50	0.0	-6.39e-06	-2.17e-04	0.0	0.0	0.0
40	51	0.0	6.39e-06	-2.17e-04	0.0	0.0	0.0
40	52	0.0	-6.39e-06	-2.17e-04	0.0	0.0	0.0
40	53	0.0	6.39e-06	-2.17e-04	0.0	0.0	0.0
40	54	0.0	-6.39e-06	-2.17e-04	0.0	0.0	0.0
40	55	0.0	2.13e-05	-2.17e-04	0.0	0.0	0.0
40	56	0.0	-2.13e-05	-2.17e-04	0.0	0.0	0.0
40	57	0.0	2.13e-05	-2.17e-04	0.0	0.0	0.0
40	58	0.0	-2.13e-05	-2.17e-04	0.0	0.0	0.0
40	59	0.0	2.13e-05	-2.17e-04	0.0	0.0	0.0
40	60	0.0	-2.13e-05	-2.17e-04	0.0	0.0	0.0
40	61	0.0	2.13e-05	-2.17e-04	0.0	0.0	0.0
40	62	0.0	-2.13e-05	-2.17e-04	0.0	0.0	0.0
40	63	0.0	2.13e-05	-2.17e-04	0.0	0.0	0.0
40	64	0.0	-2.13e-05	-2.17e-04	0.0	0.0	0.0
40	65	0.0	2.13e-05	-2.17e-04	0.0	0.0	0.0
40	66	0.0	-2.13e-05	-2.17e-04	0.0	0.0	0.0
40	67	0.0	2.13e-05	-2.17e-04	0.0	0.0	0.0
40	68	0.0	-2.13e-05	-2.17e-04	0.0	0.0	0.0
40	69	0.0	2.13e-05	-2.17e-04	0.0	0.0	0.0
40	70	0.0	-2.13e-05	-2.17e-04	0.0	0.0	0.0
40	71	0.0	0.0	-2.17e-04	0.0	0.0	0.0
40	72	0.0	0.0	-2.17e-04	0.0	0.0	0.0
40	73	0.0	0.0	-2.17e-04	0.0	0.0	0.0
40	74	0.0	0.0	-2.17e-04	0.0	0.0	0.0
40	75	0.0	0.0	-2.17e-04	0.0	0.0	0.0
40	76	0.0	0.0	-2.17e-04	0.0	0.0	0.0
41	1	-1.07e-05	2.27e-05	-2.61e-04	1.24e-06	0.0	0.0
41	2	-1.07e-05	2.27e-05	-2.61e-04	1.24e-06	0.0	0.0
41	3	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
41	4	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
41	5	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
41	6	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
41	7	-3.95e-05	-2.93e-03	2.70e-03	-1.30e-06	-2.28e-05	-2.25e-05
41	8	1.45e-04	-1.85e-03	6.93e-05	-6.42e-05	1.42e-05	2.16e-05
41	9	-4.24e-05	-3.21e-03	2.97e-03	-1.50e-06	-2.48e-05	-2.46e-05
41	10	1.42e-04	-2.12e-03	3.37e-04	-6.44e-05	1.21e-05	1.95e-05
41	11	-3.97e-05	-2.93e-03	2.70e-03	-1.30e-06	-2.28e-05	-2.25e-05
41	12	1.45e-04	-1.85e-03	6.90e-05	-6.42e-05	1.42e-05	2.16e-05
41	13	-4.26e-05	-3.21e-03	2.97e-03	-1.50e-06	-2.49e-05	-2.46e-05
41	14	1.42e-04	-2.12e-03	3.37e-04	-6.44e-05	1.21e-05	1.95e-05
41	15	-3.95e-05	-2.93e-03	2.70e-03	-1.29e-06	-2.28e-05	-2.25e-05
41	16	1.45e-04	-1.85e-03	6.93e-05	-6.42e-05	1.42e-05	2.16e-05
41	17	-4.24e-05	-3.21e-03	2.97e-03	-1.51e-06	-2.48e-05	-2.46e-05
41	18	1.42e-04	-2.12e-03	3.37e-04	-6.44e-05	1.21e-05	1.95e-05
41	19	-3.97e-05	-2.93e-03	2.70e-03	-1.28e-06	-2.28e-05	-2.25e-05
41	20	1.45e-04	-1.85e-03	6.90e-05	-6.42e-05	1.42e-05	2.16e-05

41	21	-4.26e-05	-3.21e-03	2.97e-03	-1.51e-06	-2.49e-05	-2.46e-05
41	22	1.42e-04	-2.12e-03	3.37e-04	-6.44e-05	1.21e-05	1.95e-05
41	23	-1.28e-04	-0.01	0.01	-7.65e-06	-8.63e-05	-8.56e-05
41	24	4.86e-04	-7.65e-03	2.12e-03	-2.17e-04	3.68e-05	6.13e-05
41	25	-1.29e-04	-0.01	0.01	-7.71e-06	-8.69e-05	-8.63e-05
41	26	4.85e-04	-7.73e-03	2.20e-03	-2.17e-04	3.62e-05	6.06e-05
41	27	-1.28e-04	-0.01	0.01	-7.65e-06	-8.63e-05	-8.56e-05
41	28	4.86e-04	-7.65e-03	2.12e-03	-2.17e-04	3.68e-05	6.13e-05
41	29	-1.29e-04	-0.01	0.01	-7.71e-06	-8.69e-05	-8.63e-05
41	30	4.85e-04	-7.73e-03	2.20e-03	-2.17e-04	3.62e-05	6.06e-05
41	31	-1.28e-04	-0.01	0.01	-7.65e-06	-8.64e-05	-8.57e-05
41	32	4.87e-04	-7.65e-03	2.12e-03	-2.17e-04	3.69e-05	6.13e-05
41	33	-1.29e-04	-0.01	0.01	-7.71e-06	-8.70e-05	-8.63e-05
41	34	4.86e-04	-7.73e-03	2.20e-03	-2.17e-04	3.63e-05	6.07e-05
41	35	-1.28e-04	-0.01	0.01	-7.64e-06	-8.64e-05	-8.57e-05
41	36	4.87e-04	-7.65e-03	2.12e-03	-2.17e-04	3.69e-05	6.13e-05
41	37	-1.29e-04	-0.01	0.01	-7.71e-06	-8.70e-05	-8.63e-05
41	38	4.86e-04	-7.73e-03	2.20e-03	-2.17e-04	3.63e-05	6.07e-05
41	39	-8.43e-06	2.40e-05	-2.01e-04	0.0	0.0	0.0
41	40	-8.03e-06	1.09e-05	-2.00e-04	0.0	0.0	0.0
41	41	-8.44e-06	2.41e-05	-2.01e-04	0.0	0.0	0.0
41	42	-8.04e-06	1.09e-05	-2.00e-04	0.0	0.0	0.0
41	43	-8.49e-06	2.36e-05	-2.01e-04	0.0	0.0	0.0
41	44	-7.97e-06	1.13e-05	-2.00e-04	0.0	0.0	0.0
41	45	-8.50e-06	2.36e-05	-2.01e-04	0.0	0.0	0.0
41	46	-7.98e-06	1.13e-05	-2.00e-04	0.0	0.0	0.0
41	47	-8.43e-06	2.40e-05	-2.01e-04	0.0	0.0	0.0
41	48	-8.03e-06	1.09e-05	-2.00e-04	0.0	0.0	0.0
41	49	-8.44e-06	2.41e-05	-2.01e-04	0.0	0.0	0.0
41	50	-8.04e-06	1.09e-05	-2.00e-04	0.0	0.0	0.0
41	51	-8.49e-06	2.36e-05	-2.01e-04	0.0	0.0	0.0
41	52	-7.97e-06	1.13e-05	-2.00e-04	0.0	0.0	0.0
41	53	-8.50e-06	2.36e-05	-2.01e-04	0.0	0.0	0.0
41	54	-7.98e-06	1.13e-05	-2.00e-04	0.0	0.0	0.0
41	55	-8.90e-06	3.95e-05	-2.03e-04	1.01e-06	0.0	0.0
41	56	-7.56e-06	-4.53e-06	-1.99e-04	0.0	0.0	0.0
41	57	-8.91e-06	3.95e-05	-2.03e-04	1.01e-06	0.0	0.0
41	58	-7.57e-06	-4.52e-06	-1.99e-04	0.0	0.0	0.0
41	59	-8.90e-06	3.95e-05	-2.03e-04	1.01e-06	0.0	0.0
41	60	-7.56e-06	-4.53e-06	-1.99e-04	0.0	0.0	0.0
41	61	-8.91e-06	3.95e-05	-2.03e-04	1.01e-06	0.0	0.0
41	62	-7.57e-06	-4.52e-06	-1.99e-04	0.0	0.0	0.0
41	63	-9.11e-06	3.80e-05	-2.02e-04	1.01e-06	0.0	0.0
41	64	-7.36e-06	-3.05e-06	-1.99e-04	0.0	0.0	0.0
41	65	-9.11e-06	3.80e-05	-2.02e-04	1.01e-06	0.0	0.0
41	66	-7.36e-06	-3.04e-06	-1.99e-04	0.0	0.0	0.0
41	67	-9.11e-06	3.80e-05	-2.02e-04	1.01e-06	0.0	0.0
41	68	-7.36e-06	-3.05e-06	-1.99e-04	0.0	0.0	0.0
41	69	-9.11e-06	3.80e-05	-2.02e-04	1.01e-06	0.0	0.0
41	70	-7.36e-06	-3.04e-06	-1.99e-04	0.0	0.0	0.0
41	71	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
41	72	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
41	73	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
41	74	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
41	75	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
41	76	-8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
42	1	0.0	0.0	-2.41e-04	1.37e-06	0.0	0.0
42	2	0.0	0.0	-2.41e-04	1.37e-06	0.0	0.0
42	3	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
42	4	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
42	5	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
42	6	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
42	7	-2.42e-05	-4.26e-03	-1.85e-04	1.06e-06	0.0	-3.12e-05
42	8	2.43e-05	3.89e-04	-2.33e-04	5.77e-05	1.42e-06	4.41e-06
42	9	-2.64e-05	-4.65e-03	-1.85e-04	1.05e-06	0.0	-3.41e-05
42	10	2.21e-05	-4.91e-06	-2.33e-04	5.77e-05	1.42e-06	1.55e-06
42	11	-2.44e-05	-4.26e-03	-1.85e-04	1.05e-06	0.0	-3.12e-05
42	12	2.46e-05	3.91e-04	-2.33e-04	5.77e-05	1.42e-06	4.44e-06
42	13	-2.66e-05	-4.66e-03	-1.85e-04	1.05e-06	0.0	-3.41e-05
42	14	2.24e-05	-3.34e-06	-2.33e-04	5.77e-05	1.42e-06	1.58e-06
42	15	-2.42e-05	-4.26e-03	-1.85e-04	1.06e-06	0.0	-3.12e-05
42	16	2.43e-05	3.89e-04	-2.33e-04	5.77e-05	1.42e-06	4.41e-06
42	17	-2.64e-05	-4.65e-03	-1.85e-04	1.05e-06	0.0	-3.41e-05
42	18	2.21e-05	-4.92e-06	-2.33e-04	5.77e-05	1.42e-06	1.55e-06
42	19	-2.44e-05	-4.26e-03	-1.85e-04	1.05e-06	0.0	-3.12e-05
42	20	2.46e-05	3.91e-04	-2.33e-04	5.77e-05	1.42e-06	4.44e-06
42	21	-2.66e-05	-4.66e-03	-1.85e-04	1.05e-06	0.0	-3.41e-05

42	22	2.24e-05	-3.35e-06	-2.33e-04	5.77e-05	1.42e-06	1.58e-06
42	23	-9.21e-05	-0.02	-1.85e-04	1.06e-06	0.0	-1.19e-04
42	24	6.95e-05	-7.96e-04	-3.45e-04	1.90e-04	5.10e-06	0.0
42	25	-9.28e-05	-0.02	-1.85e-04	1.05e-06	0.0	-1.20e-04
42	26	6.88e-05	-9.14e-04	-3.45e-04	1.90e-04	5.10e-06	-1.32e-06
42	27	-9.21e-05	-0.02	-1.85e-04	1.06e-06	0.0	-1.19e-04
42	28	6.95e-05	-7.96e-04	-3.45e-04	1.90e-04	5.10e-06	0.0
42	29	-9.28e-05	-0.02	-1.85e-04	1.05e-06	0.0	-1.20e-04
42	30	6.88e-05	-9.14e-04	-3.45e-04	1.90e-04	5.10e-06	-1.32e-06
42	31	-9.30e-05	-0.02	-1.85e-04	1.05e-06	0.0	-1.19e-04
42	32	7.03e-05	-7.90e-04	-3.45e-04	1.90e-04	5.10e-06	0.0
42	33	-9.36e-05	-0.02	-1.85e-04	1.05e-06	0.0	-1.20e-04
42	34	6.97e-05	-9.09e-04	-3.45e-04	1.90e-04	5.10e-06	-1.25e-06
42	35	-9.30e-05	-0.02	-1.85e-04	1.05e-06	0.0	-1.19e-04
42	36	7.03e-05	-7.90e-04	-3.45e-04	1.90e-04	5.10e-06	0.0
42	37	-9.36e-05	-0.02	-1.85e-04	1.05e-06	0.0	-1.20e-04
42	38	6.97e-05	-9.09e-04	-3.45e-04	1.90e-04	5.10e-06	-1.25e-06
42	39	0.0	7.01e-06	-1.85e-04	1.05e-06	0.0	0.0
42	40	0.0	-7.10e-06	-1.85e-04	1.05e-06	0.0	0.0
42	41	0.0	7.10e-06	-1.85e-04	1.05e-06	0.0	0.0
42	42	0.0	-7.01e-06	-1.85e-04	1.05e-06	0.0	0.0
42	43	0.0	6.43e-06	-1.85e-04	1.05e-06	0.0	0.0
42	44	0.0	-6.52e-06	-1.85e-04	1.05e-06	0.0	0.0
42	45	0.0	6.52e-06	-1.85e-04	1.05e-06	0.0	0.0
42	46	0.0	-6.43e-06	-1.85e-04	1.05e-06	0.0	0.0
42	47	0.0	7.02e-06	-1.85e-04	1.05e-06	0.0	0.0
42	48	0.0	-7.10e-06	-1.85e-04	1.05e-06	0.0	0.0
42	49	0.0	7.10e-06	-1.85e-04	1.05e-06	0.0	0.0
42	50	0.0	-7.01e-06	-1.85e-04	1.05e-06	0.0	0.0
42	51	0.0	6.43e-06	-1.85e-04	1.05e-06	0.0	0.0
42	52	0.0	-6.51e-06	-1.85e-04	1.05e-06	0.0	0.0
42	53	0.0	6.51e-06	-1.85e-04	1.05e-06	0.0	0.0
42	54	0.0	-6.43e-06	-1.85e-04	1.05e-06	0.0	0.0
42	55	0.0	2.35e-05	-1.85e-04	1.06e-06	0.0	0.0
42	56	0.0	-2.35e-05	-1.85e-04	1.05e-06	0.0	0.0
42	57	0.0	2.35e-05	-1.85e-04	1.06e-06	0.0	0.0
42	58	0.0	-2.35e-05	-1.85e-04	1.05e-06	0.0	0.0
42	59	0.0	2.35e-05	-1.85e-04	1.06e-06	0.0	0.0
42	60	0.0	-2.35e-05	-1.85e-04	1.05e-06	0.0	0.0
42	61	0.0	2.35e-05	-1.85e-04	1.06e-06	0.0	0.0
42	62	0.0	-2.35e-05	-1.85e-04	1.05e-06	0.0	0.0
42	63	-1.21e-06	2.16e-05	-1.85e-04	1.05e-06	0.0	0.0
42	64	1.22e-06	-2.16e-05	-1.85e-04	1.05e-06	0.0	0.0
42	65	-1.22e-06	2.16e-05	-1.85e-04	1.05e-06	0.0	0.0
42	66	1.21e-06	-2.16e-05	-1.85e-04	1.05e-06	0.0	0.0
42	67	-1.21e-06	2.16e-05	-1.85e-04	1.05e-06	0.0	0.0
42	68	1.22e-06	-2.16e-05	-1.85e-04	1.05e-06	0.0	0.0
42	69	-1.22e-06	2.16e-05	-1.85e-04	1.05e-06	0.0	0.0
42	70	1.21e-06	-2.16e-05	-1.85e-04	1.05e-06	0.0	0.0
42	71	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
42	72	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
42	73	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
42	74	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
42	75	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
42	76	0.0	0.0	-1.85e-04	1.05e-06	0.0	0.0
43	1	1.07e-05	-2.27e-05	-2.61e-04	1.24e-06	0.0	0.0
43	2	1.07e-05	-2.27e-05	-2.61e-04	1.24e-06	0.0	0.0
43	3	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
43	4	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
43	5	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
43	6	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
43	7	-2.31e-05	-2.97e-03	-3.11e-03	3.20e-06	2.23e-05	-2.23e-05
43	8	7.13e-06	4.99e-04	3.59e-04	-5.52e-06	-2.82e-06	3.13e-06
43	9	-2.59e-05	-3.24e-03	-3.37e-03	3.40e-06	2.43e-05	-2.43e-05
43	10	4.25e-06	2.25e-04	9.12e-05	-5.32e-06	0.0	1.08e-06
43	11	-2.32e-05	-2.97e-03	-3.11e-03	3.20e-06	2.23e-05	-2.23e-05
43	12	7.30e-06	5.00e-04	3.59e-04	-5.52e-06	-2.83e-06	3.13e-06
43	13	-2.61e-05	-3.24e-03	-3.37e-03	3.40e-06	2.44e-05	-2.44e-05
43	14	4.42e-06	2.27e-04	9.15e-05	-5.32e-06	0.0	1.08e-06
43	15	-2.31e-05	-2.97e-03	-3.11e-03	3.19e-06	2.23e-05	-2.23e-05
43	16	7.12e-06	4.99e-04	3.59e-04	-5.53e-06	-2.82e-06	3.13e-06
43	17	-2.59e-05	-3.24e-03	-3.37e-03	3.41e-06	2.43e-05	-2.43e-05
43	18	4.25e-06	2.25e-04	9.12e-05	-5.31e-06	0.0	1.08e-06
43	19	-2.32e-05	-2.97e-03	-3.11e-03	3.19e-06	2.23e-05	-2.23e-05
43	20	7.29e-06	5.00e-04	3.59e-04	-5.53e-06	-2.83e-06	3.13e-06
43	21	-2.61e-05	-3.24e-03	-3.37e-03	3.41e-06	2.44e-05	-2.44e-05
43	22	4.43e-06	2.26e-04	9.15e-05	-5.31e-06	0.0	1.08e-06

43	23	-1.11e-04	-0.01	-0.01	9.56e-06	8.58e-05	-8.54e-05
43	24	-1.06e-05	2.51e-04	2.43e-04	-1.95e-05	2.21e-06	0.0
43	25	-1.12e-04	-0.01	-0.01	9.62e-06	8.64e-05	-8.61e-05
43	26	-1.14e-05	1.69e-04	1.63e-04	-1.95e-05	2.83e-06	-1.30e-06
43	27	-1.11e-04	-0.01	-0.01	9.55e-06	8.58e-05	-8.54e-05
43	28	-1.06e-05	2.51e-04	2.43e-04	-1.95e-05	2.21e-06	0.0
43	29	-1.12e-04	-0.01	-0.01	9.62e-06	8.64e-05	-8.61e-05
43	30	-1.14e-05	1.69e-04	1.63e-04	-1.94e-05	2.83e-06	-1.30e-06
43	31	-1.12e-04	-0.01	-0.01	9.55e-06	8.59e-05	-8.55e-05
43	32	-1.00e-05	2.55e-04	2.44e-04	-1.95e-05	2.17e-06	0.0
43	33	-1.13e-04	-0.01	-0.01	9.61e-06	8.65e-05	-8.61e-05
43	34	-1.09e-05	1.73e-04	1.64e-04	-1.94e-05	2.79e-06	-1.29e-06
43	35	-1.12e-04	-0.01	-0.01	9.55e-06	8.59e-05	-8.55e-05
43	36	-1.00e-05	2.55e-04	2.44e-04	-1.95e-05	2.17e-06	0.0
43	37	-1.13e-04	-0.01	-0.01	9.62e-06	8.65e-05	-8.61e-05
43	38	-1.09e-05	1.73e-04	1.64e-04	-1.94e-05	2.79e-06	-1.29e-06
43	39	8.04e-06	-1.09e-05	-2.00e-04	0.0	0.0	0.0
43	40	8.44e-06	-2.41e-05	-2.01e-04	0.0	0.0	0.0
43	41	8.03e-06	-1.09e-05	-2.00e-04	0.0	0.0	0.0
43	42	8.43e-06	-2.40e-05	-2.01e-04	0.0	0.0	0.0
43	43	7.98e-06	-1.13e-05	-2.00e-04	0.0	0.0	0.0
43	44	8.50e-06	-2.36e-05	-2.01e-04	0.0	0.0	0.0
43	45	7.97e-06	-1.13e-05	-2.00e-04	0.0	0.0	0.0
43	46	8.49e-06	-2.36e-05	-2.01e-04	0.0	0.0	0.0
43	47	8.04e-06	-1.09e-05	-2.00e-04	0.0	0.0	0.0
43	48	8.44e-06	-2.41e-05	-2.01e-04	0.0	0.0	0.0
43	49	8.03e-06	-1.09e-05	-2.00e-04	0.0	0.0	0.0
43	50	8.43e-06	-2.40e-05	-2.01e-04	0.0	0.0	0.0
43	51	7.98e-06	-1.13e-05	-2.00e-04	0.0	0.0	0.0
43	52	8.50e-06	-2.36e-05	-2.01e-04	0.0	0.0	0.0
43	53	7.97e-06	-1.13e-05	-2.00e-04	0.0	0.0	0.0
43	54	8.49e-06	-2.36e-05	-2.01e-04	0.0	0.0	0.0
43	55	7.57e-06	4.51e-06	-1.99e-04	0.0	0.0	0.0
43	56	8.90e-06	-3.95e-05	-2.03e-04	1.01e-06	0.0	0.0
43	57	7.57e-06	4.52e-06	-1.99e-04	0.0	0.0	0.0
43	58	8.90e-06	-3.94e-05	-2.03e-04	1.01e-06	0.0	0.0
43	59	7.57e-06	4.51e-06	-1.99e-04	0.0	0.0	0.0
43	60	8.90e-06	-3.95e-05	-2.03e-04	1.01e-06	0.0	0.0
43	61	7.57e-06	4.52e-06	-1.99e-04	0.0	0.0	0.0
43	62	8.90e-06	-3.94e-05	-2.03e-04	1.01e-06	0.0	0.0
43	63	7.36e-06	3.04e-06	-1.99e-04	0.0	0.0	0.0
43	64	9.11e-06	-3.80e-05	-2.02e-04	1.01e-06	0.0	0.0
43	65	7.36e-06	3.05e-06	-1.99e-04	0.0	0.0	0.0
43	66	9.11e-06	-3.80e-05	-2.02e-04	1.01e-06	0.0	0.0
43	67	7.36e-06	3.04e-06	-1.99e-04	0.0	0.0	0.0
43	68	9.11e-06	-3.80e-05	-2.02e-04	1.01e-06	0.0	0.0
43	69	7.36e-06	3.05e-06	-1.99e-04	0.0	0.0	0.0
43	70	9.11e-06	-3.80e-05	-2.02e-04	1.01e-06	0.0	0.0
43	71	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
43	72	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
43	73	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
43	74	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
43	75	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
43	76	8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
44	1	1.41e-05	0.0	-2.68e-04	0.0	0.0	0.0
44	2	1.41e-05	0.0	-2.68e-04	0.0	0.0	0.0
44	3	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
44	4	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
44	5	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
44	6	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
44	7	-2.63e-05	1.63e-05	-4.25e-03	0.0	3.18e-05	0.0
44	8	1.96e-05	-1.62e-05	4.05e-04	0.0	-5.95e-06	0.0
44	9	-2.97e-05	1.62e-05	-4.62e-03	0.0	3.48e-05	0.0
44	10	1.62e-05	-1.63e-05	3.21e-05	0.0	-2.98e-06	0.0
44	11	-2.63e-05	1.54e-05	-4.25e-03	0.0	3.18e-05	0.0
44	12	1.96e-05	-1.54e-05	4.05e-04	0.0	-5.95e-06	0.0
44	13	-2.97e-05	1.54e-05	-4.62e-03	0.0	3.48e-05	0.0
44	14	1.62e-05	-1.54e-05	3.21e-05	0.0	-2.98e-06	0.0
44	15	-2.63e-05	1.62e-05	-4.25e-03	0.0	3.18e-05	0.0
44	16	1.96e-05	-1.63e-05	4.05e-04	0.0	-5.95e-06	0.0
44	17	-2.97e-05	1.63e-05	-4.62e-03	0.0	3.48e-05	0.0
44	18	1.62e-05	-1.62e-05	3.21e-05	0.0	-2.98e-06	0.0
44	19	-2.63e-05	1.54e-05	-4.25e-03	0.0	3.18e-05	0.0
44	20	1.96e-05	-1.54e-05	4.05e-04	0.0	-5.95e-06	0.0
44	21	-2.97e-05	1.54e-05	-4.62e-03	0.0	3.48e-05	0.0
44	22	1.62e-05	-1.54e-05	3.21e-05	0.0	-2.98e-06	0.0
44	23	-1.31e-04	5.42e-05	-0.02	0.0	1.23e-04	0.0

44	24	2.20e-05	-5.42e-05	-1.48e-04	0.0	-3.46e-06	0.0
44	25	-1.32e-04	5.42e-05	-0.02	0.0	1.23e-04	0.0
44	26	2.10e-05	-5.42e-05	-2.60e-04	0.0	-2.57e-06	0.0
44	27	-1.31e-04	5.42e-05	-0.02	0.0	1.23e-04	0.0
44	28	2.20e-05	-5.42e-05	-1.48e-04	0.0	-3.46e-06	0.0
44	29	-1.32e-04	5.42e-05	-0.02	0.0	1.23e-04	0.0
44	30	2.10e-05	-5.42e-05	-2.60e-04	0.0	-2.57e-06	0.0
44	31	-1.31e-04	5.14e-05	-0.02	0.0	1.23e-04	0.0
44	32	2.20e-05	-5.14e-05	-1.48e-04	0.0	-3.45e-06	0.0
44	33	-1.32e-04	5.14e-05	-0.02	0.0	1.23e-04	0.0
44	34	2.10e-05	-5.14e-05	-2.60e-04	0.0	-2.57e-06	0.0
44	35	-1.31e-04	5.14e-05	-0.02	0.0	1.23e-04	0.0
44	36	2.20e-05	-5.14e-05	-1.48e-04	0.0	-3.45e-06	0.0
44	37	-1.32e-04	5.14e-05	-0.02	0.0	1.23e-04	0.0
44	38	2.10e-05	-5.14e-05	-2.60e-04	0.0	-2.57e-06	0.0
44	39	1.08e-05	6.04e-06	-2.06e-04	0.0	0.0	0.0
44	40	1.08e-05	-6.03e-06	-2.06e-04	0.0	0.0	0.0
44	41	1.08e-05	6.03e-06	-2.06e-04	0.0	0.0	0.0
44	42	1.08e-05	-6.04e-06	-2.06e-04	0.0	0.0	0.0
44	43	1.08e-05	5.73e-06	-2.06e-04	0.0	0.0	0.0
44	44	1.08e-05	-5.71e-06	-2.06e-04	0.0	0.0	0.0
44	45	1.08e-05	5.71e-06	-2.06e-04	0.0	0.0	0.0
44	46	1.08e-05	-5.73e-06	-2.06e-04	0.0	0.0	0.0
44	47	1.08e-05	6.02e-06	-2.06e-04	0.0	0.0	0.0
44	48	1.08e-05	-6.04e-06	-2.06e-04	0.0	0.0	0.0
44	49	1.08e-05	6.04e-06	-2.06e-04	0.0	0.0	0.0
44	50	1.08e-05	-6.02e-06	-2.06e-04	0.0	0.0	0.0
44	51	1.08e-05	5.71e-06	-2.06e-04	0.0	0.0	0.0
44	52	1.08e-05	-5.73e-06	-2.06e-04	0.0	0.0	0.0
44	53	1.08e-05	5.73e-06	-2.06e-04	0.0	0.0	0.0
44	54	1.08e-05	-5.71e-06	-2.06e-04	0.0	0.0	0.0
44	55	1.08e-05	2.01e-05	-2.06e-04	0.0	0.0	0.0
44	56	1.08e-05	-2.01e-05	-2.06e-04	0.0	0.0	0.0
44	57	1.08e-05	2.01e-05	-2.06e-04	0.0	0.0	0.0
44	58	1.08e-05	-2.01e-05	-2.06e-04	0.0	0.0	0.0
44	59	1.08e-05	2.01e-05	-2.06e-04	0.0	0.0	0.0
44	60	1.08e-05	-2.01e-05	-2.06e-04	0.0	0.0	0.0
44	61	1.08e-05	2.01e-05	-2.06e-04	0.0	0.0	0.0
44	62	1.08e-05	-2.01e-05	-2.06e-04	0.0	0.0	0.0
44	63	1.08e-05	1.91e-05	-2.06e-04	0.0	0.0	0.0
44	64	1.08e-05	-1.91e-05	-2.06e-04	0.0	0.0	0.0
44	65	1.08e-05	1.91e-05	-2.06e-04	0.0	0.0	0.0
44	66	1.08e-05	-1.91e-05	-2.06e-04	0.0	0.0	0.0
44	67	1.08e-05	1.91e-05	-2.06e-04	0.0	0.0	0.0
44	68	1.08e-05	-1.91e-05	-2.06e-04	0.0	0.0	0.0
44	69	1.08e-05	1.91e-05	-2.06e-04	0.0	0.0	0.0
44	70	1.08e-05	-1.91e-05	-2.06e-04	0.0	0.0	0.0
44	71	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
44	72	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
44	73	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
44	74	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
44	75	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
44	76	1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
45	1	1.07e-05	2.27e-05	-2.61e-04	-1.24e-06	0.0	0.0
45	2	1.07e-05	2.27e-05	-2.61e-04	-1.24e-06	0.0	0.0
45	3	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
45	4	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
45	5	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
45	6	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
45	7	-2.20e-05	3.00e-03	-3.11e-03	-3.29e-06	2.22e-05	2.19e-05
45	8	6.05e-06	-5.34e-04	3.62e-04	5.63e-06	-2.79e-06	-2.76e-06
45	9	-2.49e-05	3.28e-03	-3.38e-03	-3.51e-06	2.43e-05	2.40e-05
45	10	3.18e-06	-2.61e-04	9.45e-05	5.41e-06	0.0	0.0
45	11	-2.18e-05	3.00e-03	-3.11e-03	-3.29e-06	2.22e-05	2.19e-05
45	12	5.88e-06	-5.33e-04	3.62e-04	5.63e-06	-2.78e-06	-2.75e-06
45	13	-2.47e-05	3.28e-03	-3.38e-03	-3.51e-06	2.43e-05	2.40e-05
45	14	3.01e-06	-2.60e-04	9.42e-05	5.41e-06	0.0	0.0
45	15	-2.20e-05	3.00e-03	-3.11e-03	-3.30e-06	2.22e-05	2.19e-05
45	16	6.05e-06	-5.34e-04	3.62e-04	5.62e-06	-2.79e-06	-2.76e-06
45	17	-2.49e-05	3.28e-03	-3.38e-03	-3.50e-06	2.43e-05	2.40e-05
45	18	3.18e-06	-2.61e-04	9.45e-05	5.42e-06	0.0	0.0
45	19	-2.18e-05	3.00e-03	-3.11e-03	-3.30e-06	2.22e-05	2.19e-05
45	20	5.88e-06	-5.33e-04	3.62e-04	5.62e-06	-2.78e-06	-2.75e-06
45	21	-2.47e-05	3.28e-03	-3.38e-03	-3.50e-06	2.43e-05	2.40e-05
45	22	3.01e-06	-2.60e-04	9.42e-05	5.42e-06	0.0	0.0
45	23	-1.08e-04	0.01	-0.01	-9.88e-06	8.57e-05	8.42e-05
45	24	-1.42e-05	-3.70e-04	2.54e-04	1.98e-05	2.28e-06	1.91e-06

45	25	-1.09e-04	0.01	-0.01	-9.95e-06	8.64e-05	8.48e-05
45	26	-1.50e-05	-2.88e-04	1.74e-04	1.98e-05	2.91e-06	2.53e-06
45	27	-1.08e-04	0.01	-0.01	-9.88e-06	8.57e-05	8.42e-05
45	28	-1.42e-05	-3.70e-04	2.54e-04	1.98e-05	2.28e-06	1.91e-06
45	29	-1.09e-04	0.01	-0.01	-9.94e-06	8.64e-05	8.48e-05
45	30	-1.50e-05	-2.88e-04	1.74e-04	1.98e-05	2.91e-06	2.53e-06
45	31	-1.07e-04	0.01	-0.01	-9.88e-06	8.57e-05	8.42e-05
45	32	-1.47e-05	-3.66e-04	2.53e-04	1.98e-05	2.33e-06	1.93e-06
45	33	-1.08e-04	0.01	-0.01	-9.95e-06	8.63e-05	8.48e-05
45	34	-1.56e-05	-2.84e-04	1.73e-04	1.98e-05	2.95e-06	2.54e-06
45	35	-1.07e-04	0.01	-0.01	-9.89e-06	8.57e-05	8.42e-05
45	36	-1.47e-05	-3.66e-04	2.53e-04	1.98e-05	2.33e-06	1.93e-06
45	37	-1.08e-04	0.01	-0.01	-9.95e-06	8.63e-05	8.48e-05
45	38	-1.56e-05	-2.84e-04	1.73e-04	1.98e-05	2.95e-06	2.54e-06
45	39	8.44e-06	2.41e-05	-2.01e-04	0.0	0.0	0.0
45	40	8.04e-06	1.09e-05	-2.00e-04	0.0	0.0	0.0
45	41	8.43e-06	2.40e-05	-2.01e-04	0.0	0.0	0.0
45	42	8.03e-06	1.09e-05	-2.00e-04	0.0	0.0	0.0
45	43	8.50e-06	2.36e-05	-2.01e-04	0.0	0.0	0.0
45	44	7.98e-06	1.13e-05	-2.00e-04	0.0	0.0	0.0
45	45	8.49e-06	2.36e-05	-2.01e-04	0.0	0.0	0.0
45	46	7.97e-06	1.13e-05	-2.00e-04	0.0	0.0	0.0
45	47	8.44e-06	2.41e-05	-2.01e-04	0.0	0.0	0.0
45	48	8.04e-06	1.09e-05	-2.00e-04	0.0	0.0	0.0
45	49	8.43e-06	2.40e-05	-2.01e-04	0.0	0.0	0.0
45	50	8.03e-06	1.09e-05	-2.00e-04	0.0	0.0	0.0
45	51	8.50e-06	2.36e-05	-2.01e-04	0.0	0.0	0.0
45	52	7.98e-06	1.13e-05	-2.00e-04	0.0	0.0	0.0
45	53	8.49e-06	2.36e-05	-2.01e-04	0.0	0.0	0.0
45	54	7.97e-06	1.13e-05	-2.00e-04	0.0	0.0	0.0
45	55	8.90e-06	3.95e-05	-2.03e-04	-1.01e-06	0.0	0.0
45	56	7.57e-06	-4.51e-06	-1.99e-04	0.0	0.0	0.0
45	57	8.90e-06	3.95e-05	-2.03e-04	-1.01e-06	0.0	0.0
45	58	7.57e-06	-4.52e-06	-1.99e-04	0.0	0.0	0.0
45	59	8.90e-06	3.95e-05	-2.03e-04	-1.01e-06	0.0	0.0
45	60	7.57e-06	-4.51e-06	-1.99e-04	0.0	0.0	0.0
45	61	8.90e-06	3.95e-05	-2.03e-04	-1.01e-06	0.0	0.0
45	62	7.57e-06	-4.52e-06	-1.99e-04	0.0	0.0	0.0
45	63	9.11e-06	3.80e-05	-2.02e-04	-1.01e-06	0.0	0.0
45	64	7.36e-06	-3.04e-06	-1.99e-04	0.0	0.0	0.0
45	65	9.11e-06	3.80e-05	-2.02e-04	-1.01e-06	0.0	0.0
45	66	7.36e-06	-3.05e-06	-1.99e-04	0.0	0.0	0.0
45	67	9.11e-06	3.80e-05	-2.02e-04	-1.01e-06	0.0	0.0
45	68	7.36e-06	-3.04e-06	-1.99e-04	0.0	0.0	0.0
45	69	9.11e-06	3.80e-05	-2.02e-04	-1.01e-06	0.0	0.0
45	70	7.36e-06	-3.05e-06	-1.99e-04	0.0	0.0	0.0
45	71	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
45	72	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
45	73	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
45	74	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
45	75	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
45	76	8.23e-06	1.75e-05	-2.01e-04	0.0	0.0	0.0
46	1	0.0	0.0	-2.41e-04	-1.37e-06	0.0	0.0
46	2	0.0	0.0	-2.41e-04	-1.37e-06	0.0	0.0
46	3	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
46	4	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
46	5	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
46	6	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
46	7	-2.27e-05	4.30e-03	-1.85e-04	-1.05e-06	0.0	3.08e-05
46	8	2.29e-05	-4.27e-04	-2.33e-04	-5.77e-05	1.42e-06	-4.04e-06
46	9	-2.49e-05	4.69e-03	-1.85e-04	-1.05e-06	0.0	3.37e-05
46	10	2.07e-05	-3.31e-05	-2.33e-04	-5.77e-05	1.42e-06	-1.18e-06
46	11	-2.25e-05	4.30e-03	-1.85e-04	-1.05e-06	0.0	3.08e-05
46	12	2.26e-05	-4.26e-04	-2.33e-04	-5.77e-05	1.42e-06	-4.02e-06
46	13	-2.47e-05	4.69e-03	-1.85e-04	-1.05e-06	0.0	3.37e-05
46	14	2.04e-05	-3.16e-05	-2.33e-04	-5.77e-05	1.42e-06	-1.16e-06
46	15	-2.27e-05	4.30e-03	-1.85e-04	-1.05e-06	0.0	3.08e-05
46	16	2.29e-05	-4.27e-04	-2.33e-04	-5.77e-05	1.42e-06	-4.04e-06
46	17	-2.49e-05	4.69e-03	-1.85e-04	-1.05e-06	0.0	3.37e-05
46	18	2.07e-05	-3.31e-05	-2.33e-04	-5.77e-05	1.42e-06	-1.18e-06
46	19	-2.25e-05	4.30e-03	-1.85e-04	-1.05e-06	0.0	3.08e-05
46	20	2.26e-05	-4.26e-04	-2.33e-04	-5.77e-05	1.42e-06	-4.02e-06
46	21	-2.47e-05	4.69e-03	-1.85e-04	-1.05e-06	0.0	3.37e-05
46	22	2.04e-05	-3.15e-05	-2.33e-04	-5.77e-05	1.42e-06	-1.16e-06
46	23	-8.73e-05	0.02	-1.85e-04	-1.05e-06	0.0	1.18e-04
46	24	6.47e-05	6.69e-04	-3.45e-04	-1.90e-04	5.10e-06	1.70e-06
46	25	-8.79e-05	0.02	-1.85e-04	-1.05e-06	0.0	1.19e-04

46	26	6.40e-05	7.87e-04	-3.45e-04	-1.90e-04	5.10e-06	2.56e-06
46	27	-8.73e-05	0.02	-1.85e-04	-1.05e-06	0.0	1.18e-04
46	28	6.47e-05	6.69e-04	-3.45e-04	-1.90e-04	5.10e-06	1.70e-06
46	29	-8.79e-05	0.02	-1.85e-04	-1.05e-06	0.0	1.19e-04
46	30	6.40e-05	7.87e-04	-3.45e-04	-1.90e-04	5.10e-06	2.56e-06
46	31	-8.64e-05	0.02	-1.85e-04	-1.05e-06	0.0	1.18e-04
46	32	6.38e-05	6.74e-04	-3.45e-04	-1.90e-04	5.10e-06	1.78e-06
46	33	-8.71e-05	0.02	-1.85e-04	-1.05e-06	0.0	1.19e-04
46	34	6.31e-05	7.92e-04	-3.45e-04	-1.90e-04	5.10e-06	2.64e-06
46	35	-8.64e-05	0.02	-1.85e-04	-1.05e-06	0.0	1.18e-04
46	36	6.38e-05	6.74e-04	-3.45e-04	-1.90e-04	5.10e-06	1.78e-06
46	37	-8.71e-05	0.02	-1.85e-04	-1.05e-06	0.0	1.19e-04
46	38	6.32e-05	7.92e-04	-3.45e-04	-1.90e-04	5.10e-06	2.64e-06
46	39	0.0	7.10e-06	-1.85e-04	-1.05e-06	0.0	0.0
46	40	0.0	-7.01e-06	-1.85e-04	-1.05e-06	0.0	0.0
46	41	0.0	7.01e-06	-1.85e-04	-1.05e-06	0.0	0.0
46	42	0.0	-7.10e-06	-1.85e-04	-1.05e-06	0.0	0.0
46	43	0.0	6.52e-06	-1.85e-04	-1.05e-06	0.0	0.0
46	44	0.0	-6.43e-06	-1.85e-04	-1.05e-06	0.0	0.0
46	45	0.0	6.43e-06	-1.85e-04	-1.05e-06	0.0	0.0
46	46	0.0	-6.52e-06	-1.85e-04	-1.05e-06	0.0	0.0
46	47	0.0	7.10e-06	-1.85e-04	-1.05e-06	0.0	0.0
46	48	0.0	-7.02e-06	-1.85e-04	-1.05e-06	0.0	0.0
46	49	0.0	7.02e-06	-1.85e-04	-1.05e-06	0.0	0.0
46	50	0.0	-7.10e-06	-1.85e-04	-1.05e-06	0.0	0.0
46	51	0.0	6.51e-06	-1.85e-04	-1.05e-06	0.0	0.0
46	52	0.0	-6.43e-06	-1.85e-04	-1.05e-06	0.0	0.0
46	53	0.0	6.43e-06	-1.85e-04	-1.05e-06	0.0	0.0
46	54	0.0	-6.51e-06	-1.85e-04	-1.05e-06	0.0	0.0
46	55	0.0	2.35e-05	-1.85e-04	-1.05e-06	0.0	0.0
46	56	0.0	-2.35e-05	-1.85e-04	-1.05e-06	0.0	0.0
46	57	0.0	2.35e-05	-1.85e-04	-1.05e-06	0.0	0.0
46	58	0.0	-2.35e-05	-1.85e-04	-1.05e-06	0.0	0.0
46	59	0.0	2.35e-05	-1.85e-04	-1.05e-06	0.0	0.0
46	60	0.0	-2.35e-05	-1.85e-04	-1.05e-06	0.0	0.0
46	61	0.0	2.35e-05	-1.85e-04	-1.05e-06	0.0	0.0
46	62	0.0	-2.35e-05	-1.85e-04	-1.05e-06	0.0	0.0
46	63	1.21e-06	2.16e-05	-1.85e-04	-1.05e-06	0.0	0.0
46	64	-1.21e-06	-2.16e-05	-1.85e-04	-1.05e-06	0.0	0.0
46	65	1.21e-06	2.16e-05	-1.85e-04	-1.05e-06	0.0	0.0
46	66	-1.21e-06	-2.16e-05	-1.85e-04	-1.05e-06	0.0	0.0
46	67	1.21e-06	2.16e-05	-1.85e-04	-1.05e-06	0.0	0.0
46	68	-1.21e-06	-2.16e-05	-1.85e-04	-1.05e-06	0.0	0.0
46	69	1.21e-06	2.16e-05	-1.85e-04	-1.05e-06	0.0	0.0
46	70	-1.21e-06	-2.16e-05	-1.85e-04	-1.05e-06	0.0	0.0
46	71	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
46	72	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
46	73	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
46	74	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
46	75	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
46	76	0.0	0.0	-1.85e-04	-1.05e-06	0.0	0.0
47	1	-1.07e-05	-2.27e-05	-2.61e-04	-1.24e-06	0.0	0.0
47	2	-1.07e-05	-2.27e-05	-2.61e-04	-1.24e-06	0.0	0.0
47	3	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
47	4	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
47	5	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
47	6	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
47	7	-3.85e-05	2.97e-03	2.71e-03	1.38e-06	-2.27e-05	2.21e-05
47	8	1.44e-04	1.81e-03	6.61e-05	6.41e-05	1.42e-05	-2.12e-05
47	9	-4.13e-05	3.24e-03	2.97e-03	1.61e-06	-2.48e-05	2.42e-05
47	10	1.41e-04	2.08e-03	3.34e-04	6.43e-05	1.21e-05	-1.92e-05
47	11	-3.83e-05	2.97e-03	2.71e-03	1.38e-06	-2.27e-05	2.21e-05
47	12	1.43e-04	1.81e-03	6.64e-05	6.41e-05	1.41e-05	-2.12e-05
47	13	-4.12e-05	3.24e-03	2.97e-03	1.61e-06	-2.48e-05	2.42e-05
47	14	1.41e-04	2.09e-03	3.34e-04	6.43e-05	1.21e-05	-1.91e-05
47	15	-3.85e-05	2.97e-03	2.71e-03	1.40e-06	-2.27e-05	2.21e-05
47	16	1.44e-04	1.81e-03	6.61e-05	6.41e-05	1.42e-05	-2.12e-05
47	17	-4.13e-05	3.24e-03	2.97e-03	1.60e-06	-2.48e-05	2.42e-05
47	18	1.41e-04	2.08e-03	3.34e-04	6.43e-05	1.21e-05	-1.92e-05
47	19	-3.83e-05	2.97e-03	2.71e-03	1.40e-06	-2.27e-05	2.21e-05
47	20	1.43e-04	1.81e-03	6.64e-05	6.41e-05	1.41e-05	-2.12e-05
47	21	-4.12e-05	3.24e-03	2.97e-03	1.60e-06	-2.48e-05	2.42e-05
47	22	1.41e-04	2.09e-03	3.34e-04	6.43e-05	1.21e-05	-1.91e-05
47	23	-1.24e-04	0.01	0.01	7.98e-06	-8.62e-05	8.44e-05
47	24	4.83e-04	7.53e-03	2.11e-03	2.17e-04	3.68e-05	-6.00e-05
47	25	-1.25e-04	0.01	0.01	8.04e-06	-8.69e-05	8.50e-05
47	26	4.82e-04	7.61e-03	2.19e-03	2.17e-04	3.61e-05	-5.94e-05

47	27	-1.24e-04	0.01	0.01	7.98e-06	-8.62e-05	8.44e-05
47	28	4.83e-04	7.53e-03	2.11e-03	2.17e-04	3.68e-05	-6.00e-05
47	29	-1.25e-04	0.01	0.01	8.04e-06	-8.69e-05	8.50e-05
47	30	4.82e-04	7.61e-03	2.19e-03	2.17e-04	3.61e-05	-5.94e-05
47	31	-1.24e-04	0.01	0.01	7.98e-06	-8.62e-05	8.44e-05
47	32	4.82e-04	7.53e-03	2.11e-03	2.17e-04	3.67e-05	-6.00e-05
47	33	-1.24e-04	0.01	0.01	8.05e-06	-8.68e-05	8.50e-05
47	34	4.81e-04	7.62e-03	2.19e-03	2.17e-04	3.61e-05	-5.94e-05
47	35	-1.24e-04	0.01	0.01	7.98e-06	-8.62e-05	8.44e-05
47	36	4.82e-04	7.53e-03	2.11e-03	2.17e-04	3.67e-05	-6.00e-05
47	37	-1.24e-04	0.01	0.01	8.04e-06	-8.68e-05	8.50e-05
47	38	4.81e-04	7.62e-03	2.19e-03	2.17e-04	3.61e-05	-5.94e-05
47	39	-8.03e-06	-1.09e-05	-2.00e-04	0.0	0.0	0.0
47	40	-8.42e-06	-2.40e-05	-2.01e-04	0.0	0.0	0.0
47	41	-8.04e-06	-1.09e-05	-2.00e-04	0.0	0.0	0.0
47	42	-8.44e-06	-2.41e-05	-2.01e-04	0.0	0.0	0.0
47	43	-7.97e-06	-1.13e-05	-2.00e-04	0.0	0.0	0.0
47	44	-8.49e-06	-2.36e-05	-2.01e-04	0.0	0.0	0.0
47	45	-7.98e-06	-1.13e-05	-2.00e-04	0.0	0.0	0.0
47	46	-8.50e-06	-2.36e-05	-2.01e-04	0.0	0.0	0.0
47	47	-8.03e-06	-1.09e-05	-2.00e-04	0.0	0.0	0.0
47	48	-8.43e-06	-2.40e-05	-2.01e-04	0.0	0.0	0.0
47	49	-8.04e-06	-1.09e-05	-2.00e-04	0.0	0.0	0.0
47	50	-8.44e-06	-2.41e-05	-2.01e-04	0.0	0.0	0.0
47	51	-7.97e-06	-1.13e-05	-2.00e-04	0.0	0.0	0.0
47	52	-8.49e-06	-2.36e-05	-2.01e-04	0.0	0.0	0.0
47	53	-7.98e-06	-1.13e-05	-2.00e-04	0.0	0.0	0.0
47	54	-8.50e-06	-2.36e-05	-2.01e-04	0.0	0.0	0.0
47	55	-7.58e-06	4.52e-06	-1.99e-04	0.0	0.0	0.0
47	56	-8.89e-06	-3.95e-05	-2.03e-04	-1.01e-06	0.0	0.0
47	57	-7.58e-06	4.51e-06	-1.99e-04	0.0	0.0	0.0
47	58	-8.89e-06	-3.95e-05	-2.03e-04	-1.01e-06	0.0	0.0
47	59	-7.58e-06	4.52e-06	-1.99e-04	0.0	0.0	0.0
47	60	-8.89e-06	-3.95e-05	-2.03e-04	-1.01e-06	0.0	0.0
47	61	-7.58e-06	4.51e-06	-1.99e-04	0.0	0.0	0.0
47	62	-8.89e-06	-3.95e-05	-2.03e-04	-1.01e-06	0.0	0.0
47	63	-7.36e-06	3.05e-06	-1.99e-04	0.0	0.0	0.0
47	64	-9.10e-06	-3.80e-05	-2.02e-04	-1.01e-06	0.0	0.0
47	65	-7.36e-06	3.04e-06	-1.99e-04	0.0	0.0	0.0
47	66	-9.11e-06	-3.80e-05	-2.02e-04	-1.01e-06	0.0	0.0
47	67	-7.36e-06	3.05e-06	-1.99e-04	0.0	0.0	0.0
47	68	-9.10e-06	-3.80e-05	-2.02e-04	-1.01e-06	0.0	0.0
47	69	-7.36e-06	3.04e-06	-1.99e-04	0.0	0.0	0.0
47	70	-9.11e-06	-3.80e-05	-2.02e-04	-1.01e-06	0.0	0.0
47	71	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
47	72	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
47	73	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
47	74	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
47	75	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
47	76	-8.23e-06	-1.75e-05	-2.01e-04	0.0	0.0	0.0
48	1	-1.41e-05	0.0	-2.68e-04	0.0	0.0	0.0
48	2	-1.41e-05	0.0	-2.68e-04	0.0	0.0	0.0
48	3	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
48	4	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
48	5	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
48	6	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
48	7	-4.80e-05	1.63e-05	3.84e-03	0.0	-3.24e-05	0.0
48	8	-3.22e-04	-1.63e-05	-6.40e-03	0.0	-2.61e-05	0.0
48	9	-5.14e-05	1.63e-05	4.21e-03	0.0	-3.54e-05	0.0
48	10	-3.26e-04	-1.63e-05	-6.03e-03	0.0	-2.90e-05	0.0
48	11	-4.80e-05	1.54e-05	3.84e-03	0.0	-3.24e-05	0.0
48	12	-3.22e-04	-1.54e-05	-6.40e-03	0.0	-2.61e-05	0.0
48	13	-5.14e-05	1.54e-05	4.21e-03	0.0	-3.54e-05	0.0
48	14	-3.26e-04	-1.54e-05	-6.03e-03	0.0	-2.90e-05	0.0
48	15	-4.80e-05	1.63e-05	3.84e-03	0.0	-3.24e-05	0.0
48	16	-3.22e-04	-1.63e-05	-6.40e-03	0.0	-2.61e-05	0.0
48	17	-5.14e-05	1.63e-05	4.21e-03	0.0	-3.54e-05	0.0
48	18	-3.26e-04	-1.63e-05	-6.03e-03	0.0	-2.90e-05	0.0
48	19	-4.80e-05	1.54e-05	3.84e-03	0.0	-3.24e-05	0.0
48	20	-3.22e-04	-1.54e-05	-6.40e-03	0.0	-2.61e-05	0.0
48	21	-5.14e-05	1.54e-05	4.21e-03	0.0	-3.54e-05	0.0
48	22	-3.26e-04	-1.54e-05	-6.03e-03	0.0	-2.90e-05	0.0
48	23	-1.53e-04	5.42e-05	0.02	0.0	-1.23e-04	0.0
48	24	-1.07e-03	-5.42e-05	-0.02	0.0	-1.02e-04	0.0
48	25	-1.54e-04	5.42e-05	0.02	0.0	-1.24e-04	0.0
48	26	-1.07e-03	-5.42e-05	-0.02	0.0	-1.03e-04	0.0
48	27	-1.53e-04	5.42e-05	0.02	0.0	-1.23e-04	0.0

48	28	-1.07e-03	-5.42e-05	-0.02	0.0	-1.02e-04	0.0
48	29	-1.54e-04	5.42e-05	0.02	0.0	-1.24e-04	0.0
48	30	-1.07e-03	-5.42e-05	-0.02	0.0	-1.03e-04	0.0
48	31	-1.53e-04	5.14e-05	0.02	0.0	-1.23e-04	0.0
48	32	-1.07e-03	-5.14e-05	-0.02	0.0	-1.02e-04	0.0
48	33	-1.54e-04	5.14e-05	0.02	0.0	-1.24e-04	0.0
48	34	-1.07e-03	-5.14e-05	-0.02	0.0	-1.03e-04	0.0
48	35	-1.53e-04	5.14e-05	0.02	0.0	-1.23e-04	0.0
48	36	-1.07e-03	-5.14e-05	-0.02	0.0	-1.02e-04	0.0
48	37	-1.54e-04	5.14e-05	0.02	0.0	-1.24e-04	0.0
48	38	-1.07e-03	-5.14e-05	-0.02	0.0	-1.03e-04	0.0
48	39	-1.08e-05	6.04e-06	-2.06e-04	0.0	0.0	0.0
48	40	-1.08e-05	-6.03e-06	-2.06e-04	0.0	0.0	0.0
48	41	-1.08e-05	6.03e-06	-2.06e-04	0.0	0.0	0.0
48	42	-1.08e-05	-6.04e-06	-2.06e-04	0.0	0.0	0.0
48	43	-1.08e-05	5.73e-06	-2.06e-04	0.0	0.0	0.0
48	44	-1.08e-05	-5.71e-06	-2.06e-04	0.0	0.0	0.0
48	45	-1.08e-05	5.71e-06	-2.06e-04	0.0	0.0	0.0
48	46	-1.08e-05	-5.73e-06	-2.06e-04	0.0	0.0	0.0
48	47	-1.08e-05	6.03e-06	-2.06e-04	0.0	0.0	0.0
48	48	-1.08e-05	-6.04e-06	-2.06e-04	0.0	0.0	0.0
48	49	-1.08e-05	6.04e-06	-2.06e-04	0.0	0.0	0.0
48	50	-1.08e-05	-6.03e-06	-2.06e-04	0.0	0.0	0.0
48	51	-1.08e-05	5.71e-06	-2.06e-04	0.0	0.0	0.0
48	52	-1.08e-05	-5.73e-06	-2.06e-04	0.0	0.0	0.0
48	53	-1.08e-05	5.73e-06	-2.06e-04	0.0	0.0	0.0
48	54	-1.08e-05	-5.71e-06	-2.06e-04	0.0	0.0	0.0
48	55	-1.08e-05	2.01e-05	-2.06e-04	0.0	0.0	0.0
48	56	-1.08e-05	-2.01e-05	-2.06e-04	0.0	0.0	0.0
48	57	-1.08e-05	2.01e-05	-2.06e-04	0.0	0.0	0.0
48	58	-1.08e-05	-2.01e-05	-2.06e-04	0.0	0.0	0.0
48	59	-1.08e-05	2.01e-05	-2.06e-04	0.0	0.0	0.0
48	60	-1.08e-05	-2.01e-05	-2.06e-04	0.0	0.0	0.0
48	61	-1.08e-05	2.01e-05	-2.06e-04	0.0	0.0	0.0
48	62	-1.08e-05	-2.01e-05	-2.06e-04	0.0	0.0	0.0
48	63	-1.08e-05	1.91e-05	-2.06e-04	0.0	0.0	0.0
48	64	-1.08e-05	-1.91e-05	-2.06e-04	0.0	0.0	0.0
48	65	-1.08e-05	1.91e-05	-2.06e-04	0.0	0.0	0.0
48	66	-1.08e-05	-1.91e-05	-2.06e-04	0.0	0.0	0.0
48	67	-1.08e-05	1.91e-05	-2.06e-04	0.0	0.0	0.0
48	68	-1.08e-05	-1.91e-05	-2.06e-04	0.0	0.0	0.0
48	69	-1.08e-05	1.91e-05	-2.06e-04	0.0	0.0	0.0
48	70	-1.08e-05	-1.91e-05	-2.06e-04	0.0	0.0	0.0
48	71	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
48	72	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
48	73	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
48	74	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
48	75	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
48	76	-1.08e-05	0.0	-2.06e-04	0.0	0.0	0.0
49	1	-1.82e-05	2.38e-05	-2.13e-04	1.27e-06	0.0	0.0
49	2	-1.82e-05	2.38e-05	-2.13e-04	1.27e-06	0.0	0.0
49	3	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
49	4	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
49	5	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
49	6	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
49	7	-6.05e-05	-2.97e-03	2.79e-03	0.0	-5.22e-05	-5.17e-05
49	8	2.32e-04	-1.18e-03	-1.66e-04	-4.36e-05	2.62e-05	3.67e-05
49	9	-6.47e-05	-3.25e-03	3.06e-03	0.0	-5.70e-05	-5.64e-05
49	10	2.28e-04	-1.46e-03	1.06e-04	-4.37e-05	2.14e-05	3.19e-05
49	11	-6.06e-05	-2.97e-03	2.79e-03	0.0	-5.22e-05	-5.18e-05
49	12	2.32e-04	-1.18e-03	-1.67e-04	-4.36e-05	2.62e-05	3.68e-05
49	13	-6.48e-05	-3.25e-03	3.06e-03	0.0	-5.70e-05	-5.66e-05
49	14	2.28e-04	-1.45e-03	1.05e-04	-4.37e-05	2.14e-05	3.21e-05
49	15	-6.05e-05	-2.97e-03	2.79e-03	0.0	-5.22e-05	-5.17e-05
49	16	2.32e-04	-1.18e-03	-1.66e-04	-4.36e-05	2.62e-05	3.67e-05
49	17	-6.47e-05	-3.25e-03	3.06e-03	0.0	-5.70e-05	-5.64e-05
49	18	2.28e-04	-1.46e-03	1.06e-04	-4.37e-05	2.14e-05	3.19e-05
49	19	-6.06e-05	-2.97e-03	2.79e-03	0.0	-5.22e-05	-5.18e-05
49	20	2.32e-04	-1.18e-03	-1.67e-04	-4.36e-05	2.62e-05	3.68e-05
49	21	-6.48e-05	-3.25e-03	3.06e-03	0.0	-5.70e-05	-5.66e-05
49	22	2.28e-04	-1.45e-03	1.05e-04	-4.37e-05	2.14e-05	3.21e-05
49	23	-1.91e-04	-0.01	0.01	-4.97e-06	-1.99e-04	-1.97e-04
49	24	7.85e-04	-5.44e-03	1.27e-03	-1.48e-04	6.22e-05	9.73e-05
49	25	-1.93e-04	-0.01	0.01	-5.01e-06	-2.00e-04	-1.99e-04
49	26	7.83e-04	-5.52e-03	1.36e-03	-1.48e-04	6.08e-05	9.59e-05
49	27	-1.91e-04	-0.01	0.01	-4.96e-06	-1.99e-04	-1.97e-04
49	28	7.85e-04	-5.44e-03	1.27e-03	-1.48e-04	6.22e-05	9.73e-05

49	29	-1.93e-04	-0.01	0.01	-5.01e-06	-2.00e-04	-1.99e-04
49	30	7.83e-04	-5.52e-03	1.36e-03	-1.48e-04	6.08e-05	9.59e-05
49	31	-1.92e-04	-0.01	0.01	-5.00e-06	-1.99e-04	-1.98e-04
49	32	7.85e-04	-5.43e-03	1.27e-03	-1.48e-04	6.22e-05	9.78e-05
49	33	-1.93e-04	-0.01	0.01	-5.03e-06	-2.00e-04	-1.99e-04
49	34	7.84e-04	-5.52e-03	1.35e-03	-1.48e-04	6.08e-05	9.64e-05
49	35	-1.92e-04	-0.01	0.01	-4.99e-06	-1.99e-04	-1.98e-04
49	36	7.85e-04	-5.43e-03	1.27e-03	-1.48e-04	6.22e-05	9.78e-05
49	37	-1.93e-04	-0.01	0.01	-5.04e-06	-2.00e-04	-1.99e-04
49	38	7.84e-04	-5.52e-03	1.35e-03	-1.48e-04	6.08e-05	9.64e-05
49	39	-1.44e-05	2.37e-05	-1.65e-04	0.0	0.0	0.0
49	40	-1.37e-05	1.30e-05	-1.63e-04	0.0	0.0	0.0
49	41	-1.44e-05	2.37e-05	-1.65e-04	1.00e-06	0.0	0.0
49	42	-1.37e-05	1.30e-05	-1.63e-04	0.0	0.0	0.0
49	43	-1.44e-05	2.30e-05	-1.64e-04	0.0	0.0	0.0
49	44	-1.37e-05	1.36e-05	-1.63e-04	0.0	0.0	0.0
49	45	-1.44e-05	2.30e-05	-1.64e-04	0.0	0.0	0.0
49	46	-1.37e-05	1.37e-05	-1.63e-04	0.0	0.0	0.0
49	47	-1.44e-05	2.37e-05	-1.65e-04	1.00e-06	0.0	0.0
49	48	-1.37e-05	1.30e-05	-1.63e-04	0.0	0.0	0.0
49	49	-1.44e-05	2.37e-05	-1.65e-04	0.0	0.0	0.0
49	50	-1.37e-05	1.30e-05	-1.63e-04	0.0	0.0	0.0
49	51	-1.44e-05	2.30e-05	-1.64e-04	0.0	0.0	0.0
49	52	-1.37e-05	1.36e-05	-1.63e-04	0.0	0.0	0.0
49	53	-1.44e-05	2.30e-05	-1.64e-04	0.0	0.0	0.0
49	54	-1.37e-05	1.37e-05	-1.63e-04	0.0	0.0	0.0
49	55	-1.51e-05	3.62e-05	-1.66e-04	1.05e-06	0.0	0.0
49	56	-1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
49	57	-1.51e-05	3.62e-05	-1.66e-04	1.05e-06	0.0	0.0
49	58	-1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
49	59	-1.51e-05	3.62e-05	-1.66e-04	1.05e-06	0.0	0.0
49	60	-1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
49	61	-1.51e-05	3.62e-05	-1.66e-04	1.05e-06	0.0	0.0
49	62	-1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
49	63	-1.53e-05	3.39e-05	-1.66e-04	1.04e-06	0.0	0.0
49	64	-1.28e-05	2.71e-06	-1.62e-04	0.0	0.0	0.0
49	65	-1.53e-05	3.40e-05	-1.66e-04	1.04e-06	0.0	0.0
49	66	-1.28e-05	2.72e-06	-1.62e-04	0.0	0.0	0.0
49	67	-1.53e-05	3.39e-05	-1.66e-04	1.04e-06	0.0	0.0
49	68	-1.28e-05	2.71e-06	-1.62e-04	0.0	0.0	0.0
49	69	-1.53e-05	3.40e-05	-1.66e-04	1.04e-06	0.0	0.0
49	70	-1.28e-05	2.72e-06	-1.62e-04	0.0	0.0	0.0
49	71	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
49	72	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
49	73	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
49	74	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
49	75	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
49	76	-1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
50	1	0.0	0.0	-1.91e-04	1.54e-06	0.0	0.0
50	2	0.0	0.0	-1.91e-04	1.54e-06	0.0	0.0
50	3	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
50	4	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
50	5	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
50	6	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
50	7	-3.46e-05	-4.29e-03	-1.47e-04	1.18e-06	0.0	-7.23e-05
50	8	4.38e-05	4.14e-04	-2.08e-04	4.15e-05	2.42e-06	1.07e-05
50	9	-3.77e-05	-4.69e-03	-1.47e-04	1.18e-06	0.0	-7.90e-05
50	10	4.07e-05	1.72e-05	-2.08e-04	4.15e-05	2.42e-06	4.08e-06
50	11	-3.47e-05	-4.30e-03	-1.47e-04	1.18e-06	0.0	-7.23e-05
50	12	4.39e-05	4.17e-04	-2.08e-04	4.15e-05	2.42e-06	1.07e-05
50	13	-3.78e-05	-4.69e-03	-1.47e-04	1.18e-06	0.0	-7.89e-05
50	14	4.08e-05	1.97e-05	-2.08e-04	4.15e-05	2.42e-06	4.03e-06
50	15	-3.46e-05	-4.29e-03	-1.47e-04	1.18e-06	0.0	-7.23e-05
50	16	4.38e-05	4.14e-04	-2.08e-04	4.15e-05	2.42e-06	1.07e-05
50	17	-3.77e-05	-4.69e-03	-1.47e-04	1.18e-06	0.0	-7.90e-05
50	18	4.07e-05	1.72e-05	-2.08e-04	4.15e-05	2.42e-06	4.08e-06
50	19	-3.47e-05	-4.30e-03	-1.47e-04	1.18e-06	0.0	-7.23e-05
50	20	4.39e-05	4.17e-04	-2.08e-04	4.15e-05	2.42e-06	1.07e-05
50	21	-3.78e-05	-4.69e-03	-1.47e-04	1.18e-06	0.0	-7.89e-05
50	22	4.08e-05	1.97e-05	-2.08e-04	4.15e-05	2.42e-06	4.03e-06
50	23	-1.32e-04	-0.02	-1.47e-04	1.18e-06	0.0	-2.76e-04
50	24	1.30e-04	-7.28e-04	-3.50e-04	1.35e-04	8.23e-06	0.0
50	25	-1.32e-04	-0.02	-1.47e-04	1.18e-06	0.0	-2.78e-04
50	26	1.29e-04	-8.47e-04	-3.50e-04	1.35e-04	8.23e-06	-1.59e-06
50	27	-1.32e-04	-0.02	-1.47e-04	1.18e-06	0.0	-2.76e-04
50	28	1.30e-04	-7.28e-04	-3.50e-04	1.35e-04	8.23e-06	0.0
50	29	-1.32e-04	-0.02	-1.47e-04	1.18e-06	0.0	-2.78e-04

50	30	1.29e-04	-8.47e-04	-3.50e-04	1.35e-04	8.23e-06	-1.59e-06
50	31	-1.32e-04	-0.02	-1.47e-04	1.18e-06	0.0	-2.76e-04
50	32	1.30e-04	-7.19e-04	-3.50e-04	1.35e-04	8.23e-06	0.0
50	33	-1.33e-04	-0.02	-1.47e-04	1.18e-06	0.0	-2.78e-04
50	34	1.29e-04	-8.38e-04	-3.50e-04	1.35e-04	8.23e-06	-1.76e-06
50	35	-1.32e-04	-0.02	-1.47e-04	1.18e-06	0.0	-2.76e-04
50	36	1.30e-04	-7.19e-04	-3.50e-04	1.35e-04	8.23e-06	0.0
50	37	-1.33e-04	-0.02	-1.47e-04	1.18e-06	0.0	-2.78e-04
50	38	1.29e-04	-8.38e-04	-3.50e-04	1.35e-04	8.23e-06	-1.76e-06
50	39	0.0	5.97e-06	-1.47e-04	1.18e-06	0.0	0.0
50	40	0.0	-6.10e-06	-1.47e-04	1.18e-06	0.0	0.0
50	41	0.0	6.10e-06	-1.47e-04	1.18e-06	0.0	0.0
50	42	0.0	-5.97e-06	-1.47e-04	1.18e-06	0.0	0.0
50	43	0.0	5.04e-06	-1.47e-04	1.18e-06	0.0	0.0
50	44	0.0	-5.16e-06	-1.47e-04	1.18e-06	0.0	0.0
50	45	0.0	5.16e-06	-1.47e-04	1.18e-06	0.0	0.0
50	46	0.0	-5.04e-06	-1.47e-04	1.18e-06	0.0	0.0
50	47	0.0	5.98e-06	-1.47e-04	1.18e-06	0.0	0.0
50	48	0.0	-6.09e-06	-1.47e-04	1.18e-06	0.0	0.0
50	49	0.0	6.09e-06	-1.47e-04	1.18e-06	0.0	0.0
50	50	0.0	-5.98e-06	-1.47e-04	1.18e-06	0.0	0.0
50	51	0.0	5.05e-06	-1.47e-04	1.18e-06	0.0	0.0
50	52	0.0	-5.16e-06	-1.47e-04	1.18e-06	0.0	0.0
50	53	0.0	5.16e-06	-1.47e-04	1.18e-06	0.0	0.0
50	54	0.0	-5.05e-06	-1.47e-04	1.18e-06	0.0	0.0
50	55	-1.52e-06	2.01e-05	-1.47e-04	1.18e-06	0.0	0.0
50	56	1.52e-06	-2.01e-05	-1.47e-04	1.18e-06	0.0	0.0
50	57	-1.52e-06	2.01e-05	-1.47e-04	1.18e-06	0.0	0.0
50	58	1.52e-06	-2.01e-05	-1.47e-04	1.18e-06	0.0	0.0
50	59	-1.52e-06	2.01e-05	-1.47e-04	1.18e-06	0.0	0.0
50	60	1.52e-06	-2.01e-05	-1.47e-04	1.18e-06	0.0	0.0
50	61	-1.52e-06	2.01e-05	-1.47e-04	1.18e-06	0.0	0.0
50	62	1.52e-06	-2.01e-05	-1.47e-04	1.18e-06	0.0	0.0
50	63	-1.70e-06	1.70e-05	-1.47e-04	1.18e-06	0.0	0.0
50	64	1.70e-06	-1.70e-05	-1.47e-04	1.18e-06	0.0	0.0
50	65	-1.70e-06	1.70e-05	-1.47e-04	1.18e-06	0.0	0.0
50	66	1.70e-06	-1.70e-05	-1.47e-04	1.18e-06	0.0	0.0
50	67	-1.70e-06	1.70e-05	-1.47e-04	1.18e-06	0.0	0.0
50	68	1.70e-06	-1.70e-05	-1.47e-04	1.18e-06	0.0	0.0
50	69	-1.70e-06	1.70e-05	-1.47e-04	1.18e-06	0.0	0.0
50	70	1.70e-06	-1.70e-05	-1.47e-04	1.18e-06	0.0	0.0
50	71	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
50	72	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
50	73	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
50	74	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
50	75	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
50	76	0.0	0.0	-1.47e-04	1.18e-06	0.0	0.0
51	1	1.82e-05	-2.38e-05	-2.13e-04	1.27e-06	0.0	0.0
51	2	1.82e-05	-2.38e-05	-2.13e-04	1.27e-06	0.0	0.0
51	3	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
51	4	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
51	5	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
51	6	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
51	7	-3.25e-05	-3.01e-03	-3.12e-03	2.53e-06	5.18e-05	-5.14e-05
51	8	1.18e-05	4.87e-04	3.72e-04	-2.17e-06	-6.72e-06	7.12e-06
51	9	-3.67e-05	-3.28e-03	-3.39e-03	2.66e-06	5.66e-05	-5.61e-05
51	10	7.58e-06	2.11e-04	1.00e-04	-2.04e-06	-1.93e-06	2.37e-06
51	11	-3.26e-05	-3.01e-03	-3.12e-03	2.54e-06	5.18e-05	-5.15e-05
51	12	1.19e-05	4.89e-04	3.73e-04	-2.18e-06	-6.73e-06	7.27e-06
51	13	-3.68e-05	-3.28e-03	-3.39e-03	2.67e-06	5.66e-05	-5.63e-05
51	14	7.68e-06	2.13e-04	1.01e-04	-2.05e-06	-1.94e-06	2.51e-06
51	15	-3.25e-05	-3.01e-03	-3.12e-03	2.51e-06	5.18e-05	-5.14e-05
51	16	1.18e-05	4.87e-04	3.72e-04	-2.19e-06	-6.72e-06	7.12e-06
51	17	-3.67e-05	-3.28e-03	-3.39e-03	2.68e-06	5.66e-05	-5.61e-05
51	18	7.58e-06	2.11e-04	1.00e-04	-2.03e-06	-1.93e-06	2.36e-06
51	19	-3.26e-05	-3.01e-03	-3.12e-03	2.52e-06	5.18e-05	-5.15e-05
51	20	1.19e-05	4.89e-04	3.73e-04	-2.20e-06	-6.73e-06	7.27e-06
51	21	-3.68e-05	-3.28e-03	-3.39e-03	2.69e-06	5.66e-05	-5.63e-05
51	22	7.68e-06	2.13e-04	1.01e-04	-2.03e-06	-1.94e-06	2.51e-06
51	23	-1.63e-04	-0.01	-0.01	6.92e-06	1.99e-04	-1.97e-04
51	24	-1.58e-05	1.98e-04	1.78e-04	-8.77e-06	3.48e-06	-1.84e-06
51	25	-1.65e-04	-0.01	-0.01	6.96e-06	2.00e-04	-1.98e-04
51	26	-1.70e-05	1.16e-04	9.60e-05	-8.73e-06	4.92e-06	-3.26e-06
51	27	-1.63e-04	-0.01	-0.01	6.92e-06	1.99e-04	-1.97e-04
51	28	-1.58e-05	1.98e-04	1.78e-04	-8.77e-06	3.48e-06	-1.84e-06
51	29	-1.65e-04	-0.01	-0.01	6.97e-06	2.00e-04	-1.98e-04
51	30	-1.70e-05	1.16e-04	9.60e-05	-8.72e-06	4.92e-06	-3.26e-06

51	31	-1.64e-04	-0.01	-0.01	6.95e-06	1.99e-04	-1.97e-04
51	32	-1.54e-05	2.04e-04	1.80e-04	-8.79e-06	3.46e-06	-1.34e-06
51	33	-1.65e-04	-0.01	-0.01	6.99e-06	2.00e-04	-1.99e-04
51	34	-1.67e-05	1.22e-04	9.79e-05	-8.75e-06	4.90e-06	-2.77e-06
51	35	-1.64e-04	-0.01	-0.01	6.94e-06	1.99e-04	-1.97e-04
51	36	-1.54e-05	2.04e-04	1.80e-04	-8.80e-06	3.46e-06	-1.34e-06
51	37	-1.65e-04	-0.01	-0.01	6.99e-06	2.00e-04	-1.99e-04
51	38	-1.67e-05	1.22e-04	9.79e-05	-8.75e-06	4.90e-06	-2.77e-06
51	39	1.37e-05	-1.30e-05	-1.63e-04	0.0	0.0	0.0
51	40	1.44e-05	-2.37e-05	-1.65e-04	1.00e-06	0.0	0.0
51	41	1.37e-05	-1.30e-05	-1.63e-04	0.0	0.0	0.0
51	42	1.44e-05	-2.37e-05	-1.65e-04	0.0	0.0	0.0
51	43	1.37e-05	-1.37e-05	-1.63e-04	0.0	0.0	0.0
51	44	1.44e-05	-2.30e-05	-1.64e-04	0.0	0.0	0.0
51	45	1.37e-05	-1.36e-05	-1.63e-04	0.0	0.0	0.0
51	46	1.44e-05	-2.30e-05	-1.64e-04	0.0	0.0	0.0
51	47	1.37e-05	-1.30e-05	-1.63e-04	0.0	0.0	0.0
51	48	1.44e-05	-2.37e-05	-1.65e-04	0.0	0.0	0.0
51	49	1.37e-05	-1.30e-05	-1.63e-04	0.0	0.0	0.0
51	50	1.44e-05	-2.37e-05	-1.65e-04	1.00e-06	0.0	0.0
51	51	1.37e-05	-1.37e-05	-1.63e-04	0.0	0.0	0.0
51	52	1.44e-05	-2.30e-05	-1.64e-04	0.0	0.0	0.0
51	53	1.37e-05	-1.36e-05	-1.63e-04	0.0	0.0	0.0
51	54	1.44e-05	-2.30e-05	-1.64e-04	0.0	0.0	0.0
51	55	1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
51	56	1.51e-05	-3.62e-05	-1.66e-04	1.05e-06	0.0	0.0
51	57	1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
51	58	1.51e-05	-3.62e-05	-1.66e-04	1.05e-06	0.0	0.0
51	59	1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
51	60	1.51e-05	-3.62e-05	-1.66e-04	1.05e-06	0.0	0.0
51	61	1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
51	62	1.51e-05	-3.62e-05	-1.66e-04	1.05e-06	0.0	0.0
51	63	1.28e-05	-2.72e-06	-1.62e-04	0.0	0.0	0.0
51	64	1.53e-05	-3.40e-05	-1.66e-04	1.04e-06	0.0	0.0
51	65	1.28e-05	-2.71e-06	-1.62e-04	0.0	0.0	0.0
51	66	1.53e-05	-3.39e-05	-1.66e-04	1.04e-06	0.0	0.0
51	67	1.28e-05	-2.72e-06	-1.62e-04	0.0	0.0	0.0
51	68	1.53e-05	-3.40e-05	-1.66e-04	1.04e-06	0.0	0.0
51	69	1.28e-05	-2.71e-06	-1.62e-04	0.0	0.0	0.0
51	70	1.53e-05	-3.39e-05	-1.66e-04	1.04e-06	0.0	0.0
51	71	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
51	72	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
51	73	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
51	74	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
51	75	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
51	76	1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
52	1	2.41e-05	0.0	-2.26e-04	0.0	0.0	0.0
52	2	2.41e-05	0.0	-2.26e-04	0.0	0.0	0.0
52	3	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
52	4	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
52	5	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
52	6	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
52	7	-3.78e-05	1.25e-05	-4.30e-03	0.0	7.38e-05	0.0
52	8	3.17e-05	-1.24e-05	4.65e-04	0.0	-1.27e-05	0.0
52	9	-4.30e-05	1.24e-05	-4.68e-03	0.0	8.06e-05	0.0
52	10	2.65e-05	-1.25e-05	8.50e-05	0.0	-5.90e-06	0.0
52	11	-3.78e-05	1.13e-05	-4.30e-03	0.0	7.38e-05	0.0
52	12	3.17e-05	-1.13e-05	4.65e-04	0.0	-1.27e-05	0.0
52	13	-4.30e-05	1.13e-05	-4.68e-03	0.0	8.06e-05	0.0
52	14	2.65e-05	-1.13e-05	8.50e-05	0.0	-5.90e-06	0.0
52	15	-3.78e-05	1.24e-05	-4.30e-03	0.0	7.38e-05	0.0
52	16	3.17e-05	-1.25e-05	4.65e-04	0.0	-1.27e-05	0.0
52	17	-4.30e-05	1.25e-05	-4.68e-03	0.0	8.06e-05	0.0
52	18	2.65e-05	-1.24e-05	8.50e-05	0.0	-5.90e-06	0.0
52	19	-3.78e-05	1.13e-05	-4.30e-03	0.0	7.38e-05	0.0
52	20	3.17e-05	-1.13e-05	4.65e-04	0.0	-1.27e-05	0.0
52	21	-4.30e-05	1.13e-05	-4.68e-03	0.0	8.06e-05	0.0
52	22	2.65e-05	-1.13e-05	8.50e-05	0.0	-5.90e-06	0.0
52	23	-1.97e-04	4.16e-05	-0.02	0.0	2.83e-04	0.0
52	24	3.47e-05	-4.16e-05	-6.25e-05	0.0	-5.71e-06	0.0
52	25	-1.98e-04	4.16e-05	-0.02	0.0	2.85e-04	0.0
52	26	3.32e-05	-4.16e-05	-1.76e-04	0.0	-3.66e-06	0.0
52	27	-1.97e-04	4.16e-05	-0.02	0.0	2.83e-04	0.0
52	28	3.47e-05	-4.16e-05	-6.25e-05	0.0	-5.71e-06	0.0
52	29	-1.98e-04	4.16e-05	-0.02	0.0	2.85e-04	0.0
52	30	3.32e-05	-4.16e-05	-1.76e-04	0.0	-3.66e-06	0.0
52	31	-1.97e-04	3.76e-05	-0.02	0.0	2.83e-04	0.0

52	32	3.47e-05	-3.76e-05	-6.25e-05	0.0	-5.71e-06	0.0
52	33	-1.98e-04	3.76e-05	-0.02	0.0	2.85e-04	0.0
52	34	3.32e-05	-3.76e-05	-1.76e-04	0.0	-3.66e-06	0.0
52	35	-1.97e-04	3.76e-05	-0.02	0.0	2.83e-04	0.0
52	36	3.47e-05	-3.76e-05	-6.25e-05	0.0	-5.71e-06	0.0
52	37	-1.98e-04	3.76e-05	-0.02	0.0	2.85e-04	0.0
52	38	3.32e-05	-3.76e-05	-1.76e-04	0.0	-3.66e-06	0.0
52	39	1.86e-05	4.63e-06	-1.74e-04	0.0	0.0	0.0
52	40	1.86e-05	-4.62e-06	-1.74e-04	0.0	0.0	0.0
52	41	1.86e-05	4.62e-06	-1.74e-04	0.0	0.0	0.0
52	42	1.86e-05	-4.63e-06	-1.74e-04	0.0	0.0	0.0
52	43	1.86e-05	4.19e-06	-1.74e-04	0.0	0.0	0.0
52	44	1.86e-05	-4.18e-06	-1.74e-04	0.0	0.0	0.0
52	45	1.86e-05	4.18e-06	-1.74e-04	0.0	0.0	0.0
52	46	1.86e-05	-4.19e-06	-1.74e-04	0.0	0.0	0.0
52	47	1.86e-05	4.62e-06	-1.74e-04	0.0	0.0	0.0
52	48	1.86e-05	-4.63e-06	-1.74e-04	0.0	0.0	0.0
52	49	1.86e-05	4.63e-06	-1.74e-04	0.0	0.0	0.0
52	50	1.86e-05	-4.62e-06	-1.74e-04	0.0	0.0	0.0
52	51	1.86e-05	4.18e-06	-1.74e-04	0.0	0.0	0.0
52	52	1.86e-05	-4.19e-06	-1.74e-04	0.0	0.0	0.0
52	53	1.86e-05	4.19e-06	-1.74e-04	0.0	0.0	0.0
52	54	1.86e-05	-4.18e-06	-1.74e-04	0.0	0.0	0.0
52	55	1.86e-05	1.54e-05	-1.74e-04	0.0	0.0	0.0
52	56	1.86e-05	-1.54e-05	-1.74e-04	0.0	0.0	0.0
52	57	1.86e-05	1.54e-05	-1.74e-04	0.0	0.0	0.0
52	58	1.86e-05	-1.54e-05	-1.74e-04	0.0	0.0	0.0
52	59	1.86e-05	1.54e-05	-1.74e-04	0.0	0.0	0.0
52	60	1.86e-05	-1.54e-05	-1.74e-04	0.0	0.0	0.0
52	61	1.86e-05	1.54e-05	-1.74e-04	0.0	0.0	0.0
52	62	1.86e-05	-1.54e-05	-1.74e-04	0.0	0.0	0.0
52	63	1.86e-05	1.40e-05	-1.74e-04	0.0	0.0	0.0
52	64	1.86e-05	-1.39e-05	-1.74e-04	0.0	0.0	0.0
52	65	1.86e-05	1.39e-05	-1.74e-04	0.0	0.0	0.0
52	66	1.86e-05	-1.40e-05	-1.74e-04	0.0	0.0	0.0
52	67	1.86e-05	1.39e-05	-1.74e-04	0.0	0.0	0.0
52	68	1.86e-05	-1.40e-05	-1.74e-04	0.0	0.0	0.0
52	69	1.86e-05	1.40e-05	-1.74e-04	0.0	0.0	0.0
52	70	1.86e-05	-1.39e-05	-1.74e-04	0.0	0.0	0.0
52	71	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
52	72	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
52	73	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
52	74	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
52	75	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
52	76	1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
53	1	1.82e-05	2.38e-05	-2.13e-04	-1.27e-06	0.0	0.0
53	2	1.82e-05	2.38e-05	-2.13e-04	-1.27e-06	0.0	0.0
53	3	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
53	4	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
53	5	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
53	6	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
53	7	-3.07e-05	3.03e-03	-3.12e-03	-2.63e-06	5.18e-05	5.15e-05
53	8	9.99e-06	-5.16e-04	3.76e-04	2.31e-06	-6.76e-06	-7.22e-06
53	9	-3.49e-05	3.31e-03	-3.39e-03	-2.80e-06	5.66e-05	5.63e-05
53	10	5.78e-06	-2.40e-04	1.04e-04	2.14e-06	-1.97e-06	-2.47e-06
53	11	-3.06e-05	3.03e-03	-3.12e-03	-2.63e-06	5.18e-05	5.14e-05
53	12	9.89e-06	-5.14e-04	3.76e-04	2.30e-06	-6.75e-06	-7.07e-06
53	13	-3.48e-05	3.31e-03	-3.39e-03	-2.79e-06	5.66e-05	5.61e-05
53	14	5.68e-06	-2.38e-04	1.04e-04	2.14e-06	-1.96e-06	-2.32e-06
53	15	-3.07e-05	3.03e-03	-3.12e-03	-2.65e-06	5.18e-05	5.15e-05
53	16	9.99e-06	-5.16e-04	3.76e-04	2.29e-06	-6.76e-06	-7.22e-06
53	17	-3.49e-05	3.31e-03	-3.39e-03	-2.78e-06	5.66e-05	5.63e-05
53	18	5.78e-06	-2.40e-04	1.04e-04	2.16e-06	-1.97e-06	-2.47e-06
53	19	-3.06e-05	3.03e-03	-3.12e-03	-2.64e-06	5.18e-05	5.14e-05
53	20	9.89e-06	-5.14e-04	3.76e-04	2.29e-06	-6.75e-06	-7.07e-06
53	21	-3.48e-05	3.31e-03	-3.39e-03	-2.77e-06	5.66e-05	5.61e-05
53	22	5.68e-06	-2.38e-04	1.04e-04	2.15e-06	-1.96e-06	-2.32e-06
53	23	-1.57e-04	0.01	-0.01	-7.31e-06	1.99e-04	1.97e-04
53	24	-2.17e-05	-2.95e-04	1.91e-04	9.17e-06	3.37e-06	1.49e-06
53	25	-1.59e-04	0.01	-0.01	-7.36e-06	2.00e-04	1.99e-04
53	26	-2.30e-05	-2.12e-04	1.10e-04	9.12e-06	4.80e-06	2.92e-06
53	27	-1.57e-04	0.01	-0.01	-7.32e-06	1.99e-04	1.97e-04
53	28	-2.17e-05	-2.95e-04	1.91e-04	9.16e-06	3.37e-06	1.49e-06
53	29	-1.59e-04	0.01	-0.01	-7.36e-06	2.00e-04	1.99e-04
53	30	-2.30e-05	-2.12e-04	1.10e-04	9.12e-06	4.80e-06	2.92e-06
53	31	-1.57e-04	0.01	-0.01	-7.29e-06	1.99e-04	1.97e-04
53	32	-2.21e-05	-2.89e-04	1.89e-04	9.14e-06	3.39e-06	1.99e-06

53	33	-1.58e-04	0.01	-0.01	-7.34e-06	2.00e-04	1.98e-04
53	34	-2.33e-05	-2.06e-04	1.08e-04	9.09e-06	4.83e-06	3.41e-06
53	35	-1.57e-04	0.01	-0.01	-7.29e-06	1.99e-04	1.97e-04
53	36	-2.21e-05	-2.89e-04	1.89e-04	9.14e-06	3.39e-06	1.99e-06
53	37	-1.58e-04	0.01	-0.01	-7.33e-06	2.00e-04	1.98e-04
53	38	-2.33e-05	-2.06e-04	1.08e-04	9.10e-06	4.83e-06	3.41e-06
53	39	1.44e-05	2.37e-05	-1.65e-04	0.0	0.0	0.0
53	40	1.37e-05	1.30e-05	-1.63e-04	0.0	0.0	0.0
53	41	1.44e-05	2.37e-05	-1.65e-04	-1.00e-06	0.0	0.0
53	42	1.37e-05	1.30e-05	-1.63e-04	0.0	0.0	0.0
53	43	1.44e-05	2.30e-05	-1.64e-04	0.0	0.0	0.0
53	44	1.37e-05	1.37e-05	-1.63e-04	0.0	0.0	0.0
53	45	1.44e-05	2.30e-05	-1.64e-04	0.0	0.0	0.0
53	46	1.37e-05	1.36e-05	-1.63e-04	0.0	0.0	0.0
53	47	1.44e-05	2.37e-05	-1.65e-04	-1.00e-06	0.0	0.0
53	48	1.37e-05	1.30e-05	-1.63e-04	0.0	0.0	0.0
53	49	1.44e-05	2.37e-05	-1.65e-04	0.0	0.0	0.0
53	50	1.37e-05	1.30e-05	-1.63e-04	0.0	0.0	0.0
53	51	1.44e-05	2.30e-05	-1.64e-04	0.0	0.0	0.0
53	52	1.37e-05	1.37e-05	-1.63e-04	0.0	0.0	0.0
53	53	1.44e-05	2.30e-05	-1.64e-04	0.0	0.0	0.0
53	54	1.37e-05	1.36e-05	-1.63e-04	0.0	0.0	0.0
53	55	1.51e-05	3.62e-05	-1.66e-04	-1.05e-06	0.0	0.0
53	56	1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
53	57	1.51e-05	3.62e-05	-1.66e-04	-1.05e-06	0.0	0.0
53	58	1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
53	59	1.51e-05	3.62e-05	-1.66e-04	-1.05e-06	0.0	0.0
53	60	1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
53	61	1.51e-05	3.62e-05	-1.66e-04	-1.05e-06	0.0	0.0
53	62	1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
53	63	1.53e-05	3.40e-05	-1.66e-04	-1.04e-06	0.0	0.0
53	64	1.28e-05	2.72e-06	-1.62e-04	0.0	0.0	0.0
53	65	1.53e-05	3.39e-05	-1.66e-04	-1.04e-06	0.0	0.0
53	66	1.28e-05	2.71e-06	-1.62e-04	0.0	0.0	0.0
53	67	1.53e-05	3.40e-05	-1.66e-04	-1.04e-06	0.0	0.0
53	68	1.28e-05	2.72e-06	-1.62e-04	0.0	0.0	0.0
53	69	1.53e-05	3.39e-05	-1.66e-04	-1.04e-06	0.0	0.0
53	70	1.28e-05	2.71e-06	-1.62e-04	0.0	0.0	0.0
53	71	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
53	72	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
53	73	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
53	74	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
53	75	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
53	76	1.40e-05	1.83e-05	-1.64e-04	0.0	0.0	0.0
54	1	0.0	0.0	-1.91e-04	-1.54e-06	0.0	0.0
54	2	0.0	0.0	-1.91e-04	-1.54e-06	0.0	0.0
54	3	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
54	4	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
54	5	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
54	6	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
54	7	-3.21e-05	4.33e-03	-1.47e-04	-1.18e-06	0.0	7.24e-05
54	8	4.13e-05	-4.47e-04	-2.08e-04	-4.15e-05	2.42e-06	-1.08e-05
54	9	-3.52e-05	4.72e-03	-1.47e-04	-1.18e-06	0.0	7.91e-05
54	10	3.82e-05	-4.97e-05	-2.08e-04	-4.15e-05	2.42e-06	-4.15e-06
54	11	-3.20e-05	4.32e-03	-1.47e-04	-1.18e-06	0.0	7.24e-05
54	12	4.11e-05	-4.44e-04	-2.08e-04	-4.15e-05	2.42e-06	-1.09e-05
54	13	-3.50e-05	4.72e-03	-1.47e-04	-1.18e-06	0.0	7.91e-05
54	14	3.81e-05	-4.72e-05	-2.08e-04	-4.15e-05	2.42e-06	-4.20e-06
54	15	-3.21e-05	4.33e-03	-1.47e-04	-1.18e-06	0.0	7.24e-05
54	16	4.13e-05	-4.47e-04	-2.08e-04	-4.15e-05	2.42e-06	-1.08e-05
54	17	-3.52e-05	4.72e-03	-1.47e-04	-1.18e-06	0.0	7.91e-05
54	18	3.82e-05	-4.97e-05	-2.08e-04	-4.15e-05	2.42e-06	-4.15e-06
54	19	-3.20e-05	4.32e-03	-1.47e-04	-1.18e-06	0.0	7.24e-05
54	20	4.11e-05	-4.44e-04	-2.08e-04	-4.15e-05	2.42e-06	-1.09e-05
54	21	-3.51e-05	4.72e-03	-1.47e-04	-1.18e-06	0.0	7.91e-05
54	22	3.81e-05	-4.72e-05	-2.08e-04	-4.15e-05	2.42e-06	-4.20e-06
54	23	-1.23e-04	0.02	-1.47e-04	-1.18e-06	0.0	2.77e-04
54	24	1.21e-04	6.19e-04	-3.50e-04	-1.35e-04	8.23e-06	0.0
54	25	-1.24e-04	0.02	-1.47e-04	-1.18e-06	0.0	2.79e-04
54	26	1.20e-04	7.38e-04	-3.50e-04	-1.35e-04	8.23e-06	1.35e-06
54	27	-1.23e-04	0.02	-1.47e-04	-1.18e-06	0.0	2.77e-04
54	28	1.21e-04	6.19e-04	-3.50e-04	-1.35e-04	8.23e-06	0.0
54	29	-1.24e-04	0.02	-1.47e-04	-1.18e-06	0.0	2.79e-04
54	30	1.20e-04	7.38e-04	-3.50e-04	-1.35e-04	8.23e-06	1.35e-06
54	31	-1.23e-04	0.02	-1.47e-04	-1.18e-06	0.0	2.77e-04
54	32	1.21e-04	6.28e-04	-3.50e-04	-1.35e-04	8.23e-06	0.0
54	33	-1.24e-04	0.02	-1.47e-04	-1.18e-06	0.0	2.79e-04

54	34	1.20e-04	7.47e-04	-3.50e-04	-1.35e-04	8.23e-06	1.19e-06
54	35	-1.23e-04	0.02	-1.47e-04	-1.18e-06	0.0	2.77e-04
54	36	1.21e-04	6.28e-04	-3.50e-04	-1.35e-04	8.23e-06	0.0
54	37	-1.24e-04	0.02	-1.47e-04	-1.18e-06	0.0	2.79e-04
54	38	1.20e-04	7.47e-04	-3.50e-04	-1.35e-04	8.23e-06	1.19e-06
54	39	0.0	6.10e-06	-1.47e-04	-1.18e-06	0.0	0.0
54	40	0.0	-5.97e-06	-1.47e-04	-1.18e-06	0.0	0.0
54	41	0.0	5.97e-06	-1.47e-04	-1.18e-06	0.0	0.0
54	42	0.0	-6.10e-06	-1.47e-04	-1.18e-06	0.0	0.0
54	43	0.0	5.17e-06	-1.47e-04	-1.18e-06	0.0	0.0
54	44	0.0	-5.04e-06	-1.47e-04	-1.18e-06	0.0	0.0
54	45	0.0	5.04e-06	-1.47e-04	-1.18e-06	0.0	0.0
54	46	0.0	-5.17e-06	-1.47e-04	-1.18e-06	0.0	0.0
54	47	0.0	6.09e-06	-1.47e-04	-1.18e-06	0.0	0.0
54	48	0.0	-5.98e-06	-1.47e-04	-1.18e-06	0.0	0.0
54	49	0.0	5.98e-06	-1.47e-04	-1.18e-06	0.0	0.0
54	50	0.0	-6.09e-06	-1.47e-04	-1.18e-06	0.0	0.0
54	51	0.0	5.16e-06	-1.47e-04	-1.18e-06	0.0	0.0
54	52	0.0	-5.05e-06	-1.47e-04	-1.18e-06	0.0	0.0
54	53	0.0	5.05e-06	-1.47e-04	-1.18e-06	0.0	0.0
54	54	0.0	-5.16e-06	-1.47e-04	-1.18e-06	0.0	0.0
54	55	1.51e-06	2.01e-05	-1.47e-04	-1.18e-06	0.0	0.0
54	56	-1.51e-06	-2.01e-05	-1.47e-04	-1.18e-06	0.0	0.0
54	57	1.51e-06	2.01e-05	-1.47e-04	-1.18e-06	0.0	0.0
54	58	-1.51e-06	-2.01e-05	-1.47e-04	-1.18e-06	0.0	0.0
54	59	1.51e-06	2.01e-05	-1.47e-04	-1.18e-06	0.0	0.0
54	60	-1.51e-06	-2.01e-05	-1.47e-04	-1.18e-06	0.0	0.0
54	61	1.51e-06	2.01e-05	-1.47e-04	-1.18e-06	0.0	0.0
54	62	-1.51e-06	-2.01e-05	-1.47e-04	-1.18e-06	0.0	0.0
54	63	1.70e-06	1.70e-05	-1.47e-04	-1.18e-06	0.0	0.0
54	64	-1.70e-06	-1.70e-05	-1.47e-04	-1.18e-06	0.0	0.0
54	65	1.70e-06	1.70e-05	-1.47e-04	-1.18e-06	0.0	0.0
54	66	-1.70e-06	-1.70e-05	-1.47e-04	-1.18e-06	0.0	0.0
54	67	1.70e-06	1.70e-05	-1.47e-04	-1.18e-06	0.0	0.0
54	68	-1.70e-06	-1.70e-05	-1.47e-04	-1.18e-06	0.0	0.0
54	69	1.70e-06	1.70e-05	-1.47e-04	-1.18e-06	0.0	0.0
54	70	-1.70e-06	-1.70e-05	-1.47e-04	-1.18e-06	0.0	0.0
54	71	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
54	72	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
54	73	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
54	74	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
54	75	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
54	76	0.0	0.0	-1.47e-04	-1.18e-06	0.0	0.0
55	1	-1.82e-05	-2.38e-05	-2.13e-04	-1.27e-06	0.0	0.0
55	2	-1.82e-05	-2.38e-05	-2.13e-04	-1.27e-06	0.0	0.0
55	3	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
55	4	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
55	5	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
55	6	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
55	7	-5.87e-05	3.00e-03	2.79e-03	0.0	-5.22e-05	5.18e-05
55	8	2.30e-04	1.15e-03	-1.70e-04	4.34e-05	2.62e-05	-3.68e-05
55	9	-6.29e-05	3.27e-03	3.06e-03	0.0	-5.70e-05	5.65e-05
55	10	2.26e-04	1.43e-03	1.02e-04	4.36e-05	2.14e-05	-3.20e-05
55	11	-5.86e-05	3.00e-03	2.79e-03	0.0	-5.22e-05	5.18e-05
55	12	2.30e-04	1.15e-03	-1.70e-04	4.35e-05	2.62e-05	-3.66e-05
55	13	-6.28e-05	3.27e-03	3.06e-03	0.0	-5.70e-05	5.64e-05
55	14	2.26e-04	1.43e-03	1.02e-04	4.36e-05	2.14e-05	-3.19e-05
55	15	-5.87e-05	3.00e-03	2.79e-03	0.0	-5.22e-05	5.18e-05
55	16	2.30e-04	1.15e-03	-1.70e-04	4.35e-05	2.62e-05	-3.68e-05
55	17	-6.29e-05	3.27e-03	3.06e-03	0.0	-5.70e-05	5.65e-05
55	18	2.26e-04	1.43e-03	1.02e-04	4.36e-05	2.14e-05	-3.20e-05
55	19	-5.86e-05	3.00e-03	2.79e-03	0.0	-5.22e-05	5.16e-05
55	20	2.30e-04	1.15e-03	-1.70e-04	4.35e-05	2.62e-05	-3.66e-05
55	21	-6.28e-05	3.27e-03	3.06e-03	0.0	-5.70e-05	5.64e-05
55	22	2.26e-04	1.43e-03	1.02e-04	4.36e-05	2.14e-05	-3.19e-05
55	23	-1.85e-04	0.01	0.01	5.36e-06	-1.99e-04	1.98e-04
55	24	7.79e-04	5.34e-03	1.26e-03	1.48e-04	6.23e-05	-9.76e-05
55	25	-1.87e-04	0.01	0.01	5.41e-06	-2.00e-04	1.99e-04
55	26	7.77e-04	5.43e-03	1.34e-03	1.48e-04	6.09e-05	-9.62e-05
55	27	-1.85e-04	0.01	0.01	5.37e-06	-1.99e-04	1.98e-04
55	28	7.79e-04	5.34e-03	1.26e-03	1.48e-04	6.23e-05	-9.76e-05
55	29	-1.87e-04	0.01	0.01	5.41e-06	-2.00e-04	1.99e-04
55	30	7.77e-04	5.43e-03	1.34e-03	1.48e-04	6.09e-05	-9.62e-05
55	31	-1.85e-04	0.01	0.01	5.33e-06	-1.99e-04	1.97e-04
55	32	7.78e-04	5.35e-03	1.26e-03	1.48e-04	6.23e-05	-9.71e-05
55	33	-1.86e-04	0.01	0.01	5.38e-06	-2.00e-04	1.98e-04
55	34	7.77e-04	5.43e-03	1.34e-03	1.48e-04	6.08e-05	-9.57e-05

55	35	-1.85e-04	0.01	0.01	5.34e-06	-1.99e-04	1.97e-04
55	36	7.78e-04	5.35e-03	1.26e-03	1.48e-04	6.23e-05	-9.71e-05
55	37	-1.86e-04	0.01	0.01	5.38e-06	-2.00e-04	1.98e-04
55	38	7.77e-04	5.43e-03	1.34e-03	1.48e-04	6.08e-05	-9.57e-05
55	39	-1.37e-05	-1.30e-05	-1.63e-04	0.0	0.0	0.0
55	40	-1.44e-05	-2.37e-05	-1.65e-04	-1.00e-06	0.0	0.0
55	41	-1.37e-05	-1.30e-05	-1.63e-04	0.0	0.0	0.0
55	42	-1.44e-05	-2.37e-05	-1.65e-04	0.0	0.0	0.0
55	43	-1.37e-05	-1.36e-05	-1.63e-04	0.0	0.0	0.0
55	44	-1.44e-05	-2.30e-05	-1.64e-04	0.0	0.0	0.0
55	45	-1.37e-05	-1.37e-05	-1.63e-04	0.0	0.0	0.0
55	46	-1.44e-05	-2.30e-05	-1.64e-04	0.0	0.0	0.0
55	47	-1.37e-05	-1.30e-05	-1.63e-04	0.0	0.0	0.0
55	48	-1.44e-05	-2.37e-05	-1.65e-04	0.0	0.0	0.0
55	49	-1.37e-05	-1.30e-05	-1.63e-04	0.0	0.0	0.0
55	50	-1.44e-05	-2.37e-05	-1.65e-04	-1.00e-06	0.0	0.0
55	51	-1.37e-05	-1.36e-05	-1.63e-04	0.0	0.0	0.0
55	52	-1.44e-05	-2.30e-05	-1.64e-04	0.0	0.0	0.0
55	53	-1.37e-05	-1.37e-05	-1.63e-04	0.0	0.0	0.0
55	54	-1.44e-05	-2.30e-05	-1.64e-04	0.0	0.0	0.0
55	55	-1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
55	56	-1.51e-05	-3.62e-05	-1.66e-04	-1.05e-06	0.0	0.0
55	57	-1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
55	58	-1.51e-05	-3.62e-05	-1.66e-04	-1.05e-06	0.0	0.0
55	59	-1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
55	60	-1.51e-05	-3.62e-05	-1.66e-04	-1.05e-06	0.0	0.0
55	61	-1.29e-05	0.0	-1.61e-04	0.0	0.0	0.0
55	62	-1.51e-05	-3.62e-05	-1.66e-04	-1.05e-06	0.0	0.0
55	63	-1.28e-05	-2.71e-06	-1.62e-04	0.0	0.0	0.0
55	64	-1.53e-05	-3.39e-05	-1.66e-04	-1.04e-06	0.0	0.0
55	65	-1.28e-05	-2.73e-06	-1.62e-04	0.0	0.0	0.0
55	66	-1.53e-05	-3.40e-05	-1.66e-04	-1.04e-06	0.0	0.0
55	67	-1.28e-05	-2.71e-06	-1.62e-04	0.0	0.0	0.0
55	68	-1.53e-05	-3.39e-05	-1.66e-04	-1.04e-06	0.0	0.0
55	69	-1.28e-05	-2.73e-06	-1.62e-04	0.0	0.0	0.0
55	70	-1.53e-05	-3.40e-05	-1.66e-04	-1.04e-06	0.0	0.0
55	71	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
55	72	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
55	73	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
55	74	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
55	75	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
55	76	-1.40e-05	-1.83e-05	-1.64e-04	0.0	0.0	0.0
56	1	-2.41e-05	0.0	-2.26e-04	0.0	0.0	0.0
56	2	-2.41e-05	0.0	-2.26e-04	0.0	0.0	0.0
56	3	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
56	4	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
56	5	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
56	6	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
56	7	-7.49e-05	1.25e-05	3.95e-03	0.0	-7.42e-05	0.0
56	8	-5.33e-04	-1.24e-05	-5.12e-03	0.0	-3.43e-05	0.0
56	9	-8.01e-05	1.24e-05	4.33e-03	0.0	-8.10e-05	0.0
56	10	-5.38e-04	-1.25e-05	-4.74e-03	0.0	-4.11e-05	0.0
56	11	-7.49e-05	1.13e-05	3.95e-03	0.0	-7.42e-05	0.0
56	12	-5.33e-04	-1.13e-05	-5.12e-03	0.0	-3.43e-05	0.0
56	13	-8.01e-05	1.13e-05	4.33e-03	0.0	-8.10e-05	0.0
56	14	-5.38e-04	-1.13e-05	-4.74e-03	0.0	-4.11e-05	0.0
56	15	-7.49e-05	1.24e-05	3.95e-03	0.0	-7.42e-05	0.0
56	16	-5.33e-04	-1.25e-05	-5.12e-03	0.0	-3.43e-05	0.0
56	17	-8.01e-05	1.25e-05	4.33e-03	0.0	-8.10e-05	0.0
56	18	-5.38e-04	-1.24e-05	-4.74e-03	0.0	-4.11e-05	0.0
56	19	-7.49e-05	1.13e-05	3.95e-03	0.0	-7.42e-05	0.0
56	20	-5.33e-04	-1.13e-05	-5.12e-03	0.0	-3.43e-05	0.0
56	21	-8.01e-05	1.13e-05	4.33e-03	0.0	-8.10e-05	0.0
56	22	-5.38e-04	-1.13e-05	-4.74e-03	0.0	-4.11e-05	0.0
56	23	-2.34e-04	4.16e-05	0.02	0.0	-2.83e-04	0.0
56	24	-1.76e-03	-4.16e-05	-0.01	0.0	-1.50e-04	0.0
56	25	-2.36e-04	4.16e-05	0.02	0.0	-2.85e-04	0.0
56	26	-1.76e-03	-4.16e-05	-0.01	0.0	-1.52e-04	0.0
56	27	-2.34e-04	4.16e-05	0.02	0.0	-2.83e-04	0.0
56	28	-1.76e-03	-4.16e-05	-0.01	0.0	-1.50e-04	0.0
56	29	-2.36e-04	4.16e-05	0.02	0.0	-2.85e-04	0.0
56	30	-1.76e-03	-4.16e-05	-0.01	0.0	-1.52e-04	0.0
56	31	-2.34e-04	3.76e-05	0.02	0.0	-2.83e-04	0.0
56	32	-1.76e-03	-3.76e-05	-0.01	0.0	-1.50e-04	0.0
56	33	-2.36e-04	3.76e-05	0.02	0.0	-2.85e-04	0.0
56	34	-1.76e-03	-3.76e-05	-0.01	0.0	-1.52e-04	0.0
56	35	-2.34e-04	3.76e-05	0.02	0.0	-2.83e-04	0.0

56	36	-1.76e-03	-3.76e-05	-0.01	0.0	-1.50e-04	0.0
56	37	-2.36e-04	3.76e-05	0.02	0.0	-2.85e-04	0.0
56	38	-1.76e-03	-3.76e-05	-0.01	0.0	-1.52e-04	0.0
56	39	-1.86e-05	4.63e-06	-1.74e-04	0.0	0.0	0.0
56	40	-1.86e-05	-4.62e-06	-1.74e-04	0.0	0.0	0.0
56	41	-1.86e-05	4.62e-06	-1.74e-04	0.0	0.0	0.0
56	42	-1.86e-05	-4.63e-06	-1.74e-04	0.0	0.0	0.0
56	43	-1.86e-05	4.19e-06	-1.74e-04	0.0	0.0	0.0
56	44	-1.86e-05	-4.18e-06	-1.74e-04	0.0	0.0	0.0
56	45	-1.86e-05	4.18e-06	-1.74e-04	0.0	0.0	0.0
56	46	-1.86e-05	-4.19e-06	-1.74e-04	0.0	0.0	0.0
56	47	-1.86e-05	4.62e-06	-1.74e-04	0.0	0.0	0.0
56	48	-1.86e-05	-4.64e-06	-1.74e-04	0.0	0.0	0.0
56	49	-1.86e-05	4.64e-06	-1.74e-04	0.0	0.0	0.0
56	50	-1.86e-05	-4.62e-06	-1.74e-04	0.0	0.0	0.0
56	51	-1.86e-05	4.18e-06	-1.74e-04	0.0	0.0	0.0
56	52	-1.86e-05	-4.19e-06	-1.74e-04	0.0	0.0	0.0
56	53	-1.86e-05	4.19e-06	-1.74e-04	0.0	0.0	0.0
56	54	-1.86e-05	-4.18e-06	-1.74e-04	0.0	0.0	0.0
56	55	-1.86e-05	1.54e-05	-1.74e-04	0.0	0.0	0.0
56	56	-1.86e-05	-1.54e-05	-1.74e-04	0.0	0.0	0.0
56	57	-1.86e-05	1.54e-05	-1.74e-04	0.0	0.0	0.0
56	58	-1.86e-05	-1.54e-05	-1.74e-04	0.0	0.0	0.0
56	59	-1.86e-05	1.54e-05	-1.74e-04	0.0	0.0	0.0
56	60	-1.86e-05	-1.54e-05	-1.74e-04	0.0	0.0	0.0
56	61	-1.86e-05	1.54e-05	-1.74e-04	0.0	0.0	0.0
56	62	-1.86e-05	-1.54e-05	-1.74e-04	0.0	0.0	0.0
56	63	-1.86e-05	1.40e-05	-1.74e-04	0.0	0.0	0.0
56	64	-1.86e-05	-1.39e-05	-1.74e-04	0.0	0.0	0.0
56	65	-1.86e-05	1.39e-05	-1.74e-04	0.0	0.0	0.0
56	66	-1.86e-05	-1.40e-05	-1.74e-04	0.0	0.0	0.0
56	67	-1.86e-05	1.39e-05	-1.74e-04	0.0	0.0	0.0
56	68	-1.86e-05	-1.40e-05	-1.74e-04	0.0	0.0	0.0
56	69	-1.86e-05	1.40e-05	-1.74e-04	0.0	0.0	0.0
56	70	-1.86e-05	-1.39e-05	-1.74e-04	0.0	0.0	0.0
56	71	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
56	72	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
56	73	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
56	74	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
56	75	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
56	76	-1.86e-05	0.0	-1.74e-04	0.0	0.0	0.0
57	1	-1.93e-05	2.18e-05	-1.32e-04	2.06e-06	0.0	0.0
57	2	-1.93e-05	2.18e-05	-1.32e-04	2.06e-06	0.0	0.0
57	3	-1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
57	4	-1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
57	5	-1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
57	6	-1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
57	7	6.56e-05	-2.86e-03	2.76e-03	1.47e-06	-7.31e-05	-7.37e-05
57	8	1.77e-04	-3.01e-04	-4.07e-04	-2.86e-06	2.69e-05	3.27e-05
57	9	7.31e-05	-3.13e-03	3.02e-03	1.47e-06	-7.98e-05	-8.05e-05
57	10	1.84e-04	-5.67e-04	-1.44e-04	-2.86e-06	2.01e-05	2.60e-05
57	11	6.56e-05	-2.86e-03	2.76e-03	1.46e-06	-7.30e-05	-7.36e-05
57	12	1.77e-04	-3.00e-04	-4.08e-04	-2.85e-06	2.69e-05	3.26e-05
57	13	7.30e-05	-3.13e-03	3.02e-03	1.46e-06	-7.98e-05	-8.04e-05
57	14	1.84e-04	-5.66e-04	-1.44e-04	-2.86e-06	2.01e-05	2.59e-05
57	15	6.56e-05	-2.86e-03	2.76e-03	1.48e-06	-7.31e-05	-7.37e-05
57	16	1.77e-04	-3.01e-04	-4.07e-04	-2.85e-06	2.69e-05	3.27e-05
57	17	7.31e-05	-3.13e-03	3.02e-03	1.46e-06	-7.98e-05	-8.05e-05
57	18	1.84e-04	-5.67e-04	-1.44e-04	-2.87e-06	2.01e-05	2.60e-05
57	19	6.56e-05	-2.86e-03	2.76e-03	1.48e-06	-7.30e-05	-7.36e-05
57	20	1.77e-04	-3.00e-04	-4.08e-04	-2.84e-06	2.69e-05	3.26e-05
57	21	7.30e-05	-3.13e-03	3.02e-03	1.45e-06	-7.98e-05	-8.04e-05
57	22	1.84e-04	-5.66e-04	-1.44e-04	-2.87e-06	2.01e-05	2.59e-05
57	23	2.93e-04	-0.01	0.01	1.15e-06	-2.80e-04	-2.81e-04
57	24	6.64e-04	-2.45e-03	2.77e-04	-1.33e-05	5.32e-05	7.39e-05
57	25	2.95e-04	-0.01	0.01	1.15e-06	-2.82e-04	-2.83e-04
57	26	6.66e-04	-2.53e-03	3.56e-04	-1.33e-05	5.12e-05	7.18e-05
57	27	2.93e-04	-0.01	0.01	1.15e-06	-2.80e-04	-2.81e-04
57	28	6.64e-04	-2.45e-03	2.77e-04	-1.33e-05	5.32e-05	7.39e-05
57	29	2.95e-04	-0.01	0.01	1.15e-06	-2.82e-04	-2.83e-04
57	30	6.66e-04	-2.53e-03	3.56e-04	-1.33e-05	5.12e-05	7.18e-05
57	31	2.93e-04	-0.01	0.01	1.13e-06	-2.80e-04	-2.81e-04
57	32	6.64e-04	-2.45e-03	2.76e-04	-1.33e-05	5.31e-05	7.36e-05
57	33	2.95e-04	-0.01	0.01	1.13e-06	-2.82e-04	-2.83e-04
57	34	6.66e-04	-2.53e-03	3.55e-04	-1.33e-05	5.11e-05	7.15e-05
57	35	2.93e-04	-0.01	0.01	1.14e-06	-2.80e-04	-2.81e-04
57	36	6.64e-04	-2.45e-03	2.76e-04	-1.33e-05	5.31e-05	7.36e-05

57	37	2.95e-04	-0.01	0.01	1.13e-06	-2.82e-04	-2.83e-04
57	38	6.66e-04	-2.53e-03	3.55e-04	-1.33e-05	5.11e-05	7.15e-05
57	39	-1.51e-05	1.94e-05	-1.01e-04	1.59e-06	0.0	0.0
57	40	-1.45e-05	1.40e-05	-1.01e-04	1.57e-06	0.0	0.0
57	41	-1.51e-05	1.95e-05	-1.02e-04	1.60e-06	0.0	0.0
57	42	-1.45e-05	1.40e-05	-1.01e-04	1.57e-06	0.0	0.0
57	43	-1.51e-05	1.90e-05	-1.01e-04	1.59e-06	0.0	0.0
57	44	-1.45e-05	1.44e-05	-1.01e-04	1.57e-06	0.0	0.0
57	45	-1.51e-05	1.90e-05	-1.01e-04	1.60e-06	0.0	0.0
57	46	-1.45e-05	1.45e-05	-1.01e-04	1.58e-06	0.0	0.0
57	47	-1.51e-05	1.94e-05	-1.01e-04	1.60e-06	0.0	0.0
57	48	-1.45e-05	1.40e-05	-1.01e-04	1.57e-06	0.0	0.0
57	49	-1.51e-05	1.95e-05	-1.02e-04	1.59e-06	0.0	0.0
57	50	-1.45e-05	1.40e-05	-1.01e-04	1.57e-06	0.0	0.0
57	51	-1.51e-05	1.90e-05	-1.01e-04	1.60e-06	0.0	0.0
57	52	-1.45e-05	1.44e-05	-1.01e-04	1.58e-06	0.0	0.0
57	53	-1.51e-05	1.90e-05	-1.01e-04	1.59e-06	0.0	0.0
57	54	-1.45e-05	1.45e-05	-1.01e-04	1.57e-06	0.0	0.0
57	55	-1.58e-05	2.58e-05	-1.02e-04	1.62e-06	0.0	0.0
57	56	-1.39e-05	7.64e-06	-1.00e-04	1.54e-06	0.0	0.0
57	57	-1.58e-05	2.58e-05	-1.02e-04	1.62e-06	0.0	0.0
57	58	-1.39e-05	7.65e-06	-1.00e-04	1.55e-06	0.0	0.0
57	59	-1.58e-05	2.58e-05	-1.02e-04	1.62e-06	0.0	0.0
57	60	-1.39e-05	7.64e-06	-1.00e-04	1.55e-06	0.0	0.0
57	61	-1.58e-05	2.58e-05	-1.02e-04	1.62e-06	0.0	0.0
57	62	-1.39e-05	7.65e-06	-1.00e-04	1.54e-06	0.0	0.0
57	63	-1.58e-05	2.43e-05	-1.02e-04	1.62e-06	0.0	0.0
57	64	-1.38e-05	9.13e-06	-1.01e-04	1.55e-06	0.0	0.0
57	65	-1.58e-05	2.43e-05	-1.02e-04	1.62e-06	0.0	0.0
57	66	-1.38e-05	9.14e-06	-1.01e-04	1.55e-06	0.0	0.0
57	67	-1.58e-05	2.43e-05	-1.02e-04	1.62e-06	0.0	0.0
57	68	-1.38e-05	9.13e-06	-1.01e-04	1.55e-06	0.0	0.0
57	69	-1.58e-05	2.43e-05	-1.02e-04	1.62e-06	0.0	0.0
57	70	-1.38e-05	9.14e-06	-1.01e-04	1.55e-06	0.0	0.0
57	71	-1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
57	72	-1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
57	73	-1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
57	74	-1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
57	75	-1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
57	76	-1.48e-05	1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
58	1	0.0	0.0	-1.11e-04	2.83e-06	0.0	0.0
58	2	0.0	0.0	-1.11e-04	2.83e-06	0.0	0.0
58	3	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
58	4	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
58	5	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
58	6	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
58	7	9.20e-05	-4.11e-03	-8.52e-05	2.18e-06	0.0	-1.03e-04
58	8	2.91e-05	4.82e-04	-1.38e-04	2.01e-05	2.27e-06	1.80e-05
58	9	1.01e-04	-4.49e-03	-8.52e-05	2.18e-06	0.0	-1.13e-04
58	10	3.77e-05	1.02e-04	-1.38e-04	2.01e-05	2.27e-06	8.47e-06
58	11	9.20e-05	-4.11e-03	-8.52e-05	2.18e-06	0.0	-1.03e-04
58	12	2.91e-05	4.83e-04	-1.38e-04	2.01e-05	2.27e-06	1.78e-05
58	13	1.01e-04	-4.49e-03	-8.52e-05	2.18e-06	0.0	-1.13e-04
58	14	3.77e-05	1.04e-04	-1.38e-04	2.01e-05	2.27e-06	8.35e-06
58	15	9.20e-05	-4.11e-03	-8.52e-05	2.18e-06	0.0	-1.03e-04
58	16	2.91e-05	4.82e-04	-1.38e-04	2.01e-05	2.27e-06	1.80e-05
58	17	1.01e-04	-4.49e-03	-8.52e-05	2.18e-06	0.0	-1.13e-04
58	18	3.77e-05	1.02e-04	-1.38e-04	2.01e-05	2.27e-06	8.47e-06
58	19	9.20e-05	-4.11e-03	-8.52e-05	2.18e-06	0.0	-1.03e-04
58	20	2.91e-05	4.83e-04	-1.38e-04	2.01e-05	2.27e-06	1.78e-05
58	21	1.01e-04	-4.49e-03	-8.52e-05	2.18e-06	0.0	-1.13e-04
58	22	3.77e-05	1.04e-04	-1.38e-04	2.01e-05	2.27e-06	8.35e-06
58	23	3.52e-04	-0.02	-8.52e-05	2.18e-06	0.0	-3.95e-04
58	24	1.42e-04	-4.08e-04	-2.62e-04	6.18e-05	6.49e-06	9.56e-06
58	25	3.55e-04	-0.02	-8.52e-05	2.18e-06	0.0	-3.98e-04
58	26	1.45e-04	-5.22e-04	-2.62e-04	6.18e-05	6.49e-06	6.72e-06
58	27	3.52e-04	-0.02	-8.52e-05	2.18e-06	0.0	-3.95e-04
58	28	1.42e-04	-4.08e-04	-2.62e-04	6.18e-05	6.49e-06	9.56e-06
58	29	3.55e-04	-0.02	-8.52e-05	2.18e-06	0.0	-3.98e-04
58	30	1.45e-04	-5.22e-04	-2.62e-04	6.18e-05	6.49e-06	6.72e-06
58	31	3.52e-04	-0.02	-8.52e-05	2.18e-06	0.0	-3.95e-04
58	32	1.43e-04	-4.03e-04	-2.62e-04	6.18e-05	6.49e-06	9.14e-06
58	33	3.55e-04	-0.02	-8.52e-05	2.18e-06	0.0	-3.97e-04
58	34	1.45e-04	-5.17e-04	-2.62e-04	6.18e-05	6.49e-06	6.29e-06
58	35	3.52e-04	-0.02	-8.52e-05	2.18e-06	0.0	-3.95e-04
58	36	1.43e-04	-4.03e-04	-2.62e-04	6.18e-05	6.49e-06	9.14e-06
58	37	3.55e-04	-0.02	-8.52e-05	2.18e-06	0.0	-3.97e-04

58	38	1.45e-04	-5.17e-04	-2.62e-04	6.18e-05	6.49e-06	6.29e-06
58	39	0.0	2.94e-06	-8.52e-05	2.18e-06	0.0	0.0
58	40	0.0	-3.02e-06	-8.52e-05	2.18e-06	0.0	0.0
58	41	0.0	3.02e-06	-8.52e-05	2.18e-06	0.0	0.0
58	42	0.0	-2.94e-06	-8.52e-05	2.18e-06	0.0	0.0
58	43	0.0	2.34e-06	-8.52e-05	2.18e-06	0.0	0.0
58	44	0.0	-2.42e-06	-8.52e-05	2.18e-06	0.0	0.0
58	45	0.0	2.42e-06	-8.52e-05	2.18e-06	0.0	0.0
58	46	0.0	-2.34e-06	-8.52e-05	2.18e-06	0.0	0.0
58	47	0.0	2.95e-06	-8.52e-05	2.18e-06	0.0	0.0
58	48	0.0	-3.02e-06	-8.52e-05	2.18e-06	0.0	0.0
58	49	0.0	3.02e-06	-8.52e-05	2.18e-06	0.0	0.0
58	50	0.0	-2.95e-06	-8.52e-05	2.18e-06	0.0	0.0
58	51	0.0	2.35e-06	-8.52e-05	2.18e-06	0.0	0.0
58	52	0.0	-2.42e-06	-8.52e-05	2.18e-06	0.0	0.0
58	53	0.0	2.42e-06	-8.52e-05	2.18e-06	0.0	0.0
58	54	0.0	-2.35e-06	-8.52e-05	2.18e-06	0.0	0.0
58	55	-1.30e-06	9.92e-06	-8.52e-05	2.18e-06	0.0	0.0
58	56	1.31e-06	-9.95e-06	-8.52e-05	2.18e-06	0.0	0.0
58	57	-1.31e-06	9.95e-06	-8.52e-05	2.18e-06	0.0	0.0
58	58	1.30e-06	-9.92e-06	-8.52e-05	2.18e-06	0.0	0.0
58	59	-1.30e-06	9.93e-06	-8.52e-05	2.18e-06	0.0	0.0
58	60	1.31e-06	-9.95e-06	-8.52e-05	2.18e-06	0.0	0.0
58	61	-1.31e-06	9.95e-06	-8.52e-05	2.18e-06	0.0	0.0
58	62	1.30e-06	-9.93e-06	-8.52e-05	2.18e-06	0.0	0.0
58	63	-1.34e-06	7.93e-06	-8.52e-05	2.18e-06	0.0	0.0
58	64	1.35e-06	-7.95e-06	-8.52e-05	2.18e-06	0.0	0.0
58	65	-1.35e-06	7.95e-06	-8.52e-05	2.18e-06	0.0	0.0
58	66	1.34e-06	-7.93e-06	-8.52e-05	2.18e-06	0.0	0.0
58	67	-1.34e-06	7.93e-06	-8.52e-05	2.18e-06	0.0	0.0
58	68	1.35e-06	-7.95e-06	-8.52e-05	2.18e-06	0.0	0.0
58	69	-1.35e-06	7.95e-06	-8.52e-05	2.18e-06	0.0	0.0
58	70	1.34e-06	-7.93e-06	-8.52e-05	2.18e-06	0.0	0.0
58	71	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
58	72	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
58	73	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
58	74	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
58	75	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
58	76	0.0	0.0	-8.52e-05	2.18e-06	0.0	0.0
59	1	1.93e-05	-2.18e-05	-1.32e-04	2.06e-06	0.0	0.0
59	2	1.93e-05	-2.18e-05	-1.32e-04	2.06e-06	0.0	0.0
59	3	1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
59	4	1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
59	5	1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
59	6	1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
59	7	9.52e-05	-2.89e-03	-2.96e-03	1.70e-06	7.35e-05	-7.33e-05
59	8	-5.61e-06	4.55e-04	3.84e-04	0.0	-1.02e-05	1.15e-05
59	9	1.03e-04	-3.16e-03	-3.22e-03	1.70e-06	8.03e-05	-8.00e-05
59	10	1.86e-06	1.90e-04	1.20e-04	0.0	-3.45e-06	4.77e-06
59	11	9.52e-05	-2.89e-03	-2.96e-03	1.70e-06	7.35e-05	-7.32e-05
59	12	-5.58e-06	4.56e-04	3.84e-04	0.0	-1.02e-05	1.14e-05
59	13	1.03e-04	-3.16e-03	-3.22e-03	1.71e-06	8.03e-05	-7.99e-05
59	14	1.89e-06	1.91e-04	1.20e-04	0.0	-3.42e-06	4.67e-06
59	15	9.52e-05	-2.89e-03	-2.96e-03	1.69e-06	7.35e-05	-7.32e-05
59	16	-5.61e-06	4.55e-04	3.84e-04	0.0	-1.02e-05	1.15e-05
59	17	1.03e-04	-3.16e-03	-3.22e-03	1.71e-06	8.03e-05	-8.00e-05
59	18	1.86e-06	1.90e-04	1.20e-04	0.0	-3.45e-06	4.77e-06
59	19	9.52e-05	-2.89e-03	-2.96e-03	1.69e-06	7.35e-05	-7.32e-05
59	20	-5.58e-06	4.56e-04	3.84e-04	0.0	-1.02e-05	1.14e-05
59	21	1.03e-04	-3.16e-03	-3.22e-03	1.72e-06	8.03e-05	-7.99e-05
59	22	1.89e-06	1.91e-04	1.20e-04	0.0	-3.42e-06	4.67e-06
59	23	3.23e-04	-0.01	-0.01	2.02e-06	2.80e-04	-2.81e-04
59	24	-1.36e-05	1.46e-04	1.16e-04	-2.53e-06	1.24e-06	2.10e-06
59	25	3.25e-04	-0.01	-0.01	2.02e-06	2.82e-04	-2.83e-04
59	26	-1.13e-05	6.61e-05	3.71e-05	-2.53e-06	3.27e-06	0.0
59	27	3.23e-04	-0.01	-0.01	2.01e-06	2.80e-04	-2.81e-04
59	28	-1.36e-05	1.46e-04	1.16e-04	-2.53e-06	1.24e-06	2.10e-06
59	29	3.25e-04	-0.01	-0.01	2.02e-06	2.82e-04	-2.83e-04
59	30	-1.13e-05	6.61e-05	3.71e-05	-2.52e-06	3.27e-06	0.0
59	31	3.22e-04	-0.01	-0.01	2.03e-06	2.80e-04	-2.80e-04
59	32	-1.35e-05	1.50e-04	1.17e-04	-2.54e-06	1.23e-06	1.79e-06
59	33	3.25e-04	-0.01	-0.01	2.03e-06	2.82e-04	-2.82e-04
59	34	-1.12e-05	7.02e-05	3.81e-05	-2.54e-06	3.36e-06	0.0
59	35	3.22e-04	-0.01	-0.01	2.03e-06	2.80e-04	-2.80e-04
59	36	-1.35e-05	1.50e-04	1.17e-04	-2.55e-06	1.33e-06	1.79e-06
59	37	3.25e-04	-0.01	-0.01	2.04e-06	2.82e-04	-2.82e-04
59	38	-1.12e-05	7.02e-05	3.81e-05	-2.54e-06	3.36e-06	0.0

59	39	1.45e-05	-1.40e-05	-1.01e-04	1.57e-06	0.0	0.0
59	40	1.51e-05	-1.95e-05	-1.02e-04	1.60e-06	0.0	0.0
59	41	1.45e-05	-1.40e-05	-1.01e-04	1.57e-06	0.0	0.0
59	42	1.51e-05	-1.94e-05	-1.01e-04	1.59e-06	0.0	0.0
59	43	1.45e-05	-1.45e-05	-1.01e-04	1.58e-06	0.0	0.0
59	44	1.51e-05	-1.90e-05	-1.01e-04	1.60e-06	0.0	0.0
59	45	1.45e-05	-1.44e-05	-1.01e-04	1.57e-06	0.0	0.0
59	46	1.51e-05	-1.90e-05	-1.01e-04	1.59e-06	0.0	0.0
59	47	1.45e-05	-1.40e-05	-1.01e-04	1.57e-06	0.0	0.0
59	48	1.51e-05	-1.95e-05	-1.02e-04	1.59e-06	0.0	0.0
59	49	1.45e-05	-1.40e-05	-1.01e-04	1.57e-06	0.0	0.0
59	50	1.51e-05	-1.94e-05	-1.01e-04	1.60e-06	0.0	0.0
59	51	1.45e-05	-1.45e-05	-1.01e-04	1.57e-06	0.0	0.0
59	52	1.51e-05	-1.90e-05	-1.01e-04	1.59e-06	0.0	0.0
59	53	1.45e-05	-1.44e-05	-1.01e-04	1.58e-06	0.0	0.0
59	54	1.51e-05	-1.90e-05	-1.01e-04	1.60e-06	0.0	0.0
59	55	1.39e-05	-7.64e-06	-1.00e-04	1.55e-06	0.0	0.0
59	56	1.58e-05	-2.58e-05	-1.02e-04	1.62e-06	0.0	0.0
59	57	1.39e-05	-7.63e-06	-1.00e-04	1.54e-06	0.0	0.0
59	58	1.58e-05	-2.58e-05	-1.02e-04	1.62e-06	0.0	0.0
59	59	1.39e-05	-7.64e-06	-1.00e-04	1.54e-06	0.0	0.0
59	60	1.58e-05	-2.58e-05	-1.02e-04	1.62e-06	0.0	0.0
59	61	1.39e-05	-7.63e-06	-1.00e-04	1.55e-06	0.0	0.0
59	62	1.58e-05	-2.58e-05	-1.02e-04	1.62e-06	0.0	0.0
59	63	1.38e-05	-9.14e-06	-1.01e-04	1.55e-06	0.0	0.0
59	64	1.58e-05	-2.43e-05	-1.02e-04	1.62e-06	0.0	0.0
59	65	1.38e-05	-9.13e-06	-1.01e-04	1.55e-06	0.0	0.0
59	66	1.58e-05	-2.43e-05	-1.02e-04	1.62e-06	0.0	0.0
59	67	1.38e-05	-9.14e-06	-1.01e-04	1.55e-06	0.0	0.0
59	68	1.58e-05	-2.43e-05	-1.02e-04	1.62e-06	0.0	0.0
59	69	1.38e-05	-9.13e-06	-1.01e-04	1.55e-06	0.0	0.0
59	70	1.58e-05	-2.43e-05	-1.02e-04	1.62e-06	0.0	0.0
59	71	1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
59	72	1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
59	73	1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
59	74	1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
59	75	1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
59	76	1.48e-05	-1.67e-05	-1.01e-04	1.58e-06	0.0	0.0
60	1	2.58e-05	0.0	-1.48e-04	0.0	0.0	0.0
60	2	2.58e-05	0.0	-1.48e-04	0.0	0.0	0.0
60	3	1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
60	4	1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
60	5	1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
60	6	1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
60	7	9.04e-05	6.64e-06	-4.12e-03	0.0	1.04e-04	0.0
60	8	1.12e-05	-6.61e-06	5.23e-04	0.0	-1.67e-05	0.0
60	9	9.69e-05	6.61e-06	-4.49e-03	0.0	1.14e-04	0.0
60	10	1.77e-05	-6.64e-06	1.53e-04	0.0	-7.16e-06	0.0
60	11	9.04e-05	5.79e-06	-4.12e-03	0.0	1.04e-04	0.0
60	12	1.12e-05	-5.79e-06	5.23e-04	0.0	-1.67e-05	0.0
60	13	9.69e-05	5.76e-06	-4.49e-03	0.0	1.14e-04	0.0
60	14	1.77e-05	-5.79e-06	1.53e-04	0.0	-7.16e-06	0.0
60	15	9.04e-05	6.61e-06	-4.12e-03	0.0	1.04e-04	0.0
60	16	1.12e-05	-6.64e-06	5.23e-04	0.0	-1.67e-05	0.0
60	17	9.69e-05	6.64e-06	-4.49e-03	0.0	1.14e-04	0.0
60	18	1.77e-05	-6.61e-06	1.53e-04	0.0	-7.16e-06	0.0
60	19	9.04e-05	5.76e-06	-4.12e-03	0.0	1.04e-04	0.0
60	20	1.12e-05	-5.79e-06	5.23e-04	0.0	-1.67e-05	0.0
60	21	9.69e-05	5.79e-06	-4.49e-03	0.0	1.14e-04	0.0
60	22	1.77e-05	-5.76e-06	1.53e-04	0.0	-7.16e-06	0.0
60	23	2.89e-04	2.21e-05	-0.02	0.0	3.97e-04	-1.55e-06
60	24	2.57e-05	-2.21e-05	4.68e-05	0.0	-5.22e-06	1.55e-06
60	25	2.91e-04	2.21e-05	-0.02	0.0	4.00e-04	-1.55e-06
60	26	2.76e-05	-2.21e-05	-6.41e-05	0.0	-2.35e-06	1.55e-06
60	27	2.89e-04	2.21e-05	-0.02	0.0	3.97e-04	-1.55e-06
60	28	2.57e-05	-2.21e-05	4.68e-05	0.0	-5.22e-06	1.55e-06
60	29	2.91e-04	2.21e-05	-0.02	0.0	4.00e-04	-1.55e-06
60	30	2.76e-05	-2.21e-05	-6.41e-05	0.0	-2.35e-06	1.55e-06
60	31	2.89e-04	1.93e-05	-0.02	0.0	3.97e-04	-1.33e-06
60	32	2.57e-05	-1.92e-05	4.68e-05	0.0	-5.22e-06	1.32e-06
60	33	2.91e-04	1.92e-05	-0.02	0.0	4.00e-04	-1.32e-06
60	34	2.76e-05	-1.93e-05	-6.41e-05	0.0	-2.35e-06	1.33e-06
60	35	2.89e-04	1.92e-05	-0.02	0.0	3.97e-04	-1.32e-06
60	36	2.57e-05	-1.93e-05	4.68e-05	0.0	-5.22e-06	1.33e-06
60	37	2.91e-04	1.93e-05	-0.02	0.0	4.00e-04	-1.33e-06
60	38	2.76e-05	-1.92e-05	-6.41e-05	0.0	-2.35e-06	1.32e-06
60	39	1.98e-05	2.46e-06	-1.14e-04	0.0	0.0	0.0

60	40	1.98e-05	-2.45e-06	-1.14e-04	0.0	0.0	0.0
60	41	1.98e-05	2.45e-06	-1.14e-04	0.0	0.0	0.0
60	42	1.98e-05	-2.46e-06	-1.14e-04	0.0	0.0	0.0
60	43	1.98e-05	2.15e-06	-1.14e-04	0.0	0.0	0.0
60	44	1.98e-05	-2.14e-06	-1.14e-04	0.0	0.0	0.0
60	45	1.98e-05	2.14e-06	-1.14e-04	0.0	0.0	0.0
60	46	1.98e-05	-2.15e-06	-1.14e-04	0.0	0.0	0.0
60	47	1.98e-05	2.45e-06	-1.14e-04	0.0	0.0	0.0
60	48	1.98e-05	-2.46e-06	-1.14e-04	0.0	0.0	0.0
60	49	1.98e-05	2.46e-06	-1.14e-04	0.0	0.0	0.0
60	50	1.98e-05	-2.45e-06	-1.14e-04	0.0	0.0	0.0
60	51	1.98e-05	2.14e-06	-1.14e-04	0.0	0.0	0.0
60	52	1.98e-05	-2.15e-06	-1.14e-04	0.0	0.0	0.0
60	53	1.98e-05	2.15e-06	-1.14e-04	0.0	0.0	0.0
60	54	1.98e-05	-2.14e-06	-1.14e-04	0.0	0.0	0.0
60	55	1.98e-05	8.20e-06	-1.14e-04	0.0	0.0	0.0
60	56	1.98e-05	-8.19e-06	-1.14e-04	0.0	0.0	0.0
60	57	1.98e-05	8.19e-06	-1.14e-04	0.0	0.0	0.0
60	58	1.98e-05	-8.20e-06	-1.14e-04	0.0	0.0	0.0
60	59	1.98e-05	8.19e-06	-1.14e-04	0.0	0.0	0.0
60	60	1.98e-05	-8.20e-06	-1.14e-04	0.0	0.0	0.0
60	61	1.98e-05	8.20e-06	-1.14e-04	0.0	0.0	0.0
60	62	1.98e-05	-8.19e-06	-1.14e-04	0.0	0.0	0.0
60	63	1.98e-05	7.14e-06	-1.14e-04	0.0	0.0	0.0
60	64	1.98e-05	-7.14e-06	-1.14e-04	0.0	0.0	0.0
60	65	1.98e-05	7.14e-06	-1.14e-04	0.0	0.0	0.0
60	66	1.98e-05	-7.14e-06	-1.14e-04	0.0	0.0	0.0
60	67	1.98e-05	7.14e-06	-1.14e-04	0.0	0.0	0.0
60	68	1.98e-05	-7.14e-06	-1.14e-04	0.0	0.0	0.0
60	69	1.98e-05	7.14e-06	-1.14e-04	0.0	0.0	0.0
60	70	1.98e-05	-7.14e-06	-1.14e-04	0.0	0.0	0.0
60	71	1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
60	72	1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
60	73	1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
60	74	1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
60	75	1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
60	76	1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
61	1	1.93e-05	2.18e-05	-1.32e-04	-2.06e-06	0.0	0.0
61	2	1.93e-05	2.18e-05	-1.32e-04	-2.06e-06	0.0	0.0
61	3	1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
61	4	1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
61	5	1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
61	6	1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
61	7	9.67e-05	2.91e-03	-2.96e-03	-1.75e-06	7.34e-05	7.22e-05
61	8	-7.13e-06	-4.70e-04	3.85e-04	0.0	-1.00e-05	-1.04e-05
61	9	1.04e-04	3.17e-03	-3.22e-03	-1.77e-06	8.01e-05	7.89e-05
61	10	0.0	-2.04e-04	1.22e-04	0.0	-3.27e-06	-3.67e-06
61	11	9.68e-05	2.91e-03	-2.96e-03	-1.75e-06	7.34e-05	7.23e-05
61	12	-7.16e-06	-4.69e-04	3.85e-04	0.0	-1.01e-05	-1.05e-05
61	13	1.04e-04	3.17e-03	-3.22e-03	-1.77e-06	8.01e-05	7.90e-05
61	14	0.0	-2.03e-04	1.21e-04	0.0	-3.30e-06	-3.76e-06
61	15	9.67e-05	2.91e-03	-2.96e-03	-1.76e-06	7.34e-05	7.22e-05
61	16	-7.13e-06	-4.70e-04	3.85e-04	0.0	-1.00e-05	-1.04e-05
61	17	1.04e-04	3.17e-03	-3.22e-03	-1.76e-06	8.01e-05	7.89e-05
61	18	0.0	-2.04e-04	1.22e-04	0.0	-3.27e-06	-3.67e-06
61	19	9.68e-05	2.91e-03	-2.96e-03	-1.76e-06	7.34e-05	7.23e-05
61	20	-7.16e-06	-4.69e-04	3.85e-04	0.0	-1.01e-05	-1.05e-05
61	21	1.04e-04	3.17e-03	-3.22e-03	-1.76e-06	8.01e-05	7.90e-05
61	22	0.0	-2.03e-04	1.21e-04	0.0	-3.30e-06	-3.76e-06
61	23	3.28e-04	0.01	-0.01	-2.22e-06	2.80e-04	2.77e-04
61	24	-1.86e-05	-1.95e-04	1.21e-04	2.74e-06	1.83e-06	1.56e-06
61	25	3.30e-04	0.01	-0.01	-2.23e-06	2.82e-04	2.79e-04
61	26	-1.64e-05	-1.15e-04	4.23e-05	2.73e-06	3.86e-06	3.58e-06
61	27	3.28e-04	0.01	-0.01	-2.23e-06	2.80e-04	2.77e-04
61	28	-1.86e-05	-1.95e-04	1.21e-04	2.74e-06	1.83e-06	1.56e-06
61	29	3.30e-04	0.01	-0.01	-2.23e-06	2.82e-04	2.79e-04
61	30	-1.64e-05	-1.15e-04	4.23e-05	2.74e-06	3.86e-06	3.58e-06
61	31	3.28e-04	0.01	-0.01	-2.21e-06	2.80e-04	2.77e-04
61	32	-1.87e-05	-1.91e-04	1.20e-04	2.72e-06	1.75e-06	1.25e-06
61	33	3.30e-04	0.01	-0.01	-2.22e-06	2.82e-04	2.79e-04
61	34	-1.65e-05	-1.11e-04	4.12e-05	2.72e-06	3.78e-06	3.27e-06
61	35	3.28e-04	0.01	-0.01	-2.21e-06	2.80e-04	2.77e-04
61	36	-1.87e-05	-1.91e-04	1.20e-04	2.72e-06	1.75e-06	1.25e-06
61	37	3.30e-04	0.01	-0.01	-2.21e-06	2.82e-04	2.79e-04
61	38	-1.65e-05	-1.11e-04	4.12e-05	2.72e-06	3.78e-06	3.27e-06
61	39	1.51e-05	1.95e-05	-1.02e-04	-1.59e-06	0.0	0.0
61	40	1.45e-05	1.40e-05	-1.01e-04	-1.57e-06	0.0	0.0

61	41	1.51e-05	1.94e-05	-1.01e-04	-1.60e-06	0.0	0.0
61	42	1.45e-05	1.40e-05	-1.01e-04	-1.57e-06	0.0	0.0
61	43	1.51e-05	1.90e-05	-1.01e-04	-1.59e-06	0.0	0.0
61	44	1.45e-05	1.45e-05	-1.01e-04	-1.57e-06	0.0	0.0
61	45	1.51e-05	1.90e-05	-1.01e-04	-1.60e-06	0.0	0.0
61	46	1.45e-05	1.44e-05	-1.01e-04	-1.58e-06	0.0	0.0
61	47	1.51e-05	1.95e-05	-1.02e-04	-1.60e-06	0.0	0.0
61	48	1.45e-05	1.40e-05	-1.01e-04	-1.57e-06	0.0	0.0
61	49	1.51e-05	1.94e-05	-1.01e-04	-1.59e-06	0.0	0.0
61	50	1.45e-05	1.40e-05	-1.01e-04	-1.57e-06	0.0	0.0
61	51	1.51e-05	1.90e-05	-1.01e-04	-1.60e-06	0.0	0.0
61	52	1.45e-05	1.45e-05	-1.01e-04	-1.58e-06	0.0	0.0
61	53	1.51e-05	1.90e-05	-1.01e-04	-1.59e-06	0.0	0.0
61	54	1.45e-05	1.44e-05	-1.01e-04	-1.57e-06	0.0	0.0
61	55	1.58e-05	2.58e-05	-1.02e-04	-1.62e-06	0.0	0.0
61	56	1.39e-05	7.64e-06	-1.00e-04	-1.54e-06	0.0	0.0
61	57	1.58e-05	2.58e-05	-1.02e-04	-1.62e-06	0.0	0.0
61	58	1.39e-05	7.63e-06	-1.00e-04	-1.55e-06	0.0	0.0
61	59	1.58e-05	2.58e-05	-1.02e-04	-1.62e-06	0.0	0.0
61	60	1.39e-05	7.64e-06	-1.00e-04	-1.55e-06	0.0	0.0
61	61	1.58e-05	2.58e-05	-1.02e-04	-1.62e-06	0.0	0.0
61	62	1.39e-05	7.63e-06	-1.00e-04	-1.54e-06	0.0	0.0
61	63	1.58e-05	2.43e-05	-1.02e-04	-1.62e-06	0.0	0.0
61	64	1.38e-05	9.14e-06	-1.01e-04	-1.55e-06	0.0	0.0
61	65	1.58e-05	2.43e-05	-1.02e-04	-1.62e-06	0.0	0.0
61	66	1.38e-05	9.13e-06	-1.01e-04	-1.55e-06	0.0	0.0
61	67	1.58e-05	2.43e-05	-1.02e-04	-1.62e-06	0.0	0.0
61	68	1.38e-05	9.14e-06	-1.01e-04	-1.55e-06	0.0	0.0
61	69	1.58e-05	2.43e-05	-1.02e-04	-1.62e-06	0.0	0.0
61	70	1.38e-05	9.13e-06	-1.01e-04	-1.55e-06	0.0	0.0
61	71	1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
61	72	1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
61	73	1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
61	74	1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
61	75	1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
61	76	1.48e-05	1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
62	1	0.0	0.0	-1.11e-04	-2.83e-06	0.0	0.0
62	2	0.0	0.0	-1.11e-04	-2.83e-06	0.0	0.0
62	3	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0
62	4	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0
62	5	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0
62	6	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0
62	7	9.41e-05	4.12e-03	-8.52e-05	-2.18e-06	0.0	1.02e-04
62	8	2.70e-05	-4.98e-04	-1.38e-04	-2.01e-05	2.27e-06	-1.67e-05
62	9	1.03e-04	4.50e-03	-8.52e-05	-2.18e-06	0.0	1.12e-04
62	10	3.55e-05	-1.18e-04	-1.38e-04	-2.01e-05	2.27e-06	-7.21e-06
62	11	9.41e-05	4.12e-03	-8.52e-05	-2.18e-06	0.0	1.02e-04
62	12	2.70e-05	-4.96e-04	-1.38e-04	-2.01e-05	2.27e-06	-1.68e-05
62	13	1.03e-04	4.50e-03	-8.52e-05	-2.18e-06	0.0	1.12e-04
62	14	3.55e-05	-1.17e-04	-1.38e-04	-2.01e-05	2.27e-06	-7.33e-06
62	15	9.41e-05	4.12e-03	-8.52e-05	-2.18e-06	0.0	1.02e-04
62	16	2.70e-05	-4.98e-04	-1.38e-04	-2.01e-05	2.27e-06	-1.67e-05
62	17	1.03e-04	4.50e-03	-8.52e-05	-2.18e-06	0.0	1.12e-04
62	18	3.56e-05	-1.18e-04	-1.38e-04	-2.01e-05	2.27e-06	-7.21e-06
62	19	9.41e-05	4.12e-03	-8.52e-05	-2.18e-06	0.0	1.02e-04
62	20	2.70e-05	-4.96e-04	-1.38e-04	-2.01e-05	2.27e-06	-1.68e-05
62	21	1.03e-04	4.50e-03	-8.52e-05	-2.18e-06	0.0	1.12e-04
62	22	3.55e-05	-1.17e-04	-1.38e-04	-2.01e-05	2.27e-06	-7.33e-06
62	23	3.59e-04	0.02	-8.52e-05	-2.17e-06	0.0	3.91e-04
62	24	1.35e-04	3.55e-04	-2.62e-04	-6.18e-05	6.49e-06	-5.35e-06
62	25	3.62e-04	0.02	-8.52e-05	-2.17e-06	0.0	3.94e-04
62	26	1.38e-04	4.69e-04	-2.62e-04	-6.18e-05	6.49e-06	-2.50e-06
62	27	3.59e-04	0.02	-8.52e-05	-2.17e-06	0.0	3.91e-04
62	28	1.35e-04	3.55e-04	-2.62e-04	-6.18e-05	6.49e-06	-5.35e-06
62	29	3.62e-04	0.02	-8.52e-05	-2.17e-06	0.0	3.94e-04
62	30	1.38e-04	4.69e-04	-2.62e-04	-6.18e-05	6.49e-06	-2.50e-06
62	31	3.59e-04	0.02	-8.52e-05	-2.18e-06	0.0	3.91e-04
62	32	1.35e-04	3.60e-04	-2.62e-04	-6.18e-05	6.49e-06	-5.77e-06
62	33	3.62e-04	0.02	-8.52e-05	-2.18e-06	0.0	3.94e-04
62	34	1.38e-04	4.74e-04	-2.62e-04	-6.18e-05	6.49e-06	-2.92e-06
62	35	3.59e-04	0.02	-8.52e-05	-2.18e-06	0.0	3.91e-04
62	36	1.35e-04	3.60e-04	-2.62e-04	-6.18e-05	6.49e-06	-5.77e-06
62	37	3.62e-04	0.02	-8.52e-05	-2.18e-06	0.0	3.94e-04
62	38	1.38e-04	4.74e-04	-2.62e-04	-6.18e-05	6.49e-06	-2.92e-06
62	39	0.0	3.01e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	40	0.0	-2.94e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	41	0.0	2.94e-06	-8.52e-05	-2.18e-06	0.0	0.0

62	42	0.0	-3.01e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	43	0.0	2.42e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	44	0.0	-2.34e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	45	0.0	2.34e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	46	0.0	-2.42e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	47	0.0	3.01e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	48	0.0	-2.94e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	49	0.0	2.94e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	50	0.0	-3.01e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	51	0.0	2.42e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	52	0.0	-2.35e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	53	0.0	2.35e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	54	0.0	-2.42e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	55	1.30e-06	9.93e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	56	-1.30e-06	-9.91e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	57	1.30e-06	9.91e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	58	-1.30e-06	-9.93e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	59	1.30e-06	9.93e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	60	-1.30e-06	-9.91e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	61	1.30e-06	9.91e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	62	-1.30e-06	-9.93e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	63	1.34e-06	7.95e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	64	-1.34e-06	-7.93e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	65	1.34e-06	7.93e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	66	-1.34e-06	-7.95e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	67	1.34e-06	7.95e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	68	-1.34e-06	-7.93e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	69	1.34e-06	7.93e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	70	-1.34e-06	-7.95e-06	-8.52e-05	-2.18e-06	0.0	0.0
62	71	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0
62	72	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0
62	73	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0
62	74	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0
62	75	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0
62	76	0.0	0.0	-8.52e-05	-2.18e-06	0.0	0.0
63	1	-1.93e-05	-2.18e-05	-1.32e-04	-2.06e-06	0.0	0.0
63	2	-1.93e-05	-2.18e-05	-1.32e-04	-2.06e-06	0.0	0.0
63	3	-1.48e-05	-1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
63	4	-1.48e-05	-1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
63	5	-1.48e-05	-1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
63	6	-1.48e-05	-1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
63	7	6.71e-05	2.87e-03	2.76e-03	-1.42e-06	-7.29e-05	7.26e-05
63	8	1.75e-04	2.87e-04	-4.09e-04	2.78e-06	2.67e-05	-3.16e-05
63	9	7.46e-05	3.14e-03	3.02e-03	-1.39e-06	-7.96e-05	7.94e-05
63	10	1.83e-04	5.52e-04	-1.45e-04	2.81e-06	1.99e-05	-2.49e-05
63	11	6.71e-05	2.87e-03	2.76e-03	-1.42e-06	-7.29e-05	7.27e-05
63	12	1.75e-04	2.88e-04	-4.09e-04	2.79e-06	2.67e-05	-3.17e-05
63	13	7.46e-05	3.14e-03	3.02e-03	-1.40e-06	-7.97e-05	7.95e-05
63	14	1.83e-04	5.54e-04	-1.45e-04	2.81e-06	2.00e-05	-2.50e-05
63	15	6.71e-05	2.87e-03	2.76e-03	-1.41e-06	-7.29e-05	7.26e-05
63	16	1.75e-04	2.87e-04	-4.09e-04	2.80e-06	2.67e-05	-3.16e-05
63	17	7.46e-05	3.14e-03	3.02e-03	-1.40e-06	-7.96e-05	7.94e-05
63	18	1.83e-04	5.52e-04	-1.45e-04	2.80e-06	2.00e-05	-2.49e-05
63	19	6.71e-05	2.87e-03	2.76e-03	-1.41e-06	-7.29e-05	7.27e-05
63	20	1.75e-04	2.88e-04	-4.09e-04	2.80e-06	2.67e-05	-3.17e-05
63	21	7.46e-05	3.14e-03	3.02e-03	-1.41e-06	-7.97e-05	7.95e-05
63	22	1.83e-04	5.54e-04	-1.45e-04	2.80e-06	2.00e-05	-2.50e-05
63	23	2.98e-04	0.01	0.01	0.0	-2.79e-04	2.77e-04
63	24	6.59e-04	2.41e-03	2.72e-04	1.31e-05	5.26e-05	-7.02e-05
63	25	3.00e-04	0.01	0.01	0.0	-2.81e-04	2.79e-04
63	26	6.61e-04	2.49e-03	3.51e-04	1.31e-05	5.06e-05	-6.82e-05
63	27	2.98e-04	0.01	0.01	0.0	-2.79e-04	2.77e-04
63	28	6.59e-04	2.41e-03	2.72e-04	1.31e-05	5.26e-05	-7.02e-05
63	29	3.00e-04	0.01	0.01	0.0	-2.81e-04	2.79e-04
63	30	6.61e-04	2.49e-03	3.51e-04	1.31e-05	5.06e-05	-6.82e-05
63	31	2.98e-04	0.01	0.01	0.0	-2.79e-04	2.78e-04
63	32	6.58e-04	2.41e-03	2.73e-04	1.31e-05	5.27e-05	-7.05e-05
63	33	3.00e-04	0.01	0.01	0.0	-2.81e-04	2.80e-04
63	34	6.61e-04	2.49e-03	3.52e-04	1.31e-05	5.07e-05	-6.85e-05
63	35	2.98e-04	0.01	0.01	0.0	-2.79e-04	2.78e-04
63	36	6.58e-04	2.41e-03	2.73e-04	1.31e-05	5.27e-05	-7.05e-05
63	37	3.00e-04	0.01	0.01	0.0	-2.81e-04	2.80e-04
63	38	6.61e-04	2.49e-03	3.52e-04	1.31e-05	5.07e-05	-6.85e-05
63	39	-1.45e-05	-1.40e-05	-1.01e-04	-1.57e-06	0.0	0.0
63	40	-1.51e-05	-1.94e-05	-1.01e-04	-1.60e-06	0.0	0.0
63	41	-1.45e-05	-1.40e-05	-1.01e-04	-1.57e-06	0.0	0.0
63	42	-1.51e-05	-1.95e-05	-1.02e-04	-1.59e-06	0.0	0.0

63	43	-1.45e-05	-1.44e-05	-1.01e-04	-1.58e-06	0.0	0.0
63	44	-1.51e-05	-1.90e-05	-1.01e-04	-1.60e-06	0.0	0.0
63	45	-1.45e-05	-1.45e-05	-1.01e-04	-1.57e-06	0.0	0.0
63	46	-1.51e-05	-1.90e-05	-1.01e-04	-1.59e-06	0.0	0.0
63	47	-1.45e-05	-1.40e-05	-1.01e-04	-1.57e-06	0.0	0.0
63	48	-1.51e-05	-1.94e-05	-1.01e-04	-1.59e-06	0.0	0.0
63	49	-1.45e-05	-1.40e-05	-1.01e-04	-1.57e-06	0.0	0.0
63	50	-1.51e-05	-1.95e-05	-1.02e-04	-1.60e-06	0.0	0.0
63	51	-1.45e-05	-1.44e-05	-1.01e-04	-1.57e-06	0.0	0.0
63	52	-1.51e-05	-1.90e-05	-1.01e-04	-1.59e-06	0.0	0.0
63	53	-1.45e-05	-1.45e-05	-1.01e-04	-1.58e-06	0.0	0.0
63	54	-1.51e-05	-1.90e-05	-1.01e-04	-1.60e-06	0.0	0.0
63	55	-1.39e-05	-7.65e-06	-1.00e-04	-1.55e-06	0.0	0.0
63	56	-1.58e-05	-2.58e-05	-1.02e-04	-1.62e-06	0.0	0.0
63	57	-1.39e-05	-7.65e-06	-1.00e-04	-1.54e-06	0.0	0.0
63	58	-1.58e-05	-2.58e-05	-1.02e-04	-1.62e-06	0.0	0.0
63	59	-1.39e-05	-7.65e-06	-1.00e-04	-1.54e-06	0.0	0.0
63	60	-1.58e-05	-2.58e-05	-1.02e-04	-1.62e-06	0.0	0.0
63	61	-1.39e-05	-7.65e-06	-1.00e-04	-1.55e-06	0.0	0.0
63	62	-1.58e-05	-2.58e-05	-1.02e-04	-1.62e-06	0.0	0.0
63	63	-1.38e-05	-9.13e-06	-1.01e-04	-1.55e-06	0.0	0.0
63	64	-1.58e-05	-2.43e-05	-1.02e-04	-1.62e-06	0.0	0.0
63	65	-1.38e-05	-9.14e-06	-1.01e-04	-1.55e-06	0.0	0.0
63	66	-1.58e-05	-2.43e-05	-1.02e-04	-1.62e-06	0.0	0.0
63	67	-1.38e-05	-9.13e-06	-1.01e-04	-1.55e-06	0.0	0.0
63	68	-1.58e-05	-2.43e-05	-1.02e-04	-1.62e-06	0.0	0.0
63	69	-1.38e-05	-9.14e-06	-1.01e-04	-1.55e-06	0.0	0.0
63	70	-1.58e-05	-2.43e-05	-1.02e-04	-1.62e-06	0.0	0.0
63	71	-1.48e-05	-1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
63	72	-1.48e-05	-1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
63	73	-1.48e-05	-1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
63	74	-1.48e-05	-1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
63	75	-1.48e-05	-1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
63	76	-1.48e-05	-1.67e-05	-1.01e-04	-1.58e-06	0.0	0.0
64	1	-2.58e-05	0.0	-1.48e-04	0.0	0.0	0.0
64	2	-2.58e-05	0.0	-1.48e-04	0.0	0.0	0.0
64	3	-1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
64	4	-1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
64	5	-1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
64	6	-1.98e-05	0.0	-1.14e-04	0.0	0.0	0.0
64	7	5.07e-05	6.64e-06	3.90e-03	0.0	-1.04e-04	0.0
64	8	-5.28e-04	-6.61e-06	-3.19e-03	0.0	-1.09e-05	0.0
64	9	5.72e-05	6.61e-06	4.27e-03	0.0	-1.13e-04	0.0
64	10	-5.21e-04	-6.64e-06	-2.82e-03	0.0	-2.05e-05	0.0
64	11	5.07e-05	5.79e-06	3.90e-03	0.0	-1.04e-04	0.0
64	12	-5.28e-04	-5.76e-06	-3.19e-03	0.0	-1.09e-05	0.0
64	13	5.72e-05	5.76e-06	4.27e-03	0.0	-1.13e-04	0.0
64	14	-5.21e-04	-5.79e-06	-2.82e-03	0.0	-2.05e-05	0.0
64	15	5.07e-05	6.61e-06	3.90e-03	0.0	-1.04e-04	0.0
64	16	-5.28e-04	-6.64e-06	-3.19e-03	0.0	-1.09e-05	0.0
64	17	5.72e-05	6.64e-06	4.27e-03	0.0	-1.13e-04	0.0
64	18	-5.21e-04	-6.61e-06	-2.82e-03	0.0	-2.05e-05	0.0
64	19	5.07e-05	5.76e-06	3.90e-03	0.0	-1.04e-04	0.0
64	20	-5.28e-04	-5.79e-06	-3.19e-03	0.0	-1.09e-05	0.0
64	21	5.72e-05	5.79e-06	4.27e-03	0.0	-1.13e-04	0.0
64	22	-5.21e-04	-5.76e-06	-2.82e-03	0.0	-2.05e-05	0.0
64	23	2.50e-04	2.21e-05	0.02	0.0	-3.97e-04	-1.55e-06
64	24	-1.68e-03	-2.21e-05	-8.41e-03	0.0	-8.74e-05	1.55e-06
64	25	2.52e-04	2.21e-05	0.02	0.0	-4.00e-04	-1.55e-06
64	26	-1.68e-03	-2.21e-05	-8.30e-03	0.0	-9.02e-05	1.55e-06
64	27	2.50e-04	2.21e-05	0.02	0.0	-3.97e-04	-1.55e-06
64	28	-1.68e-03	-2.21e-05	-8.41e-03	0.0	-8.74e-05	1.55e-06
64	29	2.52e-04	2.21e-05	0.02	0.0	-4.00e-04	-1.55e-06
64	30	-1.68e-03	-2.21e-05	-8.30e-03	0.0	-9.02e-05	1.55e-06
64	31	2.50e-04	1.93e-05	0.02	0.0	-3.97e-04	-1.33e-06
64	32	-1.68e-03	-1.92e-05	-8.41e-03	0.0	-8.74e-05	1.32e-06
64	33	2.52e-04	1.92e-05	0.02	0.0	-4.00e-04	-1.32e-06
64	34	-1.68e-03	-1.93e-05	-8.30e-03	0.0	-9.02e-05	1.33e-06
64	35	2.50e-04	1.92e-05	0.02	0.0	-3.97e-04	-1.32e-06
64	36	-1.68e-03	-1.93e-05	-8.41e-03	0.0	-8.74e-05	1.33e-06
64	37	2.52e-04	1.93e-05	0.02	0.0	-4.00e-04	-1.33e-06
64	38	-1.68e-03	-1.92e-05	-8.30e-03	0.0	-9.02e-05	1.32e-06
64	39	-1.98e-05	2.46e-06	-1.14e-04	0.0	0.0	0.0
64	40	-1.98e-05	-2.45e-06	-1.14e-04	0.0	0.0	0.0
64	41	-1.98e-05	2.45e-06	-1.14e-04	0.0	0.0	0.0
64	42	-1.98e-05	-2.46e-06	-1.14e-04	0.0	0.0	0.0
64	43	-1.98e-05	2.15e-06	-1.14e-04	0.0	0.0	0.0

















72	52	0.0	0.0	0.0	0.0	0.0	0.0
72	53	0.0	0.0	0.0	0.0	0.0	0.0
72	54	0.0	0.0	0.0	0.0	0.0	0.0
72	55	0.0	0.0	0.0	0.0	0.0	0.0
72	56	0.0	0.0	0.0	0.0	0.0	0.0
72	57	0.0	0.0	0.0	0.0	0.0	0.0
72	58	0.0	0.0	0.0	0.0	0.0	0.0
72	59	0.0	0.0	0.0	0.0	0.0	0.0
72	60	0.0	0.0	0.0	0.0	0.0	0.0
72	61	0.0	0.0	0.0	0.0	0.0	0.0
72	62	0.0	0.0	0.0	0.0	0.0	0.0
72	63	0.0	0.0	0.0	0.0	0.0	0.0
72	64	0.0	0.0	0.0	0.0	0.0	0.0
72	65	0.0	0.0	0.0	0.0	0.0	0.0
72	66	0.0	0.0	0.0	0.0	0.0	0.0
72	67	0.0	0.0	0.0	0.0	0.0	0.0
72	68	0.0	0.0	0.0	0.0	0.0	0.0
72	69	0.0	0.0	0.0	0.0	0.0	0.0
72	70	0.0	0.0	0.0	0.0	0.0	0.0
72	71	0.0	0.0	0.0	0.0	0.0	0.0
72	72	0.0	0.0	0.0	0.0	0.0	0.0
72	73	0.0	0.0	0.0	0.0	0.0	0.0
72	74	0.0	0.0	0.0	0.0	0.0	0.0
72	75	0.0	0.0	0.0	0.0	0.0	0.0
72	76	0.0	0.0	0.0	0.0	0.0	0.0

Nodo	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
	-1.76e-03	-0.02	-0.02	-2.39e-04	-4.00e-04	-3.98e-04
	1.76e-03	0.02	0.02	2.39e-04	4.00e-04	3.98e-04

Nodo	Cmb	Azione X daN	Azione Y daN	Azione Z daN	Azione RX daN cm	Azione RY daN cm	Azione RZ daN cm
1	1	15.81	-16.62	-26.33	-7.30e-03	-0.76	-0.83
1	2	15.81	-16.62	-26.33	-7.30e-03	-0.76	-0.83
1	3	12.16	-12.79	-20.26	-5.62e-03	-0.59	-0.64
1	4	12.16	-12.79	-20.26	-5.62e-03	-0.59	-0.64
1	5	12.16	-12.79	-20.26	-5.62e-03	-0.59	-0.64
1	6	12.16	-12.79	-20.26	-5.62e-03	-0.59	-0.64
1	7	278.31	-188.32	148.90	-0.08	255.68	255.17
1	8	-160.38	-116.44	-139.45	-2.13	-52.65	-72.84
1	9	302.71	-204.62	164.42	-0.09	279.27	278.69
1	10	-135.97	-132.74	-123.93	-2.14	-29.06	-49.31
1	11	278.32	-188.08	149.06	-0.08	255.74	255.26
1	12	-160.39	-116.67	-139.61	-2.14	-52.72	-72.93
1	13	302.72	-204.39	164.58	-0.09	279.33	278.78
1	14	-135.98	-132.98	-124.09	-2.14	-29.13	-49.41
1	15	278.31	-188.32	148.90	-0.09	255.68	255.17
1	16	-160.38	-116.44	-139.45	-2.14	-52.65	-72.84
1	17	302.71	-204.62	164.42	-0.09	279.27	278.69
1	18	-135.97	-132.74	-123.93	-2.14	-29.06	-49.31
1	19	278.32	-188.08	149.06	-0.08	255.74	255.26
1	20	-160.39	-116.67	-139.61	-2.14	-52.72	-72.93
1	21	302.72	-204.39	164.58	-0.09	279.33	278.78
1	22	-135.98	-132.98	-124.09	-2.14	-29.13	-49.41
1	23	1028.94	-684.44	625.94	-0.31	978.87	976.93
1	24	-433.34	-444.84	-335.22	-7.14	-48.89	-116.42
1	25	1036.26	-689.33	630.60	-0.31	985.95	983.99
1	26	-426.02	-449.74	-330.56	-7.15	-41.82	-109.37
1	27	1028.94	-684.44	625.94	-0.31	978.87	976.93
1	28	-433.34	-444.84	-335.22	-7.14	-48.89	-116.42
1	29	1036.26	-689.33	630.60	-0.31	985.95	983.99
1	30	-426.02	-449.74	-330.56	-7.15	-41.82	-109.37
1	31	1028.97	-683.66	626.48	-0.30	979.09	977.24
1	32	-433.38	-445.62	-335.75	-7.15	-49.11	-116.73
1	33	1036.29	-688.55	631.13	-0.31	986.17	984.30
1	34	-426.05	-450.52	-331.10	-7.15	-42.04	-109.67
1	35	1028.97	-683.66	626.48	-0.30	979.09	977.24
1	36	-433.38	-445.62	-335.75	-7.15	-49.11	-116.73
1	37	1036.29	-688.55	631.13	-0.31	986.17	984.30
1	38	-426.05	-450.52	-331.10	-7.15	-42.04	-109.67
1	39	12.59	-12.28	-19.93	-4.02e-03	-0.49	-0.44
1	40	11.74	-13.29	-20.58	-6.95e-03	-0.67	-0.84
1	41	12.58	-12.28	-19.93	-4.29e-03	-0.50	-0.44
1	42	11.73	-13.29	-20.58	-7.22e-03	-0.68	-0.84
1	43	12.59	-12.19	-19.87	-3.28e-03	-0.47	-0.40
1	44	11.73	-13.38	-20.64	-7.68e-03	-0.70	-0.87

1	45	12.58	-12.20	-19.87	-3.56e-03	-0.47	-0.40
1	46	11.73	-13.38	-20.64	-7.95e-03	-0.70	-0.87
1	47	12.59	-12.28	-19.93	-4.28e-03	-0.49	-0.44
1	48	11.74	-13.29	-20.58	-7.21e-03	-0.67	-0.84
1	49	12.58	-12.28	-19.93	-4.03e-03	-0.50	-0.44
1	50	11.73	-13.29	-20.58	-6.96e-03	-0.68	-0.84
1	51	12.59	-12.19	-19.87	-3.54e-03	-0.47	-0.40
1	52	11.73	-13.38	-20.64	-7.94e-03	-0.70	-0.87
1	53	12.58	-12.20	-19.87	-3.30e-03	-0.47	-0.40
1	54	11.73	-13.38	-20.64	-7.69e-03	-0.70	-0.87
1	55	13.57	-11.11	-19.17	-6.94e-04	-0.29	0.03
1	56	10.75	-14.46	-21.34	-0.01	-0.88	-1.31
1	57	13.57	-11.11	-19.17	-7.77e-04	-0.29	0.03
1	58	10.75	-14.46	-21.34	-0.01	-0.88	-1.31
1	59	13.57	-11.11	-19.17	-7.72e-04	-0.29	0.03
1	60	10.75	-14.46	-21.34	-0.01	-0.88	-1.31
1	61	13.57	-11.11	-19.17	-6.99e-04	-0.29	0.03
1	62	10.75	-14.46	-21.34	-0.01	-0.88	-1.31
1	63	13.59	-10.82	-18.97	1.74e-03	-0.20	0.14
1	64	10.73	-14.75	-21.54	-0.01	-0.97	-1.42
1	65	13.58	-10.82	-18.97	1.66e-03	-0.21	0.14
1	66	10.73	-14.75	-21.54	-0.01	-0.97	-1.42
1	67	13.59	-10.82	-18.97	1.67e-03	-0.20	0.14
1	68	10.73	-14.75	-21.54	-0.01	-0.97	-1.42
1	69	13.58	-10.82	-18.97	1.74e-03	-0.21	0.14
1	70	10.73	-14.75	-21.54	-0.01	-0.97	-1.42
1	71	12.16	-12.79	-20.26	-5.62e-03	-0.59	-0.64
1	72	12.16	-12.79	-20.26	-5.62e-03	-0.59	-0.64
1	73	12.16	-12.79	-20.26	-5.62e-03	-0.59	-0.64
1	74	12.16	-12.79	-20.26	-5.62e-03	-0.59	-0.64
1	75	12.16	-12.79	-20.26	-5.62e-03	-0.59	-0.64
1	76	12.16	-12.79	-20.26	-5.62e-03	-0.59	-0.64
4	1	2.34e-06	0.0	-43.19	-0.02	0.09	0.0
4	2	2.34e-06	0.0	-43.19	-0.02	0.09	0.0
4	3	1.80e-06	0.0	-33.22	-0.01	0.07	0.0
4	4	1.80e-06	0.0	-33.22	-0.01	0.07	0.0
4	5	1.80e-06	0.0	-33.22	-0.01	0.07	0.0
4	6	1.80e-06	0.0	-33.22	-0.01	0.07	0.0
4	7	257.83	-246.05	-33.22	-0.01	0.07	362.09
4	8	-101.55	24.46	-68.33	1.06	0.45	-65.71
4	9	281.42	-268.79	-33.22	-0.01	0.07	395.38
4	10	-77.96	1.72	-68.33	1.06	0.45	-32.42
4	11	257.85	-245.98	-33.22	-0.01	0.07	362.25
4	12	-101.57	24.38	-68.33	1.06	0.45	-65.87
4	13	281.44	-268.71	-33.22	-0.01	0.07	395.55
4	14	-77.98	1.65	-68.33	1.06	0.45	-32.58
4	15	257.83	-246.05	-33.22	-0.01	0.07	362.09
4	16	-101.55	24.46	-68.33	1.06	0.45	-65.71
4	17	281.42	-268.79	-33.22	-0.01	0.07	395.38
4	18	-77.96	1.72	-68.33	1.06	0.45	-32.42
4	19	257.85	-245.98	-33.22	-0.01	0.07	362.25
4	20	-101.57	24.38	-68.33	1.06	0.45	-65.87
4	21	281.44	-268.71	-33.22	-0.01	0.07	395.55
4	22	-77.98	1.65	-68.33	1.06	0.45	-32.58
4	23	984.76	-940.82	-33.22	-0.01	0.07	1383.73
4	24	-213.17	-39.11	-150.24	3.56	1.35	-42.29
4	25	991.83	-947.64	-33.22	-0.01	0.07	1393.72
4	26	-206.09	-45.93	-150.24	3.56	1.35	-32.30
4	27	984.76	-940.82	-33.22	-0.01	0.07	1383.73
4	28	-213.17	-39.11	-150.24	3.56	1.35	-42.29
4	29	991.83	-947.64	-33.22	-0.01	0.07	1393.72
4	30	-206.09	-45.93	-150.24	3.56	1.35	-32.30
4	31	984.83	-940.56	-33.22	-0.01	0.07	1384.27
4	32	-213.24	-39.37	-150.23	3.56	1.35	-42.82
4	33	991.91	-947.38	-33.22	-0.01	0.07	1394.26
4	34	-206.16	-46.19	-150.23	3.56	1.35	-32.84
4	35	984.83	-940.56	-33.22	-0.01	0.07	1384.27
4	36	-213.24	-39.37	-150.23	3.56	1.35	-42.82
4	37	991.91	-947.38	-33.22	-0.01	0.07	1394.26
4	38	-206.16	-46.19	-150.23	3.56	1.35	-32.84
4	39	0.60	0.18	-33.22	-0.01	0.07	0.29
4	40	-0.59	-0.17	-33.22	-0.01	0.07	-0.29
4	41	0.59	0.17	-33.22	-0.01	0.07	0.29
4	42	-0.60	-0.18	-33.22	-0.01	0.07	-0.29
4	43	0.60	0.21	-33.22	-0.01	0.07	0.35
4	44	-0.60	-0.20	-33.22	-0.01	0.07	-0.34
4	45	0.60	0.20	-33.22	-0.01	0.07	0.34

4	46	-0.60	-0.21	-33.22	-0.01	0.07	-0.35
4	47	0.60	0.18	-33.22	-0.01	0.07	0.29
4	48	-0.59	-0.17	-33.22	-0.01	0.07	-0.29
4	49	0.59	0.17	-33.22	-0.01	0.07	0.29
4	50	-0.60	-0.18	-33.22	-0.01	0.07	-0.29
4	51	0.60	0.21	-33.22	-0.01	0.07	0.35
4	52	-0.60	-0.20	-33.22	-0.01	0.07	-0.34
4	53	0.60	0.20	-33.22	-0.01	0.07	0.34
4	54	-0.60	-0.21	-33.22	-0.01	0.07	-0.35
4	55	1.97	0.59	-33.22	-0.01	0.07	0.96
4	56	-1.97	-0.59	-33.23	-0.01	0.07	-0.96
4	57	1.97	0.59	-33.22	-0.01	0.07	0.96
4	58	-1.97	-0.59	-33.23	-0.01	0.07	-0.96
4	59	1.97	0.59	-33.22	-0.01	0.07	0.96
4	60	-1.97	-0.59	-33.23	-0.01	0.07	-0.96
4	61	1.97	0.59	-33.22	-0.01	0.07	0.96
4	62	-1.97	-0.59	-33.23	-0.01	0.07	-0.96
4	63	2.00	0.69	-33.22	-0.01	0.07	1.16
4	64	-2.00	-0.68	-33.22	-0.01	0.07	-1.16
4	65	2.00	0.68	-33.22	-0.01	0.07	1.16
4	66	-2.00	-0.69	-33.22	-0.01	0.07	-1.16
4	67	2.00	0.69	-33.22	-0.01	0.07	1.16
4	68	-2.00	-0.68	-33.22	-0.01	0.07	-1.16
4	69	2.00	0.68	-33.22	-0.01	0.07	1.16
4	70	-2.00	-0.69	-33.22	-0.01	0.07	-1.16
4	71	1.80e-06	0.0	-33.22	-0.01	0.07	0.0
4	72	1.80e-06	0.0	-33.22	-0.01	0.07	0.0
4	73	1.80e-06	0.0	-33.22	-0.01	0.07	0.0
4	74	1.80e-06	0.0	-33.22	-0.01	0.07	0.0
4	75	1.80e-06	0.0	-33.22	-0.01	0.07	0.0
4	76	1.80e-06	0.0	-33.22	-0.01	0.07	0.0
6	1	-15.81	16.62	-26.33	-7.30e-03	-0.76	0.83
6	2	-15.81	16.62	-26.33	-7.30e-03	-0.76	0.83
6	3	-12.16	12.79	-20.26	-5.62e-03	-0.59	0.64
6	4	-12.16	12.79	-20.26	-5.62e-03	-0.59	0.64
6	5	-12.16	12.79	-20.26	-5.62e-03	-0.59	0.64
6	6	-12.16	12.79	-20.26	-5.62e-03	-0.59	0.64
6	7	253.99	-162.75	-189.41	0.07	-256.85	256.45
6	8	-54.33	39.58	9.13	0.02	39.48	-39.33
6	9	278.39	-179.05	-204.93	0.08	-280.44	279.97
6	10	-29.93	23.27	-6.39	0.02	15.89	-15.81
6	11	254.00	-162.51	-189.57	0.07	-256.91	256.54
6	12	-54.34	39.34	9.29	0.02	39.54	-39.42
6	13	278.40	-178.82	-205.09	0.08	-280.50	280.06
6	14	-29.94	23.04	-6.23	0.03	15.95	-15.90
6	15	253.99	-162.75	-189.41	0.07	-256.85	256.45
6	16	-54.34	39.58	9.13	0.02	39.48	-39.33
6	17	278.40	-179.05	-204.93	0.08	-280.44	279.97
6	18	-29.93	23.27	-6.39	0.02	15.89	-15.81
6	19	254.00	-162.51	-189.57	0.07	-256.91	256.54
6	20	-54.34	39.34	9.29	0.02	39.54	-39.42
6	21	278.40	-178.82	-205.09	0.08	-280.50	280.06
6	22	-29.94	23.04	-6.23	0.03	15.95	-15.90
6	23	1004.62	-658.87	-666.45	0.30	-980.04	978.21
6	24	-23.12	15.55	-4.66	0.11	7.71	-7.70
6	25	1011.95	-663.76	-671.11	0.30	-987.12	985.27
6	26	-15.80	10.66	-9.31	0.11	0.63	-0.65
6	27	1004.62	-658.87	-666.45	0.30	-980.04	978.21
6	28	-23.12	15.55	-4.66	0.11	7.71	-7.70
6	29	1011.95	-663.76	-671.11	0.30	-987.12	985.27
6	30	-15.80	10.66	-9.31	0.11	0.63	-0.65
6	31	1004.65	-658.09	-666.99	0.29	-980.26	978.51
6	32	-23.15	14.77	-4.12	0.12	7.93	-8.01
6	33	1011.97	-662.98	-671.65	0.29	-987.34	985.57
6	34	-15.83	9.88	-8.77	0.12	0.85	-0.95
6	35	1004.65	-658.09	-666.99	0.29	-980.26	978.51
6	36	-23.15	14.77	-4.12	0.12	7.93	-8.01
6	37	1011.97	-662.98	-671.65	0.29	-987.34	985.57
6	38	-15.83	9.88	-8.77	0.12	0.85	-0.95
6	39	-11.73	13.29	-20.58	-7.23e-03	-0.68	0.84
6	40	-12.58	12.28	-19.93	-4.27e-03	-0.50	0.44
6	41	-11.74	13.29	-20.58	-6.97e-03	-0.67	0.84
6	42	-12.59	12.28	-19.93	-4.01e-03	-0.49	0.44
6	43	-11.73	13.38	-20.64	-7.95e-03	-0.70	0.87
6	44	-12.58	12.20	-19.87	-3.55e-03	-0.47	0.40
6	45	-11.73	13.38	-20.64	-7.69e-03	-0.70	0.87
6	46	-12.59	12.19	-19.87	-3.29e-03	-0.47	0.40

6	47	-11.73	13.29	-20.58	-6.97e-03	-0.68	0.84
6	48	-12.58	12.28	-19.93	-4.01e-03	-0.50	0.44
6	49	-11.74	13.29	-20.58	-7.23e-03	-0.67	0.84
6	50	-12.59	12.28	-19.93	-4.27e-03	-0.49	0.44
6	51	-11.73	13.38	-20.64	-7.68e-03	-0.70	0.87
6	52	-12.58	12.20	-19.87	-3.29e-03	-0.47	0.40
6	53	-11.73	13.38	-20.64	-7.95e-03	-0.70	0.87
6	54	-12.59	12.19	-19.87	-3.55e-03	-0.47	0.40
6	55	-10.74	14.46	-21.34	-0.01	-0.88	1.31
6	56	-13.57	11.11	-19.17	-7.23e-04	-0.29	-0.03
6	57	-10.74	14.46	-21.34	-0.01	-0.88	1.31
6	58	-13.58	11.11	-19.17	-6.44e-04	-0.29	-0.03
6	59	-10.74	14.46	-21.34	-0.01	-0.88	1.31
6	60	-13.57	11.11	-19.17	-6.44e-04	-0.29	-0.03
6	61	-10.74	14.46	-21.34	-0.01	-0.88	1.31
6	62	-13.58	11.11	-19.17	-7.23e-04	-0.29	-0.03
6	63	-10.73	14.75	-21.54	-0.01	-0.97	1.42
6	64	-13.58	10.82	-18.97	1.67e-03	-0.21	-0.14
6	65	-10.73	14.75	-21.54	-0.01	-0.97	1.42
6	66	-13.59	10.82	-18.97	1.74e-03	-0.21	-0.14
6	67	-10.73	14.75	-21.54	-0.01	-0.97	1.42
6	68	-13.58	10.82	-18.97	1.75e-03	-0.21	-0.14
6	69	-10.73	14.75	-21.54	-0.01	-0.97	1.42
6	70	-13.59	10.82	-18.97	1.67e-03	-0.21	-0.14
6	71	-12.16	12.79	-20.26	-5.62e-03	-0.59	0.64
6	72	-12.16	12.79	-20.26	-5.62e-03	-0.59	0.64
6	73	-12.16	12.79	-20.26	-5.62e-03	-0.59	0.64
6	74	-12.16	12.79	-20.26	-5.62e-03	-0.59	0.64
6	75	-12.16	12.79	-20.26	-5.62e-03	-0.59	0.64
6	76	-12.16	12.79	-20.26	-5.62e-03	-0.59	0.64
8	1	-21.47	0.0	-9.48	0.0	-1.69	0.0
8	2	-21.47	0.0	-9.48	0.0	-1.69	0.0
8	3	-16.52	0.0	-7.29	0.0	-1.30	0.0
8	4	-16.52	0.0	-7.29	0.0	-1.30	0.0
8	5	-16.52	0.0	-7.29	0.0	-1.30	0.0
8	6	-16.52	0.0	-7.29	0.0	-1.30	0.0
8	7	256.57	2.23	-249.08	-6.72e-03	-362.97	0.30
8	8	-60.80	-2.25	31.69	5.69e-03	57.27	-0.30
8	9	281.74	2.25	-271.37	-5.69e-03	-396.30	0.30
8	10	-35.63	-2.23	9.40	6.72e-03	23.93	-0.30
8	11	256.57	2.62	-249.08	-9.02e-03	-362.97	0.32
8	12	-60.80	-2.63	31.69	7.99e-03	57.27	-0.33
8	13	281.74	2.63	-271.37	-7.99e-03	-396.31	0.33
8	14	-35.63	-2.62	9.40	9.02e-03	23.94	-0.32
8	15	256.57	2.24	-249.08	-5.73e-03	-362.97	0.30
8	16	-60.80	-2.23	31.69	6.68e-03	57.27	-0.30
8	17	281.74	2.23	-271.37	-6.68e-03	-396.30	0.30
8	18	-35.63	-2.24	9.40	5.73e-03	23.93	-0.30
8	19	256.57	2.63	-249.08	-8.02e-03	-362.97	0.33
8	20	-60.80	-2.62	31.69	8.98e-03	57.27	-0.32
8	21	281.74	2.62	-271.37	-8.98e-03	-396.31	0.32
8	22	-35.63	-2.63	9.40	8.02e-03	23.94	-0.33
8	23	1027.39	7.46	-931.55	-0.02	-1383.82	1.00
8	24	-30.52	-7.47	4.36	0.02	16.97	-1.01
8	25	1034.94	7.47	-938.23	-0.02	-1393.82	1.01
8	26	-22.97	-7.46	-2.33	0.02	6.97	-1.00
8	27	1027.39	7.47	-931.55	-0.02	-1383.82	1.01
8	28	-30.52	-7.46	4.36	0.02	16.97	-1.00
8	29	1034.94	7.46	-938.23	-0.02	-1393.82	1.00
8	30	-22.97	-7.47	-2.33	0.02	6.97	-1.01
8	31	1027.39	8.76	-931.55	-0.03	-1383.83	1.09
8	32	-30.52	-8.76	4.36	0.03	16.98	-1.09
8	33	1034.94	8.76	-938.23	-0.03	-1393.83	1.09
8	34	-22.97	-8.76	-2.33	0.03	6.98	-1.09
8	35	1027.39	8.76	-931.55	-0.03	-1383.83	1.09
8	36	-30.52	-8.76	4.36	0.03	16.98	-1.09
8	37	1034.94	8.76	-938.23	-0.03	-1393.83	1.09
8	38	-22.97	-8.76	-2.33	0.03	6.98	-1.09
8	39	-16.52	0.83	-7.29	-2.49e-03	-1.30	0.11
8	40	-16.52	-0.83	-7.29	2.11e-03	-1.30	-0.11
8	41	-16.52	0.83	-7.29	-2.11e-03	-1.30	0.11
8	42	-16.52	-0.83	-7.29	2.49e-03	-1.30	-0.11
8	43	-16.52	0.97	-7.29	-3.34e-03	-1.30	0.12
8	44	-16.52	-0.98	-7.29	2.96e-03	-1.30	-0.12
8	45	-16.52	0.98	-7.29	-2.96e-03	-1.30	0.12
8	46	-16.52	-0.97	-7.29	3.34e-03	-1.30	-0.12
8	47	-16.52	0.83	-7.29	-2.12e-03	-1.30	0.11

8	48	-16.52	-0.83	-7.29	2.48e-03	-1.30	-0.11
8	49	-16.52	0.83	-7.29	-2.48e-03	-1.30	0.11
8	50	-16.52	-0.83	-7.29	2.12e-03	-1.30	-0.11
8	51	-16.52	0.98	-7.29	-2.98e-03	-1.30	0.12
8	52	-16.52	-0.97	-7.29	3.33e-03	-1.30	-0.12
8	53	-16.52	0.97	-7.29	-3.33e-03	-1.30	0.12
8	54	-16.52	-0.98	-7.29	2.98e-03	-1.30	-0.12
8	55	-16.52	2.77	-7.30	-7.73e-03	-1.30	0.37
8	56	-16.52	-2.77	-7.29	7.61e-03	-1.30	-0.37
8	57	-16.52	2.77	-7.30	-7.61e-03	-1.30	0.37
8	58	-16.52	-2.77	-7.29	7.73e-03	-1.30	-0.37
8	59	-16.52	2.77	-7.30	-7.62e-03	-1.30	0.37
8	60	-16.52	-2.77	-7.29	7.72e-03	-1.30	-0.37
8	61	-16.52	2.77	-7.30	-7.72e-03	-1.30	0.37
8	62	-16.52	-2.77	-7.29	7.62e-03	-1.30	-0.37
8	63	-16.52	3.25	-7.29	-0.01	-1.30	0.40
8	64	-16.52	-3.25	-7.29	0.01	-1.30	-0.40
8	65	-16.52	3.25	-7.29	-0.01	-1.30	0.40
8	66	-16.52	-3.25	-7.29	0.01	-1.30	-0.40
8	67	-16.52	3.25	-7.29	-0.01	-1.30	0.40
8	68	-16.52	-3.25	-7.29	0.01	-1.30	-0.40
8	69	-16.52	3.25	-7.29	-0.01	-1.30	0.40
8	70	-16.52	-3.25	-7.29	0.01	-1.30	-0.40
8	71	-16.52	0.0	-7.29	0.0	-1.30	0.0
8	72	-16.52	0.0	-7.29	0.0	-1.30	0.0
8	73	-16.52	0.0	-7.29	0.0	-1.30	0.0
8	74	-16.52	0.0	-7.29	0.0	-1.30	0.0
8	75	-16.52	0.0	-7.29	0.0	-1.30	0.0
8	76	-16.52	0.0	-7.29	0.0	-1.30	0.0
10	1	-15.81	-16.62	-26.33	7.30e-03	-0.76	-0.83
10	2	-15.81	-16.62	-26.33	7.30e-03	-0.76	-0.83
10	3	-12.16	-12.79	-20.26	5.62e-03	-0.59	-0.64
10	4	-12.16	-12.79	-20.26	5.62e-03	-0.59	-0.64
10	5	-12.16	-12.79	-20.26	5.62e-03	-0.59	-0.64
10	6	-12.16	-12.79	-20.26	5.62e-03	-0.59	-0.64
10	7	251.70	165.46	-187.66	-0.08	-255.37	-255.36
10	8	-52.04	-42.29	7.38	-8.88e-03	38.99	38.25
10	9	276.10	181.77	-203.18	-0.09	-279.96	-278.89
10	10	-27.64	-25.99	-8.15	-0.02	15.40	14.72
10	11	251.69	165.70	-187.50	-0.08	-256.30	-255.27
10	12	-52.04	-42.53	7.22	-7.03e-03	38.93	38.16
10	13	276.10	182.00	-203.02	-0.09	-279.89	-278.79
10	14	-27.63	-26.22	-8.31	-0.01	15.34	14.63
10	15	251.70	165.46	-187.66	-0.08	-256.37	-255.36
10	16	-52.04	-42.29	7.38	-8.18e-03	38.99	38.25
10	17	276.10	181.77	-203.18	-0.09	-279.96	-278.89
10	18	-27.64	-25.99	-8.15	-0.02	15.40	14.72
10	19	251.69	165.70	-187.50	-0.08	-256.30	-255.27
10	20	-52.04	-42.53	7.22	-6.32e-03	38.93	38.16
10	21	276.10	182.00	-203.02	-0.09	-279.89	-278.79
10	22	-27.63	-26.22	-8.31	-0.01	15.34	14.63
10	23	996.98	667.92	-660.61	-0.33	-978.43	-974.60
10	24	-15.48	-24.60	-10.50	-0.08	6.10	4.09
10	25	1004.31	672.81	-665.27	-0.33	-985.51	-981.66
10	26	-8.16	-19.71	-15.16	-0.08	-0.98	-2.96
10	27	996.98	667.92	-660.61	-0.33	-978.43	-974.60
10	28	-15.48	-24.60	-10.50	-0.08	6.10	4.09
10	29	1004.31	672.81	-665.26	-0.33	-985.51	-981.66
10	30	-8.16	-19.71	-15.16	-0.08	-0.98	-2.96
10	31	996.96	668.69	-660.07	-0.33	-978.21	-974.30
10	32	-15.46	-25.38	-11.03	-0.08	5.88	3.79
10	33	1004.28	673.59	-664.73	-0.33	-985.29	-981.36
10	34	-8.14	-20.49	-15.69	-0.08	-1.20	-3.27
10	35	996.96	668.69	-660.07	-0.33	-978.21	-974.30
10	36	-15.46	-25.38	-11.03	-0.08	5.88	3.79
10	37	1004.28	673.59	-664.73	-0.33	-985.29	-981.36
10	38	-8.14	-20.49	-15.69	-0.08	-1.20	-3.27
10	39	-12.58	-12.28	-19.93	3.96e-03	-0.50	-0.44
10	40	-11.73	-13.29	-20.58	7.00e-03	-0.68	-0.84
10	41	-12.59	-12.28	-19.93	4.24e-03	-0.49	-0.44
10	42	-11.74	-13.29	-20.58	7.28e-03	-0.67	-0.84
10	43	-12.58	-12.20	-19.87	3.27e-03	-0.47	-0.40
10	44	-11.73	-13.38	-20.64	7.69e-03	-0.70	-0.87
10	45	-12.59	-12.19	-19.87	3.55e-03	-0.47	-0.40
10	46	-11.73	-13.38	-20.64	7.97e-03	-0.70	-0.87
10	47	-12.58	-12.28	-19.93	4.22e-03	-0.50	-0.44
10	48	-11.73	-13.29	-20.58	7.26e-03	-0.68	-0.84

10	49	-12.59	-12.28	-19.93	3.98e-03	-0.49	-0.44
10	50	-11.74	-13.29	-20.58	7.02e-03	-0.67	-0.84
10	51	-12.58	-12.20	-19.87	3.53e-03	-0.47	-0.40
10	52	-11.73	-13.38	-20.64	7.95e-03	-0.70	-0.87
10	53	-12.59	-12.19	-19.87	3.29e-03	-0.47	-0.40
10	54	-11.73	-13.38	-20.64	7.71e-03	-0.70	-0.87
10	55	-13.58	-11.11	-19.17	4.99e-04	-0.29	0.03
10	56	-10.74	-14.46	-21.34	0.01	-0.88	-1.31
10	57	-13.58	-11.11	-19.17	5.83e-04	-0.29	0.03
10	58	-10.74	-14.46	-21.34	0.01	-0.88	-1.31
10	59	-13.58	-11.11	-19.17	5.77e-04	-0.29	0.03
10	60	-10.74	-14.46	-21.34	0.01	-0.88	-1.31
10	61	-13.58	-11.11	-19.17	5.05e-04	-0.29	0.03
10	62	-10.74	-14.46	-21.34	0.01	-0.88	-1.31
10	63	-13.58	-10.82	-18.97	-1.79e-03	-0.21	0.14
10	64	-10.73	-14.75	-21.54	0.01	-0.97	-1.42
10	65	-13.59	-10.82	-18.97	-1.71e-03	-0.20	0.14
10	66	-10.73	-14.75	-21.54	0.01	-0.97	-1.42
10	67	-13.58	-10.82	-18.97	-1.72e-03	-0.21	0.14
10	68	-10.73	-14.75	-21.54	0.01	-0.97	-1.42
10	69	-13.59	-10.82	-18.97	-1.79e-03	-0.20	0.14
10	70	-10.73	-14.75	-21.54	0.01	-0.97	-1.42
10	71	-12.16	-12.79	-20.26	5.62e-03	-0.59	-0.64
10	72	-12.16	-12.79	-20.26	5.62e-03	-0.59	-0.64
10	73	-12.16	-12.79	-20.26	5.62e-03	-0.59	-0.64
10	74	-12.16	-12.79	-20.26	5.62e-03	-0.59	-0.64
10	75	-12.16	-12.79	-20.26	5.62e-03	-0.59	-0.64
10	76	-12.16	-12.79	-20.26	5.62e-03	-0.59	-0.64
12	1	2.34e-06	0.0	-43.19	0.02	0.09	0.0
12	2	2.34e-06	0.0	-43.19	0.02	0.09	0.0
12	3	1.80e-06	0.0	-33.22	0.01	0.07	0.0
12	4	1.80e-06	0.0	-33.22	0.01	0.07	0.0
12	5	1.80e-06	0.0	-33.22	0.01	0.07	0.0
12	6	1.80e-06	0.0	-33.22	0.01	0.07	0.0
12	7	254.64	247.01	-33.23	0.01	0.07	-360.54
12	8	-98.36	-25.41	-68.32	-1.06	0.45	64.16
12	9	278.23	269.74	-33.23	0.01	0.07	-393.83
12	10	-74.77	-2.68	-68.33	-1.06	0.45	30.87
12	11	254.62	247.08	-33.22	0.01	0.07	-360.38
12	12	-98.33	-25.49	-68.33	-1.06	0.45	64.00
12	13	278.21	269.82	-33.22	0.01	0.07	-393.67
12	14	-74.74	-2.75	-68.33	-1.06	0.45	30.71
12	15	254.64	247.01	-33.23	0.01	0.07	-360.54
12	16	-98.36	-25.41	-68.33	-1.06	0.45	64.16
12	17	278.23	269.74	-33.23	0.01	0.07	-393.83
12	18	-74.77	-2.68	-68.32	-1.06	0.45	30.87
12	19	254.62	247.08	-33.22	0.01	0.07	-360.38
12	20	-98.33	-25.49	-68.33	-1.06	0.45	64.00
12	21	278.21	269.82	-33.22	0.01	0.07	-393.67
12	22	-74.74	-2.75	-68.33	-1.06	0.45	30.71
12	23	974.12	943.99	-33.23	0.01	0.07	-1378.56
12	24	-202.53	35.93	-150.23	-3.56	1.35	37.11
12	25	981.20	950.81	-33.23	0.01	0.07	-1388.54
12	26	-195.46	42.76	-150.23	-3.56	1.35	27.12
12	27	974.12	943.99	-33.23	0.01	0.07	-1378.56
12	28	-202.53	35.93	-150.23	-3.56	1.35	37.11
12	29	981.20	950.81	-33.23	0.01	0.07	-1388.54
12	30	-195.46	42.75	-150.23	-3.56	1.35	27.12
12	31	974.05	944.25	-33.23	0.01	0.07	-1378.03
12	32	-202.46	35.68	-150.23	-3.56	1.35	36.58
12	33	981.13	951.07	-33.23	0.01	0.07	-1388.02
12	34	-195.38	42.50	-150.23	-3.56	1.35	26.59
12	35	974.05	944.25	-33.23	0.01	0.07	-1378.03
12	36	-202.46	35.68	-150.23	-3.56	1.35	36.58
12	37	981.13	951.07	-33.23	0.01	0.07	-1388.02
12	38	-195.38	42.50	-150.23	-3.56	1.35	26.59
12	39	-0.59	0.17	-33.22	0.01	0.07	0.29
12	40	0.60	-0.18	-33.22	0.01	0.07	-0.29
12	41	-0.60	0.18	-33.22	0.01	0.07	0.29
12	42	0.59	-0.17	-33.22	0.01	0.07	-0.29
12	43	-0.60	0.20	-33.22	0.01	0.07	0.35
12	44	0.60	-0.21	-33.22	0.01	0.07	-0.35
12	45	-0.60	0.21	-33.22	0.01	0.07	0.35
12	46	0.60	-0.20	-33.22	0.01	0.07	-0.35
12	47	-0.59	0.17	-33.22	0.01	0.07	0.29
12	48	0.60	-0.18	-33.22	0.01	0.07	-0.29
12	49	-0.60	0.18	-33.22	0.01	0.07	0.29

12	50	0.59	-0.17	-33.22	0.01	0.07	-0.29
12	51	-0.60	0.20	-33.22	0.01	0.07	0.35
12	52	0.60	-0.21	-33.22	0.01	0.07	-0.35
12	53	-0.60	0.21	-33.22	0.01	0.07	0.35
12	54	0.60	-0.20	-33.22	0.01	0.07	-0.35
12	55	-1.97	0.59	-33.23	0.01	0.07	0.96
12	56	1.97	-0.59	-33.22	0.01	0.07	-0.96
12	57	-1.97	0.59	-33.23	0.01	0.07	0.96
12	58	1.97	-0.59	-33.22	0.01	0.07	-0.96
12	59	-1.97	0.59	-33.23	0.01	0.07	0.96
12	60	1.97	-0.59	-33.22	0.01	0.07	-0.96
12	61	-1.97	0.59	-33.23	0.01	0.07	0.96
12	62	1.97	-0.59	-33.22	0.01	0.07	-0.96
12	63	-2.00	0.68	-33.22	0.01	0.07	1.16
12	64	2.00	-0.69	-33.22	0.01	0.07	-1.16
12	65	-2.00	0.69	-33.22	0.01	0.07	1.16
12	66	2.00	-0.68	-33.22	0.01	0.07	-1.16
12	67	-2.00	0.68	-33.22	0.01	0.07	1.16
12	68	2.00	-0.69	-33.22	0.01	0.07	-1.16
12	69	-2.00	0.69	-33.22	0.01	0.07	1.16
12	70	2.00	-0.68	-33.22	0.01	0.07	-1.16
12	71	1.80e-06	0.0	-33.22	0.01	0.07	0.0
12	72	1.80e-06	0.0	-33.22	0.01	0.07	0.0
12	73	1.80e-06	0.0	-33.22	0.01	0.07	0.0
12	74	1.80e-06	0.0	-33.22	0.01	0.07	0.0
12	75	1.80e-06	0.0	-33.22	0.01	0.07	0.0
12	76	1.80e-06	0.0	-33.22	0.01	0.07	0.0
14	1	15.81	16.62	-26.33	7.30e-03	-0.76	0.83
14	2	15.81	16.62	-26.33	7.30e-03	-0.76	0.83
14	3	12.16	12.79	-20.26	5.62e-03	-0.59	0.64
14	4	12.16	12.79	-20.26	5.62e-03	-0.59	0.64
14	5	12.16	12.79	-20.26	5.62e-03	-0.59	0.64
14	6	12.16	12.79	-20.26	5.62e-03	-0.59	0.64
14	7	276.02	191.03	147.14	0.09	255.19	-254.08
14	8	-158.09	113.72	-137.69	2.13	-52.17	71.75
14	9	300.42	207.34	162.67	0.10	278.78	-277.61
14	10	-133.68	130.03	-122.17	2.13	-28.58	48.23
14	11	276.01	191.27	146.98	0.09	255.13	-254.00
14	12	-158.08	113.49	-137.54	2.13	-52.10	71.66
14	13	300.41	207.57	162.51	0.10	278.72	-277.52
14	14	-133.67	129.80	-122.01	2.13	-28.51	48.14
14	15	276.01	191.03	147.14	0.09	255.19	-254.08
14	16	-158.09	113.72	-137.69	2.13	-52.17	71.75
14	17	300.42	207.34	162.66	0.10	278.78	-277.61
14	18	-133.68	130.03	-122.17	2.13	-28.58	48.23
14	19	276.01	191.27	146.98	0.09	255.13	-254.00
14	20	-158.08	113.49	-137.53	2.12	-52.10	71.66
14	21	300.42	207.57	162.50	0.10	278.72	-277.52
14	22	-133.67	129.80	-122.01	2.13	-28.51	48.14
14	23	1021.30	693.49	620.09	0.34	977.25	-973.32
14	24	-425.71	435.79	-329.37	7.12	-47.28	112.81
14	25	1028.62	698.38	624.75	0.34	984.33	-980.38
14	26	-418.39	440.68	-324.71	7.12	-40.20	105.75
14	27	1021.30	693.49	620.09	0.34	977.25	-973.32
14	28	-425.71	435.79	-329.37	7.12	-47.28	112.81
14	29	1028.63	698.38	624.75	0.34	984.33	-980.38
14	30	-418.39	440.68	-324.71	7.12	-40.20	105.75
14	31	1021.28	694.26	619.56	0.34	977.04	-973.02
14	32	-425.68	435.02	-328.83	7.11	-47.06	112.51
14	33	1028.60	699.16	624.22	0.35	984.12	-980.08
14	34	-418.36	439.91	-324.18	7.11	-39.99	105.45
14	35	1021.28	694.26	619.56	0.34	977.04	-973.02
14	36	-425.68	435.02	-328.83	7.11	-47.06	112.51
14	37	1028.60	699.16	624.22	0.35	984.12	-980.08
14	38	-418.36	439.91	-324.18	7.11	-39.98	105.45
14	39	11.74	13.29	-20.58	7.28e-03	-0.67	0.84
14	40	12.59	12.28	-19.93	4.22e-03	-0.49	0.44
14	41	11.73	13.29	-20.58	7.02e-03	-0.68	0.84
14	42	12.58	12.28	-19.93	3.95e-03	-0.50	0.44
14	43	11.73	13.38	-20.64	7.96e-03	-0.70	0.87
14	44	12.59	12.19	-19.87	3.54e-03	-0.47	0.40
14	45	11.73	13.38	-20.64	7.70e-03	-0.70	0.87
14	46	12.58	12.20	-19.87	3.28e-03	-0.47	0.40
14	47	11.74	13.29	-20.58	7.02e-03	-0.67	0.84
14	48	12.59	12.28	-19.93	3.95e-03	-0.49	0.44
14	49	11.73	13.29	-20.58	7.28e-03	-0.68	0.84
14	50	12.58	12.28	-19.93	4.22e-03	-0.50	0.44

14	51	11.73	13.38	-20.64	7.70e-03	-0.70	0.87
14	52	12.59	12.19	-19.87	3.28e-03	-0.47	0.40
14	53	11.73	13.38	-20.64	7.96e-03	-0.70	0.87
14	54	12.58	12.20	-19.87	3.54e-03	-0.47	0.40
14	55	10.74	14.47	-21.34	0.01	-0.89	1.31
14	56	13.58	11.10	-19.17	5.47e-04	-0.28	-0.03
14	57	10.74	14.47	-21.34	0.01	-0.89	1.31
14	58	13.58	11.10	-19.17	4.67e-04	-0.28	-0.03
14	59	10.74	14.47	-21.34	0.01	-0.89	1.31
14	60	13.58	11.10	-19.17	4.68e-04	-0.28	-0.03
14	61	10.74	14.47	-21.34	0.01	-0.89	1.31
14	62	13.58	11.10	-19.17	5.46e-04	-0.28	-0.03
14	63	10.73	14.75	-21.54	0.01	-0.97	1.42
14	64	13.59	10.82	-18.97	-1.71e-03	-0.20	-0.14
14	65	10.73	14.75	-21.54	0.01	-0.97	1.42
14	66	13.59	10.82	-18.97	-1.79e-03	-0.21	-0.14
14	67	10.73	14.75	-21.54	0.01	-0.97	1.42
14	68	13.59	10.82	-18.97	-1.79e-03	-0.20	-0.14
14	69	10.73	14.75	-21.54	0.01	-0.97	1.42
14	70	13.59	10.82	-18.97	-1.71e-03	-0.21	-0.14
14	71	12.16	12.79	-20.26	5.62e-03	-0.59	0.64
14	72	12.16	12.79	-20.26	5.62e-03	-0.59	0.64
14	73	12.16	12.79	-20.26	5.62e-03	-0.59	0.64
14	74	12.16	12.79	-20.26	5.62e-03	-0.59	0.64
14	75	12.16	12.79	-20.26	5.62e-03	-0.59	0.64
14	76	12.16	12.79	-20.26	5.62e-03	-0.59	0.64
16	1	21.47	0.0	-9.48	0.0	-1.69	0.0
16	2	21.47	0.0	-9.48	0.0	-1.69	0.0
16	3	16.52	0.0	-7.29	0.0	-1.30	0.0
16	4	16.52	0.0	-7.29	0.0	-1.30	0.0
16	5	16.52	0.0	-7.29	0.0	-1.30	0.0
16	6	16.52	0.0	-7.29	0.0	-1.30	0.0
16	7	289.61	2.23	234.49	6.70e-03	360.37	0.30
16	8	291.12	-2.25	-179.94	-5.67e-03	-64.38	-0.30
16	9	314.78	2.25	256.78	5.67e-03	393.70	0.30
16	10	316.29	-2.23	-157.66	-6.70e-03	-31.05	-0.30
16	11	289.61	2.62	234.49	9.01e-03	360.37	0.32
16	12	291.13	-2.63	-179.94	-7.98e-03	-64.38	-0.33
16	13	314.78	2.63	256.78	7.98e-03	393.71	0.33
16	14	316.29	-2.62	-157.66	-9.01e-03	-31.05	-0.32
16	15	289.61	2.24	234.49	5.71e-03	360.37	0.30
16	16	291.12	-2.23	-179.94	-6.66e-03	-64.38	-0.30
16	17	314.78	2.23	256.78	6.66e-03	393.70	0.30
16	18	316.29	-2.24	-157.66	-5.71e-03	-31.05	-0.30
16	19	289.61	2.63	234.49	8.01e-03	360.37	0.33
16	20	291.13	-2.62	-179.94	-8.97e-03	-64.38	-0.32
16	21	314.78	2.62	256.78	8.97e-03	393.71	0.32
16	22	316.29	-2.63	-157.66	-8.01e-03	-31.05	-0.33
16	23	1060.43	7.46	916.96	0.02	1381.22	1.01
16	24	1065.48	-7.47	-464.50	-0.02	-34.63	-1.01
16	25	1067.98	7.47	923.65	0.02	1391.22	1.01
16	26	1073.03	-7.46	-457.81	-0.02	-24.63	-1.01
16	27	1060.43	7.47	916.96	0.02	1381.22	1.01
16	28	1065.48	-7.46	-464.50	-0.02	-34.63	-1.01
16	29	1067.98	7.46	923.65	0.02	1391.22	1.01
16	30	1073.03	-7.47	-457.81	-0.02	-24.63	-1.01
16	31	1060.42	8.76	916.96	0.03	1381.22	1.09
16	32	1065.49	-8.76	-464.50	-0.03	-34.63	-1.09
16	33	1067.97	8.76	923.64	0.03	1391.22	1.09
16	34	1073.04	-8.76	-457.81	-0.03	-24.63	-1.09
16	35	1060.42	8.76	916.96	0.03	1381.22	1.09
16	36	1065.49	-8.76	-464.50	-0.03	-34.63	-1.09
16	37	1067.97	8.76	923.64	0.03	1391.22	1.09
16	38	1073.04	-8.76	-457.81	-0.03	-24.63	-1.09
16	39	16.52	0.83	-7.29	2.48e-03	-1.30	0.11
16	40	16.52	-0.83	-7.29	-2.10e-03	-1.30	-0.11
16	41	16.52	0.83	-7.29	2.10e-03	-1.30	0.11
16	42	16.52	-0.83	-7.29	-2.48e-03	-1.30	-0.11
16	43	16.52	0.97	-7.29	3.34e-03	-1.30	0.12
16	44	16.52	-0.98	-7.29	-2.96e-03	-1.30	-0.12
16	45	16.52	0.98	-7.29	2.96e-03	-1.30	0.12
16	46	16.52	-0.97	-7.29	-3.34e-03	-1.30	-0.12
16	47	16.52	0.83	-7.29	2.12e-03	-1.30	0.11
16	48	16.52	-0.83	-7.29	-2.47e-03	-1.30	-0.11
16	49	16.52	0.83	-7.29	2.47e-03	-1.30	0.11
16	50	16.52	-0.83	-7.29	-2.12e-03	-1.30	-0.11
16	51	16.52	0.98	-7.29	2.97e-03	-1.30	0.12

16	52	16.52	-0.97	-7.29	-3.33e-03	-1.30	-0.12
16	53	16.52	0.97	-7.29	3.33e-03	-1.30	0.12
16	54	16.52	-0.98	-7.29	-2.97e-03	-1.30	-0.12
16	55	16.52	2.77	-7.29	7.70e-03	-1.30	0.37
16	56	16.51	-2.77	-7.30	-7.59e-03	-1.30	-0.37
16	57	16.52	2.77	-7.29	7.59e-03	-1.30	0.37
16	58	16.51	-2.77	-7.30	-7.70e-03	-1.30	-0.37
16	59	16.52	2.77	-7.29	7.59e-03	-1.30	0.37
16	60	16.51	-2.77	-7.30	-7.70e-03	-1.30	-0.37
16	61	16.52	2.77	-7.29	7.70e-03	-1.30	0.37
16	62	16.51	-2.77	-7.30	-7.59e-03	-1.30	-0.37
16	63	16.52	3.25	-7.29	0.01	-1.30	0.40
16	64	16.52	-3.25	-7.29	-0.01	-1.30	-0.40
16	65	16.52	3.25	-7.29	0.01	-1.30	0.40
16	66	16.52	-3.25	-7.29	-0.01	-1.30	-0.40
16	67	16.52	3.25	-7.29	0.01	-1.30	0.40
16	68	16.52	-3.25	-7.29	-0.01	-1.30	-0.40
16	69	16.52	3.25	-7.29	0.01	-1.30	0.40
16	70	16.52	-3.25	-7.29	-0.01	-1.30	-0.40
16	71	16.52	0.0	-7.29	0.0	-1.30	0.0
16	72	16.52	0.0	-7.29	0.0	-1.30	0.0
16	73	16.52	0.0	-7.29	0.0	-1.30	0.0
16	74	16.52	0.0	-7.29	0.0	-1.30	0.0
16	75	16.52	0.0	-7.29	0.0	-1.30	0.0
16	76	16.52	0.0	-7.29	0.0	-1.30	0.0
65	1	-15.81	-16.62	-26.33	-7.30e-03	0.76	0.83
65	2	-15.81	-16.62	-26.33	-7.30e-03	0.76	0.83
65	3	-12.16	-12.79	-20.26	-5.62e-03	0.59	0.64
65	4	-12.16	-12.79	-20.26	-5.62e-03	0.59	0.64
65	5	-12.16	-12.79	-20.26	-5.62e-03	0.59	0.64
65	6	-12.16	-12.79	-20.26	-5.62e-03	0.59	0.64
65	7	-278.30	-188.08	149.07	-0.08	-255.74	-255.26
65	8	160.41	-116.67	-139.60	-2.14	52.72	72.93
65	9	-302.74	-204.39	164.57	-0.09	-279.34	-278.79
65	10	135.97	-132.98	-124.10	-2.14	29.12	49.40
65	11	-278.29	-188.32	148.91	-0.09	-255.67	-255.17
65	12	160.40	-116.44	-139.44	-2.14	52.66	72.84
65	13	-302.73	-204.62	164.41	-0.09	-279.27	-278.70
65	14	135.96	-132.74	-123.94	-2.14	29.06	49.31
65	15	-278.30	-188.08	149.07	-0.08	-255.74	-255.26
65	16	160.41	-116.67	-139.60	-2.14	52.72	72.93
65	17	-302.74	-204.39	164.57	-0.09	-279.34	-278.79
65	18	135.97	-132.98	-124.10	-2.14	29.12	49.40
65	19	-278.29	-188.32	148.91	-0.08	-255.67	-255.17
65	20	160.40	-116.44	-139.44	-2.13	52.66	72.84
65	21	-302.73	-204.62	164.41	-0.09	-279.27	-278.70
65	22	135.96	-132.74	-123.94	-2.14	29.06	49.31
65	23	-1028.97	-683.66	626.48	-0.30	-979.09	-977.24
65	24	433.39	-445.62	-335.75	-7.15	49.12	116.73
65	25	-1036.30	-688.55	631.13	-0.31	-986.17	-984.30
65	26	426.06	-450.51	-331.10	-7.15	42.04	109.67
65	27	-1028.97	-683.66	626.48	-0.30	-979.09	-977.24
65	28	433.39	-445.62	-335.75	-7.15	49.12	116.73
65	29	-1036.30	-688.55	631.13	-0.31	-986.17	-984.30
65	30	426.06	-450.51	-331.10	-7.15	42.04	109.67
65	31	-1028.94	-684.43	625.94	-0.31	-978.87	-976.94
65	32	433.36	-444.85	-335.21	-7.14	48.90	116.43
65	33	-1036.28	-689.33	630.59	-0.31	-985.95	-984.00
65	34	426.03	-449.74	-330.56	-7.15	41.82	109.37
65	35	-1028.94	-684.43	625.94	-0.31	-978.87	-976.94
65	36	433.36	-444.85	-335.21	-7.14	48.90	116.43
65	37	-1036.28	-689.33	630.59	-0.31	-985.95	-984.00
65	38	426.03	-449.74	-330.56	-7.15	41.82	109.37
65	39	-12.58	-12.20	-19.87	-3.55e-03	0.47	0.40
65	40	-11.73	-13.38	-20.64	-7.97e-03	0.70	0.87
65	41	-12.59	-12.19	-19.87	-3.27e-03	0.47	0.40
65	42	-11.73	-13.38	-20.64	-7.69e-03	0.70	0.87
65	43	-12.58	-12.28	-19.93	-4.26e-03	0.50	0.44
65	44	-11.73	-13.29	-20.58	-7.25e-03	0.68	0.84
65	45	-12.59	-12.28	-19.93	-3.99e-03	0.49	0.44
65	46	-11.74	-13.29	-20.58	-6.98e-03	0.67	0.84
65	47	-12.58	-12.20	-19.87	-3.29e-03	0.47	0.40
65	48	-11.73	-13.38	-20.64	-7.71e-03	0.70	0.87
65	49	-12.59	-12.19	-19.87	-3.53e-03	0.47	0.40
65	50	-11.73	-13.37	-20.64	-7.95e-03	0.70	0.87
65	51	-12.58	-12.28	-19.93	-4.00e-03	0.50	0.44
65	52	-11.73	-13.29	-20.58	-6.99e-03	0.68	0.84

65	53	-12.59	-12.28	-19.93	-4.25e-03	0.49	0.44
65	54	-11.74	-13.29	-20.58	-7.24e-03	0.67	0.84
65	55	-13.59	-10.82	-18.97	1.70e-03	0.21	-0.14
65	56	-10.73	-14.75	-21.54	-0.01	0.97	1.42
65	57	-13.59	-10.82	-18.97	1.78e-03	0.20	-0.14
65	58	-10.73	-14.75	-21.54	-0.01	0.97	1.42
65	59	-13.59	-10.82	-18.97	1.78e-03	0.21	-0.14
65	60	-10.73	-14.75	-21.54	-0.01	0.97	1.42
65	61	-13.59	-10.82	-18.97	1.70e-03	0.20	-0.14
65	62	-10.73	-14.75	-21.54	-0.01	0.97	1.42
65	63	-13.58	-11.11	-19.17	-6.77e-04	0.29	-0.03
65	64	-10.74	-14.46	-21.34	-0.01	0.89	1.31
65	65	-13.58	-11.11	-19.17	-5.94e-04	0.29	-0.03
65	66	-10.74	-14.46	-21.34	-0.01	0.89	1.31
65	67	-13.58	-11.11	-19.17	-5.99e-04	0.29	-0.03
65	68	-10.74	-14.46	-21.34	-0.01	0.89	1.31
65	69	-13.58	-11.11	-19.17	-6.72e-04	0.29	-0.03
65	70	-10.74	-14.46	-21.34	-0.01	0.89	1.31
65	71	-12.16	-12.79	-20.26	-5.62e-03	0.59	0.64
65	72	-12.16	-12.79	-20.26	-5.62e-03	0.59	0.64
65	73	-12.16	-12.79	-20.26	-5.62e-03	0.59	0.64
65	74	-12.16	-12.79	-20.26	-5.62e-03	0.59	0.64
65	75	-12.16	-12.79	-20.26	-5.62e-03	0.59	0.64
65	76	-12.16	-12.79	-20.26	-5.62e-03	0.59	0.64
66	1	-2.34e-06	0.0	-43.19	-0.02	-0.09	0.0
66	2	-2.34e-06	0.0	-43.19	-0.02	-0.09	0.0
66	3	-1.80e-06	0.0	-33.22	-0.01	-0.07	0.0
66	4	-1.80e-06	0.0	-33.22	-0.01	-0.07	0.0
66	5	-1.80e-06	0.0	-33.22	-0.01	-0.07	0.0
66	6	-1.80e-06	0.0	-33.22	-0.01	-0.07	0.0
66	7	-257.83	-245.99	-33.22	-0.01	-0.07	-362.25
66	8	101.59	24.37	-68.33	1.06	-0.45	65.89
66	9	-281.47	-268.70	-33.22	-0.01	-0.07	-395.56
66	10	77.95	1.66	-68.33	1.06	-0.45	32.57
66	11	-257.81	-246.07	-33.22	-0.01	-0.07	-362.09
66	12	101.57	24.44	-68.33	1.06	-0.45	65.73
66	13	-281.45	-268.78	-33.22	-0.01	-0.07	-395.40
66	14	77.93	1.74	-68.33	1.06	-0.45	32.42
66	15	-257.83	-245.99	-33.22	-0.01	-0.07	-362.25
66	16	101.59	24.37	-68.33	1.06	-0.45	65.89
66	17	-281.47	-268.70	-33.22	-0.01	-0.07	-395.56
66	18	77.96	1.66	-68.33	1.06	-0.45	32.58
66	19	-257.81	-246.07	-33.22	-0.01	-0.07	-362.09
66	20	101.57	24.45	-68.33	1.06	-0.45	65.73
66	21	-281.45	-268.78	-33.22	-0.01	-0.07	-395.40
66	22	77.93	1.74	-68.33	1.06	-0.45	32.42
66	23	-984.83	-940.56	-33.22	-0.01	-0.07	-1384.27
66	24	213.25	-39.37	-150.24	3.56	-1.35	42.83
66	25	-991.92	-947.37	-33.22	-0.01	-0.07	-1394.27
66	26	206.16	-46.19	-150.24	3.56	-1.35	32.84
66	27	-984.83	-940.56	-33.22	-0.01	-0.07	-1384.27
66	28	213.25	-39.37	-150.24	3.56	-1.35	42.83
66	29	-991.92	-947.37	-33.22	-0.01	-0.07	-1394.27
66	30	206.16	-46.19	-150.24	3.56	-1.35	32.84
66	31	-984.75	-940.82	-33.22	-0.01	-0.07	-1383.74
66	32	213.18	-39.11	-150.24	3.56	-1.35	42.30
66	33	-991.85	-947.63	-33.22	-0.01	-0.07	-1393.74
66	34	206.09	-45.93	-150.24	3.56	-1.35	32.31
66	35	-984.75	-940.82	-33.22	-0.01	-0.07	-1383.74
66	36	213.18	-39.11	-150.24	3.56	-1.35	42.30
66	37	-991.85	-947.63	-33.22	-0.01	-0.07	-1393.73
66	38	206.09	-45.93	-150.24	3.56	-1.35	32.31
66	39	-0.60	0.20	-33.22	-0.01	-0.07	-0.35
66	40	0.60	-0.21	-33.22	-0.01	-0.07	0.35
66	41	-0.60	0.21	-33.22	-0.01	-0.07	-0.35
66	42	0.60	-0.20	-33.22	-0.01	-0.07	0.35
66	43	-0.59	0.17	-33.22	-0.01	-0.07	-0.29
66	44	0.60	-0.18	-33.22	-0.01	-0.07	0.29
66	45	-0.60	0.18	-33.22	-0.01	-0.07	-0.29
66	46	0.59	-0.17	-33.22	-0.01	-0.07	0.29
66	47	-0.60	0.20	-33.22	-0.01	-0.07	-0.35
66	48	0.60	-0.21	-33.22	-0.01	-0.07	0.35
66	49	-0.60	0.21	-33.22	-0.01	-0.07	-0.35
66	50	0.60	-0.20	-33.22	-0.01	-0.07	0.35
66	51	-0.59	0.17	-33.22	-0.01	-0.07	-0.29
66	52	0.60	-0.18	-33.22	-0.01	-0.07	0.29
66	53	-0.60	0.18	-33.22	-0.01	-0.07	-0.29

66	54	0.59	-0.17	-33.22	-0.01	-0.07	0.29
66	55	-2.00	0.68	-33.22	-0.01	-0.07	-1.16
66	56	2.00	-0.68	-33.23	-0.01	-0.07	1.16
66	57	-2.00	0.68	-33.22	-0.01	-0.07	-1.16
66	58	2.00	-0.68	-33.23	-0.01	-0.07	1.16
66	59	-2.00	0.68	-33.22	-0.01	-0.07	-1.16
66	60	2.00	-0.68	-33.23	-0.01	-0.07	1.16
66	61	-2.00	0.68	-33.22	-0.01	-0.07	-1.16
66	62	2.00	-0.68	-33.23	-0.01	-0.07	1.16
66	63	-1.97	0.59	-33.22	-0.01	-0.07	-0.96
66	64	1.97	-0.59	-33.22	-0.01	-0.07	0.96
66	65	-1.97	0.59	-33.22	-0.01	-0.07	-0.96
66	66	1.97	-0.59	-33.22	-0.01	-0.07	0.96
66	67	-1.97	0.59	-33.22	-0.01	-0.07	-0.96
66	68	1.97	-0.59	-33.22	-0.01	-0.07	0.96
66	69	-1.97	0.59	-33.22	-0.01	-0.07	-0.96
66	70	1.97	-0.59	-33.22	-0.01	-0.07	0.96
66	71	-1.80e-06	0.0	-33.22	-0.01	-0.07	0.0
66	72	-1.80e-06	0.0	-33.22	-0.01	-0.07	0.0
66	73	-1.80e-06	0.0	-33.22	-0.01	-0.07	0.0
66	74	-1.80e-06	0.0	-33.22	-0.01	-0.07	0.0
66	75	-1.80e-06	0.0	-33.22	-0.01	-0.07	0.0
66	76	-1.80e-06	0.0	-33.22	-0.01	-0.07	0.0
67	1	15.81	16.62	-26.33	-7.30e-03	0.76	-0.83
67	2	15.81	16.62	-26.33	-7.30e-03	0.76	-0.83
67	3	12.16	12.79	-20.26	-5.62e-03	0.59	-0.64
67	4	12.16	12.79	-20.26	-5.62e-03	0.59	-0.64
67	5	12.16	12.79	-20.26	-5.62e-03	0.59	-0.64
67	6	12.16	12.79	-20.26	-5.62e-03	0.59	-0.64
67	7	-253.98	-162.51	-189.58	0.07	256.91	-256.54
67	8	54.36	39.34	9.28	0.02	-39.55	39.43
67	9	-278.42	-178.82	-205.08	0.08	280.51	-280.07
67	10	29.92	23.04	-6.22	0.03	-15.95	15.90
67	11	-253.97	-162.75	-189.42	0.07	256.84	-256.44
67	12	54.35	39.58	9.12	0.02	-39.48	39.33
67	13	-278.41	-179.05	-204.92	0.08	280.45	-279.97
67	14	29.91	23.28	-6.38	0.02	-15.88	15.80
67	15	-253.98	-162.51	-189.58	0.07	256.91	-256.54
67	16	54.36	39.34	9.28	0.02	-39.55	39.43
67	17	-278.42	-178.82	-205.08	0.08	280.51	-280.07
67	18	29.92	23.04	-6.22	0.03	-15.95	15.90
67	19	-253.97	-162.75	-189.42	0.07	256.84	-256.44
67	20	54.35	39.58	9.12	0.02	-39.48	39.33
67	21	-278.41	-179.05	-204.92	0.08	280.45	-279.97
67	22	29.91	23.27	-6.38	0.02	-15.88	15.80
67	23	-1004.65	-658.09	-666.99	0.29	980.27	-978.52
67	24	23.15	14.77	-4.13	0.12	-7.94	8.02
67	25	-1011.98	-662.98	-671.64	0.29	987.35	-985.58
67	26	15.82	9.88	-8.77	0.12	-0.86	0.96
67	27	-1004.65	-658.09	-666.99	0.29	980.27	-978.52
67	28	23.15	14.77	-4.13	0.12	-7.94	8.02
67	29	-1011.98	-662.98	-671.64	0.29	987.35	-985.58
67	30	15.82	9.88	-8.77	0.12	-0.86	0.96
67	31	-1004.62	-658.87	-666.45	0.30	980.04	-978.21
67	32	23.13	15.55	-4.66	0.11	-7.71	7.71
67	33	-1011.95	-663.76	-671.10	0.30	987.12	-985.27
67	34	15.80	10.66	-9.31	0.11	-0.63	0.65
67	35	-1004.62	-658.87	-666.45	0.30	980.04	-978.21
67	36	23.13	15.55	-4.66	0.11	-7.71	7.71
67	37	-1011.95	-663.76	-671.10	0.30	987.12	-985.27
67	38	15.80	10.66	-9.31	0.11	-0.63	0.65
67	39	11.73	13.37	-20.64	-7.69e-03	0.70	-0.87
67	40	12.59	12.19	-19.87	-3.28e-03	0.47	-0.40
67	41	11.73	13.38	-20.64	-7.95e-03	0.70	-0.87
67	42	12.58	12.20	-19.87	-3.54e-03	0.47	-0.40
67	43	11.74	13.29	-20.58	-6.99e-03	0.67	-0.84
67	44	12.59	12.28	-19.93	-3.99e-03	0.49	-0.44
67	45	11.73	13.29	-20.58	-7.25e-03	0.68	-0.84
67	46	12.58	12.28	-19.93	-4.25e-03	0.50	-0.44
67	47	11.73	13.38	-20.64	-7.96e-03	0.70	-0.87
67	48	12.59	12.19	-19.87	-3.55e-03	0.47	-0.40
67	49	11.73	13.38	-20.64	-7.69e-03	0.70	-0.87
67	50	12.58	12.20	-19.87	-3.28e-03	0.47	-0.40
67	51	11.74	13.29	-20.58	-7.25e-03	0.67	-0.84
67	52	12.59	12.28	-19.93	-4.25e-03	0.49	-0.44
67	53	11.73	13.29	-20.58	-6.99e-03	0.68	-0.84
67	54	12.58	12.28	-19.93	-3.99e-03	0.50	-0.44

67	55	10.73	14.75	-21.54	-0.01	0.97	-1.42
67	56	13.59	10.82	-18.98	1.77e-03	0.20	0.15
67	57	10.73	14.75	-21.54	-0.01	0.97	-1.42
67	58	13.58	10.82	-18.97	1.69e-03	0.20	0.15
67	59	10.73	14.75	-21.54	-0.01	0.97	-1.42
67	60	13.59	10.82	-18.98	1.69e-03	0.20	0.15
67	61	10.73	14.75	-21.54	-0.01	0.97	-1.42
67	62	13.58	10.82	-18.97	1.77e-03	0.20	0.15
67	63	10.74	14.46	-21.34	-0.01	0.88	-1.31
67	64	13.58	11.11	-19.17	-5.80e-04	0.29	0.03
67	65	10.74	14.46	-21.34	-0.01	0.89	-1.31
67	66	13.58	11.11	-19.17	-6.58e-04	0.29	0.03
67	67	10.74	14.46	-21.34	-0.01	0.88	-1.31
67	68	13.58	11.11	-19.17	-6.59e-04	0.29	0.03
67	69	10.74	14.46	-21.34	-0.01	0.89	-1.31
67	70	13.58	11.11	-19.17	-5.79e-04	0.29	0.03
67	71	12.16	12.79	-20.26	-5.62e-03	0.59	-0.64
67	72	12.16	12.79	-20.26	-5.62e-03	0.59	-0.64
67	73	12.16	12.79	-20.26	-5.62e-03	0.59	-0.64
67	74	12.16	12.79	-20.26	-5.62e-03	0.59	-0.64
67	75	12.16	12.79	-20.26	-5.62e-03	0.59	-0.64
67	76	12.16	12.79	-20.26	-5.62e-03	0.59	-0.64
68	1	21.47	0.0	-9.48	0.0	1.69	0.0
68	2	21.47	0.0	-9.48	0.0	1.69	0.0
68	3	16.52	0.0	-7.29	0.0	1.30	0.0
68	4	16.52	0.0	-7.29	0.0	1.30	0.0
68	5	16.52	0.0	-7.29	0.0	1.30	0.0
68	6	16.52	0.0	-7.29	0.0	1.30	0.0
68	7	-256.57	2.63	-249.08	-8.09e-03	362.97	-0.33
68	8	60.80	-2.62	31.69	9.12e-03	-57.27	0.33
68	9	-281.74	2.62	-271.37	-9.12e-03	396.31	-0.33
68	10	35.63	-2.63	9.41	8.09e-03	-23.93	0.33
68	11	-256.57	2.24	-249.08	-5.70e-03	362.97	-0.30
68	12	60.80	-2.23	31.69	6.73e-03	-57.27	0.30
68	13	-281.74	2.23	-271.37	-6.73e-03	396.31	-0.30
68	14	35.63	-2.24	9.41	5.70e-03	-23.93	0.30
68	15	-256.57	2.62	-249.08	-9.08e-03	362.97	-0.33
68	16	60.80	-2.63	31.69	8.12e-03	-57.27	0.33
68	17	-281.74	2.63	-271.37	-8.12e-03	396.31	-0.33
68	18	35.63	-2.62	9.41	9.08e-03	-23.93	0.33
68	19	-256.57	2.23	-249.08	-6.69e-03	362.97	-0.30
68	20	60.80	-2.24	31.69	5.73e-03	-57.27	0.30
68	21	-281.74	2.24	-271.37	-5.73e-03	396.31	-0.30
68	22	35.63	-2.23	9.41	6.69e-03	-23.93	0.30
68	23	-1027.38	8.76	-931.55	-0.03	1383.82	-1.09
68	24	30.52	-8.76	4.36	0.03	-16.98	1.09
68	25	-1034.93	8.76	-938.23	-0.03	1393.82	-1.09
68	26	22.96	-8.76	-2.33	0.03	-6.98	1.09
68	27	-1027.38	8.76	-931.55	-0.03	1383.82	-1.09
68	28	30.52	-8.76	4.36	0.03	-16.98	1.09
68	29	-1034.93	8.76	-938.23	-0.03	1393.82	-1.09
68	30	22.96	-8.76	-2.33	0.03	-6.98	1.09
68	31	-1027.38	7.46	-931.55	-0.02	1383.82	-1.01
68	32	30.52	-7.46	4.36	0.02	-16.98	1.01
68	33	-1034.94	7.46	-938.23	-0.02	1393.82	-1.01
68	34	22.97	-7.46	-2.33	0.02	-6.98	1.01
68	35	-1027.38	7.46	-931.55	-0.02	1383.82	-1.01
68	36	30.52	-7.46	4.36	0.02	-16.98	1.01
68	37	-1034.94	7.46	-938.23	-0.02	1393.82	-1.01
68	38	22.97	-7.46	-2.33	0.02	-6.98	1.01
68	39	16.52	0.98	-7.29	-3.00e-03	1.30	-0.12
68	40	16.52	-0.97	-7.29	3.38e-03	1.30	0.12
68	41	16.52	0.97	-7.29	-3.38e-03	1.30	-0.12
68	42	16.52	-0.98	-7.29	3.00e-03	1.30	0.12
68	43	16.52	0.83	-7.29	-2.11e-03	1.30	-0.11
68	44	16.52	-0.83	-7.29	2.49e-03	1.30	0.11
68	45	16.52	0.83	-7.29	-2.49e-03	1.30	-0.11
68	46	16.52	-0.83	-7.29	2.11e-03	1.30	0.11
68	47	16.52	0.97	-7.29	-3.37e-03	1.30	-0.12
68	48	16.52	-0.98	-7.29	3.01e-03	1.30	0.12
68	49	16.52	0.98	-7.29	-3.01e-03	1.30	-0.12
68	50	16.52	-0.97	-7.29	3.37e-03	1.30	0.12
68	51	16.52	0.83	-7.29	-2.48e-03	1.30	-0.11
68	52	16.52	-0.83	-7.29	2.13e-03	1.30	0.11
68	53	16.52	0.83	-7.29	-2.13e-03	1.30	-0.11
68	54	16.52	-0.83	-7.29	2.48e-03	1.30	0.11
68	55	16.52	3.25	-7.29	-0.01	1.30	-0.40

68	56	16.52	-3.25	-7.29	0.01	1.30	0.40
68	57	16.52	3.25	-7.29	-0.01	1.30	-0.40
68	58	16.52	-3.25	-7.29	0.01	1.30	0.40
68	59	16.52	3.25	-7.29	-0.01	1.30	-0.40
68	60	16.52	-3.25	-7.29	0.01	1.30	0.40
68	61	16.52	3.25	-7.29	-0.01	1.30	-0.40
68	62	16.52	-3.25	-7.29	0.01	1.30	0.40
68	63	16.52	2.77	-7.29	-7.62e-03	1.30	-0.37
68	64	16.52	-2.77	-7.29	7.74e-03	1.30	0.37
68	65	16.52	2.77	-7.29	-7.74e-03	1.30	-0.37
68	66	16.52	-2.77	-7.29	7.62e-03	1.30	0.37
68	67	16.52	2.77	-7.29	-7.73e-03	1.30	-0.37
68	68	16.52	-2.77	-7.29	7.63e-03	1.30	0.37
68	69	16.52	2.77	-7.29	-7.63e-03	1.30	-0.37
68	70	16.52	-2.77	-7.29	7.73e-03	1.30	0.37
68	71	16.52	0.0	-7.29	0.0	1.30	0.0
68	72	16.52	0.0	-7.29	0.0	1.30	0.0
68	73	16.52	0.0	-7.29	0.0	1.30	0.0
68	74	16.52	0.0	-7.29	0.0	1.30	0.0
68	75	16.52	0.0	-7.29	0.0	1.30	0.0
68	76	16.52	0.0	-7.29	0.0	1.30	0.0
69	1	15.81	-16.62	-26.33	7.30e-03	0.76	0.83
69	2	15.81	-16.62	-26.33	7.30e-03	0.76	0.83
69	3	12.16	-12.79	-20.26	5.62e-03	0.59	0.64
69	4	12.16	-12.79	-20.26	5.62e-03	0.59	0.64
69	5	12.16	-12.79	-20.26	5.62e-03	0.59	0.64
69	6	12.16	-12.79	-20.26	5.62e-03	0.59	0.64
69	7	-251.67	165.70	-187.51	-0.08	256.29	255.27
69	8	52.05	-42.53	7.20	-6.34e-03	-38.93	-38.16
69	9	-276.11	182.00	-203.01	-0.09	279.89	278.80
69	10	27.61	-26.22	-8.29	-0.01	-15.33	-14.63
69	11	-251.68	165.46	-187.67	-0.08	256.36	255.36
69	12	52.06	-42.29	7.36	-8.20e-03	-39.00	-38.25
69	13	-276.12	181.77	-203.17	-0.09	279.96	278.89
69	14	27.62	-25.99	-8.13	-0.02	-15.40	-14.72
69	15	-251.67	165.70	-187.51	-0.08	256.29	255.27
69	16	52.05	-42.52	7.20	-7.04e-03	-38.93	-38.16
69	17	-276.11	182.00	-203.01	-0.09	279.89	278.80
69	18	27.61	-26.22	-8.29	-0.01	-15.33	-14.63
69	19	-251.68	165.46	-187.67	-0.08	256.36	255.36
69	20	52.06	-42.29	7.37	-8.90e-03	-39.00	-38.25
69	21	-276.12	181.76	-203.17	-0.09	279.96	278.89
69	22	27.62	-25.99	-8.13	-0.02	-15.40	-14.72
69	23	-996.95	668.69	-660.08	-0.33	978.20	974.29
69	24	15.46	-25.38	-11.04	-0.08	-5.87	-3.79
69	25	-1004.28	673.58	-664.73	-0.33	985.28	981.35
69	26	8.13	-20.49	-15.68	-0.08	1.21	3.27
69	27	-996.95	668.69	-660.08	-0.33	978.20	974.29
69	28	15.46	-25.38	-11.04	-0.08	-5.87	-3.79
69	29	-1004.28	673.58	-664.73	-0.33	985.28	981.35
69	30	8.13	-20.49	-15.69	-0.08	1.21	3.27
69	31	-996.98	667.92	-660.61	-0.33	978.43	974.60
69	32	15.49	-24.60	-10.50	-0.08	-6.10	-4.09
69	33	-1004.31	672.81	-665.26	-0.33	985.51	981.66
69	34	8.16	-19.71	-15.15	-0.08	0.98	2.96
69	35	-996.98	667.92	-660.61	-0.33	978.43	974.60
69	36	15.49	-24.60	-10.50	-0.08	-6.10	-4.09
69	37	-1004.31	672.81	-665.26	-0.33	985.51	981.66
69	38	8.16	-19.71	-15.15	-0.08	0.98	2.96
69	39	12.59	-12.20	-19.87	3.57e-03	0.47	0.40
69	40	11.73	-13.38	-20.64	7.95e-03	0.70	0.87
69	41	12.58	-12.20	-19.87	3.29e-03	0.47	0.40
69	42	11.73	-13.38	-20.64	7.67e-03	0.70	0.87
69	43	12.59	-12.28	-19.93	4.26e-03	0.49	0.44
69	44	11.74	-13.29	-20.58	7.26e-03	0.67	0.84
69	45	12.58	-12.28	-19.93	3.98e-03	0.50	0.44
69	46	11.73	-13.29	-20.58	6.98e-03	0.68	0.84
69	47	12.59	-12.19	-19.87	3.31e-03	0.47	0.40
69	48	11.73	-13.37	-20.64	7.69e-03	0.70	0.87
69	49	12.58	-12.20	-19.87	3.55e-03	0.47	0.40
69	50	11.73	-13.38	-20.64	7.93e-03	0.70	0.87
69	51	12.59	-12.28	-19.93	4.00e-03	0.49	0.44
69	52	11.74	-13.29	-20.58	7.00e-03	0.67	0.84
69	53	12.58	-12.28	-19.93	4.24e-03	0.50	0.44
69	54	11.73	-13.29	-20.58	7.24e-03	0.68	0.84
69	55	13.59	-10.82	-18.98	-1.63e-03	0.20	-0.15
69	56	10.73	-14.75	-21.54	0.01	0.97	1.42

69	57	13.59	-10.82	-18.97	-1.71e-03	0.20	-0.15
69	58	10.73	-14.75	-21.54	0.01	0.97	1.42
69	59	13.59	-10.82	-18.98	-1.71e-03	0.20	-0.15
69	60	10.73	-14.75	-21.54	0.01	0.97	1.42
69	61	13.59	-10.82	-18.97	-1.64e-03	0.20	-0.15
69	62	10.73	-14.75	-21.54	0.01	0.97	1.42
69	63	13.58	-11.11	-19.17	6.72e-04	0.29	-0.03
69	64	10.74	-14.46	-21.34	0.01	0.88	1.31
69	65	13.58	-11.11	-19.17	5.87e-04	0.29	-0.03
69	66	10.74	-14.46	-21.34	0.01	0.89	1.31
69	67	13.58	-11.11	-19.17	5.94e-04	0.29	-0.03
69	68	10.74	-14.46	-21.34	0.01	0.88	1.31
69	69	13.58	-11.11	-19.17	6.65e-04	0.29	-0.03
69	70	10.74	-14.46	-21.34	0.01	0.89	1.31
69	71	12.16	-12.79	-20.26	5.62e-03	0.59	0.64
69	72	12.16	-12.79	-20.26	5.62e-03	0.59	0.64
69	73	12.16	-12.79	-20.26	5.62e-03	0.59	0.64
69	74	12.16	-12.79	-20.26	5.62e-03	0.59	0.64
69	75	12.16	-12.79	-20.26	5.62e-03	0.59	0.64
69	76	12.16	-12.79	-20.26	5.62e-03	0.59	0.64
70	1	-2.34e-06	0.0	-43.19	0.02	-0.09	0.0
70	2	-2.34e-06	0.0	-43.19	0.02	-0.09	0.0
70	3	-1.80e-06	0.0	-33.22	0.01	-0.07	0.0
70	4	-1.80e-06	0.0	-33.22	0.01	-0.07	0.0
70	5	-1.80e-06	0.0	-33.22	0.01	-0.07	0.0
70	6	-1.80e-06	0.0	-33.22	0.01	-0.07	0.0
70	7	-254.60	247.10	-33.22	0.01	-0.07	360.37
70	8	98.36	-25.47	-68.33	-1.06	-0.45	-64.01
70	9	-278.24	269.80	-33.22	0.01	-0.07	393.69
70	10	74.72	-2.76	-68.33	-1.06	-0.45	-30.70
70	11	-254.62	247.02	-33.22	0.01	-0.07	360.53
70	12	98.38	-25.40	-68.33	-1.06	-0.45	-64.17
70	13	-278.26	269.73	-33.22	0.01	-0.07	393.84
70	14	74.74	-2.69	-68.33	-1.06	-0.45	-30.86
70	15	-254.60	247.10	-33.22	0.01	-0.07	360.38
70	16	98.36	-25.47	-68.33	-1.06	-0.45	-64.01
70	17	-278.24	269.81	-33.22	0.01	-0.07	393.69
70	18	74.72	-2.76	-68.33	-1.06	-0.45	-30.70
70	19	-254.62	247.02	-33.22	0.01	-0.07	360.53
70	20	98.38	-25.40	-68.33	-1.06	-0.45	-64.17
70	21	-278.25	269.73	-33.22	0.01	-0.07	393.84
70	22	74.74	-2.69	-68.33	-1.06	-0.45	-30.86
70	23	-974.05	944.25	-33.23	0.01	-0.07	1378.04
70	24	202.48	35.68	-150.23	-3.56	-1.35	-36.59
70	25	-981.14	951.06	-33.23	0.01	-0.07	1388.03
70	26	195.38	42.50	-150.23	-3.56	-1.35	-26.60
70	27	-974.05	944.25	-33.23	0.01	-0.07	1378.04
70	28	202.48	35.68	-150.23	-3.56	-1.35	-36.59
70	29	-981.14	951.06	-33.23	0.01	-0.07	1388.03
70	30	195.38	42.50	-150.23	-3.56	-1.35	-26.60
70	31	-974.12	943.99	-33.22	0.01	-0.07	1378.56
70	32	202.54	35.94	-150.23	-3.56	-1.35	-37.12
70	33	-981.21	950.81	-33.22	0.01	-0.07	1388.55
70	34	195.45	42.75	-150.23	-3.56	-1.35	-27.13
70	35	-974.12	943.99	-33.22	0.01	-0.07	1378.56
70	36	202.54	35.94	-150.23	-3.56	-1.35	-37.12
70	37	-981.21	950.81	-33.22	0.01	-0.07	1388.55
70	38	195.45	42.75	-150.23	-3.56	-1.35	-27.13
70	39	0.60	0.21	-33.22	0.01	-0.07	-0.35
70	40	-0.59	-0.20	-33.22	0.01	-0.07	0.34
70	41	0.59	0.20	-33.22	0.01	-0.07	-0.34
70	42	-0.60	-0.21	-33.22	0.01	-0.07	0.35
70	43	0.60	0.18	-33.22	0.01	-0.07	-0.29
70	44	-0.59	-0.17	-33.22	0.01	-0.07	0.29
70	45	0.59	0.17	-33.22	0.01	-0.07	-0.29
70	46	-0.60	-0.18	-33.22	0.01	-0.07	0.29
70	47	0.60	0.21	-33.22	0.01	-0.07	-0.35
70	48	-0.59	-0.20	-33.22	0.01	-0.07	0.34
70	49	0.59	0.20	-33.22	0.01	-0.07	-0.34
70	50	-0.60	-0.21	-33.22	0.01	-0.07	0.35
70	51	0.60	0.18	-33.22	0.01	-0.07	-0.29
70	52	-0.59	-0.17	-33.22	0.01	-0.07	0.29
70	53	0.59	0.17	-33.22	0.01	-0.07	-0.29
70	54	-0.60	-0.18	-33.22	0.01	-0.07	0.29
70	55	2.00	0.68	-33.22	0.01	-0.07	-1.16
70	56	-2.00	-0.68	-33.22	0.01	-0.07	1.15
70	57	2.00	0.68	-33.22	0.01	-0.07	-1.15

70	58	-2.00	-0.68	-33.22	0.01	-0.07	1.16
70	59	2.00	0.68	-33.22	0.01	-0.07	-1.16
70	60	-2.00	-0.68	-33.22	0.01	-0.07	1.15
70	61	2.00	0.68	-33.22	0.01	-0.07	-1.15
70	62	-2.00	-0.68	-33.22	0.01	-0.07	1.16
70	63	1.97	0.59	-33.22	0.01	-0.07	-0.96
70	64	-1.97	-0.59	-33.22	0.01	-0.07	0.96
70	65	1.97	0.59	-33.22	0.01	-0.07	-0.96
70	66	-1.97	-0.59	-33.22	0.01	-0.07	0.96
70	67	1.97	0.59	-33.22	0.01	-0.07	-0.96
70	68	-1.97	-0.59	-33.22	0.01	-0.07	0.96
70	69	1.97	0.59	-33.22	0.01	-0.07	-0.96
70	70	-1.97	-0.59	-33.22	0.01	-0.07	0.96
70	71	-1.80e-06	0.0	-33.22	0.01	-0.07	0.0
70	72	-1.80e-06	0.0	-33.22	0.01	-0.07	0.0
70	73	-1.80e-06	0.0	-33.22	0.01	-0.07	0.0
70	74	-1.80e-06	0.0	-33.22	0.01	-0.07	0.0
70	75	-1.80e-06	0.0	-33.22	0.01	-0.07	0.0
70	76	-1.80e-06	0.0	-33.22	0.01	-0.07	0.0
71	1	-15.81	16.62	-26.33	7.30e-03	0.76	-0.83
71	2	-15.81	16.62	-26.33	7.30e-03	0.76	-0.83
71	3	-12.16	12.79	-20.26	5.62e-03	0.59	-0.64
71	4	-12.16	12.79	-20.26	5.62e-03	0.59	-0.64
71	5	-12.16	12.79	-20.26	5.62e-03	0.59	-0.64
71	6	-12.16	12.79	-20.26	5.62e-03	0.59	-0.64
71	7	-275.99	191.27	147.00	0.09	-255.12	253.99
71	8	158.10	113.49	-137.52	2.12	52.11	-71.67
71	9	-300.43	207.57	162.49	0.10	-278.72	277.52
71	10	133.66	129.80	-122.03	2.13	28.50	-48.14
71	11	-276.00	191.03	147.16	0.09	-255.19	254.08
71	12	158.11	113.73	-137.68	2.13	52.17	-71.76
71	13	-300.44	207.34	162.65	0.10	-278.79	277.61
71	14	133.67	130.03	-122.19	2.13	28.57	-48.23
71	15	-275.99	191.27	147.00	0.09	-255.12	253.99
71	16	158.10	113.49	-137.52	2.13	52.11	-71.67
71	17	-300.43	207.57	162.49	0.10	-278.72	277.52
71	18	133.66	129.80	-122.03	2.13	28.51	-48.14
71	19	-276.00	191.03	147.16	0.09	-255.19	254.08
71	20	158.11	113.73	-137.68	2.13	52.17	-71.76
71	21	-300.44	207.34	162.66	0.10	-278.79	277.61
71	22	133.67	130.03	-122.19	2.13	28.57	-48.23
71	23	-1021.28	694.26	619.57	0.34	-977.03	973.02
71	24	425.70	435.02	-328.83	7.11	47.06	-112.51
71	25	-1028.61	699.15	624.21	0.35	-984.11	980.08
71	26	418.37	439.91	-324.18	7.11	39.98	-105.45
71	27	-1021.28	694.26	619.57	0.34	-977.03	973.02
71	28	425.70	435.02	-328.83	7.11	47.06	-112.51
71	29	-1028.61	699.15	624.21	0.34	-984.11	980.08
71	30	418.37	439.91	-324.18	7.11	39.98	-105.45
71	31	-1021.30	693.49	620.10	0.34	-977.26	973.33
71	32	425.72	435.79	-329.37	7.12	47.28	-112.81
71	33	-1028.64	698.38	624.75	0.34	-984.34	980.38
71	34	418.39	440.69	-324.72	7.12	40.20	-105.76
71	35	-1021.30	693.49	620.10	0.34	-977.26	973.33
71	36	425.72	435.79	-329.37	7.12	47.28	-112.81
71	37	-1028.64	698.38	624.75	0.34	-984.34	980.38
71	38	418.39	440.69	-324.72	7.12	40.20	-105.76
71	39	-11.73	13.38	-20.64	7.67e-03	0.70	-0.87
71	40	-12.58	12.20	-19.87	3.30e-03	0.47	-0.40
71	41	-11.74	13.37	-20.64	7.93e-03	0.70	-0.87
71	42	-12.59	12.20	-19.87	3.57e-03	0.47	-0.40
71	43	-11.73	13.29	-20.58	6.99e-03	0.68	-0.84
71	44	-12.58	12.28	-19.93	3.99e-03	0.50	-0.44
71	45	-11.74	13.29	-20.58	7.25e-03	0.67	-0.84
71	46	-12.59	12.28	-19.93	4.25e-03	0.49	-0.44
71	47	-11.73	13.38	-20.64	7.93e-03	0.70	-0.87
71	48	-12.58	12.20	-19.87	3.57e-03	0.47	-0.40
71	49	-11.74	13.37	-20.64	7.67e-03	0.70	-0.87
71	50	-12.59	12.20	-19.87	3.31e-03	0.47	-0.40
71	51	-11.73	13.29	-20.58	7.25e-03	0.68	-0.84
71	52	-12.58	12.28	-19.93	4.25e-03	0.50	-0.44
71	53	-11.74	13.29	-20.58	6.99e-03	0.67	-0.84
71	54	-12.59	12.28	-19.93	3.99e-03	0.49	-0.44
71	55	-10.73	14.75	-21.54	0.01	0.97	-1.42
71	56	-13.58	10.82	-18.97	-1.69e-03	0.20	0.15
71	57	-10.74	14.75	-21.54	0.01	0.97	-1.42
71	58	-13.58	10.82	-18.97	-1.61e-03	0.20	0.15

71	59	-10.73	14.75	-21.54	0.01	0.97	-1.42
71	60	-13.58	10.82	-18.97	-1.61e-03	0.20	0.15
71	61	-10.74	14.75	-21.54	0.01	0.97	-1.42
71	62	-13.58	10.82	-18.97	-1.69e-03	0.20	0.15
71	63	-10.74	14.46	-21.34	0.01	0.89	-1.31
71	64	-13.57	11.11	-19.17	5.78e-04	0.29	0.03
71	65	-10.74	14.46	-21.34	0.01	0.88	-1.31
71	66	-13.58	11.11	-19.17	6.58e-04	0.29	0.03
71	67	-10.74	14.46	-21.34	0.01	0.89	-1.31
71	68	-13.57	11.11	-19.17	6.57e-04	0.29	0.03
71	69	-10.74	14.46	-21.34	0.01	0.88	-1.31
71	70	-13.58	11.11	-19.17	5.79e-04	0.29	0.03
71	71	-12.16	12.79	-20.26	5.62e-03	0.59	-0.64
71	72	-12.16	12.79	-20.26	5.62e-03	0.59	-0.64
71	73	-12.16	12.79	-20.26	5.62e-03	0.59	-0.64
71	74	-12.16	12.79	-20.26	5.62e-03	0.59	-0.64
71	75	-12.16	12.79	-20.26	5.62e-03	0.59	-0.64
71	76	-12.16	12.79	-20.26	5.62e-03	0.59	-0.64
72	1	-21.47	0.0	-9.48	0.0	1.69	0.0
72	2	-21.47	0.0	-9.48	0.0	1.69	0.0
72	3	-16.52	0.0	-7.29	0.0	1.30	0.0
72	4	-16.52	0.0	-7.29	0.0	1.30	0.0
72	5	-16.52	0.0	-7.29	0.0	1.30	0.0
72	6	-16.52	0.0	-7.29	0.0	1.30	0.0
72	7	-289.60	2.63	234.49	8.00e-03	-360.37	-0.33
72	8	-291.13	-2.62	-179.94	-9.02e-03	64.38	0.32
72	9	-314.77	2.62	256.78	9.02e-03	-393.71	-0.32
72	10	-316.30	-2.63	-157.66	-8.00e-03	31.05	0.33
72	11	-289.60	2.24	234.49	5.70e-03	-360.37	-0.30
72	12	-291.13	-2.23	-179.94	-6.72e-03	64.38	0.30
72	13	-314.77	2.23	256.78	6.72e-03	-393.71	-0.30
72	14	-316.30	-2.24	-157.66	-5.70e-03	31.05	0.30
72	15	-289.60	2.62	234.49	8.99e-03	-360.37	-0.32
72	16	-291.13	-2.63	-179.94	-8.03e-03	64.38	0.33
72	17	-314.77	2.63	256.78	8.03e-03	-393.71	-0.33
72	18	-316.30	-2.62	-157.66	-8.99e-03	31.05	0.32
72	19	-289.60	2.23	234.49	6.69e-03	-360.37	-0.30
72	20	-291.13	-2.24	-179.94	-5.73e-03	64.38	0.30
72	21	-314.77	2.24	256.78	5.73e-03	-393.71	-0.30
72	22	-316.30	-2.23	-157.66	-6.69e-03	31.05	0.30
72	23	-1060.41	8.76	916.96	0.03	-1381.22	-1.09
72	24	-1065.50	-8.76	-464.50	-0.03	34.63	1.09
72	25	-1067.96	8.76	923.65	0.03	-1391.22	-1.09
72	26	-1073.05	-8.76	-457.81	-0.03	24.63	1.09
72	27	-1060.41	8.76	916.96	0.03	-1381.22	-1.09
72	28	-1065.50	-8.76	-464.50	-0.03	34.63	1.09
72	29	-1067.96	8.76	923.65	0.03	-1391.22	-1.09
72	30	-1073.05	-8.76	-457.81	-0.03	24.63	1.09
72	31	-1060.42	7.46	916.96	0.02	-1381.22	-1.01
72	32	-1065.49	-7.46	-464.49	-0.02	34.63	1.01
72	33	-1067.97	7.46	923.64	0.02	-1391.22	-1.01
72	34	-1073.04	-7.46	-457.81	-0.02	24.63	1.01
72	35	-1060.42	7.46	916.96	0.02	-1381.22	-1.01
72	36	-1065.49	-7.46	-464.49	-0.02	34.63	1.01
72	37	-1067.97	7.46	923.64	0.02	-1391.22	-1.01
72	38	-1073.04	-7.46	-457.81	-0.02	24.63	1.01
72	39	-16.52	0.98	-7.29	2.97e-03	1.30	-0.12
72	40	-16.52	-0.97	-7.29	-3.35e-03	1.30	0.12
72	41	-16.52	0.97	-7.29	3.35e-03	1.30	-0.12
72	42	-16.52	-0.98	-7.29	-2.97e-03	1.30	0.12
72	43	-16.52	0.83	-7.29	2.11e-03	1.30	-0.11
72	44	-16.52	-0.83	-7.29	-2.49e-03	1.30	0.11
72	45	-16.52	0.83	-7.29	2.49e-03	1.30	-0.11
72	46	-16.52	-0.83	-7.29	-2.11e-03	1.30	0.11
72	47	-16.52	0.97	-7.29	3.33e-03	1.30	-0.12
72	48	-16.52	-0.98	-7.29	-2.98e-03	1.30	0.12
72	49	-16.52	0.98	-7.29	2.98e-03	1.30	-0.12
72	50	-16.52	-0.97	-7.29	-3.33e-03	1.30	0.12
72	51	-16.52	0.83	-7.29	2.48e-03	1.30	-0.11
72	52	-16.52	-0.83	-7.29	-2.12e-03	1.30	0.11
72	53	-16.52	0.83	-7.29	2.12e-03	1.30	-0.11
72	54	-16.52	-0.83	-7.29	-2.48e-03	1.30	0.11
72	55	-16.51	3.25	-7.29	0.01	1.30	-0.40
72	56	-16.52	-3.25	-7.29	-0.01	1.30	0.40
72	57	-16.51	3.25	-7.29	0.01	1.30	-0.40
72	58	-16.52	-3.25	-7.29	-0.01	1.30	0.40
72	59	-16.51	3.25	-7.29	0.01	1.30	-0.40

72	60	-16.52	-3.25	-7.29	-0.01	1.30	0.40
72	61	-16.51	3.25	-7.29	0.01	1.30	-0.40
72	62	-16.52	-3.25	-7.29	-0.01	1.30	0.40
72	63	-16.52	2.77	-7.29	7.62e-03	1.30	-0.37
72	64	-16.52	-2.77	-7.29	-7.73e-03	1.30	0.37
72	65	-16.52	2.77	-7.29	7.73e-03	1.30	-0.37
72	66	-16.52	-2.77	-7.29	-7.62e-03	1.30	0.37
72	67	-16.52	2.77	-7.29	7.73e-03	1.30	-0.37
72	68	-16.52	-2.77	-7.29	-7.62e-03	1.30	0.37
72	69	-16.52	2.77	-7.29	7.62e-03	1.30	-0.37
72	70	-16.52	-2.77	-7.29	-7.73e-03	1.30	0.37
72	71	-16.52	0.0	-7.29	0.0	1.30	0.0
72	72	-16.52	0.0	-7.29	0.0	1.30	0.0
72	73	-16.52	0.0	-7.29	0.0	1.30	0.0
72	74	-16.52	0.0	-7.29	0.0	1.30	0.0
72	75	-16.52	0.0	-7.29	0.0	1.30	0.0
72	76	-16.52	0.0	-7.29	0.0	1.30	0.0

Nodo	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
	-1073.05	-947.64	-938.23	-7.15	-1393.83	-1394.27
	1073.04	951.07	923.65	7.12	1393.82	1394.26

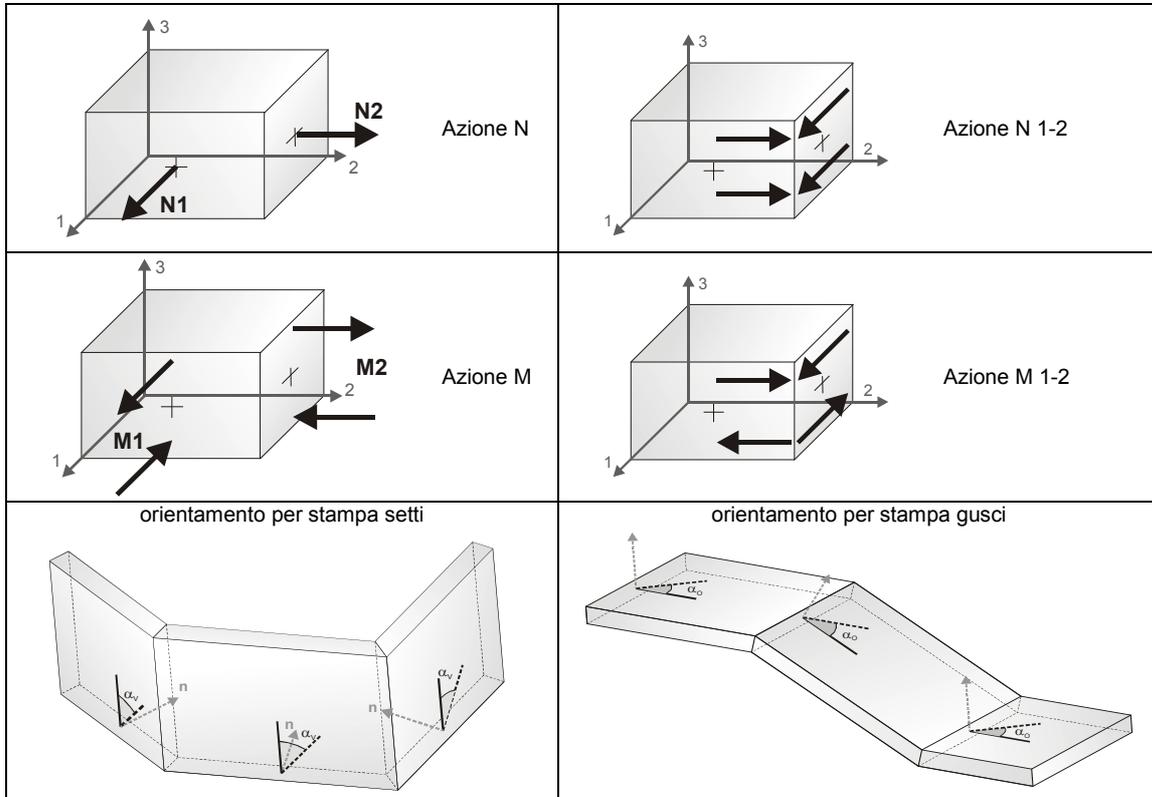
Nodo	Cmb	Azione X daN	Azione Y daN	Azione Z daN	Azione RX daN cm	Azione RY daN cm	Azione RZ daN cm
1	36	-433.38	-445.62	-335.75	-7.15	-49.11	-116.73
	37	1036.29	-688.55	631.13	-0.31	986.17	984.30
	34	-426.05	-450.52	-331.10	-7.15	-42.04	-109.67
	63	13.59	-10.82	-18.97	1.74e-03	-0.20	0.14
	20	-160.39	-116.67	-139.61	-2.14	-52.72	-72.93
	37	1036.29	-688.55	631.13	-0.31	986.17	984.30
4	30	-206.09	-45.93	-150.24	3.56	1.35	-32.30
	27	984.76	-940.82	-33.22	-0.01	0.07	1383.73
	1	2.34e-06	0.0	-43.19	-0.02	0.09	0.0
	36	-213.24	-39.37	-150.23	3.56	1.35	-42.82
	27	984.76	-940.82	-33.22	-0.01	0.07	1383.73
	30	-206.09	-45.93	-150.24	3.56	1.35	-32.30
6	33	1011.97	-662.98	-671.65	0.29	-987.34	985.57
	12	-54.34	39.34	9.29	0.02	39.54	-39.42
	69	-10.73	14.75	-21.54	-0.01	-0.97	1.42
	25	1011.95	-663.76	-671.11	0.30	-987.12	985.27
	37	1011.97	-662.98	-671.65	0.29	-987.34	985.57
	20	-54.34	39.34	9.29	0.02	39.54	-39.42
8	29	1034.94	7.46	-938.23	-0.02	-1393.82	1.00
	16	-60.80	-2.23	31.69	6.68e-03	57.27	-0.30
	31	1027.39	8.76	-931.55	-0.03	-1383.83	1.09
	34	-22.97	-8.76	-2.33	0.03	6.98	-1.09
	33	1034.94	8.76	-938.23	-0.03	-1393.83	1.09
	12	-60.80	-2.63	31.69	7.99e-03	57.27	-0.33
10	25	1004.31	672.81	-665.27	-0.33	-985.51	-981.66
	8	-52.04	-42.29	7.38	-8.88e-03	38.99	38.25
	37	1004.28	673.59	-664.73	-0.33	-985.29	-981.36
	66	-10.73	-14.75	-21.54	0.01	-0.97	-1.42
	29	1004.31	672.81	-665.26	-0.33	-985.51	-981.66
	16	-52.04	-42.29	7.38	-8.18e-03	38.99	38.25
12	36	-202.46	35.68	-150.23	-3.56	1.35	36.58
	62	1.97	-0.59	-33.22	0.01	0.07	-0.96
	28	-202.53	35.93	-150.23	-3.56	1.35	37.11
	1	2.34e-06	0.0	-43.19	0.02	0.09	0.0
	60	1.97	-0.59	-33.22	0.01	0.07	-0.96
	38	-195.38	42.50	-150.23	-3.56	1.35	26.59
14	24	-425.71	435.79	-329.37	7.12	-47.28	112.81
	25	1028.62	698.38	624.75	0.34	984.33	-980.38
	66	13.59	10.82	-18.97	-1.79e-03	-0.21	-0.14
	30	-418.39	440.68	-324.71	7.12	-40.20	105.75
	16	-158.09	113.72	-137.69	2.13	-52.17	71.75
	29	1028.63	698.38	624.75	0.34	984.33	-980.38
16	28	1065.48	-7.46	-464.50	-0.02	-34.63	-1.01
	29	1067.98	7.46	923.65	0.02	1391.22	1.01
	34	1073.04	-8.76	-457.81	-0.03	-24.63	-1.09
	31	1060.42	8.76	916.96	0.03	1381.22	1.09
	12	291.13	-2.63	-179.94	-7.98e-03	-64.38	-0.33
	33	1067.97	8.76	923.64	0.03	1391.22	1.09
65	28	433.39	-445.62	-335.75	-7.15	49.12	116.73
	29	-1036.30	-688.55	631.13	-0.31	-986.17	-984.30
	30	426.06	-450.51	-331.10	-7.15	42.04	109.67
	57	-13.59	-10.82	-18.97	1.78e-03	0.20	-0.14

	25	-1036.30	-688.55	631.13	-0.31	-986.17	-984.30
	8	160.41	-116.67	-139.60	-2.14	52.72	72.93
66	26	206.16	-46.19	-150.24	3.56	-1.35	32.84
	23	-984.83	-940.56	-33.22	-0.01	-0.07	-1384.27
	1	-2.34e-06	0.0	-43.19	-0.02	-0.09	0.0
	38	206.09	-45.93	-150.24	3.56	-1.35	32.31
	28	213.25	-39.37	-150.24	3.56	-1.35	42.83
	29	-991.92	-947.37	-33.22	-0.01	-0.07	-1394.27
67	29	-1011.98	-662.98	-671.64	0.29	987.35	-985.58
	16	54.36	39.34	9.28	0.02	-39.55	39.43
	59	10.73	14.75	-21.54	-0.01	0.97	-1.42
	37	-1011.95	-663.76	-671.10	0.30	987.12	-985.27
	8	54.36	39.34	9.28	0.02	-39.55	39.43
	25	-1011.98	-662.98	-671.64	0.29	987.35	-985.58
68	25	-1034.93	8.76	-938.23	-0.03	1393.82	-1.09
	8	60.80	-2.62	31.69	9.12e-03	-57.27	0.33
	25	-1034.93	8.76	-938.23	-0.03	1393.82	-1.09
	24	30.52	-8.76	4.36	0.03	-16.98	1.09
	20	60.80	-2.24	31.69	5.73e-03	-57.27	0.30
	37	-1034.94	7.46	-938.23	-0.02	1393.82	-1.01
69	37	-1004.31	672.81	-665.26	-0.33	985.51	981.66
	20	52.06	-42.29	7.37	-8.90e-03	-39.00	-38.25
	25	-1004.28	673.58	-664.73	-0.33	985.28	981.35
	56	10.73	-14.75	-21.54	0.01	0.97	1.42
	12	52.06	-42.29	7.36	-8.20e-03	-39.00	-38.25
	33	-1004.31	672.81	-665.26	-0.33	985.51	981.66
70	32	202.54	35.94	-150.23	-3.56	-1.35	-37.12
	58	-2.00	-0.68	-33.22	0.01	-0.07	1.16
	30	195.38	42.50	-150.23	-3.56	-1.35	-26.60
	1	-2.34e-06	0.0	-43.19	0.02	-0.09	0.0
	36	202.54	35.94	-150.23	-3.56	-1.35	-37.12
	62	-2.00	-0.68	-33.22	0.01	-0.07	1.16
71	36	425.72	435.79	-329.37	7.12	47.28	-112.81
	37	-1028.64	698.38	624.75	0.34	-984.34	980.38
	56	-13.58	10.82	-18.97	-1.69e-03	0.20	0.15
	34	418.39	440.69	-324.72	7.12	40.20	-105.76
	33	-1028.64	698.38	624.75	0.34	-984.34	980.38
	12	158.11	113.73	-137.68	2.13	52.17	-71.76
72	24	-1065.50	-8.76	-464.50	-0.03	34.63	1.09
	25	-1067.96	8.76	923.65	0.03	-1391.22	-1.09
	24	-1065.50	-8.76	-464.50	-0.03	34.63	1.09
	25	-1067.96	8.76	923.65	0.03	-1391.22	-1.09
	37	-1067.97	7.46	923.64	0.02	-1391.22	-1.01
	20	-291.13	-2.24	-179.94	-5.73e-03	64.38	0.30

# RISULTATI ELEMENTI TIPO SHELL

## LEGENDA RISULTATI ELEMENTI TIPO SHELL

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo shell, è possibile in relazione alle tabelle sottoriportate. Per ogni elemento, e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.



In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

<b>tensione di Von Mises</b>	(valore riassuntivo del complessivo stato di sollecitazione)
<b>N max</b>	sforzo membranale principale massimo
<b>N min</b>	sforzo membranale principale minimo
<b>M max</b>	sforzo flessionale principale massimo
<b>M min</b>	sforzo flessionale principale minimo
<b>N1</b>	<b>N2</b>
<b>N1-2</b>	<b>M1</b>
<b>M2</b>	<b>M1-2</b>
	sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento (lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni tangenziali)

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.

In questo caso gli elementi vengono raggruppati in gruppi (M\_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi.

I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di  $\alpha_0$  attorno all'asse Z per i gusci e ruotata di  $\alpha_v$  attorno alla normale (che per definizione è orizzontale) al piano del setto.

Per i setti, in particolare, se  $\alpha_v$  è zero, l'asse '1-1 rappresenta la verticale e l'asse '2-2 l'orizzontale contenuta nel setto.

Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

<b>N memb.</b>	Azione membranale complessiva agente sulla parete in direzione Z
<b>V memb.</b>	Azione complessiva di taglio agente nel piano del macroelemento
<b>V orto</b>	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
<b>M memb.</b>	Azione flessionale complessiva agente nel piano del macroelemento
<b>M orto</b>	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento
<b>T</b>	Azione torsionale complessiva agente nel piano orizzontale

Macro	Tipo	Angolo 1-X (gradi)
1	Guscio	0.0

M_G	Cmb	Nodo	N max daN/cm	N min daN/cm	N 1 daN/cm	N 2 daN/cm	N 1-2 daN/cm	M max daN	M min daN	M 1 daN	M 2 daN	M 1-2 daN
1	1	1	1.28	-0.39	0.59	0.30	-0.82	5.31e-02	-1.16e-03	5.18e-02	1.71e-04	8.38e-03
1	1	2	0.41	-0.85	2.02e-03	-0.45	-0.59	-2.32e-02	-3.35e-02	-2.57e-02	-3.09e-02	-4.46e-03
1	1	3	0.96	-0.61	9.37e-02	0.26	-0.78	2.95e-02	-1.96e-03	-3.56e-04	2.79e-02	6.92e-03
1	1	4	0.56	-1.07	-0.29	-0.23	-0.81	3.28e-02	1.56e-02	3.07e-02	1.77e-02	-5.65e-03
1	1	17	0.14	-0.65	-0.15	-0.37	-0.38	-8.53e-04	-3.95e-03	-3.92e-03	-8.81e-04	2.94e-04
1	1	18	0.63	-0.43	6.39e-02	0.14	-0.53	-2.09e-03	-3.08e-03	-2.97e-03	-2.20e-03	-3.08e-04
1	1	25	-0.10	-0.50	-0.25	-0.35	-0.19	-2.25e-03	-2.47e-03	-2.30e-03	-2.42e-03	8.59e-05
1	1	26	0.36	-0.17	5.53e-02	0.13	-0.26	-5.68e-04	-3.45e-03	-3.45e-03	-5.76e-04	-1.46e-04
1	1	33	-0.28	-0.35	-0.28	-0.35		-2.11e-03	-2.70e-03	-2.11e-03	-2.70e-03	
1	1	34	0.13	5.46e-02	5.46e-02	0.13		-3.97e-04	-3.65e-03	-3.65e-03	-3.97e-04	
1	1	41	-0.10	-0.50	-0.25	-0.35	0.19	-2.25e-03	-2.47e-03	-2.30e-03	-2.42e-03	-8.59e-05
1	1	42	0.36	-0.17	5.53e-02	0.13	0.26	-5.68e-04	-3.45e-03	-3.45e-03	-5.76e-04	1.46e-04
1	1	49	0.14	-0.65	-0.15	-0.37	0.38	-8.53e-04	-3.95e-03	-3.92e-03	-8.81e-04	-2.94e-04
1	1	50	0.63	-0.43	6.39e-02	0.14	0.53	-2.09e-03	-3.08e-03	-2.97e-03	-2.20e-03	3.08e-04
1	1	57	0.41	-0.85	2.02e-03	-0.45	0.59	-2.32e-02	-3.35e-02	-2.57e-02	-3.09e-02	4.46e-03
1	1	58	0.96	-0.61	9.37e-02	0.26	0.78	2.95e-02	-1.96e-03	-3.56e-04	2.79e-02	-6.92e-03
1	1	65	1.28	-0.39	0.59	0.30	0.82	5.31e-02	-1.16e-03	5.18e-02	1.71e-04	-8.38e-03
1	1	66	0.56	-1.07	-0.29	-0.23	0.81	3.28e-02	1.56e-02	3.07e-02	1.77e-02	5.65e-03
1	2	1	1.28	-0.39	0.59	0.30	-0.82	5.31e-02	-1.16e-03	5.18e-02	1.71e-04	8.38e-03
1	2	2	0.41	-0.85	2.02e-03	-0.45	-0.59	-2.32e-02	-3.35e-02	-2.57e-02	-3.09e-02	-4.46e-03
1	2	3	0.96	-0.61	9.37e-02	0.26	-0.78	2.95e-02	-1.96e-03	-3.56e-04	2.79e-02	6.92e-03
1	2	4	0.56	-1.07	-0.29	-0.23	-0.81	3.28e-02	1.56e-02	3.07e-02	1.77e-02	-5.65e-03
1	2	17	0.14	-0.65	-0.15	-0.37	-0.38	-8.53e-04	-3.95e-03	-3.92e-03	-8.81e-04	2.94e-04
1	2	18	0.63	-0.43	6.39e-02	0.14	-0.53	-2.09e-03	-3.08e-03	-2.97e-03	-2.20e-03	-3.08e-04
1	2	25	-0.10	-0.50	-0.25	-0.35	-0.19	-2.25e-03	-2.47e-03	-2.30e-03	-2.42e-03	8.59e-05
1	2	26	0.36	-0.17	5.53e-02	0.13	-0.26	-5.68e-04	-3.45e-03	-3.45e-03	-5.76e-04	-1.46e-04
1	2	33	-0.28	-0.35	-0.28	-0.35		-2.11e-03	-2.70e-03	-2.11e-03	-2.70e-03	
1	2	34	0.13	5.46e-02	5.46e-02	0.13		-3.97e-04	-3.65e-03	-3.65e-03	-3.97e-04	
1	2	41	-0.10	-0.50	-0.25	-0.35	0.19	-2.25e-03	-2.47e-03	-2.30e-03	-2.42e-03	-8.59e-05
1	2	42	0.36	-0.17	5.53e-02	0.13	0.26	-5.68e-04	-3.45e-03	-3.45e-03	-5.76e-04	1.46e-04
1	2	49	0.14	-0.65	-0.15	-0.37	0.38	-8.53e-04	-3.95e-03	-3.92e-03	-8.81e-04	-2.94e-04
1	2	50	0.63	-0.43	6.39e-02	0.14	0.53	-2.09e-03	-3.08e-03	-2.97e-03	-2.20e-03	3.08e-04
1	2	57	0.41	-0.85	2.02e-03	-0.45	0.59	-2.32e-02	-3.35e-02	-2.57e-02	-3.09e-02	4.46e-03
1	2	58	0.96	-0.61	9.37e-02	0.26	0.78	2.95e-02	-1.96e-03	-3.56e-04	2.79e-02	-6.92e-03
1	2	65	1.28	-0.39	0.59	0.30	0.82	5.31e-02	-1.16e-03	5.18e-02	1.71e-04	-8.38e-03
1	2	66	0.56	-1.07	-0.29	-0.23	0.81	3.28e-02	1.56e-02	3.07e-02	1.77e-02	5.65e-03
1	3	1	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
1	3	2	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
1	3	3	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
1	3	4	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
1	3	17	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
1	3	18	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
1	3	25	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
1	3	26	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
1	3	33	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
1	3	34	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
1	3	41	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
1	3	42	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
1	3	49	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
1	3	50	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
1	3	57	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
1	3	58	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
1	3	65	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
1	3	66	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
1	4	1	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
1	4	2	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
1	4	3	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
1	4	4	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
1	4	17	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
1	4	18	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
1	4	25	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
1	4	26	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
1	4	33	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
1	4	34	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
1	4	41	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
1	4	42	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
1	4	49	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
1	4	50	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04

1	4	57	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
1	4	58	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
1	4	65	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
1	4	66	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
1	5	1	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
1	5	2	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
1	5	3	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
1	5	4	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
1	5	17	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
1	5	18	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
1	5	25	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
1	5	26	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
1	5	33	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
1	5	34	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
1	5	41	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
1	5	42	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
1	5	49	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
1	5	50	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
1	5	57	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
1	5	58	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
1	5	65	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
1	5	66	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
1	6	1	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
1	6	2	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
1	6	3	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
1	6	4	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
1	6	17	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
1	6	18	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
1	6	25	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
1	6	26	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
1	6	33	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
1	6	34	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
1	6	41	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
1	6	42	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
1	6	49	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
1	6	50	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
1	6	57	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
1	6	58	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
1	6	65	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
1	6	66	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
1	7	1	9.31	-3.81	5.54	-3.20e-02	5.94	-0.72	-3.67	-3.64	-0.74	-0.25
1	7	2	28.62	4.67	4.95	28.34	-2.57	1.72	0.31	1.71	0.31	9.45e-02
1	7	3	29.07	4.89	4.96	29.00	1.34	1.75	0.37	1.75	0.38	-8.76e-02
1	7	4	9.77	-5.86	4.44	-0.52	-7.41	-0.71	-3.72	-3.70	-0.73	0.25
1	7	17	28.19	4.78	4.80	28.16	-0.79	8.06e-02	1.23e-02	7.92e-02	1.36e-02	9.62e-03
1	7	18	28.63	5.05	5.05	28.63	-1.90e-02	8.90e-02	2.53e-02	8.85e-02	2.58e-02	-5.81e-03
1	7	25	27.62	4.72	4.72	27.62	-0.13	1.19e-02	-3.36e-03	1.00e-02	-1.46e-03	-5.04e-03
1	7	26	28.07	5.10	5.10	28.06	-0.27	2.24e-02	8.38e-03	1.59e-02	1.49e-02	6.98e-03
1	7	33	27.57	4.69	4.69	27.57	1.68e-03	2.02e-02	-1.63e-05	2.02e-02	-1.63e-05	2.38e-05
1	7	34	28.00	5.12	5.12	28.00	1.68e-03	2.54e-02	1.79e-02	2.54e-02	1.79e-02	-3.75e-05
1	7	41	27.62	4.72	4.72	27.62	0.13	1.19e-02	-3.42e-03	9.94e-03	-1.51e-03	5.05e-03
1	7	42	28.06	5.10	5.10	28.06	0.27	2.23e-02	8.34e-03	1.58e-02	1.48e-02	-6.98e-03
1	7	49	28.18	4.77	4.80	28.15	0.79	8.03e-02	1.22e-02	7.89e-02	1.36e-02	-9.63e-03
1	7	50	28.62	5.04	5.04	28.62	1.88e-02	8.87e-02	2.52e-02	8.82e-02	2.57e-02	5.80e-03
1	7	57	28.62	4.66	4.94	28.34	2.57	1.72	0.31	1.71	0.31	-9.45e-02
1	7	58	29.07	4.88	4.96	28.99	-1.35	1.75	0.37	1.75	0.38	8.76e-02
1	7	65	9.32	-3.81	5.54	-3.22e-02	-5.94	-0.72	-3.67	-3.64	-0.74	0.25
1	7	66	9.77	-5.85	4.44	-0.53	7.41	-0.71	-3.72	-3.70	-0.73	-0.25
1	8	1	1.80	-6.69	-4.50	-0.39	-3.72	9.70e-02	-7.25e-02	8.70e-02	-6.25e-02	-4.00e-02
1	8	2	-1.80	-7.51	-3.34	-5.97	-2.53	6.23e-02	-0.29	-0.27	4.43e-02	7.70e-02
1	8	3	-0.23	-4.88	-0.48	-4.63	-1.04	2.07e-02	-0.41	-0.31	-8.14e-02	-0.18
1	8	4	-6.43e-02	-1.64	-1.24	-0.47	-0.69	0.55	0.15	0.55	0.15	-9.63e-03
1	8	17	0.36	-6.46	-0.47	-5.62	-2.24	0.65	0.21	0.21	0.65	1.96e-02
1	8	18	-0.77	-4.31	-0.79	-4.29	-0.23	1.55e-02	-0.34	-5.09e-02	-0.27	-0.14
1	8	25	1.41	-5.68	1.20	-5.47	-1.22	0.90	0.28	0.28	0.90	5.13e-03
1	8	26	-0.80	-4.15	-0.80	-4.15	-3.44e-02	-4.12e-02	-0.39	-5.76e-02	-0.37	-7.34e-02
1	8	33	1.74	-5.45	1.74	-5.45	-1.70e-03	0.99	0.30	0.30	0.99	2.18e-05
1	8	34	-0.78	-4.13	-0.78	-4.13	-1.70e-03	-6.58e-02	-0.41	-6.58e-02	-0.41	5.77e-05
1	8	41	1.42	-5.68	1.20	-5.46	1.22	0.90	0.28	0.28	0.90	-5.10e-03
1	8	42	-0.80	-4.14	-0.80	-4.14	3.21e-02	-4.11e-02	-0.39	-5.75e-02	-0.37	7.34e-02
1	8	49	0.36	-6.45	-0.47	-5.62	2.24	0.65	0.21	0.21	0.65	-1.96e-02
1	8	50	-0.77	-4.30	-0.78	-4.28	0.23	1.58e-02	-0.34	-5.05e-02	-0.27	0.14
1	8	57	-1.80	-7.50	-3.34	-5.96	2.53	6.23e-02	-0.29	-0.27	4.43e-02	-7.71e-02
1	8	58	-0.23	-4.88	-0.48	-4.63	1.04	2.08e-02	-0.41	-0.31	-8.13e-02	0.18
1	8	65	1.81	-6.70	-4.50	-0.39	3.72	9.66e-02	-7.26e-02	8.65e-02	-6.26e-02	4.00e-02
1	8	66	-6.12e-02	-1.64	-1.24	-0.47	0.69	0.55	0.15	0.55	0.15	9.63e-03
1	9	1	10.19	-4.24	6.01	-5.63e-02	6.54	-0.78	-4.01	-3.98	-0.81	-0.27

1	9	2	31.28	5.11	5.40	30.99	-2.77	1.88	0.34	1.87	0.35	0.10
1	9	3	31.74	5.32	5.41	31.65	1.52	1.91	0.41	1.91	0.41	-9.62e-02
1	9	4	10.64	-6.33	4.87	-0.56	-8.04	-0.78	-4.07	-4.05	-0.80	0.28
1	9	17	30.81	5.23	5.26	30.78	-0.84	8.83e-02	1.35e-02	8.68e-02	1.50e-02	1.05e-02
1	9	18	31.26	5.51	5.51	31.26	1.54e-02	9.75e-02	2.78e-02	9.69e-02	2.84e-02	-6.33e-03
1	9	25	30.20	5.17	5.17	30.20	-0.13	1.32e-02	-3.52e-03	1.11e-02	-1.43e-03	-5.53e-03
1	9	26	30.65	5.57	5.57	30.64	-0.27	2.46e-02	9.30e-03	1.76e-02	1.63e-02	7.63e-03
1	9	33	30.14	5.14	5.14	30.14	1.70e-03	2.23e-02	1.94e-04	2.23e-02	1.94e-04	-2.18e-05
1	9	34	30.58	5.59	5.59	30.58	1.70e-03	2.81e-02	1.95e-02	2.81e-02	1.95e-02	-5.77e-05
1	9	41	30.19	5.17	5.17	30.19	0.13	1.31e-02	-3.54e-03	1.10e-02	-1.46e-03	5.50e-03
1	9	42	30.64	5.56	5.57	30.64	0.27	2.45e-02	9.22e-03	1.75e-02	1.63e-02	-7.63e-03
1	9	49	30.80	5.23	5.25	30.78	0.84	8.81e-02	1.34e-02	8.66e-02	1.49e-02	-1.05e-02
1	9	50	31.25	5.50	5.50	31.25	-1.56e-02	9.71e-02	2.77e-02	9.66e-02	2.83e-02	6.31e-03
1	9	57	31.28	5.10	5.40	30.98	2.77	1.88	0.34	1.87	0.35	-0.10
1	9	58	31.73	5.32	5.41	31.65	-1.52	1.91	0.41	1.91	0.41	9.62e-02
1	9	65	10.19	-4.24	6.01	-5.63e-02	-6.55	-0.78	-4.01	-3.98	-0.81	0.27
1	9	66	10.63	-6.32	4.87	-0.56	8.03	-0.78	-4.07	-4.04	-0.80	-0.28
1	10	1	1.38	-5.83	-4.03	-0.42	-3.11	-0.10	-0.28	-0.25	-0.13	-6.33e-02
1	10	2	-0.37	-5.84	-2.88	-3.33	-2.73	0.11	-0.14	-0.11	7.54e-02	8.61e-02
1	10	3	0.30	-2.31	-3.20e-02	-1.98	-0.86	0.10	-0.29	-0.15	-4.83e-02	-0.19
1	10	4	0.67	-1.98	-0.81	-0.50	-1.31	0.21	8.10e-02	0.21	8.25e-02	1.41e-02
1	10	17	1.22	-4.24	-2.08e-02	-3.00	-2.28	0.65	0.22	0.22	0.65	2.05e-02
1	10	18	-0.30	-1.69	-0.33	-1.66	-0.19	2.33e-02	-0.34	-4.24e-02	-0.27	-0.14
1	10	25	1.96	-3.20	1.65	-2.90	-1.22	0.90	0.28	0.28	0.90	4.64e-03
1	10	26	-0.33	-1.57	-0.33	-1.57	-4.11e-02	-3.97e-02	-0.39	-5.58e-02	-0.37	-7.28e-02
1	10	33	2.19	-2.88	2.19	-2.88	-1.68e-03	0.99	0.30	0.30	0.99	-2.38e-05
1	10	34	-0.31	-1.55	-0.31	-1.55	-1.68e-03	-6.31e-02	-0.41	-6.31e-02	-0.41	3.75e-05
1	10	41	1.96	-3.20	1.65	-2.89	1.22	0.90	0.28	0.28	0.90	-4.65e-03
1	10	42	-0.33	-1.56	-0.33	-1.56	3.88e-02	-3.97e-02	-0.39	-5.58e-02	-0.37	7.28e-02
1	10	49	1.22	-4.23	-1.81e-02	-2.99	2.28	0.65	0.22	0.22	0.65	-2.05e-02
1	10	50	-0.29	-1.68	-0.32	-1.65	0.19	2.35e-02	-0.34	-4.21e-02	-0.27	0.14
1	10	57	-0.36	-5.84	-2.88	-3.32	2.73	0.11	-0.14	-0.11	7.55e-02	-8.61e-02
1	10	58	0.30	-2.30	-2.92e-02	-1.97	0.87	0.10	-0.29	-0.15	-4.83e-02	0.19
1	10	65	1.38	-5.83	-4.03	-0.42	3.12	-0.10	-0.28	-0.25	-0.13	6.33e-02
1	10	66	0.67	-1.98	-0.81	-0.50	1.32	0.21	8.09e-02	0.21	8.24e-02	-1.41e-02
1	11	1	9.32	-3.81	5.54	-3.21e-02	5.94	-0.72	-3.67	-3.64	-0.74	-0.25
1	11	2	28.62	4.66	4.94	28.34	-2.57	1.72	0.31	1.71	0.31	9.45e-02
1	11	3	29.07	4.88	4.96	28.99	1.35	1.75	0.37	1.75	0.38	-8.76e-02
1	11	4	9.77	-5.85	4.44	-0.53	-7.41	-0.71	-3.72	-3.70	-0.73	0.25
1	11	17	28.18	4.77	4.80	28.15	-0.79	8.03e-02	1.22e-02	7.89e-02	1.36e-02	9.64e-03
1	11	18	28.62	5.04	5.04	28.62	-1.88e-02	8.87e-02	2.52e-02	8.81e-02	2.57e-02	-5.80e-03
1	11	25	27.62	4.72	4.72	27.62	-0.13	1.18e-02	-3.40e-03	9.94e-03	-1.50e-03	-5.03e-03
1	11	26	28.06	5.10	5.10	28.06	-0.27	2.23e-02	8.32e-03	1.58e-02	1.48e-02	6.98e-03
1	11	33	27.57	4.69	4.69	27.57	-1.72e-03	2.02e-02	-1.50e-05	2.02e-02	-1.49e-05	2.18e-05
1	11	34	28.00	5.12	5.12	28.00	-1.72e-03	2.54e-02	1.79e-02	2.54e-02	1.79e-02	5.77e-05
1	11	41	27.62	4.72	4.72	27.62	0.13	1.20e-02	-3.38e-03	1.00e-02	-1.47e-03	5.06e-03
1	11	42	28.07	5.10	5.10	28.06	0.27	2.24e-02	8.40e-03	1.59e-02	1.49e-02	-6.98e-03
1	11	49	28.19	4.78	4.80	28.16	0.79	8.06e-02	1.23e-02	7.92e-02	1.36e-02	-9.61e-03
1	11	50	28.63	5.05	5.05	28.63	1.90e-02	8.90e-02	2.53e-02	8.85e-02	2.58e-02	5.81e-03
1	11	57	28.62	4.67	4.95	28.34	2.57	1.72	0.31	1.71	0.31	-9.45e-02
1	11	58	29.07	4.89	4.96	29.00	-1.34	1.75	0.37	1.75	0.38	8.76e-02
1	11	65	9.31	-3.81	5.54	-3.20e-02	-5.94	-0.72	-3.67	-3.65	-0.74	0.25
1	11	66	9.77	-5.86	4.44	-0.52	7.41	-0.71	-3.72	-3.70	-0.73	-0.25
1	12	1	1.81	-6.70	-4.50	-0.39	-3.72	9.66e-02	-7.26e-02	8.65e-02	-6.26e-02	-4.00e-02
1	12	2	-1.80	-7.50	-3.33	-5.96	-2.53	6.23e-02	-0.29	-0.27	4.43e-02	7.71e-02
1	12	3	-0.23	-4.88	-0.48	-4.63	-1.04	2.08e-02	-0.41	-0.31	-8.13e-02	-0.18
1	12	4	-6.10e-02	-1.64	-1.24	-0.47	-0.69	0.55	0.15	0.55	0.15	-9.63e-03
1	12	17	0.36	-6.45	-0.47	-5.62	-2.24	0.65	0.21	0.21	0.65	1.96e-02
1	12	18	-0.77	-4.30	-0.78	-4.28	-0.23	1.58e-02	-0.34	-5.05e-02	-0.27	-0.14
1	12	25	1.42	-5.68	1.20	-5.46	-1.22	0.90	0.28	0.28	0.90	5.12e-03
1	12	26	-0.80	-4.14	-0.80	-4.14	-3.21e-02	-4.11e-02	-0.39	-5.75e-02	-0.37	-7.34e-02
1	12	33	1.74	-5.45	1.74	-5.45	1.70e-03	0.99	0.30	0.30	0.99	2.37e-05
1	12	34	-0.78	-4.13	-0.78	-4.13	1.70e-03	-6.58e-02	-0.41	-6.58e-02	-0.41	-3.75e-05
1	12	41	1.41	-5.68	1.20	-5.47	1.22	0.90	0.28	0.28	0.90	-5.11e-03
1	12	42	-0.80	-4.15	-0.80	-4.15	3.44e-02	-4.12e-02	-0.39	-5.76e-02	-0.37	7.34e-02
1	12	49	0.36	-6.46	-0.47	-5.62	2.24	0.65	0.21	0.21	0.65	-1.96e-02
1	12	50	-0.77	-4.31	-0.79	-4.29	0.23	1.55e-02	-0.34	-5.08e-02	-0.27	0.14
1	12	57	-1.80	-7.51	-3.34	-5.97	2.53	6.23e-02	-0.29	-0.27	4.43e-02	-7.71e-02
1	12	58	-0.23	-4.88	-0.48	-4.63	1.04	2.07e-02	-0.41	-0.31	-8.14e-02	0.18
1	12	65	1.80	-6.69	-4.50	-0.39	3.72	9.70e-02	-7.25e-02	8.69e-02	-6.25e-02	4.00e-02
1	12	66	-6.44e-02	-1.64	-1.24	-0.47	0.69	0.55	0.15	0.55	0.15	9.63e-03
1	13	1	10.19	-4.24	6.01	-5.64e-02	6.55	-0.78	-4.01	-3.98	-0.81	-0.27
1	13	2	31.28	5.10	5.40	30.98	-2.77	1.88	0.34	1.87	0.35	0.10
1	13	3	31.74	5.32	5.41	31.65	1.52	1.91	0.41	1.91	0.41	-9.62e-02
1	13	4	10.63	-6.32	4.87	-0.56	-8.03	-0.78	-4.07	-4.04	-0.80	0.28
1	13	17	30.80	5.23	5.25	30.78	-0.84	8.81e-02	1.34e-02	8.66e-02	1.49e-02	1.05e-02
1	13	18	31.25	5.50	5.50	31.25	1.56e-02	9.72e-02	2.77e-02	9.66e-02	2.83e-02	-6.32e-03

1	13	25	30.19	5.17	5.17	30.19	-0.13	1.31e-02	-3.56e-03	1.10e-02	-1.47e-03	-5.52e-03
1	13	26	30.64	5.56	5.57	30.64	-0.27	2.46e-02	9.24e-03	1.75e-02	1.63e-02	7.63e-03
1	13	33	30.14	5.14	5.14	30.14	-1.70e-03	2.23e-02	1.95e-04	2.23e-02	1.95e-04	-2.37e-05
1	13	34	30.58	5.59	5.59	30.58	-1.70e-03	2.81e-02	1.96e-02	2.81e-02	1.96e-02	3.75e-05
1	13	41	30.20	5.17	5.17	30.20	0.13	1.32e-02	-3.50e-03	1.11e-02	-1.42e-03	5.51e-03
1	13	42	30.65	5.57	5.57	30.64	0.27	2.46e-02	9.28e-03	1.76e-02	1.63e-02	-7.63e-03
1	13	49	30.81	5.23	5.26	30.78	0.84	8.83e-02	1.35e-02	8.68e-02	1.50e-02	-1.05e-02
1	13	50	31.26	5.51	5.51	31.26	-1.54e-02	9.75e-02	2.78e-02	9.69e-02	2.84e-02	6.32e-03
1	13	57	31.28	5.11	5.40	30.99	2.77	1.88	0.34	1.87	0.35	-0.10
1	13	58	31.74	5.32	5.41	31.65	-1.52	1.91	0.41	1.91	0.41	9.62e-02
1	13	65	10.19	-4.24	6.01	-5.62e-02	-6.54	-0.78	-4.01	-3.98	-0.81	0.27
1	13	66	10.64	-6.33	4.87	-0.56	8.04	-0.78	-4.07	-4.05	-0.80	-0.28
1	14	1	1.38	-5.83	-4.03	-0.42	-3.12	-0.10	-0.28	-0.25	-0.13	-6.33e-02
1	14	2	-0.36	-5.84	-2.88	-3.32	-2.73	0.11	-0.14	-0.11	7.55e-02	8.61e-02
1	14	3	0.30	-2.30	-2.97e-02	-1.97	-0.87	0.10	-0.29	-0.15	-4.83e-02	-0.19
1	14	4	0.67	-1.98	-0.81	-0.50	-1.32	0.21	8.09e-02	0.21	8.24e-02	1.41e-02
1	14	17	1.22	-4.23	-1.86e-02	-2.99	-2.28	0.65	0.22	0.22	0.65	2.05e-02
1	14	18	-0.30	-1.68	-0.32	-1.65	-0.19	2.35e-02	-0.34	-4.21e-02	-0.27	-0.14
1	14	25	1.96	-3.20	1.65	-2.89	-1.22	0.90	0.28	0.28	0.90	4.63e-03
1	14	26	-0.33	-1.56	-0.33	-1.56	-3.88e-02	-3.97e-02	-0.38	-5.57e-02	-0.37	-7.28e-02
1	14	33	2.19	-2.88	2.19	-2.88	1.72e-03	0.99	0.30	0.30	0.99	-2.18e-05
1	14	34	-0.31	-1.55	-0.31	-1.55	1.72e-03	-6.31e-02	-0.41	-6.31e-02	-0.41	-5.77e-05
1	14	41	1.96	-3.20	1.65	-2.90	1.22	0.90	0.28	0.28	0.90	-4.66e-03
1	14	42	-0.33	-1.57	-0.33	-1.57	4.11e-02	-3.98e-02	-0.39	-5.59e-02	-0.37	7.28e-02
1	14	49	1.22	-4.24	-2.02e-02	-3.00	2.28	0.65	0.22	0.22	0.65	-2.05e-02
1	14	50	-0.30	-1.69	-0.33	-1.66	0.19	2.32e-02	-0.34	-4.24e-02	-0.27	0.14
1	14	57	-0.37	-5.84	-2.88	-3.33	2.73	0.11	-0.14	-0.11	7.54e-02	-8.61e-02
1	14	58	0.30	-2.31	-3.15e-02	-1.98	0.86	0.10	-0.29	-0.15	-4.83e-02	0.19
1	14	65	1.38	-5.83	-4.03	-0.42	3.11	-0.10	-0.28	-0.25	-0.13	6.33e-02
1	14	66	0.67	-1.98	-0.81	-0.50	1.31	0.21	8.10e-02	0.21	8.25e-02	-1.41e-02
1	15	1	9.31	-3.81	5.54	-3.20e-02	5.94	-0.72	-3.67	-3.64	-0.74	-0.25
1	15	2	28.62	4.67	4.95	28.34	-2.57	1.72	0.31	1.71	0.31	9.45e-02
1	15	3	29.07	4.89	4.96	29.00	1.34	1.75	0.37	1.75	0.38	-8.76e-02
1	15	4	9.77	-5.86	4.44	-0.52	-7.41	-0.71	-3.72	-3.70	-0.73	0.25
1	15	17	28.19	4.78	4.80	28.16	-0.79	8.06e-02	1.23e-02	7.92e-02	1.36e-02	9.61e-03
1	15	18	28.63	5.05	5.05	28.63	-1.90e-02	8.90e-02	2.53e-02	8.85e-02	2.58e-02	-5.81e-03
1	15	25	27.62	4.72	4.72	27.62	-0.13	1.19e-02	-3.37e-03	1.00e-02	-1.46e-03	-5.06e-03
1	15	26	28.07	5.10	5.10	28.06	-0.27	2.24e-02	8.38e-03	1.59e-02	1.49e-02	6.98e-03
1	15	33	27.57	4.69	4.69	27.57	1.69e-03	2.02e-02	-1.63e-05	2.02e-02	-1.62e-05	-1.99e-05
1	15	34	28.00	5.12	5.12	28.00	1.69e-03	2.54e-02	1.79e-02	2.54e-02	1.79e-02	-5.85e-05
1	15	41	27.62	4.72	4.72	27.62	0.13	1.18e-02	-3.40e-03	9.95e-03	-1.51e-03	5.03e-03
1	15	42	28.06	5.10	5.10	28.06	0.27	2.23e-02	8.34e-03	1.58e-02	1.48e-02	-6.98e-03
1	15	49	28.18	4.77	4.80	28.15	0.79	8.03e-02	1.22e-02	7.89e-02	1.36e-02	-9.64e-03
1	15	50	28.62	5.04	5.04	28.62	1.88e-02	8.87e-02	2.52e-02	8.82e-02	2.57e-02	5.80e-03
1	15	57	28.62	4.66	4.94	28.34	2.57	1.72	0.31	1.71	0.31	-9.45e-02
1	15	58	29.07	4.88	4.96	28.99	-1.35	1.75	0.37	1.75	0.38	8.76e-02
1	15	65	9.32	-3.81	5.54	-3.22e-02	-5.94	-0.72	-3.67	-3.64	-0.74	0.25
1	15	66	9.77	-5.85	4.44	-0.53	7.41	-0.71	-3.72	-3.70	-0.73	-0.25
1	16	1	1.80	-6.69	-4.50	-0.39	-3.72	9.70e-02	-7.25e-02	8.70e-02	-6.25e-02	-4.00e-02
1	16	2	-1.80	-7.51	-3.34	-5.97	-2.53	6.23e-02	-0.29	-0.27	4.43e-02	7.71e-02
1	16	3	-0.23	-4.88	-0.48	-4.63	-1.04	2.07e-02	-0.41	-0.31	-8.14e-02	-0.18
1	16	4	-6.43e-02	-1.64	-1.24	-0.47	-0.69	0.55	0.15	0.55	0.15	-9.63e-03
1	16	17	0.36	-6.46	-0.47	-5.62	-2.24	0.65	0.21	0.21	0.65	1.96e-02
1	16	18	-0.77	-4.31	-0.79	-4.29	-0.23	1.55e-02	-0.34	-5.09e-02	-0.27	-0.14
1	16	25	1.41	-5.68	1.20	-5.47	-1.22	0.90	0.28	0.28	0.90	5.11e-03
1	16	26	-0.80	-4.15	-0.80	-4.15	-3.44e-02	-4.12e-02	-0.39	-5.76e-02	-0.37	-7.34e-02
1	16	33	1.74	-5.45	1.74	-5.45	-1.70e-03	0.99	0.30	0.30	0.99	-2.18e-05
1	16	34	-0.78	-4.13	-0.78	-4.13	-1.70e-03	-6.58e-02	-0.41	-6.58e-02	-0.41	3.67e-05
1	16	41	1.42	-5.68	1.20	-5.46	1.22	0.90	0.28	0.28	0.90	-5.12e-03
1	16	42	-0.80	-4.14	-0.80	-4.14	3.21e-02	-4.11e-02	-0.39	-5.75e-02	-0.37	7.34e-02
1	16	49	0.36	-6.45	-0.47	-5.62	2.24	0.65	0.21	0.21	0.65	-1.96e-02
1	16	50	-0.77	-4.30	-0.78	-4.28	0.23	1.58e-02	-0.34	-5.05e-02	-0.27	0.14
1	16	57	-1.80	-7.50	-3.34	-5.96	2.53	6.23e-02	-0.29	-0.27	4.43e-02	-7.71e-02
1	16	58	-0.23	-4.88	-0.48	-4.63	1.04	2.08e-02	-0.41	-0.31	-8.13e-02	0.18
1	16	65	1.81	-6.70	-4.50	-0.39	3.72	9.66e-02	-7.26e-02	8.65e-02	-6.26e-02	4.00e-02
1	16	66	-6.12e-02	-1.64	-1.24	-0.47	0.69	0.55	0.15	0.55	0.15	9.63e-03
1	17	1	10.19	-4.24	6.01	-5.63e-02	6.54	-0.78	-4.01	-3.98	-0.81	-0.27
1	17	2	31.28	5.11	5.40	30.99	-2.77	1.88	0.34	1.87	0.35	0.10
1	17	3	31.74	5.32	5.41	31.65	1.52	1.91	0.41	1.91	0.41	-9.62e-02
1	17	4	10.64	-6.33	4.87	-0.56	-8.04	-0.78	-4.07	-4.05	-0.80	0.28
1	17	17	30.81	5.23	5.26	30.78	-0.84	8.83e-02	1.35e-02	8.68e-02	1.50e-02	1.05e-02
1	17	18	31.26	5.51	5.51	31.26	1.54e-02	9.75e-02	2.78e-02	9.69e-02	2.84e-02	-6.32e-03
1	17	25	30.20	5.17	5.17	30.20	-0.13	1.32e-02	-3.50e-03	1.11e-02	-1.43e-03	-5.51e-03
1	17	26	30.65	5.57	5.57	30.64	-0.27	2.46e-02	9.30e-03	1.76e-02	1.63e-02	7.63e-03
1	17	33	30.14	5.14	5.14	30.14	1.70e-03	2.23e-02	1.94e-04	2.23e-02	1.94e-04	2.18e-05
1	17	34	30.58	5.59	5.59	30.58	1.70e-03	2.81e-02	1.95e-02	2.81e-02	1.95e-02	-3.67e-05
1	17	41	30.19	5.17	5.17	30.19	0.13	1.31e-02	-3.55e-03	1.10e-02	-1.46e-03	5.52e-03

1	17	42	30.64	5.56	5.57	30.64	0.27	2.45e-02	9.22e-03	1.75e-02	1.63e-02	-7.64e-03
1	17	49	30.80	5.23	5.25	30.78	0.84	8.81e-02	1.34e-02	8.66e-02	1.49e-02	-1.05e-02
1	17	50	31.25	5.50	5.50	31.25	-1.56e-02	9.72e-02	2.77e-02	9.66e-02	2.83e-02	6.32e-03
1	17	57	31.28	5.10	5.40	30.98	2.77	1.88	0.34	1.87	0.35	-0.10
1	17	58	31.73	5.32	5.41	31.65	-1.52	1.91	0.41	1.91	0.41	9.62e-02
1	17	65	10.19	-4.24	6.01	-5.63e-02	-6.55	-0.78	-4.01	-3.98	-0.81	0.27
1	17	66	10.63	-6.32	4.87	-0.56	8.03	-0.78	-4.07	-4.04	-0.80	-0.28
1	18	1	1.38	-5.83	-4.03	-0.42	-3.11	-0.10	-0.28	-0.25	-0.13	-6.33e-02
1	18	2	-0.37	-5.84	-2.88	-3.33	-2.73	0.11	-0.14	-0.11	7.54e-02	8.61e-02
1	18	3	0.30	-2.31	-3.20e-02	-1.98	-0.86	0.10	-0.29	-0.15	-4.83e-02	-0.19
1	18	4	0.67	-1.98	-0.81	-0.50	-1.31	0.21	8.10e-02	0.21	8.25e-02	1.41e-02
1	18	17	1.22	-4.24	-2.08e-02	-3.00	-2.28	0.65	0.22	0.22	0.65	2.05e-02
1	18	18	-0.30	-1.69	-0.33	-1.66	-0.19	2.33e-02	-0.34	-4.24e-02	-0.27	-0.14
1	18	25	1.96	-3.20	1.65	-2.90	-1.22	0.90	0.28	0.28	0.90	4.66e-03
1	18	26	-0.33	-1.57	-0.33	-1.57	-4.11e-02	-3.97e-02	-0.39	-5.58e-02	-0.37	-7.28e-02
1	18	33	2.19	-2.88	2.19	-2.88	-1.69e-03	0.99	0.30	0.30	0.99	1.99e-05
1	18	34	-0.31	-1.55	-0.31	-1.55	-1.69e-03	-6.31e-02	-0.41	-6.31e-02	-0.41	5.85e-05
1	18	41	1.96	-3.20	1.65	-2.89	1.22	0.90	0.28	0.28	0.90	-4.63e-03
1	18	42	-0.33	-1.56	-0.33	-1.56	3.88e-02	-3.97e-02	-0.39	-5.58e-02	-0.37	7.28e-02
1	18	49	1.22	-4.23	-1.81e-02	-2.99	2.28	0.65	0.22	0.22	0.65	-2.05e-02
1	18	50	-0.29	-1.68	-0.32	-1.65	0.19	2.35e-02	-0.34	-4.21e-02	-0.27	0.14
1	18	57	-0.36	-5.84	-2.88	-3.32	2.73	0.11	-0.14	-0.11	7.55e-02	-8.61e-02
1	18	58	0.30	-2.30	-2.92e-02	-1.97	0.87	0.10	-0.29	-0.15	-4.83e-02	0.19
1	18	65	1.38	-5.83	-4.03	-0.42	3.12	-0.10	-0.28	-0.25	-0.13	6.33e-02
1	18	66	0.67	-1.98	-0.81	-0.50	1.32	0.21	8.09e-02	0.21	8.24e-02	-1.41e-02
1	19	1	9.32	-3.81	5.54	-3.21e-02	5.94	-0.72	-3.67	-3.64	-0.74	-0.25
1	19	2	28.62	4.66	4.94	28.34	-2.57	1.72	0.31	1.71	0.31	9.45e-02
1	19	3	29.07	4.88	4.96	28.99	1.35	1.75	0.37	1.75	0.38	-8.76e-02
1	19	4	9.77	-5.85	4.44	-0.53	-7.41	-0.71	-3.72	-3.70	-0.73	0.25
1	19	17	28.18	4.77	4.80	28.15	-0.79	8.03e-02	1.22e-02	7.89e-02	1.36e-02	9.63e-03
1	19	18	28.62	5.04	5.04	28.62	-1.88e-02	8.87e-02	2.52e-02	8.81e-02	2.57e-02	-5.80e-03
1	19	25	27.62	4.72	4.72	27.62	-0.13	1.18e-02	-3.41e-03	9.94e-03	-1.50e-03	-5.05e-03
1	19	26	28.06	5.10	5.10	28.06	-0.27	2.23e-02	8.32e-03	1.48e-02	1.48e-02	6.98e-03
1	19	33	27.57	4.69	4.69	27.57	-1.71e-03	2.02e-02	-1.49e-05	2.02e-02	-1.49e-05	-2.18e-05
1	19	34	28.00	5.12	5.12	28.00	-1.71e-03	2.54e-02	1.79e-02	2.54e-02	1.79e-02	3.67e-05
1	19	41	27.62	4.72	4.72	27.62	0.13	1.19e-02	-3.36e-03	1.00e-02	-1.47e-03	5.04e-03
1	19	42	28.07	5.10	5.10	28.06	0.27	2.24e-02	8.40e-03	1.59e-02	1.49e-02	-6.98e-03
1	19	49	28.19	4.78	4.80	28.16	0.79	8.06e-02	1.23e-02	7.92e-02	1.36e-02	-9.62e-03
1	19	50	28.63	5.05	5.05	28.63	1.90e-02	8.90e-02	2.53e-02	8.85e-02	2.58e-02	5.81e-03
1	19	57	28.62	4.67	4.95	28.34	2.57	1.72	0.31	1.71	0.31	-9.45e-02
1	19	58	29.07	4.89	4.96	29.00	-1.34	1.75	0.37	1.75	0.38	8.76e-02
1	19	65	9.31	-3.81	5.54	-3.20e-02	-5.94	-0.72	-3.67	-3.65	-0.74	0.25
1	19	66	9.77	-5.86	4.44	-0.52	7.41	-0.71	-3.72	-3.70	-0.73	-0.25
1	20	1	1.81	-6.70	-4.50	-0.39	-3.72	9.66e-02	-7.26e-02	8.65e-02	-6.26e-02	-4.00e-02
1	20	2	-1.80	-7.50	-3.33	-5.96	-2.53	6.23e-02	-0.29	-0.27	4.43e-02	7.71e-02
1	20	3	-0.23	-4.88	-0.48	-4.63	-1.04	2.08e-02	-0.41	-0.31	-8.13e-02	-0.18
1	20	4	-6.10e-02	-1.64	-1.24	-0.47	-0.69	0.55	0.15	0.55	0.15	-9.63e-03
1	20	17	0.36	-6.45	-0.47	-5.62	-2.24	0.65	0.21	0.21	0.65	1.96e-02
1	20	18	-0.77	-4.30	-0.78	-4.28	-0.23	1.58e-02	-0.34	-5.05e-02	-0.27	-0.14
1	20	25	1.42	-5.68	1.20	-5.46	-1.22	0.90	0.28	0.28	0.90	5.10e-03
1	20	26	-0.80	-4.14	-0.80	-4.14	-3.21e-02	-4.11e-02	-0.39	-5.75e-02	-0.37	-7.34e-02
1	20	33	1.74	-5.45	1.74	-5.45	1.70e-03	0.99	0.30	0.30	0.99	-1.99e-05
1	20	34	-0.78	-4.13	-0.78	-4.13	1.70e-03	-6.58e-02	-0.41	-6.58e-02	-0.41	-5.85e-05
1	20	41	1.41	-5.68	1.20	-5.47	1.22	0.90	0.28	0.28	0.90	-5.13e-03
1	20	42	-0.80	-4.15	-0.80	-4.15	3.44e-02	-4.12e-02	-0.39	-5.76e-02	-0.37	7.34e-02
1	20	49	0.36	-6.46	-0.47	-5.62	2.24	0.65	0.21	0.21	0.65	-1.96e-02
1	20	50	-0.77	-4.31	-0.79	-4.29	0.23	1.55e-02	-0.34	-5.08e-02	-0.27	0.14
1	20	57	-1.80	-7.51	-3.34	-5.97	2.53	6.23e-02	-0.29	-0.27	4.43e-02	-7.70e-02
1	20	58	-0.23	-4.88	-0.48	-4.63	1.04	2.08e-02	-0.41	-0.31	-8.14e-02	0.18
1	20	65	1.80	-6.69	-4.50	-0.39	3.72	9.70e-02	-7.25e-02	8.69e-02	-6.25e-02	4.00e-02
1	20	66	-6.44e-02	-1.64	-1.24	-0.47	0.69	0.55	0.15	0.55	0.15	9.63e-03
1	21	1	10.19	-4.24	6.01	-5.64e-02	6.55	-0.78	-4.01	-3.98	-0.81	-0.27
1	21	2	31.28	5.10	5.40	30.98	-2.77	1.88	0.34	1.87	0.35	0.10
1	21	3	31.74	5.32	5.41	31.65	1.52	1.91	0.41	1.91	0.41	-9.62e-02
1	21	4	10.63	-6.32	4.87	-0.56	-8.03	-0.78	-4.07	-4.04	-0.80	0.28
1	21	17	30.80	5.23	5.25	30.78	-0.84	8.81e-02	1.34e-02	8.66e-02	1.49e-02	1.05e-02
1	21	18	31.25	5.50	5.50	31.25	1.56e-02	9.72e-02	2.77e-02	9.66e-02	2.83e-02	-6.31e-03
1	21	25	30.19	5.17	5.17	30.19	-0.13	1.31e-02	-3.54e-03	1.10e-02	-1.47e-03	-5.50e-03
1	21	26	30.64	5.56	5.57	30.64	-0.27	2.46e-02	9.24e-03	1.75e-02	1.63e-02	7.63e-03
1	21	33	30.14	5.14	5.14	30.14	-1.70e-03	2.23e-02	1.95e-04	2.23e-02	1.95e-04	1.99e-05
1	21	34	30.58	5.59	5.59	30.58	-1.70e-03	2.81e-02	1.96e-02	2.81e-02	1.96e-02	5.85e-05
1	21	41	30.20	5.17	5.17	30.20	0.13	1.32e-02	-3.51e-03	1.11e-02	-1.42e-03	5.53e-03
1	21	42	30.65	5.57	5.57	30.64	0.27	2.46e-02	9.28e-03	1.76e-02	1.63e-02	-7.64e-03
1	21	49	30.81	5.23	5.26	30.78	0.84	8.83e-02	1.35e-02	8.68e-02	1.50e-02	-1.05e-02
1	21	50	31.26	5.51	5.51	31.26	-1.54e-02	9.75e-02	2.78e-02	9.69e-02	2.84e-02	6.33e-03
1	21	57	31.28	5.11	5.40	30.99	2.77	1.88	0.34	1.87	0.35	-0.10
1	21	58	31.74	5.32	5.41	31.65	-1.52	1.91	0.41	1.91	0.41	9.62e-02

1	21	65	10.19	-4.24	6.01	-5.62e-02	-6.54	-0.78	-4.01	-3.98	-0.81	0.27
1	21	66	10.64	-6.33	4.87	-0.56	8.04	-0.78	-4.07	-4.05	-0.80	-0.28
1	22	1	1.38	-5.83	-4.03	-0.42	-3.12	-0.10	-0.28	-0.25	-0.13	-6.33e-02
1	22	2	-0.36	-5.84	-2.88	-3.32	-2.73	0.11	-0.14	-0.11	7.55e-02	8.61e-02
1	22	3	0.30	-2.30	-2.97e-02	-1.97	-0.87	0.10	-0.29	-0.15	-4.83e-02	-0.19
1	22	4	0.67	-1.98	-0.81	-0.50	-1.32	0.21	8.09e-02	0.21	8.24e-02	1.41e-02
1	22	17	1.22	-4.23	-1.86e-02	-2.99	-2.28	0.65	0.22	0.22	0.65	2.05e-02
1	22	18	-0.30	-1.68	-0.32	-1.65	-0.19	2.35e-02	-0.34	-4.21e-02	-0.27	-0.14
1	22	25	1.96	-3.20	1.65	-2.89	-1.22	0.90	0.28	0.28	0.90	4.65e-03
1	22	26	-0.33	-1.56	-0.33	-1.56	-3.88e-02	-3.97e-02	-0.39	-5.57e-02	-0.37	-7.28e-02
1	22	33	2.19	-2.88	2.19	-2.88	1.71e-03	0.99	0.30	0.30	0.99	2.18e-05
1	22	34	-0.31	-1.55	-0.31	-1.55	1.71e-03	-6.31e-02	-0.41	-6.31e-02	-0.41	-3.67e-05
1	22	41	1.96	-3.20	1.65	-2.90	1.22	0.90	0.28	0.28	0.90	-4.64e-03
1	22	42	-0.33	-1.57	-0.33	-1.57	4.11e-02	-3.98e-02	-0.39	-5.59e-02	-0.37	7.28e-02
1	22	49	1.22	-4.24	-2.02e-02	-3.00	2.28	0.65	0.22	0.22	0.65	-2.05e-02
1	22	50	-0.30	-1.69	-0.33	-1.66	0.19	2.32e-02	-0.34	-4.24e-02	-0.27	0.14
1	22	57	-0.37	-5.84	-2.88	-3.33	2.73	0.11	-0.14	-0.11	7.54e-02	-8.61e-02
1	22	58	0.30	-2.31	-3.15e-02	-1.98	0.86	0.10	-0.29	-0.15	-4.83e-02	0.19
1	22	65	1.38	-5.83	-4.03	-0.42	3.11	-0.10	-0.28	-0.25	-0.13	6.33e-02
1	22	66	0.67	-1.98	-0.81	-0.50	1.31	0.21	8.10e-02	0.21	8.25e-02	-1.41e-02
1	23	1	36.13	-17.01	19.89	-0.77	24.48	-2.75	-14.13	-14.05	-2.83	-0.96
1	23	2	110.12	18.10	18.90	109.31	-8.57	6.64	1.24	6.61	1.27	0.37
1	23	3	110.79	18.24	18.75	110.28	6.83	6.70	1.37	6.68	1.39	-0.35
1	23	4	36.27	-20.20	17.59	-1.52	-26.57	-2.75	-14.30	-14.22	-2.83	0.98
1	23	17	108.51	18.62	18.68	108.45	-2.20	0.32	4.91e-02	0.31	5.41e-02	3.61e-02
1	23	18	109.15	19.14	19.16	109.14	1.07	0.35	0.10	0.34	0.10	-2.15e-02
1	23	25	106.37	18.58	18.58	106.37	-0.10	5.08e-02	-7.75e-03	4.34e-02	-3.34e-04	-1.95e-02
1	23	26	107.01	19.39	19.39	107.01	-0.45	9.07e-02	3.57e-02	6.83e-02	5.81e-02	2.70e-02
1	23	33	106.15	18.53	18.53	106.15	5.63e-03	8.21e-02	5.90e-03	8.21e-02	5.90e-03	1.01e-05
1	23	34	106.79	19.46	19.46	106.79	5.63e-03	0.11	6.92e-02	0.11	6.92e-02	-1.56e-04
1	23	41	106.35	18.57	18.57	106.35	0.11	5.05e-02	-7.89e-03	4.31e-02	-4.64e-04	1.95e-02
1	23	42	106.99	19.38	19.38	106.99	0.46	9.05e-02	3.55e-02	6.80e-02	5.80e-02	-2.70e-02
1	23	49	108.48	18.62	18.67	108.42	2.20	0.32	4.89e-02	0.31	5.39e-02	-3.62e-02
1	23	50	109.12	19.13	19.14	109.11	-1.07	0.35	0.10	0.34	0.10	2.15e-02
1	23	57	110.10	18.09	18.89	109.30	8.56	6.64	1.24	6.61	1.27	-0.37
1	23	58	110.77	18.24	18.74	110.26	-6.84	6.70	1.37	6.68	1.39	0.35
1	23	65	36.14	-17.02	19.89	-0.77	-24.49	-2.74	-14.13	-14.05	-2.83	0.96
1	23	66	36.26	-20.19	17.59	-1.52	26.56	-2.75	-14.30	-14.22	-2.83	-0.98
1	24	1	1.89	-17.42	-13.57	-1.96	-7.71	-0.50	-1.67	-1.61	-0.57	-0.27
1	24	2	1.74	-15.52	-8.72	-5.06	-8.43	0.55	-0.18	3.83e-03	0.37	0.31
1	24	3	1.05	-2.26	0.61	-1.82	-1.12	0.51	-0.82	-0.17	-0.15	-0.67
1	24	4	2.83	-5.48	-1.33	-1.32	-4.15	0.16	-9.02e-02	-3.54e-02	0.11	0.10
1	24	17	5.96	-9.04	1.09	-4.16	-7.02	2.18	0.74	0.75	2.18	6.95e-02
1	24	18	-3.27e-02	-0.85	-0.29	-0.59	0.38	9.75e-02	-1.11	-0.12	-0.89	-0.46
1	24	25	8.01	-5.11	6.84	-3.94	-3.73	3.00	0.93	0.93	3.00	1.44e-02
1	24	26	-1.58e-03	-0.65	-0.29	-0.36	0.32	-0.12	-1.28	-0.18	-1.23	-0.24
1	24	33	8.70	-3.91	8.70	-3.91	-5.64e-03	3.29	1.01	1.01	3.29	3.56e-06
1	24	34	-0.19	-0.31	-0.19	-0.31	-5.64e-03	-0.20	-1.36	-0.20	-1.36	1.62e-04
1	24	41	8.01	-5.09	6.85	-3.92	3.73	3.00	0.93	0.93	3.00	-1.44e-02
1	24	42	1.85e-02	-0.64	-0.28	-0.35	-0.33	-0.12	-1.28	-0.18	-1.23	0.24
1	24	49	5.98	-9.01	1.10	-4.14	7.02	2.18	0.74	0.75	2.18	-6.94e-02
1	24	50	-1.36e-02	-0.82	-0.28	-0.56	-0.38	9.84e-02	-1.11	-0.12	-0.89	0.46
1	24	57	1.76	-15.51	-8.71	-5.04	8.44	0.55	-0.18	4.16e-03	0.37	-0.31
1	24	58	1.07	-2.25	0.62	-1.81	1.13	0.51	-0.82	-0.16	-0.15	0.67
1	24	65	1.90	-17.43	-13.57	-1.96	7.72	-0.50	-1.68	-1.61	-0.57	0.27
1	24	66	2.84	-5.49	-1.33	-1.32	4.17	0.16	-9.16e-02	-3.71e-02	0.11	-0.10
1	25	1	36.39	-17.14	20.03	-0.77	24.66	-2.77	-14.23	-14.15	-2.85	-0.97
1	25	2	110.92	18.23	19.04	110.11	-8.63	6.68	1.25	6.66	1.28	0.37
1	25	3	111.59	18.38	18.89	111.08	6.88	6.75	1.38	6.73	1.40	-0.35
1	25	4	36.53	-20.34	17.72	-1.53	-26.76	-2.77	-14.41	-14.32	-2.85	0.99
1	25	17	109.29	18.76	18.81	109.24	-2.21	0.32	4.95e-02	0.31	5.45e-02	3.64e-02
1	25	18	109.94	19.28	19.29	109.93	1.08	0.35	0.10	0.35	0.10	-2.17e-02
1	25	25	107.14	18.71	18.71	107.14	-0.10	5.12e-02	-7.80e-03	4.38e-02	-3.24e-04	-1.96e-02
1	25	26	107.78	19.53	19.53	107.78	-0.45	9.14e-02	3.60e-02	6.88e-02	5.86e-02	2.72e-02
1	25	33	106.92	18.67	18.67	106.92	5.64e-03	8.27e-02	5.97e-03	8.27e-02	5.97e-03	-3.56e-06
1	25	34	107.56	19.60	19.60	107.56	5.64e-03	0.11	6.97e-02	0.11	6.97e-02	-1.62e-04
1	25	41	107.12	18.71	18.71	107.12	0.11	5.09e-02	-7.93e-03	4.34e-02	-4.51e-04	1.96e-02
1	25	42	107.77	19.52	19.52	107.76	0.46	9.11e-02	3.58e-02	6.85e-02	5.85e-02	-2.72e-02
1	25	49	109.26	18.75	18.81	109.21	2.21	0.32	4.92e-02	0.31	5.43e-02	-3.64e-02
1	25	50	109.91	19.27	19.28	109.90	-1.08	0.35	0.10	0.35	0.10	2.17e-02
1	25	57	110.90	18.22	19.03	110.09	8.62	6.68	1.25	6.66	1.28	-0.37
1	25	58	111.57	18.37	18.88	111.06	-6.89	6.75	1.38	6.73	1.40	0.35
1	25	65	36.40	-17.15	20.03	-0.77	-24.67	-2.76	-14.23	-14.15	-2.85	0.97
1	25	66	36.52	-20.33	17.72	-1.53	26.74	-2.77	-14.40	-14.32	-2.85	-0.99
1	26	1	1.76	-17.16	-13.43	-1.97	-7.53	-0.53	-1.77	-1.71	-0.59	-0.28
1	26	2	2.34	-15.18	-8.58	-4.27	-8.49	0.57	-0.14	5.18e-02	0.38	0.32
1	26	3	1.25	-1.53	0.75	-1.03	-1.07	0.54	-0.80	-0.12	-0.14	-0.67

1	26	4	3.08	-5.61	-1.20	-1.33	-4.34	0.13	-0.18	-0.14	8.72e-02	0.11
1	26	17	6.33	-8.48	1.23	-3.38	-7.04	2.18	0.75	0.75	2.18	6.97e-02
1	26	18	0.45	-0.41	-0.16	0.20	0.39	9.98e-02	-1.11	-0.12	-0.89	-0.46
1	26	25	8.20	-4.39	6.97	-3.17	-3.73	3.00	0.93	0.93	3.00	1.43e-02
1	26	26	0.56	-0.29	-0.15	0.41	0.32	-0.12	-1.28	-0.18	-1.23	-0.24
1	26	33	8.83	-3.14	8.83	-3.14	-5.63e-03	3.29	1.01	1.01	3.29	-1.01e-05
1	26	34	0.46	-4.77e-02	-4.77e-02	0.46	-5.63e-03	-0.20	-1.35	-0.20	-1.35	1.56e-04
1	26	41	8.20	-4.37	6.98	-3.15	3.73	3.00	0.93	0.93	3.00	-1.42e-02
1	26	42	0.58	-0.29	-0.14	0.43	-0.33	-0.12	-1.28	-0.18	-1.23	0.24
1	26	49	6.35	-8.46	1.24	-3.35	7.04	2.18	0.75	0.75	2.18	-6.97e-02
1	26	50	0.48	-0.39	-0.14	0.23	-0.39	0.10	-1.11	-0.12	-0.89	0.46
1	26	57	2.36	-15.18	-8.57	-4.25	8.50	0.57	-0.14	5.21e-02	0.38	-0.32
1	26	58	1.27	-1.52	0.76	-1.01	1.08	0.54	-0.80	-0.12	-0.14	0.67
1	26	65	1.77	-17.17	-13.43	-1.97	7.54	-0.53	-1.78	-1.71	-0.59	0.28
1	26	66	3.09	-5.62	-1.20	-1.33	4.35	0.13	-0.19	-0.14	8.69e-02	-0.11
1	27	1	36.13	-17.01	19.89	-0.77	24.48	-2.75	-14.13	-14.05	-2.83	-0.96
1	27	2	110.12	18.10	18.90	109.31	-8.57	6.64	1.24	6.61	1.27	0.37
1	27	3	110.79	18.24	18.75	110.28	6.83	6.70	1.37	6.68	1.39	-0.35
1	27	4	36.27	-20.20	17.59	-1.52	-26.57	-2.75	-14.30	-14.22	-2.83	0.98
1	27	17	108.51	18.62	18.68	108.45	-2.20	0.32	4.91e-02	0.31	5.41e-02	3.61e-02
1	27	18	109.15	19.14	19.16	109.14	1.07	0.35	0.10	0.34	0.10	-2.15e-02
1	27	25	106.37	18.58	18.58	106.37	-0.10	5.08e-02	-7.75e-03	4.34e-02	-3.34e-04	-1.95e-02
1	27	26	107.01	19.39	19.39	107.01	-0.45	9.07e-02	3.57e-02	6.83e-02	5.81e-02	2.70e-02
1	27	33	106.15	18.53	18.53	106.15	5.63e-03	8.21e-02	5.90e-03	8.21e-02	5.90e-03	-2.98e-06
1	27	34	106.79	19.46	19.46	106.79	5.63e-03	0.11	6.92e-02	0.11	6.92e-02	-1.62e-04
1	27	41	106.35	18.57	18.57	106.35	0.11	5.05e-02	-7.89e-03	4.31e-02	-4.64e-04	1.95e-02
1	27	42	106.99	19.38	19.38	106.99	0.46	9.05e-02	3.55e-02	6.80e-02	5.80e-02	-2.70e-02
1	27	49	108.48	18.62	18.67	108.42	2.20	0.32	4.89e-02	0.31	5.39e-02	-3.62e-02
1	27	50	109.12	19.13	19.14	109.11	-1.07	0.35	0.10	0.34	0.10	2.15e-02
1	27	57	110.10	18.09	18.89	109.30	8.56	6.64	1.24	6.61	1.27	-0.37
1	27	58	110.77	18.24	18.74	110.26	-6.84	6.70	1.37	6.68	1.39	0.35
1	27	65	36.14	-17.02	19.89	-0.77	-24.49	-2.74	-14.13	-14.05	-2.83	0.96
1	27	66	36.26	-20.19	17.59	-1.52	26.56	-2.75	-14.30	-14.22	-2.83	-0.98
1	28	1	1.89	-17.42	-13.57	-1.96	-7.71	-0.50	-1.67	-1.61	-0.57	-0.27
1	28	2	1.74	-15.52	-8.72	-5.06	-8.43	0.55	-0.18	3.83e-03	0.37	0.31
1	28	3	1.05	-2.26	0.61	-1.82	-1.12	0.51	-0.82	-0.17	-0.15	-0.67
1	28	4	2.83	-5.48	-1.33	-1.32	-4.15	0.16	-9.02e-02	-3.54e-02	0.11	0.10
1	28	17	5.96	-9.04	1.09	-4.16	-7.02	2.18	0.74	0.75	2.18	6.95e-02
1	28	18	-3.27e-02	-0.85	-0.29	-0.59	0.38	9.75e-02	-1.11	-0.12	-0.89	-0.46
1	28	25	8.01	-5.11	6.84	-3.94	-3.73	3.00	0.93	0.93	3.00	1.44e-02
1	28	26	-1.58e-03	-0.65	-0.29	-0.36	0.32	-0.12	-1.28	-0.18	-1.23	-0.24
1	28	33	8.70	-3.91	8.70	-3.91	-5.64e-03	3.29	1.01	1.01	3.29	-9.52e-06
1	28	34	-0.19	-0.31	-0.19	-0.31	-5.64e-03	-0.20	-1.36	-0.20	-1.36	1.55e-04
1	28	41	8.01	-5.09	6.85	-3.92	3.73	3.00	0.93	0.93	3.00	-1.44e-02
1	28	42	1.85e-02	-0.64	-0.28	-0.35	-0.33	-0.12	-1.28	-0.18	-1.23	0.24
1	28	49	5.98	-9.01	1.10	-4.14	7.02	2.18	0.74	0.75	2.18	-6.94e-02
1	28	50	-1.36e-02	-0.82	-0.28	-0.56	-0.38	9.84e-02	-1.11	-0.12	-0.89	0.46
1	28	57	1.76	-15.51	-8.71	-5.04	8.44	0.55	-0.18	4.16e-03	0.37	-0.31
1	28	58	1.07	-2.25	0.62	-1.81	1.13	0.51	-0.82	-0.16	-0.15	0.67
1	28	65	1.90	-17.43	-13.57	-1.96	7.72	-0.50	-1.68	-1.61	-0.57	0.27
1	28	66	2.84	-5.49	-1.33	-1.32	4.17	0.16	-9.16e-02	-3.71e-02	0.11	-0.10
1	29	1	36.39	-17.14	20.03	-0.77	24.66	-2.77	-14.23	-14.15	-2.85	-0.97
1	29	2	110.92	18.23	19.04	110.11	-8.63	6.68	1.25	6.66	1.28	0.37
1	29	3	111.59	18.38	18.89	111.08	6.88	6.75	1.38	6.73	1.40	-0.35
1	29	4	36.53	-20.34	17.72	-1.53	-26.76	-2.77	-14.41	-14.32	-2.85	0.99
1	29	17	109.29	18.76	18.81	109.24	-2.21	0.32	4.95e-02	0.31	5.45e-02	3.64e-02
1	29	18	109.94	19.28	19.29	109.93	1.08	0.35	0.10	0.35	0.10	-2.17e-02
1	29	25	107.14	18.71	18.71	107.14	-0.10	5.12e-02	-7.79e-03	4.38e-02	-3.24e-04	-1.96e-02
1	29	26	107.78	19.53	19.53	107.78	-0.45	9.14e-02	3.60e-02	6.88e-02	5.86e-02	2.72e-02
1	29	33	106.92	18.67	18.67	106.92	5.64e-03	8.27e-02	5.97e-03	8.27e-02	5.97e-03	9.52e-06
1	29	34	107.56	19.60	19.60	107.56	5.64e-03	0.11	6.97e-02	0.11	6.97e-02	-1.55e-04
1	29	41	107.12	18.71	18.71	107.12	0.11	5.09e-02	-7.93e-03	4.34e-02	-4.51e-04	1.96e-02
1	29	42	107.77	19.52	19.52	107.76	0.46	9.11e-02	3.58e-02	6.85e-02	5.85e-02	-2.72e-02
1	29	49	109.26	18.75	18.81	109.21	2.21	0.32	4.92e-02	0.31	5.43e-02	-3.64e-02
1	29	50	109.91	19.27	19.28	109.90	-1.08	0.35	0.10	0.35	0.10	2.17e-02
1	29	57	110.90	18.22	19.03	110.09	8.62	6.68	1.25	6.66	1.28	-0.37
1	29	58	111.57	18.37	18.88	111.06	-6.89	6.75	1.38	6.73	1.40	0.35
1	29	65	36.40	-17.15	20.03	-0.77	-24.67	-2.76	-14.23	-14.15	-2.85	0.97
1	29	66	36.52	-20.33	17.72	-1.53	26.74	-2.77	-14.40	-14.32	-2.85	-0.99
1	30	1	1.76	-17.16	-13.43	-1.97	-7.53	-0.53	-1.77	-1.71	-0.59	-0.28
1	30	2	2.34	-15.18	-8.58	-4.27	-8.49	0.57	-0.14	5.18e-02	0.38	0.32
1	30	3	1.25	-1.53	0.75	-1.03	-1.07	0.54	-0.80	-0.12	-0.14	-0.67
1	30	4	3.08	-5.61	-1.20	-1.33	-4.34	0.13	-0.18	-0.14	8.72e-02	0.11
1	30	17	6.33	-8.48	1.23	-3.38	-7.04	2.18	0.75	0.75	2.18	6.97e-02
1	30	18	0.45	-0.41	-0.16	0.20	0.39	9.98e-02	-1.11	-0.12	-0.89	-0.46
1	30	25	8.20	-4.39	6.97	-3.17	-3.73	3.00	0.93	0.93	3.00	1.43e-02
1	30	26	0.56	-0.29	-0.15	0.41	0.32	-0.12	-1.28	-0.18	-1.23	-0.24

1	30	33	8.83	-3.14	8.83	-3.14	-5.63e-03	3.29	1.01	1.01	3.29	2.98e-06
1	30	34	0.46	-4.77e-02	-4.77e-02	0.46	-5.63e-03	-0.20	-1.35	-0.20	-1.35	1.62e-04
1	30	41	8.20	-4.37	6.98	-3.15	3.73	3.00	0.93	0.93	3.00	-1.42e-02
1	30	42	0.58	-0.29	-0.14	0.43	-0.33	-0.12	-1.28	-0.18	-1.23	0.24
1	30	49	6.35	-8.46	1.24	-3.35	7.04	2.18	0.75	0.75	2.18	-6.97e-02
1	30	50	0.48	-0.39	-0.14	0.23	-0.39	0.10	-1.11	-0.12	-0.89	0.46
1	30	57	2.36	-15.18	-8.57	-4.25	8.50	0.57	-0.14	5.21e-02	0.38	-0.32
1	30	58	1.27	-1.52	0.76	-1.01	1.08	0.54	-0.80	-0.12	-0.14	0.67
1	30	65	1.77	-17.17	-13.43	-1.97	7.54	-0.53	-1.78	-1.71	-0.59	0.28
1	30	66	3.09	-5.62	-1.20	-1.33	4.35	0.13	-0.19	-0.14	8.69e-02	-0.11
1	31	1	36.14	-17.02	19.89	-0.77	24.49	-2.74	-14.13	-14.05	-2.83	-0.96
1	31	2	110.10	18.09	18.89	109.30	-8.56	6.64	1.24	6.61	1.27	0.37
1	31	3	110.77	18.24	18.74	110.26	6.84	6.70	1.37	6.68	1.39	-0.35
1	31	4	36.26	-20.19	17.59	-1.52	-26.56	-2.75	-14.30	-14.22	-2.83	0.98
1	31	17	108.48	18.62	18.67	108.42	-2.20	0.32	4.89e-02	0.31	5.39e-02	3.62e-02
1	31	18	109.12	19.13	19.14	109.11	1.07	0.35	0.10	0.34	0.10	-2.15e-02
1	31	25	106.35	18.57	18.57	106.35	-0.11	5.05e-02	-7.89e-03	4.31e-02	-4.59e-04	-1.95e-02
1	31	26	106.99	19.38	19.38	106.99	-0.46	9.04e-02	3.55e-02	6.80e-02	5.80e-02	2.70e-02
1	31	33	106.15	18.53	18.53	106.15	-5.70e-03	8.21e-02	5.91e-03	8.21e-02	5.91e-03	3.57e-04
1	31	34	106.79	19.46	19.46	106.79	-5.70e-03	0.11	6.92e-02	0.11	6.92e-02	1.62e-06
1	31	41	106.37	18.58	18.58	106.37	0.10	5.08e-02	-7.76e-03	4.34e-02	-3.37e-04	1.95e-02
1	31	42	107.01	19.39	19.39	107.01	0.45	9.07e-02	3.57e-02	6.83e-02	5.81e-02	-2.70e-02
1	31	49	108.51	18.62	18.68	108.45	2.20	0.32	4.91e-02	0.31	5.41e-02	-3.61e-02
1	31	50	109.15	19.14	19.16	109.14	-1.07	0.35	0.10	0.34	0.10	2.15e-02
1	31	57	110.12	18.10	18.90	109.31	8.57	6.64	1.24	6.61	1.27	-0.37
1	31	58	110.79	18.24	18.75	110.28	-6.83	6.70	1.37	6.68	1.39	0.35
1	31	65	36.13	-17.01	19.89	-0.77	-24.48	-2.75	-14.13	-14.05	-2.83	0.96
1	31	66	36.27	-20.20	17.59	-1.52	26.57	-2.75	-14.30	-14.22	-2.83	-0.98
1	32	1	1.90	-17.43	-13.57	-1.96	-7.72	-0.50	-1.68	-1.61	-0.57	-0.27
1	32	2	1.76	-15.51	-8.71	-5.04	-8.44	0.55	-0.18	4.16e-03	0.37	0.31
1	32	3	1.07	-2.25	0.62	-1.81	-1.13	0.51	-0.82	-0.16	-0.15	-0.67
1	32	4	2.84	-5.49	-1.33	-1.32	-4.17	0.16	-9.16e-02	-3.71e-02	0.11	0.10
1	32	17	5.98	-9.01	1.10	-4.14	-7.02	2.18	0.74	0.75	2.18	6.94e-02
1	32	18	-1.34e-02	-0.82	-0.28	-0.56	0.38	9.84e-02	-1.11	-0.12	-0.89	-0.46
1	32	25	8.01	-5.09	6.85	-3.92	-3.73	3.00	0.93	0.93	3.00	1.44e-02
1	32	26	1.85e-02	-0.64	-0.28	-0.35	0.33	-0.12	-1.28	-0.18	-1.23	-0.24
1	32	33	8.70	-3.91	8.70	-3.91	5.70e-03	3.29	1.01	1.01	3.29	1.01e-05
1	32	34	-0.19	-0.31	-0.19	-0.31	5.70e-03	-0.20	-1.36	-0.20	-1.36	-1.56e-04
1	32	41	8.01	-5.11	6.84	-3.94	3.73	3.00	0.93	0.93	3.00	-1.44e-02
1	32	42	-1.65e-03	-0.65	-0.29	-0.36	-0.32	-0.12	-1.28	-0.18	-1.23	0.24
1	32	49	5.96	-9.04	1.09	-4.16	7.02	2.18	0.74	0.75	2.18	-6.95e-02
1	32	50	-3.29e-02	-0.85	-0.29	-0.59	-0.38	9.75e-02	-1.11	-0.12	-0.89	0.46
1	32	57	1.74	-15.52	-8.72	-5.06	8.43	0.55	-0.18	3.84e-03	0.37	-0.31
1	32	58	1.05	-2.26	0.61	-1.82	1.12	0.51	-0.82	-0.17	-0.15	0.67
1	32	65	1.89	-17.42	-13.57	-1.96	7.71	-0.50	-1.67	-1.61	-0.57	0.27
1	32	66	2.83	-5.48	-1.33	-1.32	4.15	0.16	-9.02e-02	-3.55e-02	0.11	-0.10
1	33	1	36.40	-17.15	20.03	-0.77	24.67	-2.76	-14.23	-14.15	-2.85	-0.97
1	33	2	110.90	18.22	19.03	110.09	-8.62	6.68	1.25	6.66	1.28	0.37
1	33	3	111.57	18.37	18.88	111.06	6.89	6.75	1.38	6.73	1.40	-0.35
1	33	4	36.52	-20.33	17.72	-1.53	-26.74	-2.77	-14.40	-14.32	-2.85	0.99
1	33	17	109.26	18.75	18.81	109.21	-2.21	0.32	4.92e-02	0.31	5.43e-02	3.64e-02
1	33	18	109.91	19.27	19.28	109.90	1.08	0.35	0.10	0.35	0.10	-2.17e-02
1	33	25	107.12	18.71	18.71	107.12	-0.11	5.09e-02	-7.93e-03	4.34e-02	-4.49e-04	-1.96e-02
1	33	26	107.77	19.52	19.52	107.76	-0.46	9.11e-02	3.58e-02	6.85e-02	5.85e-02	2.72e-02
1	33	33	106.92	18.67	18.67	106.92	-5.70e-03	8.27e-02	5.97e-03	8.27e-02	5.97e-03	-1.01e-05
1	33	34	107.56	19.60	19.60	107.56	-5.70e-03	0.11	6.97e-02	0.11	6.97e-02	1.56e-04
1	33	41	107.14	18.71	18.71	107.14	0.10	5.12e-02	-7.79e-03	4.37e-02	-3.23e-04	1.96e-02
1	33	42	107.78	19.53	19.53	107.78	0.45	9.14e-02	3.60e-02	6.88e-02	5.86e-02	-2.72e-02
1	33	49	109.29	18.76	18.81	109.24	2.21	0.32	4.95e-02	0.31	5.45e-02	-3.64e-02
1	33	50	109.94	19.28	19.29	109.92	-1.08	0.35	0.10	0.35	0.10	2.17e-02
1	33	57	110.92	18.23	19.04	110.11	8.63	6.68	1.25	6.66	1.28	-0.37
1	33	58	111.59	18.38	18.89	111.08	-6.88	6.75	1.38	6.73	1.40	0.35
1	33	65	36.39	-17.14	20.03	-0.77	-24.66	-2.77	-14.23	-14.15	-2.85	0.97
1	33	66	36.53	-20.34	17.72	-1.53	26.76	-2.77	-14.41	-14.32	-2.85	-0.99
1	34	1	1.77	-17.17	-13.43	-1.97	-7.54	-0.53	-1.78	-1.71	-0.59	-0.28
1	34	2	2.36	-15.18	-8.57	-4.25	-8.50	0.57	-0.14	5.21e-02	0.38	0.32
1	34	3	1.27	-1.52	0.76	-1.01	-1.08	0.54	-0.80	-0.12	-0.14	-0.67
1	34	4	3.09	-5.62	-1.20	-1.33	-4.35	0.13	-0.19	-0.14	8.69e-02	0.11
1	34	17	6.35	-8.46	1.24	-3.35	-7.04	2.18	0.75	0.75	2.18	6.97e-02
1	34	18	0.48	-0.39	-0.14	0.23	0.39	0.10	-1.11	-0.12	-0.89	-0.46
1	34	25	8.20	-4.37	6.98	-3.15	-3.73	3.00	0.93	0.93	3.00	1.42e-02
1	34	26	0.58	-0.29	-0.14	0.43	0.33	-0.12	-1.28	-0.18	-1.23	-0.24
1	34	33	8.83	-3.14	8.83	-3.14	5.70e-03	3.29	1.01	1.01	3.29	-3.57e-06
1	34	34	0.46	-4.77e-02	-4.77e-02	0.46	5.70e-03	-0.20	-1.35	-0.20	-1.35	-1.62e-04
1	34	41	8.20	-4.39	6.97	-3.17	3.73	3.00	0.93	0.93	3.00	-1.43e-02
1	34	42	0.56	-0.29	-0.15	0.41	-0.32	-0.12	-1.28	-0.18	-1.23	0.24
1	34	49	6.33	-8.48	1.23	-3.38	7.04	2.18	0.75	0.75	2.18	-6.97e-02

1	34	50	0.45	-0.41	-0.16	0.20	-0.39	9.98e-02	-1.11	-0.12	-0.89	0.46
1	34	57	2.34	-15.18	-8.58	-4.27	8.49	0.57	-0.14	5.18e-02	0.38	-0.32
1	34	58	1.25	-1.53	0.75	-1.03	1.07	0.54	-0.80	-0.12	-0.14	0.67
1	34	65	1.76	-17.16	-13.43	-1.97	7.53	-0.53	-1.77	-1.71	-0.59	0.28
1	34	66	3.08	-5.61	-1.20	-1.33	4.34	0.13	-0.18	-0.14	8.72e-02	-0.11
1	35	1	36.14	-17.02	19.89	-0.77	24.49	-2.74	-14.13	-14.05	-2.83	-0.96
1	35	2	110.10	18.09	18.89	109.30	-8.56	6.64	1.24	6.61	1.27	0.37
1	35	3	110.77	18.24	18.74	110.26	6.84	6.70	1.37	6.68	1.39	-0.35
1	35	4	36.26	-20.19	17.59	-1.52	-26.56	-2.75	-14.30	-14.22	-2.83	0.98
1	35	17	108.48	18.62	18.67	108.42	-2.20	0.32	4.89e-02	0.31	5.39e-02	3.62e-02
1	35	18	109.12	19.13	19.14	109.11	1.07	0.35	0.10	0.34	0.10	-2.15e-02
1	35	25	106.35	18.57	18.57	106.35	-0.11	5.05e-02	-7.89e-03	4.31e-02	-4.59e-04	-1.95e-02
1	35	26	106.99	19.38	19.38	106.99	-0.46	9.04e-02	3.55e-02	6.80e-02	5.80e-02	2.70e-02
1	35	33	106.15	18.53	18.53	106.15	-5.70e-03	8.21e-02	5.91e-03	8.21e-02	5.91e-03	-9.51e-06
1	35	34	106.79	19.46	19.46	106.79	-5.70e-03	0.11	6.92e-02	0.11	6.92e-02	1.55e-04
1	35	41	106.37	18.58	18.58	106.37	0.10	5.08e-02	-7.75e-03	4.34e-02	-3.37e-04	1.95e-02
1	35	42	107.01	19.39	19.39	107.01	0.45	9.07e-02	3.57e-02	6.83e-02	5.81e-02	-2.70e-02
1	35	49	108.51	18.62	18.68	108.45	2.20	0.32	4.91e-02	0.31	5.41e-02	-3.61e-02
1	35	50	109.15	19.14	19.16	109.14	-1.07	0.35	0.10	0.34	0.10	2.15e-02
1	35	57	110.12	18.10	18.90	109.31	8.57	6.64	1.24	6.61	1.27	-0.37
1	35	58	110.79	18.24	18.75	110.28	-6.83	6.70	1.37	6.68	1.39	0.35
1	35	65	36.13	-17.01	19.89	-0.77	-24.48	-2.75	-14.13	-14.05	-2.83	0.96
1	35	66	36.27	-20.20	17.59	-1.52	26.57	-2.75	-14.30	-14.22	-2.83	-0.98
1	36	1	1.90	-17.43	-13.57	-1.96	-7.72	-0.50	-1.68	-1.61	-0.57	-0.27
1	36	2	1.76	-15.51	-8.71	-5.04	-8.44	0.55	-0.18	4.16e-03	0.37	0.31
1	36	3	1.07	-2.25	0.62	-1.81	-1.13	0.51	-0.82	-0.16	-0.15	-0.67
1	36	4	2.84	-5.49	-1.33	-1.32	-4.17	0.16	-9.16e-02	-3.71e-02	0.11	0.10
1	36	17	5.98	-9.01	1.10	-4.14	-7.02	2.18	0.74	0.75	2.18	6.94e-02
1	36	18	-1.34e-02	-0.82	-0.28	-0.56	0.38	9.84e-02	-1.11	-0.12	-0.89	-0.46
1	36	25	8.01	-5.09	6.85	-3.92	-3.73	3.00	0.93	0.93	3.00	1.44e-02
1	36	26	1.85e-02	-0.64	-0.28	-0.35	0.33	-0.12	-1.28	-0.18	-1.23	-0.24
1	36	33	8.70	-3.91	8.70	-3.91	5.70e-03	3.29	1.01	1.01	3.29	-2.99e-06
1	36	34	-0.19	-0.31	-0.19	-0.31	5.70e-03	-0.20	-1.36	-0.20	-1.36	-1.62e-04
1	36	41	8.01	-5.11	6.84	-3.94	3.73	3.00	0.93	0.93	3.00	-1.44e-02
1	36	42	-1.65e-03	-0.65	-0.29	-0.36	-0.32	-0.12	-1.28	-0.18	-1.23	0.24
1	36	49	5.96	-9.04	1.09	-4.16	7.02	2.18	0.74	0.75	2.18	-6.95e-02
1	36	50	-3.29e-02	-0.85	-0.29	-0.59	-0.38	9.75e-02	-1.11	-0.12	-0.89	0.46
1	36	57	1.74	-15.52	-8.72	-5.06	8.43	0.55	-0.18	3.84e-03	0.37	-0.31
1	36	58	1.05	-2.26	0.61	-1.82	1.12	0.51	-0.82	-0.17	-0.15	0.67
1	36	65	1.89	-17.42	-13.57	-1.96	7.71	-0.50	-1.67	-1.61	-0.57	0.27
1	36	66	2.83	-5.48	-1.33	-1.32	4.15	0.16	-9.02e-02	-3.55e-02	0.11	-0.10
1	37	1	36.40	-17.15	20.03	-0.77	24.67	-2.76	-14.23	-14.15	-2.85	-0.97
1	37	2	110.90	18.22	19.03	110.09	-8.62	6.68	1.25	6.66	1.28	0.37
1	37	3	111.57	18.37	18.88	111.06	6.89	6.75	1.38	6.73	1.40	-0.35
1	37	4	36.52	-20.33	17.72	-1.53	-26.74	-2.77	-14.40	-14.32	-2.85	0.99
1	37	17	109.26	18.75	18.81	109.21	-2.21	0.32	4.92e-02	0.31	5.43e-02	3.64e-02
1	37	18	109.91	19.27	19.28	109.90	1.08	0.35	0.10	0.35	0.10	-2.17e-02
1	37	25	107.12	18.71	18.71	107.12	-0.11	5.09e-02	-7.93e-03	4.34e-02	-4.49e-04	-1.96e-02
1	37	26	107.77	19.52	19.52	107.76	-0.46	9.11e-02	3.58e-02	6.85e-02	5.85e-02	2.72e-02
1	37	33	106.92	18.67	18.67	106.92	-5.70e-03	8.27e-02	5.97e-03	8.27e-02	5.97e-03	2.99e-06
1	37	34	107.56	19.60	19.60	107.56	-5.70e-03	0.11	6.97e-02	0.11	6.97e-02	1.62e-04
1	37	41	107.14	18.71	18.71	107.14	0.10	5.12e-02	-7.80e-03	4.37e-02	-3.23e-04	1.96e-02
1	37	42	107.78	19.53	19.53	107.78	0.45	9.14e-02	3.60e-02	6.88e-02	5.86e-02	-2.72e-02
1	37	49	109.29	18.76	18.81	109.24	2.21	0.32	4.95e-02	0.31	5.45e-02	-3.64e-02
1	37	50	109.94	19.28	19.29	109.92	-1.08	0.35	0.10	0.35	0.10	2.17e-02
1	37	57	110.92	18.23	19.04	110.11	8.63	6.68	1.25	6.66	1.28	-0.37
1	37	58	111.59	18.38	18.89	111.08	-6.88	6.75	1.38	6.73	1.40	0.35
1	37	65	36.39	-17.14	20.03	-0.77	-24.66	-2.77	-14.23	-14.15	-2.85	0.97
1	37	66	36.53	-20.34	17.72	-1.53	26.76	-2.77	-14.41	-14.32	-2.85	-0.99
1	38	1	1.77	-17.17	-13.43	-1.97	-7.54	-0.53	-1.78	-1.71	-0.59	-0.28
1	38	2	2.36	-15.18	-8.57	-4.25	-8.50	0.57	-0.14	5.21e-02	0.38	0.32
1	38	3	1.27	-1.52	0.76	-1.01	-1.08	0.54	-0.80	-0.12	-0.14	-0.67
1	38	4	3.09	-5.62	-1.20	-1.33	-4.35	0.13	-0.19	-0.14	8.69e-02	0.11
1	38	17	6.35	-8.46	1.24	-3.35	-7.04	2.18	0.75	0.75	2.18	6.97e-02
1	38	18	0.48	-0.39	-0.14	0.23	0.39	0.10	-1.11	-0.12	-0.89	-0.46
1	38	25	8.20	-4.37	6.98	-3.15	-3.73	3.00	0.93	0.93	3.00	1.42e-02
1	38	26	0.58	-0.29	-0.14	0.43	0.33	-0.12	-1.28	-0.18	-1.23	-0.24
1	38	33	8.83	-3.14	8.83	-3.14	5.70e-03	3.29	1.01	1.01	3.29	9.51e-06
1	38	34	0.46	-4.77e-02	-4.77e-02	0.46	5.70e-03	-0.20	-1.35	-0.20	-1.35	-1.55e-04
1	38	41	8.20	-4.39	6.97	-3.17	3.73	3.00	0.93	0.93	3.00	-1.43e-02
1	38	42	0.56	-0.29	-0.15	0.41	-0.32	-0.12	-1.28	-0.18	-1.23	0.24
1	38	49	6.33	-8.48	1.23	-3.38	7.04	2.18	0.75	0.75	2.18	-6.97e-02
1	38	50	0.45	-0.41	-0.16	0.20	-0.39	9.98e-02	-1.11	-0.12	-0.89	0.46
1	38	57	2.34	-15.18	-8.58	-4.27	8.49	0.57	-0.14	5.18e-02	0.38	-0.32
1	38	58	1.25	-1.53	0.75	-1.03	1.07	0.54	-0.80	-0.12	-0.14	0.67
1	38	65	1.76	-17.16	-13.43	-1.97	7.53	-0.53	-1.77	-1.71	-0.59	0.28
1	38	66	3.08	-5.61	-1.20	-1.33	4.34	0.13	-0.18	-0.14	8.72e-02	-0.11

1	39	1	0.98	-0.29	0.46	0.23	-0.63	4.16e-02	-7.24e-04	4.06e-02	2.76e-04	6.42e-03
1	39	2	0.31	-0.65	5.30e-03	-0.34	-0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.47e-03
1	39	3	0.74	-0.46	7.73e-02	0.20	-0.59	2.27e-02	-1.44e-02	-2.14e-04	2.14e-02	5.30e-03
1	39	4	0.43	-0.81	-0.21	-0.17	-0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	-4.35e-03
1	39	17	9.57e-02	-0.50	-0.12	-0.29	-0.28	-7.01e-04	-3.25e-03	-3.23e-03	-7.22e-04	2.27e-04
1	39	18	0.48	-0.33	4.75e-02	9.94e-02	-0.40	-1.68e-03	-2.58e-03	-2.52e-03	-1.75e-03	-2.30e-04
1	39	25	-8.73e-02	-0.38	-0.19	-0.28	-0.14	-1.77e-03	-1.91e-03	-1.81e-03	-1.87e-03	6.38e-05
1	39	26	0.27	-0.14	3.66e-02	9.19e-02	-0.20	-4.52e-04	-2.69e-03	-2.69e-03	-4.58e-04	-1.17e-04
1	39	33	-0.22	-0.28	-0.22	-0.28	6.25e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	8.81e-06
1	39	34	8.76e-02	3.34e-02	3.34e-02	8.76e-02	6.25e-04	-3.91e-04	-3.11e-03	-3.11e-03	-3.91e-04	-1.39e-05
1	39	41	-8.77e-02	-0.39	-0.19	-0.28	0.14	-1.80e-03	-1.93e-03	-1.84e-03	-1.89e-03	-5.97e-05
1	39	42	0.26	-0.14	3.54e-02	9.00e-02	0.20	-4.61e-04	-2.72e-03	-2.71e-03	-4.67e-04	1.16e-04
1	39	49	9.39e-02	-0.50	-0.12	-0.29	0.28	-7.32e-04	-3.34e-03	-3.32e-03	-7.52e-04	-2.27e-04
1	39	50	0.47	-0.33	4.56e-02	9.61e-02	0.40	-1.72e-03	-2.68e-03	-2.62e-03	-1.78e-03	2.30e-04
1	39	57	0.31	-0.65	3.93e-03	-0.35	0.44	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.47e-03
1	39	58	0.73	-0.46	7.63e-02	0.20	0.59	2.27e-02	-1.48e-03	-2.50e-04	2.14e-02	-5.30e-03
1	39	65	0.98	-0.29	0.46	0.23	0.62	4.17e-02	-6.94e-04	4.07e-02	3.04e-04	-6.43e-03
1	39	66	0.42	-0.81	-0.21	-0.17	0.62	2.61e-02	1.23e-02	2.45e-02	1.38e-02	4.35e-03
1	40	1	0.98	-0.31	0.44	0.23	-0.64	4.02e-02	-1.05e-03	3.91e-02	-1.01e-05	6.46e-03
1	40	2	0.32	-0.66	-2.06e-03	-0.34	-0.46	-1.79e-02	-2.58e-02	-1.99e-02	-2.38e-02	-3.40e-03
1	40	3	0.75	-0.48	6.69e-02	0.20	-0.61	2.27e-02	-1.58e-03	-3.40e-04	2.14e-02	5.34e-03
1	40	4	0.43	-0.84	-0.23	-0.18	-0.63	2.46e-02	1.18e-02	2.29e-02	1.35e-02	-4.35e-03
1	40	17	0.11	-0.50	-0.11	-0.28	-0.30	-6.08e-04	-2.83e-03	-2.81e-03	-6.32e-04	2.29e-04
1	40	18	0.50	-0.33	5.10e-02	0.11	-0.41	-1.53e-03	-2.18e-03	-2.07e-03	-1.64e-03	-2.41e-04
1	40	25	-7.04e-02	-0.38	-0.18	-0.26	-0.15	-1.70e-03	-1.89e-03	-1.73e-03	-1.85e-03	7.54e-05
1	40	26	0.28	-0.13	4.87e-02	0.10	-0.21	-4.25e-04	-2.63e-03	-2.62e-03	-4.31e-04	-1.08e-04
1	40	33	-0.21	-0.26	-0.21	-0.26	-6.29e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	8.08e-06
1	40	34	0.11	5.06e-02	5.06e-02	0.11	-6.29e-04	-2.19e-04	-2.51e-03	-2.51e-03	-2.20e-04	2.14e-05
1	40	41	-7.01e-02	-0.38	-0.18	-0.26	0.15	-1.67e-03	-1.86e-03	-1.69e-03	-1.84e-03	-6.55e-05
1	40	42	0.28	-0.13	4.94e-02	0.11	0.20	-4.10e-04	-2.58e-03	-2.58e-03	-4.16e-04	1.07e-04
1	40	49	0.12	-0.50	-0.11	-0.27	0.30	-5.83e-04	-2.74e-03	-2.71e-03	-6.06e-04	-2.20e-04
1	40	50	0.50	-0.33	5.24e-02	0.12	0.41	-1.47e-03	-2.07e-03	-1.94e-03	-1.60e-03	2.47e-04
1	40	57	0.32	-0.66	-9.57e-04	-0.34	0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.38e-03
1	40	58	0.75	-0.48	6.76e-02	0.20	0.61	2.27e-02	-1.54e-03	-2.92e-04	2.14e-02	-5.35e-03
1	40	65	0.98	-0.31	0.44	0.23	0.64	4.00e-02	-1.09e-03	3.90e-02	-4.43e-05	-6.47e-03
1	40	66	0.43	-0.84	-0.23	-0.18	0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	4.35e-03
1	41	1	0.98	-0.29	0.46	0.23	-0.63	4.16e-02	-7.29e-04	4.06e-02	2.73e-04	6.43e-03
1	41	2	0.31	-0.65	5.17e-03	-0.34	-0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.46e-03
1	41	3	0.74	-0.46	7.72e-02	0.20	-0.59	2.27e-02	-1.44e-03	-2.08e-04	2.14e-02	5.31e-03
1	41	4	0.43	-0.81	-0.21	-0.17	-0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	-4.35e-03
1	41	17	9.56e-02	-0.50	-0.12	-0.29	-0.28	-7.04e-04	-3.25e-03	-3.23e-03	-7.24e-04	2.23e-04
1	41	18	0.48	-0.33	4.73e-02	9.94e-02	-0.40	-1.68e-03	-2.57e-03	-2.50e-03	-1.74e-03	-2.33e-04
1	41	25	-8.74e-02	-0.38	-0.19	-0.28	-0.14	-1.77e-03	-1.90e-03	-1.80e-03	-1.87e-03	5.67e-05
1	41	26	0.26	-0.14	3.64e-02	9.19e-02	-0.20	-4.49e-04	-2.68e-03	-2.68e-03	-4.55e-04	-1.16e-04
1	41	33	-0.22	-0.28	-0.22	-0.28	6.29e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	-8.08e-06
1	41	34	8.76e-02	3.34e-02	3.34e-02	8.76e-02	6.29e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.91e-04	-2.14e-05
1	41	41	-8.76e-02	-0.39	-0.19	-0.28	0.14	-1.79e-03	-1.93e-03	-1.84e-03	-1.88e-03	-6.67e-05
1	41	42	0.26	-0.14	3.56e-02	9.00e-02	0.20	-4.64e-04	-2.73e-03	-2.72e-03	-4.70e-04	1.17e-04
1	41	49	9.40e-02	-0.50	-0.12	-0.29	0.28	-7.29e-04	-3.34e-03	-3.32e-03	-7.50e-04	-2.31e-04
1	41	50	0.47	-0.33	4.59e-02	9.61e-02	0.40	-1.72e-03	-2.69e-03	-2.63e-03	-1.78e-03	2.27e-04
1	41	57	0.31	-0.65	4.06e-03	-0.35	0.44	-1.77e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.48e-03
1	41	58	0.73	-0.46	7.65e-02	0.20	0.59	2.27e-02	-1.48e-03	-2.56e-04	2.14e-02	-5.30e-03
1	41	65	0.98	-0.29	0.46	0.23	0.62	4.17e-02	-6.89e-04	4.07e-02	3.07e-04	-6.42e-03
1	41	66	0.42	-0.81	-0.21	-0.17	0.62	2.61e-02	1.23e-02	2.46e-02	1.38e-02	4.35e-03
1	42	1	0.98	-0.31	0.44	0.23	-0.64	4.02e-02	-1.05e-03	3.91e-02	-1.31e-05	6.47e-03
1	42	2	0.32	-0.66	-2.19e-03	-0.34	-0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.39e-03
1	42	3	0.75	-0.48	6.67e-02	0.20	-0.61	2.27e-02	-1.58e-03	-3.34e-04	2.14e-02	5.34e-03
1	42	4	0.43	-0.84	-0.23	-0.18	-0.63	2.46e-02	1.18e-02	2.28e-02	1.35e-02	-4.35e-03
1	42	17	0.11	-0.50	-0.11	-0.28	-0.30	-6.11e-04	-2.83e-03	-2.80e-03	-6.34e-04	2.25e-04
1	42	18	0.50	-0.33	5.07e-02	0.11	-0.41	-1.53e-03	-2.17e-03	-2.05e-03	-1.64e-03	-2.44e-04
1	42	25	-7.05e-02	-0.38	-0.18	-0.26	-0.15	-1.70e-03	-1.88e-03	-1.73e-03	-1.85e-03	6.84e-05
1	42	26	0.28	-0.13	4.84e-02	0.10	-0.21	-4.23e-04	-2.62e-03	-2.61e-03	-4.28e-04	-1.07e-04
1	42	33	-0.21	-0.26	-0.21	-0.26	-6.25e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	-8.81e-06
1	42	34	0.11	5.06e-02	5.06e-02	0.11	-6.25e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	1.39e-05
1	42	41	-7.00e-02	-0.38	-0.18	-0.26	0.15	-1.67e-03	-1.87e-03	-1.70e-03	-1.84e-03	-7.25e-05
1	42	42	0.28	-0.13	4.97e-02	0.11	0.20	-4.13e-04	-2.59e-03	-2.59e-03	-4.19e-04	1.08e-04
1	42	49	0.12	-0.50	-0.11	-0.27	0.30	-5.80e-04	-2.74e-03	-2.72e-03	-6.04e-04	-2.24e-04
1	42	50	0.50	-0.33	5.27e-02	0.12	0.41	-1.48e-03	-2.08e-03	-1.96e-03	-1.61e-03	2.44e-04
1	42	57	0.32	-0.66	-8.29e-04	-0.34	0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	3.40e-03
1	42	58	0.75	-0.48	6.78e-02	0.20	0.61	2.27e-02	-1.54e-03	-2.98e-04	2.14e-02	-5.34e-03
1	42	65	0.99	-0.31	0.44	0.23	0.64	4.00e-02	-1.08e-03	3.90e-02	-4.13e-05	-6.46e-03
1	42	66	0.43	-0.84	-0.23	-0.18	0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	4.35e-03
1	43	1	0.98	-0.29	0.46	0.23	-0.62	4.17e-02	-6.89e-04	4.07e-02	3.07e-04	6.42e-03
1	43	2	0.31	-0.65	4.07e-03	-0.35	-0.44	-1.77e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.48e-03
1	43	3	0.73	-0.46	7.65e-02	0.20	-0.59	2.27e-02	-1.48e-03	-2.55e-04	2.14e-02	5.30e-03
1	43	4	0.42	-0.81	-0.21	-0.17	-0.62	2.61e-02	1.23e-02	2.46e-02	1.38e-02	-4.35e-03
1	43	17	9.40e-02	-0.50	-0.12	-0.29	-0.28	-7.29e-04	-3.34e-03	-3.32e-03	-7.50e-04	2.31e-04

1	43	18	0.47	-0.33	4.58e-02	9.61e-02	-0.40	-1.72e-03	-2.69e-03	-2.63e-03	-1.78e-03	-2.27e-04
1	43	25	-8.76e-02	-0.39	-0.19	-0.28	-0.14	-1.79e-03	-1.93e-03	-1.84e-03	-1.88e-03	6.67e-05
1	43	26	0.26	-0.14	3.56e-02	9.01e-02	-0.20	-4.64e-04	-2.73e-03	-2.72e-03	-4.70e-04	-1.17e-04
1	43	33	-0.22	-0.28	-0.22	-0.28	-6.36e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	8.08e-06
1	43	34	8.76e-02	3.34e-02	3.34e-02	8.76e-02	-6.36e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	2.14e-05
1	43	41	-8.74e-02	-0.38	-0.19	-0.28	0.14	-1.77e-03	-1.90e-03	-1.80e-03	-1.87e-03	-5.68e-05
1	43	42	0.26	-0.14	3.64e-02	9.19e-02	0.20	-4.49e-04	-2.68e-03	-2.68e-03	-4.55e-04	1.16e-04
1	43	49	9.56e-02	-0.50	-0.12	-0.29	0.28	-7.05e-04	-3.25e-03	-3.23e-03	-7.24e-04	-2.23e-04
1	43	50	0.48	-0.33	4.73e-02	9.94e-02	0.40	-1.68e-03	-2.57e-03	-2.50e-03	-1.74e-03	2.33e-04
1	43	57	0.31	-0.65	5.18e-03	-0.34	0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	3.46e-03
1	43	58	0.74	-0.46	7.72e-02	0.20	0.59	2.27e-02	-1.44e-03	-2.09e-04	2.14e-02	-5.31e-03
1	43	65	0.98	-0.29	0.46	0.23	0.63	4.16e-02	-7.29e-04	4.06e-02	2.73e-04	-6.43e-03
1	43	66	0.43	-0.81	-0.21	-0.17	0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	4.35e-03
1	44	1	0.99	-0.31	0.44	0.23	-0.64	4.00e-02	-1.08e-03	3.90e-02	-4.13e-05	6.46e-03
1	44	2	0.32	-0.66	-8.32e-04	-0.34	-0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	-3.40e-03
1	44	3	0.75	-0.48	6.78e-02	0.20	-0.61	2.27e-02	-1.54e-03	-2.99e-04	2.14e-02	5.34e-03
1	44	4	0.43	-0.84	-0.23	-0.18	-0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	-4.35e-03
1	44	17	0.12	-0.50	-0.11	-0.27	-0.30	-5.80e-04	-2.74e-03	-2.72e-03	-6.04e-04	2.25e-04
1	44	18	0.50	-0.33	5.27e-02	0.12	-0.41	-1.48e-03	-2.08e-03	-1.95e-03	-1.61e-03	-2.44e-04
1	44	25	-7.00e-02	-0.38	-0.18	-0.26	-0.15	-1.67e-03	-1.87e-03	-1.70e-03	-1.84e-03	7.25e-05
1	44	26	0.28	-0.13	4.97e-02	0.11	-0.20	-4.13e-04	-2.59e-03	-2.59e-03	-4.19e-04	-1.08e-04
1	44	33	-0.21	-0.26	-0.21	-0.26	6.32e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	8.81e-06
1	44	34	0.11	5.06e-02	5.06e-02	0.11	6.32e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	-1.39e-05
1	44	41	-7.04e-02	-0.38	-0.18	-0.26	0.15	-1.70e-03	-1.88e-03	-1.73e-03	-1.85e-03	-6.84e-05
1	44	42	0.28	-0.13	4.84e-02	0.10	0.21	-4.23e-04	-2.62e-03	-2.61e-03	-4.28e-04	1.07e-04
1	44	49	0.11	-0.50	-0.11	-0.28	0.30	-6.11e-04	-2.83e-03	-2.80e-03	-6.34e-04	-2.24e-04
1	44	50	0.50	-0.33	5.07e-02	0.11	0.41	-1.52e-03	-2.17e-03	-2.05e-03	-1.64e-03	2.44e-04
1	44	57	0.32	-0.66	-2.21e-03	-0.34	0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.39e-03
1	44	58	0.75	-0.48	6.67e-02	0.20	0.61	2.27e-02	-1.57e-03	-3.33e-04	2.14e-02	-5.34e-03
1	44	65	0.98	-0.31	0.44	0.23	0.64	4.02e-02	-1.05e-03	3.91e-02	-1.31e-05	-6.47e-03
1	44	66	0.43	-0.84	-0.23	-0.18	0.63	2.46e-02	1.18e-02	2.28e-02	1.35e-02	4.35e-03
1	45	1	0.98	-0.29	0.46	0.23	-0.62	4.17e-02	-6.94e-04	4.07e-02	3.04e-04	6.43e-03
1	45	2	0.31	-0.65	3.94e-03	-0.35	-0.44	-1.78e-02	-2.58e-02	-1.99e-02	-2.38e-02	-3.47e-03
1	45	3	0.73	-0.46	7.63e-02	0.20	-0.59	2.27e-02	-1.48e-03	-2.49e-04	2.14e-02	5.30e-03
1	45	4	0.42	-0.81	-0.21	-0.17	-0.62	2.61e-02	1.23e-02	2.45e-02	1.38e-02	-4.35e-03
1	45	17	9.39e-02	-0.50	-0.12	-0.29	-0.28	-7.32e-04	-3.34e-03	-3.32e-03	-7.52e-04	2.27e-04
1	45	18	0.47	-0.33	4.56e-02	9.61e-02	-0.40	-1.72e-03	-2.68e-03	-2.62e-03	-1.78e-03	-2.30e-04
1	45	25	-8.77e-02	-0.39	-0.19	-0.28	-0.14	-1.80e-03	-1.93e-03	-1.84e-03	-1.89e-03	5.97e-05
1	45	26	0.26	-0.14	3.54e-02	9.00e-02	-0.20	-4.61e-04	-2.72e-03	-2.71e-03	-4.67e-04	-1.16e-04
1	45	33	-0.22	-0.28	-0.22	-0.28	-6.32e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	-8.81e-06
1	45	34	8.76e-02	3.34e-02	3.34e-02	8.76e-02	-6.32e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	1.39e-05
1	45	41	-8.73e-02	-0.38	-0.19	-0.28	0.14	-1.77e-03	-1.91e-03	-1.81e-03	-1.87e-03	-6.38e-05
1	45	42	0.27	-0.14	3.66e-02	9.19e-02	0.20	-4.52e-04	-2.69e-03	-2.69e-03	-4.58e-04	1.17e-04
1	45	49	9.57e-02	-0.50	-0.12	-0.29	0.28	-7.02e-04	-3.25e-03	-3.23e-03	-7.22e-04	-2.27e-04
1	45	50	0.48	-0.33	4.76e-02	9.93e-02	0.40	-1.68e-03	-2.58e-03	-2.52e-03	-1.75e-03	2.30e-04
1	45	57	0.31	-0.65	5.31e-03	-0.34	0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	3.47e-03
1	45	58	0.74	-0.46	7.74e-02	0.20	0.59	2.27e-02	-1.44e-03	-2.15e-04	2.14e-02	-5.30e-03
1	45	65	0.98	-0.29	0.46	0.23	0.63	4.16e-02	-7.24e-04	4.06e-02	2.76e-04	-6.42e-03
1	45	66	0.43	-0.81	-0.21	-0.17	0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	4.35e-03
1	46	1	0.98	-0.31	0.44	0.23	-0.64	4.00e-02	-1.09e-03	3.90e-02	-4.43e-05	6.47e-03
1	46	2	0.32	-0.66	-9.62e-04	-0.34	-0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	-3.38e-03
1	46	3	0.75	-0.48	6.76e-02	0.20	-0.61	2.27e-02	-1.54e-03	-2.93e-04	2.14e-02	5.35e-03
1	46	4	0.43	-0.84	-0.23	-0.18	-0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	-4.35e-03
1	46	17	0.12	-0.50	-0.11	-0.27	-0.30	-5.83e-04	-2.74e-03	-2.71e-03	-6.06e-04	2.21e-04
1	46	18	0.50	-0.33	5.24e-02	0.12	-0.41	-1.47e-03	-2.07e-03	-1.94e-03	-1.60e-03	-2.47e-04
1	46	25	-7.02e-02	-0.38	-0.18	-0.26	-0.15	-1.67e-03	-1.87e-03	-1.69e-03	-1.84e-03	6.55e-05
1	46	26	0.28	-0.13	4.94e-02	0.11	-0.20	-4.11e-04	-2.58e-03	-2.58e-03	-4.16e-04	-1.07e-04
1	46	33	-0.21	-0.26	-0.21	-0.26	6.36e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	-8.08e-06
1	46	34	0.11	5.06e-02	5.06e-02	0.11	6.36e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	-2.14e-05
1	46	41	-7.03e-02	-0.38	-0.18	-0.26	0.15	-1.70e-03	-1.89e-03	-1.73e-03	-1.85e-03	-7.54e-05
1	46	42	0.28	-0.13	4.87e-02	0.10	0.21	-4.25e-04	-2.63e-03	-2.62e-03	-4.31e-04	1.08e-04
1	46	49	0.11	-0.50	-0.11	-0.28	0.30	-6.08e-04	-2.83e-03	-2.81e-03	-6.31e-04	-2.28e-04
1	46	50	0.50	-0.33	5.10e-02	0.11	0.41	-1.53e-03	-2.18e-03	-2.07e-03	-1.64e-03	2.41e-04
1	46	57	0.32	-0.66	-2.08e-03	-0.34	0.46	-1.79e-02	-2.58e-02	-1.99e-02	-2.38e-02	3.40e-03
1	46	58	0.75	-0.48	6.69e-02	0.20	0.61	2.27e-02	-1.58e-03	-3.39e-04	2.14e-02	-5.34e-03
1	46	65	0.98	-0.31	0.44	0.23	0.64	4.02e-02	-1.05e-03	3.91e-02	-1.02e-05	-6.46e-03
1	46	66	0.43	-0.84	-0.23	-0.18	0.63	2.46e-02	1.18e-02	2.29e-02	1.35e-02	4.35e-03
1	47	1	0.98	-0.29	0.46	0.23	-0.63	4.16e-02	-7.26e-04	4.06e-02	2.76e-04	6.43e-03
1	47	2	0.31	-0.65	5.30e-03	-0.34	-0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.46e-03
1	47	3	0.74	-0.46	7.73e-02	0.20	-0.59	2.27e-02	-1.45e-03	-2.14e-04	2.14e-02	5.31e-03
1	47	4	0.43	-0.81	-0.21	-0.17	-0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	-4.35e-03
1	47	17	9.57e-02	-0.50	-0.12	-0.29	-0.28	-7.02e-04	-3.25e-03	-3.23e-03	-7.22e-04	2.23e-04
1	47	18	0.48	-0.33	4.75e-02	9.94e-02	-0.40	-1.68e-03	-2.58e-03	-2.52e-03	-1.75e-03	-2.33e-04
1	47	25	-8.73e-02	-0.38	-0.19	-0.28	-0.14	-1.77e-03	-1.90e-03	-1.81e-03	-1.87e-03	5.72e-05
1	47	26	0.27	-0.14	3.66e-02	9.19e-02	-0.20	-4.52e-04	-2.69e-03	-2.69e-03	-4.58e-04	-1.16e-04
1	47	33	-0.22	-0.28	-0.22	-0.28	6.25e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	-7.37e-06
1	47	34	8.76e-02	3.34e-02	3.34e-02	8.76e-02	6.25e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.91e-04	-2.17e-05

1	47	41	-8.77e-02	-0.39	-0.19	-0.28	0.14	-1.79e-03	-1.93e-03	-1.84e-03	-1.89e-03	-6.63e-05
1	47	42	0.26	-0.14	3.54e-02	9.00e-02	0.20	-4.61e-04	-2.72e-03	-2.71e-03	-4.67e-04	1.17e-04
1	47	49	9.39e-02	-0.50	-0.12	-0.29	0.28	-7.31e-04	-3.34e-03	-3.32e-03	-7.52e-04	-2.31e-04
1	47	50	0.47	-0.33	4.56e-02	9.61e-02	0.40	-1.72e-03	-2.67e-03	-2.62e-03	-1.78e-03	2.27e-04
1	47	57	0.31	-0.65	3.93e-03	-0.35	0.44	-1.77e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.48e-03
1	47	58	0.73	-0.46	7.63e-02	0.20	0.59	2.27e-02	-1.48e-03	-2.50e-04	2.14e-02	-5.30e-03
1	47	65	0.98	-0.29	0.46	0.23	0.62	4.17e-02	-6.92e-04	4.07e-02	3.04e-04	-6.42e-03
1	47	66	0.42	-0.81	-0.21	-0.17	0.62	2.61e-02	1.23e-02	2.45e-02	1.38e-02	4.35e-03
1	48	1	0.98	-0.31	0.44	0.23	-0.64	4.02e-02	-1.05e-03	3.91e-02	-1.01e-05	6.47e-03
1	48	2	0.32	-0.66	-2.07e-03	-0.34	-0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.39e-03
1	48	3	0.75	-0.48	6.69e-02	0.20	-0.61	2.27e-02	-1.58e-03	-3.40e-04	2.14e-02	5.34e-03
1	48	4	0.43	-0.84	-0.23	-0.18	-0.63	2.46e-02	1.18e-02	2.29e-02	1.35e-02	-4.35e-03
1	48	17	0.11	-0.50	-0.11	-0.28	-0.30	-6.09e-04	-2.83e-03	-2.81e-03	-6.32e-04	2.25e-04
1	48	18	0.50	-0.33	5.10e-02	0.11	-0.41	-1.53e-03	-2.18e-03	-2.07e-03	-1.64e-03	-2.44e-04
1	48	25	-7.04e-02	-0.38	-0.18	-0.26	-0.15	-1.70e-03	-1.88e-03	-1.73e-03	-1.85e-03	6.88e-05
1	48	26	0.28	-0.13	4.87e-02	0.10	-0.21	-4.25e-04	-2.63e-03	-2.62e-03	-4.31e-04	-1.07e-04
1	48	33	-0.21	-0.26	-0.21	-0.26	-6.29e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	-8.09e-06
1	48	34	0.11	5.06e-02	5.06e-02	0.11	-6.29e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	1.36e-05
1	48	41	-7.01e-02	-0.38	-0.18	-0.26	0.15	-1.66e-03	-1.87e-03	-1.69e-03	-1.84e-03	-7.21e-05
1	48	42	0.28	-0.13	4.94e-02	0.11	0.20	-4.10e-04	-2.58e-03	-2.58e-03	-4.16e-04	1.08e-04
1	48	49	0.12	-0.50	-0.11	-0.27	0.30	-5.83e-04	-2.74e-03	-2.71e-03	-6.06e-04	-2.24e-04
1	48	50	0.50	-0.33	5.24e-02	0.12	0.41	-1.48e-03	-2.07e-03	-1.94e-03	-1.61e-03	2.45e-04
1	48	57	0.32	-0.66	-9.58e-04	-0.34	0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	3.40e-03
1	48	58	0.75	-0.48	6.76e-02	0.20	0.61	2.27e-02	-1.53e-03	-2.93e-03	2.14e-02	-5.34e-03
1	48	65	0.98	-0.31	0.44	0.23	0.64	4.00e-02	-1.09e-03	3.90e-02	-4.43e-05	-6.46e-03
1	48	66	0.43	-0.84	-0.23	-0.18	0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	4.35e-03
1	49	1	0.98	-0.29	0.46	0.23	-0.63	4.16e-02	-7.27e-04	4.06e-02	2.73e-04	6.43e-03
1	49	2	0.31	-0.65	5.17e-03	-0.34	-0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.47e-03
1	49	3	0.74	-0.46	7.72e-02	0.20	-0.59	2.27e-02	-1.44e-03	-2.09e-04	2.14e-02	5.30e-03
1	49	4	0.43	-0.81	-0.21	-0.17	-0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	-4.35e-03
1	49	17	9.56e-02	-0.50	-0.12	-0.29	-0.28	-7.04e-04	-3.25e-03	-3.23e-03	-7.24e-04	2.27e-04
1	49	18	0.48	-0.33	4.73e-02	9.94e-02	-0.40	-1.68e-03	-2.57e-03	-2.50e-03	-1.74e-03	-2.30e-04
1	49	25	-8.74e-02	-0.38	-0.19	-0.28	-0.14	-1.77e-03	-1.91e-03	-1.80e-03	-1.87e-03	6.33e-05
1	49	26	0.26	-0.14	3.64e-02	9.19e-02	-0.20	-4.49e-04	-2.68e-03	-2.68e-03	-4.55e-04	-1.17e-04
1	49	33	-0.22	-0.28	-0.22	-0.28	6.29e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	8.09e-06
1	49	34	8.76e-02	3.34e-02	3.34e-02	8.76e-02	6.29e-04	-3.91e-04	-3.11e-03	-3.11e-03	-3.91e-04	-1.36e-05
1	49	41	-8.76e-02	-0.39	-0.19	-0.28	0.14	-1.80e-03	-1.93e-03	-1.84e-03	-1.88e-03	-6.01e-05
1	49	42	0.26	-0.14	3.56e-02	9.00e-02	0.20	-4.64e-04	-2.73e-03	-2.72e-03	-4.70e-04	1.16e-04
1	49	49	9.40e-02	-0.50	-0.12	-0.29	0.28	-7.30e-04	-3.34e-03	-3.32e-03	-7.50e-04	-2.28e-04
1	49	50	0.47	-0.33	4.58e-02	9.61e-02	0.40	-1.72e-03	-2.69e-03	-2.63e-03	-1.78e-03	2.29e-04
1	49	57	0.31	-0.65	4.06e-03	-0.35	0.44	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.47e-03
1	49	58	0.73	-0.46	7.65e-02	0.20	0.59	2.27e-02	-1.48e-03	-2.56e-04	2.14e-02	-5.30e-03
1	49	65	0.98	-0.29	0.46	0.23	0.62	4.17e-02	-6.91e-04	4.07e-02	3.07e-04	-6.43e-03
1	49	66	0.42	-0.81	-0.21	-0.17	0.62	2.61e-02	1.23e-02	2.46e-02	1.38e-02	4.35e-03
1	50	1	0.98	-0.31	0.44	0.23	-0.64	4.02e-02	-1.05e-03	3.91e-02	-1.31e-05	6.46e-03
1	50	2	0.32	-0.66	-2.19e-03	-0.34	-0.46	-1.79e-02	-2.58e-02	-1.99e-02	-2.38e-02	-3.40e-03
1	50	3	0.75	-0.48	6.67e-02	0.20	-0.61	2.27e-02	-1.57e-03	-3.34e-04	2.14e-02	5.34e-03
1	50	4	0.43	-0.84	-0.23	-0.18	-0.63	2.46e-02	1.18e-02	2.28e-02	1.35e-02	-4.35e-03
1	50	17	0.11	-0.50	-0.11	-0.28	-0.30	-6.10e-04	-2.83e-03	-2.80e-03	-6.34e-04	2.28e-04
1	50	18	0.50	-0.33	5.07e-02	0.11	-0.41	-1.53e-03	-2.16e-03	-2.05e-03	-1.64e-03	-2.42e-04
1	50	25	-7.05e-02	-0.38	-0.18	-0.26	-0.15	-1.69e-03	-1.89e-03	-1.73e-03	-1.85e-03	7.50e-05
1	50	26	0.28	-0.13	4.84e-02	0.10	-0.21	-4.23e-04	-2.62e-03	-2.61e-03	-4.28e-04	-1.08e-04
1	50	33	-0.21	-0.26	-0.21	-0.26	-6.25e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	7.37e-06
1	50	34	0.11	5.06e-02	5.06e-02	0.11	-6.25e-04	-2.19e-04	-2.51e-03	-2.51e-03	-2.20e-04	2.17e-05
1	50	41	-7.00e-02	-0.38	-0.18	-0.26	0.15	-1.67e-03	-1.86e-03	-1.70e-03	-1.84e-03	-6.59e-05
1	50	42	0.28	-0.13	4.97e-02	0.11	0.20	-4.13e-04	-2.59e-03	-2.59e-03	-4.18e-04	1.07e-04
1	50	49	0.12	-0.50	-0.11	-0.27	0.30	-5.81e-04	-2.74e-03	-2.72e-03	-6.04e-04	-2.21e-04
1	50	50	0.50	-0.33	5.27e-02	0.12	0.41	-1.48e-03	-2.08e-03	-1.95e-03	-1.61e-03	2.47e-04
1	50	57	0.32	-0.66	-8.29e-04	-0.34	0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	3.38e-03
1	50	58	0.75	-0.48	6.78e-02	0.20	0.61	2.27e-02	-1.54e-03	-2.98e-04	2.14e-02	-5.35e-03
1	50	65	0.99	-0.31	0.44	0.23	0.64	4.00e-02	-1.09e-03	3.90e-02	-4.13e-05	-6.47e-03
1	50	66	0.43	-0.84	-0.23	-0.18	0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	4.35e-03
1	51	1	0.98	-0.29	0.46	0.23	-0.62	4.17e-02	-6.91e-04	4.07e-02	3.07e-04	6.43e-03
1	51	2	0.31	-0.65	4.06e-03	-0.35	-0.44	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.47e-03
1	51	3	0.73	-0.46	7.65e-02	0.20	-0.59	2.27e-02	-1.48e-03	-2.55e-04	2.14e-02	5.30e-03
1	51	4	0.42	-0.81	-0.21	-0.17	-0.62	2.61e-02	1.23e-02	2.46e-02	1.38e-02	-4.35e-03
1	51	17	9.40e-02	-0.50	-0.12	-0.29	-0.28	-7.30e-04	-3.34e-03	-3.32e-03	-7.50e-04	2.27e-04
1	51	18	0.47	-0.33	4.58e-02	9.61e-02	-0.40	-1.72e-03	-2.69e-03	-2.63e-03	-1.78e-03	-2.30e-04
1	51	25	-8.76e-02	-0.39	-0.19	-0.28	-0.14	-1.80e-03	-1.93e-03	-1.84e-03	-1.88e-03	6.01e-05
1	51	26	0.26	-0.14	3.56e-02	9.01e-02	-0.20	-4.64e-04	-2.73e-03	-2.72e-03	-4.70e-04	-1.16e-04
1	51	33	-0.22	-0.28	-0.22	-0.28	-6.36e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	-8.09e-06
1	51	34	8.76e-02	3.34e-02	3.34e-02	8.76e-02	-6.36e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	1.36e-05
1	51	41	-8.74e-02	-0.38	-0.19	-0.28	0.14	-1.77e-03	-1.91e-03	-1.80e-03	-1.87e-03	-6.34e-05
1	51	42	0.26	-0.14	3.64e-02	9.19e-02	0.20	-4.49e-04	-2.68e-03	-2.68e-03	-4.55e-04	1.17e-04
1	51	49	9.56e-02	-0.50	-0.12	-0.29	0.28	-7.04e-04	-3.25e-03	-3.23e-03	-7.24e-04	-2.27e-04
1	51	50	0.48	-0.33	4.73e-02	9.94e-02	0.40	-1.68e-03	-2.57e-03	-2.50e-03	-1.74e-03	2.30e-04
1	51	57	0.31	-0.65	5.18e-03	-0.34	0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	3.47e-03

1	51	58	0.74	-0.46	7.72e-02	0.20	0.59	2.27e-02	-1.44e-03	-2.09e-04	2.14e-02	-5.30e-03
1	51	65	0.98	-0.29	0.46	0.23	0.63	4.16e-02	-7.27e-04	4.06e-02	2.73e-04	-6.43e-03
1	51	66	0.43	-0.81	-0.21	-0.17	0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	4.35e-03
1	52	1	0.99	-0.31	0.44	0.23	-0.64	4.00e-02	-1.09e-03	3.90e-02	-4.13e-05	6.47e-03
1	52	2	0.32	-0.66	-8.33e-04	-0.34	-0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	-3.38e-03
1	52	3	0.75	-0.48	6.78e-02	0.20	-0.61	2.27e-02	-1.54e-03	-2.99e-04	2.14e-02	5.35e-03
1	52	4	0.43	-0.84	-0.23	-0.18	-0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	-4.35e-03
1	52	17	0.12	-0.50	-0.11	-0.27	-0.30	-5.81e-04	-2.74e-03	-2.72e-03	-6.04e-04	2.21e-04
1	52	18	0.50	-0.33	5.27e-02	0.12	-0.41	-1.48e-03	-2.08e-03	-1.95e-03	-1.61e-03	-2.47e-04
1	52	25	-7.00e-02	-0.38	-0.18	-0.26	-0.15	-1.67e-03	-1.86e-03	-1.70e-03	-1.84e-03	6.59e-04
1	52	26	0.28	-0.13	4.97e-02	0.11	-0.20	-4.13e-04	-2.59e-03	-2.59e-03	-4.19e-04	-1.07e-05
1	52	33	-0.21	-0.26	-0.21	-0.26	6.32e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	-7.37e-06
1	52	34	0.11	5.06e-02	5.06e-02	0.11	6.32e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	-2.17e-05
1	52	41	-7.04e-02	-0.38	-0.18	-0.26	0.15	-1.69e-03	-1.89e-03	-1.73e-03	-1.85e-03	-7.50e-05
1	52	42	0.28	-0.13	4.84e-02	0.10	0.21	-4.23e-04	-2.62e-03	-2.61e-03	-4.28e-04	1.08e-04
1	52	49	0.11	-0.50	-0.11	-0.28	0.30	-6.10e-04	-2.83e-03	-2.80e-03	-6.34e-04	-2.28e-04
1	52	50	0.50	-0.33	5.07e-02	0.11	0.41	-1.53e-03	-2.16e-03	-2.05e-03	-1.64e-03	2.42e-04
1	52	57	0.32	-0.66	-2.21e-03	-0.34	0.46	-1.79e-02	-2.58e-02	-1.99e-02	-2.38e-02	3.40e-03
1	52	58	0.75	-0.48	6.67e-02	0.20	0.61	2.27e-02	-1.57e-03	-3.34e-04	2.14e-02	-5.34e-03
1	52	65	0.98	-0.31	0.44	0.23	0.64	4.02e-02	-1.05e-03	3.91e-02	-1.32e-05	-6.46e-03
1	52	66	0.43	-0.84	-0.23	-0.18	0.63	2.46e-02	1.18e-02	2.28e-02	1.35e-02	4.35e-03
1	53	1	0.98	-0.29	0.46	0.23	-0.62	4.17e-02	-6.92e-04	4.07e-02	3.04e-04	6.42e-03
1	53	2	0.31	-0.65	3.94e-03	-0.35	-0.44	-1.77e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.48e-03
1	53	3	0.73	-0.46	7.63e-02	0.20	-0.59	2.27e-02	-1.47e-03	-2.50e-04	2.14e-02	5.30e-03
1	53	4	0.42	-0.81	-0.21	-0.17	-0.62	2.61e-02	1.23e-02	2.45e-02	1.38e-02	-4.35e-03
1	53	17	9.39e-02	-0.50	-0.12	-0.29	-0.28	-7.31e-04	-3.34e-03	-3.32e-03	-7.52e-04	2.31e-04
1	53	18	0.47	-0.33	4.56e-02	9.61e-02	-0.40	-1.72e-03	-2.68e-03	-2.62e-03	-1.78e-03	-2.27e-04
1	53	25	-8.77e-02	-0.39	-0.19	-0.28	-0.14	-1.79e-03	-1.93e-03	-1.84e-03	-1.89e-03	6.63e-05
1	53	26	0.26	-0.14	3.54e-02	9.00e-02	-0.20	-4.61e-04	-2.72e-03	-2.71e-03	-4.67e-04	-1.17e-04
1	53	33	-0.22	-0.28	-0.22	-0.28	-6.32e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	7.37e-06
1	53	34	8.76e-02	3.34e-02	3.34e-02	8.76e-02	-6.32e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	2.17e-05
1	53	41	-8.73e-02	-0.38	-0.19	-0.28	0.14	-1.77e-03	-1.90e-03	-1.81e-03	-1.87e-03	-5.72e-05
1	53	42	0.27	-0.14	3.66e-02	9.19e-02	0.20	-4.52e-04	-2.69e-03	-2.69e-03	-4.58e-04	1.16e-04
1	53	49	9.57e-02	-0.50	-0.12	-0.29	0.28	-7.02e-04	-3.25e-03	-3.23e-03	-7.22e-04	-2.24e-04
1	53	50	0.48	-0.33	4.75e-02	9.93e-02	0.40	-1.68e-03	-2.58e-03	-2.52e-03	-1.75e-03	2.32e-04
1	53	57	0.31	-0.65	5.31e-03	-0.34	0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	3.46e-03
1	53	58	0.74	-0.46	7.73e-02	0.20	0.59	2.27e-02	-1.45e-03	-2.15e-04	2.14e-02	-5.31e-03
1	53	65	0.98	-0.29	0.46	0.23	0.63	4.16e-02	-7.26e-04	4.06e-02	2.76e-04	-6.43e-03
1	53	66	0.43	-0.81	-0.21	-0.17	0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	4.35e-03
1	54	1	0.98	-0.31	0.44	0.23	-0.64	4.00e-02	-1.09e-03	3.90e-02	-4.43e-05	6.46e-03
1	54	2	0.32	-0.66	-9.61e-04	-0.34	-0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	-3.40e-03
1	54	3	0.75	-0.48	6.76e-02	0.20	-0.61	2.27e-02	-1.53e-03	-2.93e-04	2.14e-02	5.34e-03
1	54	4	0.43	-0.84	-0.23	-0.18	-0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	-4.35e-03
1	54	17	0.12	-0.50	-0.11	-0.27	-0.30	-5.82e-04	-2.74e-03	-2.71e-03	-6.06e-04	2.24e-04
1	54	18	0.50	-0.33	5.24e-02	0.12	-0.41	-1.48e-03	-2.07e-03	-1.94e-03	-1.61e-03	-2.44e-04
1	54	25	-7.02e-02	-0.38	-0.18	-0.26	-0.15	-1.66e-03	-1.87e-03	-1.69e-03	-1.84e-03	7.21e-05
1	54	26	0.28	-0.13	4.94e-02	0.11	-0.20	-4.11e-04	-2.58e-03	-2.58e-03	-4.16e-04	-1.08e-04
1	54	33	-0.21	-0.26	-0.21	-0.26	6.36e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	8.09e-06
1	54	34	0.11	5.06e-02	5.06e-02	0.11	6.36e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	-1.36e-05
1	54	41	-7.03e-02	-0.38	-0.18	-0.26	0.15	-1.70e-03	-1.88e-03	-1.73e-03	-1.85e-03	-6.88e-05
1	54	42	0.28	-0.13	4.87e-02	0.10	0.21	-4.25e-04	-2.63e-03	-2.62e-03	-4.31e-04	1.07e-04
1	54	49	0.11	-0.50	-0.11	-0.28	0.30	-6.08e-04	-2.83e-03	-2.81e-03	-6.31e-04	-2.25e-04
1	54	50	0.50	-0.33	5.10e-02	0.11	0.41	-1.53e-03	-2.18e-03	-2.07e-03	-1.64e-03	2.44e-04
1	54	57	0.32	-0.66	-2.08e-03	-0.34	0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.39e-03
1	54	58	0.75	-0.48	6.69e-02	0.20	0.61	2.27e-02	-1.58e-03	-3.39e-04	2.14e-02	-5.34e-03
1	54	65	0.98	-0.31	0.44	0.23	0.64	4.02e-02	-1.05e-03	3.91e-02	-1.01e-05	-6.47e-03
1	54	66	0.43	-0.84	-0.23	-0.18	0.63	2.46e-02	1.18e-02	2.29e-02	1.35e-02	4.35e-03
1	55	1	0.97	-0.27	0.47	0.23	-0.61	4.32e-02	-3.50e-04	4.22e-02	6.08e-04	6.39e-03
1	55	2	0.30	-0.63	1.38e-02	-0.35	-0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	-3.55e-03
1	55	3	0.73	-0.44	8.94e-02	0.20	-0.58	2.27e-02	-1.28e-03	-6.52e-05	2.15e-02	5.26e-03
1	55	4	0.42	-0.78	-0.19	-0.17	-0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	-4.35e-03
1	55	17	7.50e-02	-0.50	-0.12	-0.30	-0.27	-8.10e-04	-3.74e-03	-3.73e-03	-8.27e-04	2.24e-04
1	55	18	0.45	-0.33	4.34e-02	8.42e-02	-0.39	-1.83e-03	-3.08e-03	-3.04e-03	-1.87e-03	-2.18e-04
1	55	25	-0.11	-0.39	-0.20	-0.29	-0.13	-1.84e-03	-1.94e-03	-1.89e-03	-1.89e-03	4.77e-05
1	55	26	0.24	-0.14	2.24e-02	7.69e-02	-0.19	-4.82e-04	-2.76e-03	-2.76e-03	-4.89e-04	-1.27e-04
1	55	33	-0.24	-0.30	-0.24	-0.30	2.09e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	3.75e-06
1	55	34	6.34e-02	1.33e-02	1.34e-02	6.33e-02	2.09e-03	-5.89e-04	-3.82e-03	-3.82e-03	-5.90e-04	-5.77e-05
1	55	41	-0.11	-0.40	-0.21	-0.30	0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	-5.53e-05
1	55	42	0.24	-0.15	1.91e-02	7.07e-02	0.19	-5.21e-04	-2.88e-03	-2.87e-03	-5.28e-04	1.27e-04
1	55	49	6.95e-02	-0.51	-0.12	-0.31	0.27	-9.03e-04	-4.04e-03	-4.02e-03	-9.21e-04	-2.37e-04
1	55	50	0.44	-0.33	3.77e-02	7.34e-02	0.39	-1.95e-03	-3.44e-03	-3.41e-03	-1.97e-03	2.08e-04
1	55	57	0.29	-0.63	9.68e-03	-0.35	0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	3.57e-03
1	55	58	0.72	-0.44	8.65e-02	0.19	0.58	2.26e-02	-1.41e-03	-2.03e-04	2.14e-02	-5.25e-03
1	55	65	0.97	-0.27	0.47	0.23	0.60	4.37e-02	-2.35e-04	4.27e-02	7.12e-04	-6.38e-03
1	55	66	0.42	-0.78	-0.19	-0.17	0.60	2.81e-02	1.29e-02	2.67e-02	1.42e-02	4.35e-03
1	56	1	0.99	-0.34	0.43	0.22	-0.66	3.86e-02	-1.43e-03	3.75e-02	-3.45e-04	6.50e-03
1	56	2	0.33	-0.68	-1.07e-02	-0.34	-0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	-3.32e-03

1	56	3	0.76	-0.50	5.47e-02	0.20	-0.62	2.27e-02	-1.74e-03	-4.85e-04	2.14e-02	5.38e-03
1	56	4	0.43	-0.87	-0.25	-0.18	-0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	-4.35e-03
1	56	17	0.13	-0.50	-0.11	-0.26	-0.31	-4.99e-04	-2.34e-03	-2.31e-03	-5.28e-04	2.29e-04
1	56	18	0.52	-0.34	5.49e-02	0.13	-0.43	-1.27e-03	-1.78e-03	-1.54e-03	-1.52e-03	-2.55e-04
1	56	25	-5.06e-02	-0.37	-0.17	-0.25	-0.16	-1.61e-03	-1.87e-03	-1.65e-03	-1.83e-03	8.66e-05
1	56	26	0.31	-0.12	6.27e-02	0.12	-0.21	-3.93e-04	-2.55e-03	-2.55e-03	-3.98e-04	-9.76e-05
1	56	33	-0.19	-0.24	-0.19	-0.24	-2.09e-03	-6.49e-04	-1.80e-03	-6.49e-04	-1.80e-03	1.32e-06
1	56	34	0.13	7.06e-02	7.07e-02	0.13	-2.09e-03	-1.82e-05	-1.81e-03	-1.80e-03	-2.02e-05	6.00e-05
1	56	41	-4.95e-02	-0.37	-0.17	-0.24	0.15	-1.50e-03	-1.80e-03	-1.52e-03	-1.78e-03	-7.47e-05
1	56	42	0.31	-0.12	6.59e-02	0.13	0.21	-3.52e-04	-2.43e-03	-2.42e-03	-3.57e-04	9.70e-05
1	56	49	0.14	-0.49	-0.10	-0.25	0.31	-4.07e-04	-2.04e-03	-2.01e-03	-4.35e-04	-2.14e-04
1	56	50	0.53	-0.33	6.05e-02	0.14	0.43	-9.86e-04	-1.58e-03	-1.15e-03	-1.41e-03	2.66e-04
1	56	57	0.33	-0.67	-6.62e-03	-0.33	0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.29e-03
1	56	58	0.76	-0.50	5.75e-02	0.21	0.63	2.27e-02	-1.61e-03	-3.44e-04	2.15e-02	-5.40e-03
1	56	65	0.99	-0.34	0.43	0.22	0.66	3.80e-02	-1.55e-03	3.69e-02	-4.50e-04	-6.51e-03
1	56	66	0.44	-0.87	-0.25	-0.18	0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	4.35e-03
1	57	1	0.97	-0.27	0.47	0.23	-0.61	4.32e-02	-3.51e-04	4.22e-02	6.07e-04	6.39e-03
1	57	2	0.30	-0.63	1.38e-02	-0.35	-0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	-3.55e-03
1	57	3	0.73	-0.44	8.94e-02	0.20	-0.58	2.27e-02	-1.28e-03	-6.35e-05	2.15e-02	5.26e-03
1	57	4	0.42	-0.78	-0.19	-0.17	-0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	-4.35e-03
1	57	17	7.49e-02	-0.50	-0.12	-0.30	-0.27	-8.11e-04	-3.74e-03	-3.73e-03	-8.28e-04	2.23e-04
1	57	18	0.45	-0.33	4.33e-02	8.42e-02	-0.39	-1.83e-03	-3.07e-03	-3.03e-03	-1.87e-03	-2.19e-04
1	57	25	-0.11	-0.39	-0.20	-0.29	-0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	4.56e-05
1	57	26	0.24	-0.14	2.24e-02	7.69e-02	-0.19	-4.81e-04	-2.76e-03	-2.75e-03	-4.88e-04	-1.26e-04
1	57	33	-0.24	-0.30	-0.24	-0.30	2.09e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	-1.32e-06
1	57	34	6.34e-02	1.33e-02	1.34e-02	6.33e-02	2.09e-03	-5.89e-04	-3.82e-03	-3.82e-03	-5.90e-04	-6.00e-05
1	57	41	-0.11	-0.40	-0.21	-0.30	0.14	-1.91e-03	-2.05e-03	-2.02e-03	-1.94e-03	-5.74e-05
1	57	42	0.24	-0.15	1.91e-02	7.07e-02	0.19	-5.22e-04	-2.88e-03	-2.88e-03	-5.29e-04	1.27e-04
1	57	49	6.95e-02	-0.51	-0.12	-0.31	0.27	-9.02e-04	-4.04e-03	-4.02e-03	-9.20e-04	-2.38e-04
1	57	50	0.44	-0.33	3.78e-02	7.34e-02	0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	2.08e-04
1	57	57	0.29	-0.63	9.72e-03	-0.35	0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	3.57e-03
1	57	58	0.72	-0.44	8.66e-02	0.19	0.58	2.26e-02	-1.41e-03	-2.05e-04	2.14e-02	-5.25e-03
1	57	65	0.97	-0.27	0.47	0.23	0.60	4.37e-02	-2.34e-04	4.27e-02	7.12e-04	-6.38e-03
1	57	66	0.42	-0.78	-0.19	-0.17	0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	4.35e-03
1	58	1	0.99	-0.34	0.43	0.22	-0.66	3.86e-02	-1.43e-03	3.75e-02	-3.46e-04	6.50e-03
1	58	2	0.33	-0.68	-1.07e-02	-0.34	-0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	-3.31e-03
1	58	3	0.76	-0.50	5.46e-02	0.20	-0.62	2.27e-02	-1.74e-03	-4.85e-04	2.14e-02	5.38e-03
1	58	4	0.43	-0.87	-0.25	-0.18	-0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	-4.35e-03
1	58	17	0.13	-0.50	-0.11	-0.26	-0.31	-5.00e-04	-2.34e-03	-2.31e-03	-5.28e-04	2.28e-04
1	58	18	0.52	-0.34	5.48e-02	0.13	-0.43	-1.27e-03	-1.78e-03	-1.53e-03	-1.52e-03	-2.56e-04
1	58	25	-5.06e-02	-0.37	-0.17	-0.25	-0.16	-1.61e-03	-1.87e-03	-1.65e-03	-1.83e-03	8.45e-05
1	58	26	0.31	-0.12	6.26e-02	0.12	-0.21	-3.93e-04	-2.55e-03	-2.54e-03	-3.97e-04	-9.74e-05
1	58	33	-0.19	-0.24	-0.19	-0.24	-2.09e-03	-6.49e-04	-1.80e-03	-6.49e-04	-1.80e-03	-3.75e-06
1	58	34	0.13	7.06e-02	7.07e-02	0.13	-2.09e-03	-1.84e-05	-1.81e-03	-1.80e-03	-2.03e-05	5.77e-05
1	58	41	-4.95e-02	-0.37	-0.17	-0.24	0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.78e-03	-7.68e-05
1	58	42	0.31	-0.12	6.60e-02	0.13	0.21	-3.53e-04	-2.43e-03	-2.43e-03	-3.57e-04	9.72e-05
1	58	49	0.14	-0.49	-0.10	-0.25	0.31	-4.06e-04	-2.04e-03	-2.02e-03	-4.35e-04	-2.15e-04
1	58	50	0.53	-0.33	6.06e-02	0.14	0.43	-9.91e-04	-1.58e-03	-1.16e-03	-1.41e-03	2.66e-04
1	58	57	0.33	-0.67	-6.58e-03	-0.33	0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.29e-03
1	58	58	0.76	-0.50	5.75e-02	0.21	0.63	2.27e-02	-1.61e-03	-3.44e-04	2.15e-02	-5.40e-03
1	58	65	0.99	-0.34	0.43	0.22	0.66	3.80e-02	-1.55e-03	3.69e-02	-4.49e-04	-6.51e-03
1	58	66	0.44	-0.87	-0.25	-0.18	0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	4.35e-03
1	59	1	0.97	-0.27	0.47	0.23	-0.61	4.32e-02	-3.50e-04	4.22e-02	6.08e-04	6.39e-03
1	59	2	0.30	-0.63	1.38e-02	-0.35	-0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	-3.55e-03
1	59	3	0.73	-0.44	8.94e-02	0.20	-0.58	2.27e-02	-1.28e-03	-6.51e-05	2.15e-02	5.26e-03
1	59	4	0.42	-0.78	-0.19	-0.17	-0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	-4.35e-03
1	59	17	7.50e-02	-0.50	-0.12	-0.30	-0.27	-8.10e-04	-3.74e-03	-3.73e-03	-8.27e-04	2.23e-04
1	59	18	0.45	-0.33	4.34e-02	8.42e-02	-0.39	-1.83e-03	-3.08e-03	-3.04e-03	-1.87e-03	-2.19e-04
1	59	25	-0.11	-0.39	-0.20	-0.29	-0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	4.57e-05
1	59	26	0.24	-0.14	2.24e-02	7.69e-02	-0.19	-4.82e-04	-2.76e-03	-2.76e-03	-4.89e-04	-1.26e-04
1	59	33	-0.24	-0.30	-0.24	-0.30	2.09e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	-1.11e-06
1	59	34	6.34e-02	1.33e-02	1.34e-02	6.33e-02	2.09e-03	-5.89e-04	-3.82e-03	-3.82e-03	-5.90e-04	-6.01e-05
1	59	41	-0.11	-0.40	-0.21	-0.30	0.14	-1.91e-03	-2.05e-03	-2.01e-03	-1.94e-03	-5.73e-05
1	59	42	0.24	-0.15	1.91e-02	7.07e-02	0.19	-5.21e-04	-2.88e-03	-2.87e-03	-5.28e-04	1.27e-04
1	59	49	6.95e-02	-0.51	-0.12	-0.31	0.27	-9.03e-04	-4.04e-03	-4.02e-03	-9.21e-04	-2.38e-04
1	59	50	0.44	-0.33	3.77e-02	7.34e-02	0.39	-1.95e-03	-3.44e-03	-3.41e-03	-1.97e-03	2.08e-04
1	59	57	0.29	-0.63	9.68e-03	-0.35	0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	3.57e-03
1	59	58	0.72	-0.44	8.65e-02	0.19	0.58	2.26e-02	-1.41e-03	-2.03e-04	2.14e-02	-5.25e-03
1	59	65	0.97	-0.27	0.47	0.23	0.60	4.37e-02	-2.35e-04	4.27e-02	7.11e-04	-6.38e-03
1	59	66	0.42	-0.78	-0.19	-0.17	0.60	2.81e-02	1.29e-02	2.67e-02	1.42e-02	4.35e-03
1	60	1	0.99	-0.34	0.43	0.22	-0.66	3.86e-02	-1.43e-03	3.75e-02	-3.45e-04	6.50e-03
1	60	2	0.33	-0.68	-1.07e-02	-0.34	-0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	-3.31e-03
1	60	3	0.76	-0.50	5.47e-02	0.20	-0.62	2.27e-02	-1.74e-03	-4.85e-04	2.14e-02	5.38e-03
1	60	4	0.43	-0.87	-0.25	-0.18	-0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	-4.35e-03
1	60	17	0.13	-0.50	-0.11	-0.26	-0.31	-4.99e-04	-2.34e-03	-2.31e-03	-5.28e-04	2.28e-04
1	60	18	0.52	-0.34	5.49e-02	0.13	-0.43	-1.27e-03	-1.78e-03	-1.54e-03	-1.52e-03	-2.56e-04
1	60	25	-5.06e-02	-0.37	-0.17	-0.25	-0.16	-1.61e-03	-1.86e-03	-1.65e-03	-1.83e-03	8.46e-05

1	60	26	0.31	-0.12	6.27e-02	0.12	-0.21	-3.93e-04	-2.55e-03	-2.55e-03	-3.98e-04	-9.73e-05
1	60	33	-0.19	-0.24	-0.19	-0.24	-2.09e-03	-6.49e-04	-1.80e-03	-6.49e-04	-1.80e-03	-3.53e-06
1	60	34	0.13	7.06e-02	7.07e-02	0.13	-2.09e-03	-1.84e-05	-1.81e-03	-1.80e-03	-2.03e-05	5.76e-05
1	60	41	-4.95e-02	-0.37	-0.17	-0.24	0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.78e-03	-7.67e-05
1	60	42	0.31	-0.12	6.59e-02	0.13	0.21	-3.52e-04	-2.43e-03	-2.42e-03	-3.57e-04	9.73e-05
1	60	49	0.14	-0.49	-0.10	-0.25	0.31	-4.07e-04	-2.04e-03	-2.01e-03	-4.35e-04	-2.15e-04
1	60	50	0.53	-0.33	6.05e-02	0.14	0.43	-9.87e-04	-1.58e-03	-1.15e-03	-1.41e-03	2.66e-04
1	60	57	0.33	-0.67	-6.62e-03	-0.33	0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.29e-03
1	60	58	0.76	-0.50	5.75e-02	0.21	0.63	2.27e-02	-1.61e-03	-3.44e-04	2.15e-02	-5.40e-03
1	60	65	0.99	-0.34	0.43	0.22	0.66	3.80e-02	-1.55e-03	3.69e-02	-4.50e-04	-6.51e-03
1	60	66	0.44	-0.87	-0.25	-0.18	0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	4.35e-03
1	61	1	0.97	-0.27	0.47	0.23	-0.61	4.32e-02	-3.51e-04	4.22e-02	6.07e-04	6.39e-03
1	61	2	0.30	-0.63	1.38e-02	-0.35	-0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	-3.55e-03
1	61	3	0.73	-0.44	8.94e-02	0.20	-0.58	2.27e-02	-1.28e-03	-6.36e-05	2.15e-02	5.26e-03
1	61	4	0.42	-0.78	-0.19	-0.17	-0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	-4.35e-03
1	61	17	7.49e-02	-0.50	-0.12	-0.30	-0.27	-8.11e-04	-3.74e-03	-3.72e-03	-8.28e-04	2.24e-04
1	61	18	0.45	-0.33	4.33e-02	8.42e-02	-0.39	-1.83e-03	-3.07e-03	-3.03e-03	-1.87e-03	-2.18e-04
1	61	25	-0.11	-0.39	-0.20	-0.29	-0.13	-1.84e-03	-1.94e-03	-1.89e-03	-1.89e-03	4.76e-05
1	61	26	0.24	-0.14	2.24e-02	7.69e-02	-0.19	-4.81e-04	-2.76e-03	-2.75e-03	-4.88e-04	-1.27e-04
1	61	33	-0.24	-0.30	-0.24	-0.30	2.09e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	3.53e-06
1	61	34	6.34e-02	1.33e-02	1.34e-02	6.33e-02	2.09e-03	-5.89e-04	-3.82e-03	-3.82e-03	-5.90e-04	-5.76e-05
1	61	41	-0.11	-0.40	-0.21	-0.30	0.14	-1.91e-03	-2.05e-03	-2.02e-03	-1.94e-03	-5.55e-05
1	61	42	0.24	-0.15	1.91e-02	7.07e-02	0.19	-5.22e-04	-2.88e-03	-2.88e-03	-5.29e-04	1.27e-04
1	61	49	6.95e-02	-0.51	-0.12	-0.31	0.27	-9.02e-04	-4.04e-03	-4.02e-03	-9.20e-04	-2.37e-04
1	61	50	0.44	-0.33	3.78e-02	7.34e-02	0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	2.08e-04
1	61	57	0.29	-0.63	9.72e-03	-0.35	0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	3.57e-03
1	61	58	0.72	-0.44	8.66e-02	0.19	0.58	2.26e-02	-1.41e-03	-2.04e-04	2.14e-02	-5.25e-03
1	61	65	0.97	-0.27	0.47	0.23	0.60	4.37e-02	-2.34e-04	4.28e-02	7.12e-04	-6.38e-03
1	61	66	0.42	-0.78	-0.19	-0.17	0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	4.35e-03
1	62	1	0.99	-0.34	0.43	0.22	-0.66	3.86e-02	-1.43e-03	3.75e-02	-3.46e-04	6.50e-03
1	62	2	0.33	-0.68	-1.07e-02	-0.34	-0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	-3.32e-03
1	62	3	0.76	-0.50	5.46e-02	0.20	-0.62	2.27e-02	-1.73e-03	-4.83e-04	2.14e-02	5.38e-03
1	62	4	0.43	-0.87	-0.25	-0.18	-0.65	2.30e-02	1.12e-02	1.12e-02	1.31e-02	-4.35e-03
1	62	17	0.13	-0.50	-0.11	-0.26	-0.31	-4.99e-04	-2.34e-03	-2.31e-03	-5.28e-04	2.29e-04
1	62	18	0.52	-0.34	5.48e-02	0.13	-0.43	-1.27e-03	-1.78e-03	-1.53e-03	-1.52e-03	-2.55e-04
1	62	25	-5.06e-02	-0.37	-0.17	-0.25	-0.16	-1.61e-03	-1.87e-03	-1.65e-03	-1.83e-03	8.64e-05
1	62	26	0.31	-0.12	6.26e-02	0.12	-0.21	-3.93e-04	-2.55e-03	-2.54e-03	-3.97e-04	-9.76e-05
1	62	33	-0.19	-0.24	-0.19	-0.24	-2.09e-03	-6.49e-04	-1.80e-03	-6.49e-04	-1.80e-03	1.11e-06
1	62	34	0.13	7.06e-02	7.07e-02	0.13	-2.09e-03	-1.82e-05	-1.81e-03	-1.80e-03	-2.02e-05	6.01e-05
1	62	41	-4.95e-02	-0.37	-0.17	-0.24	0.15	-1.50e-03	-1.80e-03	-1.52e-03	-1.78e-03	-7.48e-05
1	62	42	0.31	-0.12	6.60e-02	0.13	0.21	-3.53e-04	-2.43e-03	-2.43e-03	-3.57e-04	9.70e-05
1	62	49	0.14	-0.49	-0.10	-0.25	0.31	-4.06e-04	-2.04e-03	-2.02e-03	-4.35e-04	-2.14e-04
1	62	50	0.53	-0.33	6.06e-02	0.14	0.43	-9.90e-04	-1.58e-03	-1.16e-03	-1.41e-03	2.66e-04
1	62	57	0.33	-0.67	-6.58e-03	-0.33	0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.29e-03
1	62	58	0.76	-0.50	5.75e-02	0.21	0.63	2.27e-02	-1.61e-03	-3.45e-04	2.15e-02	-5.40e-03
1	62	65	0.99	-0.34	0.43	0.22	0.66	3.81e-02	-1.55e-03	3.69e-02	-4.49e-04	-6.51e-03
1	62	66	0.44	-0.87	-0.25	-0.18	0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	4.35e-03
1	63	1	0.97	-0.27	0.47	0.23	-0.60	4.37e-02	-2.34e-04	4.28e-02	7.12e-04	6.38e-03
1	63	2	0.29	-0.63	9.73e-03	-0.35	-0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	-3.57e-03
1	63	3	0.72	-0.44	8.66e-02	0.19	-0.58	2.26e-02	-1.41e-03	-2.02e-04	2.14e-02	5.25e-03
1	63	4	0.42	-0.78	-0.19	-0.17	-0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	-4.35e-03
1	63	17	6.95e-02	-0.51	-0.12	-0.31	-0.27	-9.03e-04	-4.04e-03	-4.02e-03	-9.21e-04	2.38e-04
1	63	18	0.44	-0.33	3.78e-02	7.34e-02	-0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	-2.08e-04
1	63	25	-0.11	-0.40	-0.21	-0.30	-0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	5.75e-05
1	63	26	0.24	-0.15	1.91e-02	7.08e-02	-0.19	-5.22e-04	-2.88e-03	-2.88e-03	-5.29e-04	-1.27e-04
1	63	33	-0.24	-0.30	-0.24	-0.30	-2.11e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	1.32e-06
1	63	34	6.34e-02	1.33e-02	1.34e-02	6.33e-02	-2.11e-03	-5.87e-04	-3.82e-03	-3.82e-03	-5.89e-04	6.00e-05
1	63	41	-0.11	-0.39	-0.20	-0.29	0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	-4.57e-05
1	63	42	0.24	-0.14	2.24e-02	7.68e-02	0.19	-4.81e-04	-2.76e-03	-2.75e-03	-4.88e-04	1.27e-04
1	63	49	7.49e-02	-0.50	-0.12	-0.30	0.27	-8.12e-04	-3.74e-03	-3.73e-03	-8.29e-04	-2.23e-04
1	63	50	0.45	-0.33	4.34e-02	8.41e-02	0.39	-1.83e-03	-3.07e-03	-3.03e-03	-1.87e-03	2.18e-04
1	63	57	0.30	-0.63	1.39e-02	-0.35	0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	3.55e-03
1	63	58	0.73	-0.44	8.94e-02	0.20	0.58	2.27e-02	-1.28e-03	-6.60e-05	2.15e-02	-5.26e-03
1	63	65	0.97	-0.27	0.47	0.23	0.61	4.32e-02	-3.51e-04	4.22e-02	6.08e-04	-6.39e-03
1	63	66	0.42	-0.78	-0.19	-0.17	0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	4.35e-03
1	64	1	0.99	-0.34	0.43	0.22	-0.66	3.80e-02	-1.55e-03	3.69e-02	-4.49e-04	6.51e-03
1	64	2	0.33	-0.67	-6.59e-03	-0.33	-0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.29e-03
1	64	3	0.76	-0.50	5.76e-02	0.21	-0.63	2.27e-02	-1.61e-03	-3.48e-04	2.15e-02	5.40e-03
1	64	4	0.44	-0.87	-0.25	-0.18	-0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	-4.35e-03
1	64	17	0.14	-0.49	-0.10	-0.25	-0.31	-4.05e-04	-2.04e-03	-2.01e-03	-4.34e-04	2.15e-04
1	64	18	0.53	-0.33	6.06e-02	0.14	-0.43	-9.90e-04	-1.58e-03	-1.16e-03	-1.41e-03	-2.65e-04
1	64	25	-4.95e-02	-0.37	-0.17	-0.24	-0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	7.68e-05
1	64	26	0.31	-0.12	6.60e-02	0.13	-0.21	-3.54e-04	-2.43e-03	-2.43e-03	-3.58e-04	-9.74e-05
1	64	33	-0.19	-0.24	-0.19	-0.24	2.11e-03	-6.51e-04	-1.80e-03	-6.51e-04	-1.80e-03	3.74e-06
1	64	34	0.13	7.06e-02	7.07e-02	0.13	2.11e-03	-1.98e-05	-1.81e-03	-1.81e-03	-2.17e-05	-5.77e-05
1	64	41	-5.05e-02	-0.37	-0.17	-0.25	0.16	-1.61e-03	-1.86e-03	-1.64e-03	-1.83e-03	-8.44e-05
1	64	42	0.31	-0.12	6.26e-02	0.12	0.21	-3.93e-04	-2.55e-03	-2.54e-03	-3.97e-04	9.69e-05

1	64	49	0.13	-0.50	-0.11	-0.26	0.31	-4.99e-04	-2.34e-03	-2.31e-03	-5.27e-04	-2.27e-04
1	64	50	0.52	-0.34	5.48e-02	0.13	0.43	-1.27e-03	-1.78e-03	-1.53e-03	-1.52e-03	2.56e-04
1	64	57	0.33	-0.68	-1.08e-02	-0.34	0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	3.31e-03
1	64	58	0.76	-0.50	5.46e-02	0.20	0.62	2.27e-02	-1.73e-03	-4.81e-04	2.14e-02	-5.38e-03
1	64	65	0.99	-0.34	0.43	0.22	0.66	3.86e-02	-1.43e-03	3.75e-02	-3.46e-04	-6.50e-03
1	64	66	0.43	-0.87	-0.25	-0.18	0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	4.35e-03
1	65	1	0.97	-0.27	0.47	0.23	-0.60	4.37e-02	-2.35e-04	4.27e-02	7.11e-04	6.38e-03
1	65	2	0.29	-0.63	9.70e-03	-0.35	-0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	-3.57e-03
1	65	3	0.72	-0.44	8.65e-02	0.19	-0.58	2.26e-02	-1.41e-03	-2.00e-04	2.14e-02	5.25e-03
1	65	4	0.42	-0.78	-0.19	-0.17	-0.60	2.81e-02	1.29e-02	2.67e-02	1.42e-02	-4.35e-03
1	65	17	6.94e-02	-0.51	-0.12	-0.31	-0.27	-9.04e-04	-4.04e-03	-4.02e-03	-9.22e-04	2.36e-04
1	65	18	0.44	-0.33	3.77e-02	7.34e-02	-0.39	-1.95e-03	-3.44e-03	-3.41e-03	-1.98e-03	-2.09e-04
1	65	25	-0.11	-0.40	-0.21	-0.30	-0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	5.54e-05
1	65	26	0.24	-0.15	1.90e-02	7.07e-02	-0.19	-5.21e-04	-2.88e-03	-2.87e-03	-5.28e-04	-1.27e-04
1	65	33	-0.24	-0.30	-0.24	-0.30	-2.11e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	-3.74e-06
1	65	34	6.34e-02	1.33e-02	1.34e-02	6.33e-02	-2.11e-03	-5.88e-04	-3.82e-03	-3.82e-03	-5.89e-04	5.77e-05
1	65	41	-0.11	-0.39	-0.20	-0.29	0.13	-1.84e-03	-1.94e-03	-1.89e-03	-1.89e-03	-4.78e-05
1	65	42	0.24	-0.14	2.24e-02	7.68e-02	0.19	-4.82e-04	-2.76e-03	-2.76e-03	-4.89e-04	1.27e-04
1	65	49	7.50e-02	-0.50	-0.12	-0.30	0.27	-8.11e-04	-3.74e-03	-3.73e-03	-8.28e-04	-2.25e-04
1	65	50	0.45	-0.33	4.35e-02	8.41e-02	0.39	-1.83e-03	-3.08e-03	-3.04e-03	-1.87e-03	2.18e-04
1	65	57	0.30	-0.63	1.39e-02	-0.35	0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	3.55e-03
1	65	58	0.73	-0.44	8.95e-02	0.20	0.58	2.27e-02	-1.28e-03	-6.77e-05	2.15e-02	-5.26e-03
1	65	65	0.97	-0.27	0.47	0.23	0.61	4.32e-02	-3.50e-04	4.22e-02	6.09e-04	-6.39e-03
1	65	66	0.42	-0.78	-0.19	-0.17	0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	4.35e-03
1	66	1	0.99	-0.34	0.43	0.22	-0.66	3.80e-02	-1.55e-03	3.69e-02	-4.50e-04	6.51e-03
1	66	2	0.33	-0.67	-6.63e-03	-0.33	-0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.29e-03
1	66	3	0.76	-0.50	5.75e-02	0.21	-0.63	2.27e-02	-1.61e-03	-3.46e-04	2.15e-02	5.40e-03
1	66	4	0.44	-0.87	-0.25	-0.18	-0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	-4.35e-03
1	66	17	0.14	-0.49	-0.10	-0.25	-0.31	-4.06e-04	-2.04e-03	-2.01e-03	-4.35e-04	2.14e-04
1	66	18	0.53	-0.33	6.05e-02	0.14	-0.43	-9.86e-04	-1.58e-03	-1.15e-03	-1.41e-03	-2.66e-04
1	66	25	-4.95e-02	-0.37	-0.17	-0.24	-0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	7.47e-05
1	66	26	0.31	-0.12	6.59e-02	0.13	-0.21	-3.53e-04	-2.43e-03	-2.42e-03	-3.57e-04	-9.72e-05
1	66	33	-0.19	-0.24	-0.19	-0.24	2.11e-03	-6.51e-04	-1.80e-03	-6.51e-04	-1.80e-03	-1.32e-06
1	66	34	0.13	7.06e-02	7.07e-02	0.13	2.11e-03	-1.97e-05	-1.81e-03	-1.81e-03	-2.17e-05	-6.00e-05
1	66	41	-5.05e-02	-0.37	-0.17	-0.25	0.16	-1.61e-03	-1.87e-03	-1.64e-03	-1.83e-03	-8.65e-05
1	66	42	0.31	-0.12	6.27e-02	0.12	0.21	-3.93e-04	-2.55e-03	-2.55e-03	-3.98e-04	9.71e-05
1	66	49	0.13	-0.50	-0.11	-0.26	0.31	-4.98e-04	-2.34e-03	-2.31e-03	-5.27e-04	-2.28e-04
1	66	50	0.52	-0.34	5.49e-02	0.13	0.43	-1.27e-03	-1.78e-03	-1.54e-03	-1.52e-03	2.56e-04
1	66	57	0.33	-0.68	-1.08e-02	-0.34	0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	3.32e-03
1	66	58	0.76	-0.50	5.47e-02	0.20	0.62	2.27e-02	-1.73e-03	-4.82e-04	2.14e-02	-5.38e-03
1	66	65	0.99	-0.34	0.43	0.22	0.66	3.86e-02	-1.43e-03	3.75e-02	-3.46e-04	-6.50e-03
1	66	66	0.43	-0.87	-0.25	-0.18	0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	4.35e-03
1	67	1	0.97	-0.27	0.47	0.23	-0.60	4.37e-02	-2.34e-04	4.28e-02	7.12e-04	6.38e-03
1	67	2	0.29	-0.63	9.73e-03	-0.35	-0.43	-1.76e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.57e-03
1	67	3	0.72	-0.44	8.66e-02	0.19	-0.58	2.26e-02	-1.41e-03	-2.02e-04	2.14e-02	5.25e-03
1	67	4	0.42	-0.78	-0.19	-0.17	-0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	-4.35e-03
1	67	17	6.95e-02	-0.51	-0.12	-0.31	-0.27	-9.03e-04	-4.04e-03	-4.02e-03	-9.21e-04	2.37e-04
1	67	18	0.44	-0.33	3.78e-02	7.34e-02	-0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	-2.09e-04
1	67	25	-0.11	-0.40	-0.21	-0.30	-0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	5.55e-05
1	67	26	0.24	-0.15	1.91e-02	7.08e-02	-0.19	-5.22e-04	-2.88e-03	-2.88e-03	-5.29e-04	-1.27e-04
1	67	33	-0.24	-0.30	-0.24	-0.30	-2.11e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	-3.53e-06
1	67	34	6.34e-02	1.33e-02	1.34e-02	6.33e-02	-2.11e-03	-5.88e-04	-3.82e-03	-3.82e-03	-5.89e-04	5.76e-05
1	67	41	-0.11	-0.39	-0.20	-0.29	0.13	-1.84e-03	-1.94e-03	-1.89e-03	-1.89e-03	-4.77e-05
1	67	42	0.24	-0.14	2.24e-02	7.68e-02	0.19	-4.81e-04	-2.76e-03	-2.75e-03	-4.88e-04	1.27e-04
1	67	49	7.49e-02	-0.50	-0.12	-0.30	0.27	-8.12e-04	-3.74e-03	-3.73e-03	-8.29e-04	-2.25e-04
1	67	50	0.45	-0.33	4.34e-02	8.41e-02	0.39	-1.83e-03	-3.07e-03	-3.03e-03	-1.87e-03	2.18e-04
1	67	57	0.30	-0.63	1.39e-02	-0.35	0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	3.55e-03
1	67	58	0.73	-0.44	8.94e-02	0.20	0.58	2.27e-02	-1.28e-03	-6.61e-05	2.15e-02	-5.26e-03
1	67	65	0.97	-0.27	0.47	0.23	0.61	4.32e-02	-3.51e-04	4.22e-02	6.08e-04	-6.39e-03
1	67	66	0.42	-0.78	-0.19	-0.17	0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	4.35e-03
1	68	1	0.99	-0.34	0.43	0.22	-0.66	3.81e-02	-1.55e-03	3.69e-02	-4.49e-04	6.51e-03
1	68	2	0.33	-0.67	-6.59e-03	-0.33	-0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.29e-03
1	68	3	0.76	-0.50	5.76e-02	0.21	-0.63	2.27e-02	-1.61e-03	-3.48e-04	2.15e-02	5.40e-03
1	68	4	0.44	-0.87	-0.25	-0.18	-0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	-4.35e-03
1	68	17	0.14	-0.49	-0.10	-0.25	-0.31	-4.06e-04	-2.04e-03	-2.01e-03	-4.34e-04	2.14e-04
1	68	18	0.53	-0.33	6.06e-02	0.14	-0.43	-9.89e-04	-1.58e-03	-1.16e-03	-1.41e-03	-2.66e-04
1	68	25	-4.95e-02	-0.37	-0.17	-0.24	-0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	7.48e-05
1	68	26	0.31	-0.12	6.60e-02	0.13	-0.21	-3.54e-04	-2.43e-03	-2.43e-03	-3.58e-04	-9.71e-05
1	68	33	-0.19	-0.24	-0.19	-0.24	2.11e-03	-6.51e-04	-1.80e-03	-6.51e-04	-1.80e-03	-1.11e-06
1	68	34	0.13	7.06e-02	7.07e-02	0.13	2.11e-03	-1.97e-05	-1.81e-03	-1.81e-03	-2.17e-05	-6.00e-05
1	68	41	-5.05e-02	-0.37	-0.17	-0.25	0.16	-1.61e-03	-1.87e-03	-1.64e-03	-1.83e-03	-8.64e-05
1	68	42	0.31	-0.12	6.26e-02	0.12	0.21	-3.93e-04	-2.55e-03	-2.54e-03	-3.97e-04	9.72e-05
1	68	49	0.13	-0.50	-0.11	-0.26	0.31	-4.99e-04	-2.34e-03	-2.31e-03	-5.27e-04	-2.28e-04
1	68	50	0.52	-0.34	5.48e-02	0.13	0.43	-1.27e-03	-1.78e-03	-1.53e-03	-1.52e-03	2.56e-04
1	68	57	0.33	-0.68	-1.08e-02	-0.34	0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	3.32e-03
1	68	58	0.76	-0.50	5.46e-02	0.20	0.62	2.27e-02	-1.73e-03	-4.81e-04	2.14e-02	-5.38e-03
1	68	65	0.99	-0.34	0.43	0.22	0.66	3.85e-02	-1.43e-03	3.75e-02	-3.46e-04	-6.50e-03

1	68	66	0.43	-0.87	-0.25	-0.18	0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	4.35e-03
1	69	1	0.97	-0.27	0.47	0.23	-0.60	4.37e-02	-2.35e-04	4.27e-02	7.11e-04	6.38e-03
1	69	2	0.29	-0.63	9.70e-03	-0.35	-0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	-3.57e-03
1	69	3	0.72	-0.44	8.65e-02	0.19	-0.58	2.26e-02	-1.41e-03	-2.00e-04	2.14e-02	5.25e-03
1	69	4	0.42	-0.78	-0.19	-0.17	-0.60	2.81e-02	1.29e-02	2.67e-02	1.42e-02	-4.35e-03
1	69	17	6.94e-02	-0.51	-0.12	-0.31	-0.27	-9.04e-04	-4.04e-03	-4.02e-03	-9.22e-04	2.38e-04
1	69	18	0.44	-0.33	3.77e-02	7.34e-02	-0.39	-1.95e-03	-3.44e-03	-3.41e-03	-1.98e-03	-2.08e-04
1	69	25	-0.11	-0.40	-0.21	-0.30	-0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	5.74e-05
1	69	26	0.24	-0.15	1.91e-02	7.07e-02	-0.19	-5.21e-04	-2.88e-03	-2.87e-03	-5.28e-04	-1.27e-04
1	69	33	-0.24	-0.30	-0.24	-0.30	-2.11e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	1.11e-06
1	69	34	6.34e-02	1.33e-02	1.34e-02	6.33e-02	-2.11e-03	-5.87e-04	-3.82e-03	-3.82e-03	-5.89e-04	6.00e-05
1	69	41	-0.11	-0.39	-0.20	-0.29	0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	-4.58e-05
1	69	42	0.24	-0.14	2.24e-02	7.68e-02	0.19	-4.82e-04	-2.76e-03	-2.76e-03	-4.89e-04	1.27e-04
1	69	49	7.50e-02	-0.50	-0.12	-0.30	0.27	-8.11e-04	-3.74e-03	-3.73e-03	-8.28e-04	-2.23e-04
1	69	50	0.45	-0.33	4.35e-02	8.41e-02	0.39	-1.83e-03	-3.08e-03	-3.04e-03	-1.87e-03	2.18e-04
1	69	57	0.30	-0.63	1.39e-02	-0.35	0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	3.55e-03
1	69	58	0.73	-0.44	8.95e-02	0.20	0.58	2.27e-02	-1.29e-03	-6.76e-05	2.15e-02	-5.26e-03
1	69	65	0.97	-0.27	0.47	0.23	0.61	4.32e-02	-3.50e-04	4.22e-02	6.09e-04	-6.39e-03
1	69	66	0.42	-0.78	-0.19	-0.17	0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	4.35e-03
1	70	1	0.99	-0.34	0.43	0.22	-0.66	3.80e-02	-1.55e-03	3.69e-02	-4.50e-04	6.51e-03
1	70	2	0.33	-0.67	-6.63e-03	-0.33	-0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.29e-03
1	70	3	0.76	-0.50	5.75e-02	0.21	-0.63	2.27e-02	-1.61e-03	-3.46e-04	2.15e-02	5.40e-03
1	70	4	0.44	-0.87	-0.25	-0.18	-0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	-4.35e-03
1	70	17	0.14	-0.49	-0.10	-0.25	-0.31	-4.06e-04	-2.04e-03	-2.01e-03	-4.35e-04	2.15e-04
1	70	18	0.53	-0.33	6.05e-02	0.14	-0.43	-9.86e-04	-1.57e-03	-1.15e-03	-1.41e-03	-2.65e-04
1	70	25	-4.95e-02	-0.37	-0.17	-0.24	-0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	7.66e-05
1	70	26	0.31	-0.12	6.59e-02	0.13	-0.21	-3.53e-04	-2.43e-03	-2.42e-03	-3.57e-04	-9.75e-05
1	70	33	-0.19	-0.24	-0.19	-0.24	2.11e-03	-6.51e-04	-1.80e-03	-6.51e-04	-1.80e-03	3.53e-06
1	70	34	0.13	7.06e-02	7.07e-02	0.13	2.11e-03	-1.99e-05	-1.81e-03	-1.81e-03	-2.17e-05	-5.76e-05
1	70	41	-5.05e-02	-0.37	-0.17	-0.25	0.16	-1.61e-03	-1.86e-03	-1.64e-03	-1.83e-03	-8.45e-05
1	70	42	0.31	-0.12	6.26e-02	0.12	0.21	-3.93e-04	-2.55e-03	-2.55e-03	-3.98e-04	9.68e-05
1	70	49	0.13	-0.50	-0.11	-0.26	0.31	-4.98e-04	-2.34e-03	-2.31e-03	-5.27e-04	-2.27e-04
1	70	50	0.52	-0.34	5.49e-02	0.13	0.43	-1.27e-03	-1.78e-03	-1.52e-03	-1.52e-03	2.56e-04
1	70	57	0.33	-0.68	-1.08e-02	-0.34	0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	3.31e-03
1	70	58	0.76	-0.50	5.47e-02	0.20	0.62	2.27e-02	-1.73e-03	-4.82e-04	2.14e-02	-5.38e-03
1	70	65	0.99	-0.34	0.43	0.22	0.66	3.86e-02	-1.43e-03	3.75e-02	-3.45e-04	-6.50e-03
1	70	66	0.43	-0.87	-0.25	-0.18	0.65	2.30e-02	1.12e-02	1.31e-02	4.35e-03	6.38e-03
1	71	1	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
1	71	2	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
1	71	3	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
1	71	4	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
1	71	17	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
1	71	18	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
1	71	25	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
1	71	26	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
1	71	33	-0.22	-0.27	-0.22	-0.27	-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	-2.08e-03	-2.08e-03
1	71	34	9.80e-02	4.20e-02	4.20e-02	9.80e-02	-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	-3.05e-04	-3.05e-04
1	71	41	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
1	71	42	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
1	71	49	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
1	71	50	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
1	71	57	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
1	71	58	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
1	71	65	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
1	71	66	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
1	72	1	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
1	72	2	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
1	72	3	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
1	72	4	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
1	72	17	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
1	72	18	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
1	72	25	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
1	72	26	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
1	72	33	-0.22	-0.27	-0.22	-0.27	-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	-2.08e-03	-2.08e-03
1	72	34	9.80e-02	4.20e-02	4.20e-02	9.80e-02	-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	-3.05e-04	-3.05e-04
1	72	41	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
1	72	42	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
1	72	49	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
1	72	50	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
1	72	57	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
1	72	58	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
1	72	65	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
1	72	66	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
1	73	1	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
1	73	2	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
1	73	3	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
1	73	4	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03

1	73	17	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
1	73	18	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
1	73	25	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
1	73	26	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
1	73	33	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
1	73	34	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
1	73	41	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
1	73	42	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
1	73	49	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
1	73	50	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
1	73	57	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
1	73	58	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
1	73	65	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
1	73	66	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
1	74	1	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
1	74	2	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
1	74	3	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
1	74	4	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
1	74	17	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
1	74	18	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
1	74	25	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
1	74	26	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
1	74	33	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
1	74	34	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
1	74	41	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
1	74	42	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
1	74	49	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
1	74	50	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
1	74	57	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
1	74	58	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
1	74	65	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
1	74	66	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
1	75	1	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
1	75	2	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
1	75	3	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
1	75	4	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
1	75	17	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
1	75	18	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
1	75	25	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
1	75	26	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
1	75	33	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
1	75	34	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
1	75	41	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
1	75	42	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
1	75	49	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
1	75	50	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
1	75	57	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
1	75	58	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
1	75	65	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
1	75	66	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
1	76	1	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
1	76	2	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
1	76	3	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
1	76	4	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
1	76	17	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
1	76	18	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
1	76	25	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
1	76	26	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
1	76	33	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
1	76	34	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
1	76	41	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
1	76	42	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
1	76	49	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
1	76	50	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
1	76	57	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
1	76	58	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
1	76	65	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
1	76	66	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		-20.34	-13.57	-5.97	-26.76		-14.41	-14.32	-2.85	-0.99
	111.59		20.03	111.08	26.76	6.75		6.73	3.29	0.99

Macro	Tipo	Angolo 1-X (gradi)
2	Guscio	0.0

M_G	Cmb	Nodo	N max daN/cm	N min daN/cm	N 1 daN/cm	N 2 daN/cm	N 1-2 daN/cm	M max daN	M min daN	M 1 daN	M 2 daN	M 1-2 daN
2	1	3	0.61	-0.96	-9.37e-02	-0.26	0.78	2.95e-02	-1.96e-03	-3.56e-04	2.79e-02	6.92e-03
2	1	4	1.07	-0.56	0.29	0.23	0.81	3.28e-02	1.56e-02	3.07e-02	1.77e-02	-5.65e-03
2	1	5	0.85	-0.41	-2.02e-03	0.45	0.59	-2.32e-02	-3.35e-02	-2.57e-02	-3.09e-02	-4.46e-03
2	1	6	0.39	-1.28	-0.59	-0.30	0.82	5.31e-02	-1.16e-03	5.18e-02	1.71e-04	8.38e-03
2	1	18	0.43	-0.63	-6.39e-02	-0.14	0.53	-2.09e-03	-3.08e-03	-2.97e-03	-2.20e-03	-3.08e-04
2	1	19	0.65	-0.14	0.15	0.37	0.38	-8.53e-04	-3.95e-03	-3.92e-03	-8.81e-04	2.94e-04
2	1	26	0.17	-0.36	-5.53e-02	-0.13	0.26	-5.68e-04	-3.45e-03	-3.45e-03	-5.76e-04	-1.46e-04
2	1	27	0.50	0.10	0.25	0.35	0.19	-2.25e-03	-2.47e-03	-2.30e-03	-2.42e-03	8.59e-05
2	1	34	-5.46e-02	-0.13	-5.46e-02	-0.13		-3.97e-04	-3.65e-03	-3.65e-03	-3.97e-04	
2	1	35	0.35	0.28	0.28	0.35		-2.11e-03	-2.70e-03	-2.11e-03	-2.70e-03	
2	1	42	0.17	-0.36	-5.53e-02	-0.13	-0.26	-5.68e-04	-3.45e-03	-3.45e-03	-5.76e-04	1.46e-04
2	1	43	0.50	0.10	0.25	0.35	-0.19	-2.25e-03	-2.47e-03	-2.30e-03	-2.42e-03	-8.59e-05
2	1	50	0.43	-0.63	-6.39e-02	-0.14	-0.53	-2.09e-03	-3.08e-03	-2.97e-03	-2.20e-03	3.08e-04
2	1	51	0.65	-0.14	0.15	0.37	-0.38	-8.53e-04	-3.95e-03	-3.92e-03	-8.81e-04	-2.94e-04
2	1	58	0.61	-0.96	-9.37e-02	-0.26	-0.78	2.95e-02	-1.96e-03	-3.56e-04	2.79e-02	-6.92e-03
2	1	59	0.85	-0.41	-2.02e-03	0.45	-0.59	-2.32e-02	-3.35e-02	-2.57e-02	-3.09e-02	4.46e-03
2	1	66	1.07	-0.56	0.29	0.23	-0.81	3.28e-02	1.56e-02	3.07e-02	1.77e-02	5.65e-03
2	1	67	0.39	-1.28	-0.59	-0.30	-0.82	5.31e-02	-1.16e-03	5.18e-02	1.71e-04	-8.38e-03
2	2	3	0.61	-0.96	-9.37e-02	-0.26	0.78	2.95e-02	-1.96e-03	-3.56e-04	2.79e-02	6.92e-03
2	2	4	1.07	-0.56	0.29	0.23	0.81	3.28e-02	1.56e-02	3.07e-02	1.77e-02	-5.65e-03
2	2	5	0.85	-0.41	-2.02e-03	0.45	0.59	-2.32e-02	-3.35e-02	-2.57e-02	-3.09e-02	-4.46e-03
2	2	6	0.39	-1.28	-0.59	-0.30	0.82	5.31e-02	-1.16e-03	5.18e-02	1.71e-04	8.38e-03
2	2	18	0.43	-0.63	-6.39e-02	-0.14	0.53	-2.09e-03	-3.08e-03	-2.97e-03	-2.20e-03	-3.08e-04
2	2	19	0.65	-0.14	0.15	0.37	0.38	-8.53e-04	-3.95e-03	-3.92e-03	-8.81e-04	2.94e-04
2	2	26	0.17	-0.36	-5.53e-02	-0.13	0.26	-5.68e-04	-3.45e-03	-3.45e-03	-5.76e-04	-1.46e-04
2	2	27	0.50	0.10	0.25	0.35	0.19	-2.25e-03	-2.47e-03	-2.30e-03	-2.42e-03	8.59e-05
2	2	34	-5.46e-02	-0.13	-5.46e-02	-0.13		-3.97e-04	-3.65e-03	-3.65e-03	-3.97e-04	
2	2	35	0.35	0.28	0.28	0.35		-2.11e-03	-2.70e-03	-2.11e-03	-2.70e-03	
2	2	42	0.17	-0.36	-5.53e-02	-0.13	-0.26	-5.68e-04	-3.45e-03	-3.45e-03	-5.76e-04	1.46e-04
2	2	43	0.50	0.10	0.25	0.35	-0.19	-2.25e-03	-2.47e-03	-2.30e-03	-2.42e-03	-8.59e-05
2	2	50	0.43	-0.63	-6.39e-02	-0.14	-0.53	-2.09e-03	-3.08e-03	-2.97e-03	-2.20e-03	3.08e-04
2	2	51	0.65	-0.14	0.15	0.37	-0.38	-8.53e-04	-3.95e-03	-3.92e-03	-8.81e-04	-2.94e-04
2	2	58	0.61	-0.96	-9.37e-02	-0.26	-0.78	2.95e-02	-1.96e-03	-3.56e-04	2.79e-02	-6.92e-03
2	2	59	0.85	-0.41	-2.02e-03	0.45	-0.59	-2.32e-02	-3.35e-02	-2.57e-02	-3.09e-02	4.46e-03
2	2	66	1.07	-0.56	0.29	0.23	-0.81	3.28e-02	1.56e-02	3.07e-02	1.77e-02	5.65e-03
2	2	67	0.39	-1.28	-0.59	-0.30	-0.82	5.31e-02	-1.16e-03	5.18e-02	1.71e-04	-8.38e-03
2	3	3	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
2	3	4	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
2	3	5	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
2	3	6	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
2	3	18	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
2	3	19	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
2	3	26	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
2	3	27	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
2	3	34	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
2	3	35	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
2	3	42	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
2	3	43	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
2	3	50	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
2	3	51	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
2	3	58	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
2	3	59	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
2	3	66	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
2	3	67	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
2	4	3	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
2	4	4	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
2	4	5	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
2	4	6	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
2	4	18	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
2	4	19	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
2	4	26	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
2	4	27	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
2	4	34	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
2	4	35	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
2	4	42	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
2	4	43	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
2	4	50	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
2	4	51	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
2	4	58	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
2	4	59	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03

2	4	66	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
2	4	67	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
2	5	3	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
2	5	4	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
2	5	5	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
2	5	6	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
2	5	18	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
2	5	19	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
2	5	26	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
2	5	27	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
2	5	34	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
2	5	35	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
2	5	42	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
2	5	43	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
2	5	50	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
2	5	51	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
2	5	58	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
2	5	59	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
2	5	66	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
2	5	67	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
2	6	3	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
2	6	4	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
2	6	5	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
2	6	6	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
2	6	18	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
2	6	19	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
2	6	26	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
2	6	27	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
2	6	34	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
2	6	35	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
2	6	42	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
2	6	43	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
2	6	50	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
2	6	51	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
2	6	58	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
2	6	59	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
2	6	66	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
2	6	67	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
2	7	3	28.87	4.55	4.82	28.60	2.55	-0.33	-1.75	-1.75	-0.34	9.83e-02
2	7	4	9.01	-4.30	4.89	-0.18	-6.16	3.77	0.73	3.75	0.76	-0.26
2	7	5	29.15	4.83	4.94	29.03	-1.67	-0.35	-1.76	-1.75	-0.36	-0.10
2	7	6	9.72	-5.57	4.64	-0.49	7.20	3.75	0.72	3.72	0.74	0.26
2	7	18	28.44	4.92	4.95	28.41	0.80	-2.88e-02	-9.35e-02	-9.30e-02	-2.92e-02	5.33e-03
2	7	19	28.73	5.03	5.03	28.72	-0.21	-1.38e-02	-8.64e-02	-8.52e-02	-1.50e-02	-9.17e-03
2	7	26	27.87	5.02	5.02	27.87	0.14	-1.08e-02	-2.62e-02	-2.12e-02	-1.58e-02	-7.20e-03
2	7	27	28.17	5.10	5.10	28.17	0.16	-2.55e-04	-1.56e-02	-1.36e-02	-2.26e-02	5.17e-03
2	7	34	27.81	5.03	5.03	27.81	1.70e-03	-1.85e-02	-3.10e-02	-3.10e-02	-1.85e-02	3.62e-05
2	7	35	28.11	5.12	5.12	28.11	1.70e-03	-4.14e-03	-2.34e-02	-2.34e-02	-4.14e-03	-2.34e-05
2	7	42	27.86	5.01	5.01	27.86	-0.14	-1.07e-02	-2.61e-02	-2.11e-02	-1.57e-02	7.20e-03
2	7	43	28.16	5.09	5.09	28.16	-0.16	-2.00e-04	-1.55e-02	-1.35e-02	-2.22e-03	-5.18e-03
2	7	50	28.43	4.92	4.94	28.41	-0.80	-2.87e-02	-9.32e-02	-9.28e-02	-2.91e-02	-5.33e-03
2	7	51	28.72	5.02	5.03	28.72	0.21	-1.37e-02	-8.62e-02	-8.50e-02	-1.49e-02	9.17e-03
2	7	58	28.86	4.54	4.81	28.59	-2.55	-0.33	-1.75	-1.75	-0.34	-9.83e-02
2	7	59	29.14	4.83	4.94	29.02	1.67	-0.35	-1.76	-1.75	-0.36	0.10
2	7	66	9.01	-4.30	4.89	-0.18	6.15	3.77	0.73	3.75	0.76	0.26
2	7	67	9.72	-5.57	4.64	-0.49	-7.21	3.75	0.72	3.72	0.74	-0.26
2	8	3	-1.03	-4.88	-1.08	-4.83	0.43	0.27	0.11	0.25	0.13	-4.94e-02
2	8	4	1.10	-2.84	-1.81	6.33e-02	1.73	-9.66e-02	-0.47	-0.47	-9.66e-02	-1.02e-03
2	8	5	-0.67	-4.38	-0.75	-4.30	0.54	0.27	3.60e-02	0.26	3.98e-02	2.91e-02
2	8	6	0.16	-1.00	-0.68	-0.16	-0.52	-0.13	-0.64	-0.64	-0.13	-2.09e-02
2	8	18	-0.56	-4.67	-0.60	-4.64	0.39	0.21	1.76e-02	3.25e-02	0.19	-5.11e-02
2	8	19	-0.77	-4.27	-0.79	-4.25	0.23	4.56e-02	-4.93e-02	1.98e-02	-2.35e-02	4.22e-02
2	8	26	-0.45	-4.56	-0.46	-4.55	0.21	0.32	6.16e-02	6.41e-02	0.31	-2.53e-02
2	8	27	-0.74	-4.20	-0.75	-4.20	8.76e-02	1.27e-02	-6.79e-02	5.55e-03	-6.08e-02	2.29e-02
2	8	34	-0.42	-4.53	-0.42	-4.53	-1.71e-03	0.35	7.83e-02	7.83e-02	0.35	-5.89e-05
2	8	35	-0.73	-4.19	-0.73	-4.19	-1.71e-03	4.81e-03	-6.93e-02	4.81e-03	-6.93e-02	-2.12e-05
2	8	42	-0.45	-4.55	-0.46	-4.54	-0.21	0.32	6.15e-02	6.40e-02	0.31	2.53e-02
2	8	43	-0.74	-4.19	-0.74	-4.19	-9.00e-02	1.26e-02	-6.80e-02	5.44e-03	-6.08e-02	-2.29e-02
2	8	50	-0.56	-4.66	-0.59	-4.63	-0.39	0.21	1.73e-02	3.22e-02	0.19	5.11e-02
2	8	51	-0.77	-4.26	-0.79	-4.24	-0.23	4.54e-02	-4.95e-02	1.96e-02	-2.36e-02	-4.22e-02
2	8	58	-1.03	-4.87	-1.07	-4.82	-0.43	0.27	0.11	0.25	0.13	4.95e-02
2	8	59	-0.66	-4.38	-0.74	-4.30	-0.54	0.27	3.60e-02	0.26	3.97e-02	-2.90e-02
2	8	66	1.09	-2.84	-1.80	6.34e-02	-1.73	-9.65e-02	-0.47	-0.47	-9.65e-02	1.02e-03
2	8	67	0.17	-1.01	-0.68	-0.16	0.52	-0.13	-0.64	-0.64	-0.13	2.09e-02
2	9	3	31.53	4.98	5.27	31.25	2.72	-0.36	-1.92	-1.91	-0.37	0.11
2	9	4	9.88	-4.77	5.31	-0.21	-6.79	4.12	0.80	4.09	0.83	-0.29
2	9	5	31.81	5.27	5.40	31.67	-1.87	-0.39	-1.92	-1.91	-0.39	-0.11

2	9	6	10.59	-6.00	5.10	-0.51	7.81	4.09	0.78	4.06	0.81	0.28
2	9	18	31.07	5.38	5.41	31.04	0.83	-3.13e-02	-0.10	-0.10	-3.18e-02	5.85e-03
2	9	19	31.35	5.48	5.48	31.35	-0.25	-1.50e-02	-9.41e-02	-9.28e-02	-1.63e-02	-1.00e-02
2	9	26	30.45	5.48	5.48	30.45	0.13	-1.17e-02	-2.84e-02	-2.29e-02	-1.72e-02	-7.86e-03
2	9	27	30.74	5.55	5.55	30.74	0.16	-1.00e-04	-1.69e-02	-1.47e-02	-2.30e-03	5.66e-03
2	9	34	30.38	5.50	5.50	30.38	1.71e-03	-2.02e-02	-3.37e-02	-3.37e-02	-2.02e-02	5.89e-05
2	9	35	30.67	5.57	5.57	30.67	1.71e-03	-4.35e-03	-2.55e-02	-2.55e-02	-4.35e-03	2.12e-05
2	9	42	30.44	5.48	5.48	30.44	-0.13	-1.16e-02	-2.83e-02	-2.28e-02	-1.71e-02	7.86e-03
2	9	43	30.73	5.55	5.55	30.73	-0.16	-7.57e-05	-1.68e-02	-1.46e-02	-2.27e-03	-5.64e-03
2	9	50	31.06	5.38	5.41	31.04	-0.83	-3.12e-02	-0.10	-0.10	-3.17e-02	-5.84e-03
2	9	51	31.34	5.48	5.48	31.34	0.25	-1.50e-02	-9.39e-02	-9.26e-02	-1.63e-02	1.00e-02
2	9	58	31.53	4.98	5.26	31.25	-2.73	-0.36	-1.92	-1.91	-0.37	-0.11
2	9	59	31.80	5.26	5.40	31.67	1.86	-0.39	-1.92	-1.91	-0.39	0.11
2	9	66	9.87	-4.77	5.31	-0.21	6.78	4.12	0.80	4.09	0.83	0.29
2	9	67	10.60	-6.00	5.10	-0.51	-7.81	4.09	0.78	4.06	0.81	-0.28
2	10	3	-0.42	-2.38	-0.63	-2.17	0.61	0.14	5.40e-02	9.13e-02	9.88e-02	-4.09e-02
2	10	4	0.64	-1.98	-1.38	3.04e-02	1.11	-2.21e-02	-0.13	-0.13	-2.80e-02	-2.48e-02
2	10	5	-0.21	-1.74	-0.29	-1.66	0.34	0.11	4.54e-03	0.10	8.59e-03	2.00e-02
2	10	6	-0.11	-0.28	-0.21	-0.18	8.29e-02	-5.98e-02	-0.30	-0.30	-5.99e-02	2.41e-02
2	10	18	-4.68e-02	-2.10	-0.14	-2.01	0.42	0.20	9.87e-03	2.40e-02	0.19	-5.05e-02
2	10	19	-0.31	-1.65	-0.34	-1.63	0.18	3.90e-02	-5.17e-02	1.22e-02	-2.49e-02	4.14e-02
2	10	26	2.69e-02	-1.99	6.04e-03	-1.97	0.20	0.31	5.97e-02	6.24e-02	0.31	-2.59e-02
2	10	27	-0.29	-1.63	-0.29	-1.62	8.80e-02	1.19e-02	-6.83e-02	4.44e-02	-6.08e-02	2.34e-02
2	10	34	4.54e-02	-1.95	4.54e-02	-1.95	-1.70e-03	0.35	7.56e-02	7.56e-02	0.35	-3.62e-05
2	10	35	-0.27	-1.62	-0.27	-1.62	-1.70e-03	2.73e-03	-6.95e-02	2.73e-03	-6.95e-02	2.34e-05
2	10	42	3.07e-02	-1.98	9.35e-03	-1.96	-0.21	0.31	5.97e-02	6.23e-02	0.31	2.59e-02
2	10	43	-0.28	-1.63	-0.29	-1.62	-9.03e-02	1.19e-02	-6.84e-02	4.36e-03	-6.09e-02	-2.34e-02
2	10	50	-4.13e-02	-2.09	-0.13	-2.00	-0.42	0.20	9.62e-03	2.38e-02	0.19	5.05e-02
2	10	51	-0.31	-1.65	-0.33	-1.62	-0.18	3.88e-02	-5.18e-02	1.19e-02	-2.49e-02	-4.14e-02
2	10	58	-0.42	-2.38	-0.62	-2.17	-0.61	0.14	5.40e-02	9.12e-02	9.88e-02	4.09e-02
2	10	59	-0.21	-1.73	-0.29	-1.65	-0.34	0.11	4.48e-03	0.10	8.54e-03	-2.00e-02
2	10	66	0.63	-1.98	-1.38	3.06e-02	-1.10	-2.20e-02	-0.13	-0.13	-2.79e-02	2.48e-02
2	10	67	-0.12	-0.28	-0.21	-0.18	-7.96e-02	-5.98e-02	-0.30	-0.30	-5.98e-02	-2.42e-03
2	11	3	28.86	4.54	4.81	28.59	2.55	-0.33	-1.75	-1.75	-0.34	9.83e-02
2	11	4	9.01	-4.30	4.89	-0.18	-6.15	3.77	0.73	3.75	0.76	-0.26
2	11	5	29.14	4.83	4.94	29.03	-1.67	-0.35	-1.76	-1.75	-0.36	-0.10
2	11	6	9.72	-5.57	4.64	-0.49	7.21	3.75	0.72	3.72	0.74	0.26
2	11	18	28.43	4.92	4.94	28.41	0.80	-2.87e-02	-9.32e-02	-9.27e-02	-2.91e-02	5.32e-03
2	11	19	28.72	5.03	5.03	28.72	-0.21	-1.37e-02	-8.61e-02	-8.50e-02	-1.49e-02	-9.18e-03
2	11	26	27.86	5.01	5.01	27.86	0.14	-1.07e-02	-2.61e-02	-2.11e-02	-1.57e-02	-7.20e-03
2	11	27	28.16	5.09	5.09	28.16	0.16	-2.15e-04	-1.55e-02	-1.35e-02	-2.23e-03	5.17e-03
2	11	34	27.81	5.03	5.03	27.81	-1.72e-03	-1.85e-02	-3.10e-02	-3.10e-02	-1.85e-02	-5.90e-05
2	11	35	28.11	5.12	5.12	28.11	-1.72e-03	-4.14e-03	-2.34e-02	-2.34e-02	-4.14e-03	-2.14e-05
2	11	42	27.87	5.02	5.02	27.87	-0.14	-1.08e-02	-2.62e-02	-2.12e-02	-1.58e-02	7.20e-03
2	11	43	28.17	5.10	5.10	28.17	-0.16	-2.39e-04	-1.56e-02	-1.36e-02	-2.26e-03	-5.19e-03
2	11	50	28.44	4.92	4.95	28.41	-0.80	-2.88e-02	-9.35e-02	-9.31e-02	-2.92e-02	-5.34e-03
2	11	51	28.73	5.03	5.03	28.72	0.21	-1.38e-02	-8.64e-02	-8.52e-02	-1.50e-02	9.16e-03
2	11	58	28.87	4.55	4.82	28.60	-2.55	-0.33	-1.75	-1.75	-0.34	-9.82e-02
2	11	59	29.14	4.83	4.94	29.03	1.67	-0.35	-1.76	-1.75	-0.36	0.10
2	11	66	9.01	-4.30	4.89	-0.18	6.16	3.77	0.73	3.75	0.76	0.26
2	11	67	9.72	-5.57	4.64	-0.49	-7.20	3.75	0.72	3.72	0.74	-0.26
2	12	3	-1.03	-4.87	-1.07	-4.82	0.43	0.27	0.11	0.25	0.13	-4.94e-02
2	12	4	1.09	-2.84	-1.80	6.35e-02	1.73	-9.65e-02	-0.47	-0.47	-9.65e-02	-1.02e-03
2	12	5	-0.66	-4.38	-0.74	-4.30	0.54	0.27	3.60e-02	0.26	3.97e-02	2.91e-02
2	12	6	0.17	-1.01	-0.68	-0.16	-0.52	-0.13	-0.64	-0.64	-0.13	-2.09e-02
2	12	18	-0.56	-4.66	-0.59	-4.63	0.39	0.21	1.73e-02	3.22e-02	0.19	-5.11e-02
2	12	19	-0.77	-4.26	-0.79	-4.24	0.23	4.54e-02	-4.94e-02	1.96e-02	-2.36e-02	4.22e-02
2	12	26	-0.45	-4.55	-0.46	-4.54	0.21	0.32	6.15e-02	6.40e-02	0.31	-2.53e-02
2	12	27	-0.74	-4.19	-0.74	-4.19	9.00e-02	1.26e-02	-6.80e-02	5.45e-03	-6.08e-02	2.29e-02
2	12	34	-0.42	-4.53	-0.42	-4.53	1.71e-03	0.35	7.83e-02	7.83e-02	0.35	3.63e-05
2	12	35	-0.73	-4.19	-0.73	-4.19	1.71e-03	4.81e-03	-6.93e-02	4.81e-03	-6.93e-02	-2.33e-05
2	12	42	-0.45	-4.56	-0.46	-4.55	-0.21	0.32	6.16e-02	6.41e-02	0.31	2.53e-02
2	12	43	-0.74	-4.20	-0.75	-4.20	-8.76e-02	1.27e-02	-6.79e-02	5.54e-03	-6.08e-02	-2.29e-02
2	12	50	-0.56	-4.67	-0.60	-4.64	-0.39	0.21	1.76e-02	3.25e-02	0.19	5.11e-02
2	12	51	-0.77	-4.27	-0.79	-4.25	-0.23	4.56e-02	-4.93e-02	1.98e-02	-2.35e-02	-4.22e-02
2	12	58	-1.03	-4.88	-1.08	-4.83	-0.43	0.27	0.11	0.25	0.13	4.94e-02
2	12	59	-0.67	-4.38	-0.75	-4.30	-0.54	0.27	3.61e-02	0.26	3.98e-02	-2.91e-02
2	12	66	1.10	-2.84	-1.81	6.32e-02	-1.73	-9.66e-02	-0.47	-0.47	-9.66e-02	1.02e-03
2	12	67	0.16	-1.00	-0.68	-0.16	0.52	-0.13	-0.64	-0.64	-0.13	2.09e-02
2	13	3	31.53	4.98	5.26	31.25	2.73	-0.36	-1.92	-1.91	-0.37	0.11
2	13	4	9.87	-4.77	5.31	-0.21	-6.78	4.12	0.80	4.09	0.83	-0.29
2	13	5	31.80	5.26	5.40	31.67	-1.86	-0.39	-1.92	-1.91	-0.39	-0.11
2	13	6	10.60	-6.00	5.10	-0.51	7.81	4.09	0.78	4.06	0.81	0.28
2	13	18	31.06	5.38	5.40	31.04	0.83	-3.12e-02	-0.10	-0.10	-3.17e-02	5.85e-03
2	13	19	31.34	5.48	5.48	31.34	-0.25	-1.50e-02	-9.39e-02	-9.26e-02	-1.63e-02	-1.00e-02
2	13	26	30.44	5.48	5.48	30.44	0.13	-1.16e-02	-2.83e-02	-2.28e-02	-1.72e-02	-7.86e-03
2	13	27	30.73	5.55	5.55	30.73	0.16	-6.05e-05	-1.68e-02	-1.46e-02	-2.26e-03	5.65e-03

2	13	34	30.38	5.50	5.50	30.38	-1.71e-03	-2.02e-02	-3.37e-02	-3.37e-02	-2.02e-02	-3.63e-05
2	13	35	30.67	5.57	5.57	30.67	-1.71e-03	-4.35e-03	-2.55e-02	-2.55e-02	-4.35e-03	2.33e-05
2	13	42	30.45	5.48	5.48	30.45	-0.13	-1.17e-02	-2.84e-02	-2.29e-02	-1.72e-02	7.86e-03
2	13	43	30.74	5.55	5.55	30.74	-0.16	-1.15e-04	-1.69e-02	-1.47e-02	-2.30e-03	-5.64e-03
2	13	50	31.07	5.38	5.41	31.04	-0.83	-3.13e-02	-0.10	-0.10	-3.17e-02	-5.85e-03
2	13	51	31.35	5.48	5.48	31.35	0.25	-1.50e-02	-9.41e-02	-9.28e-02	-1.63e-02	1.00e-02
2	13	58	31.53	4.98	5.27	31.25	-2.72	-0.36	-1.92	-1.91	-0.37	-0.11
2	13	59	31.81	5.27	5.40	31.67	1.87	-0.39	-1.92	-1.91	-0.39	0.11
2	13	66	9.88	-4.77	5.31	-0.21	6.79	4.12	0.80	4.09	0.83	0.29
2	13	67	10.59	-6.00	5.10	-0.51	-7.81	4.09	0.78	4.06	0.81	-0.28
2	14	3	-0.42	-2.38	-0.63	-2.17	0.61	0.14	5.39e-02	9.12e-02	9.87e-02	-4.09e-02
2	14	4	0.63	-1.98	-1.38	3.06e-02	1.10	-2.20e-02	-0.13	-0.13	-2.79e-02	-2.48e-02
2	14	5	-0.21	-1.73	-0.29	-1.65	0.34	0.11	4.51e-03	0.10	8.55e-03	2.00e-02
2	14	6	-0.12	-0.28	-0.21	-0.18	7.95e-02	-5.98e-02	-0.30	-0.30	-5.98e-02	2.40e-03
2	14	18	-4.21e-02	-2.09	-0.13	-2.00	0.42	0.20	9.58e-03	2.37e-02	0.19	-5.05e-02
2	14	19	-0.31	-1.65	-0.33	-1.62	0.18	3.88e-02	-5.18e-02	1.19e-02	-2.49e-02	4.14e-02
2	14	26	3.01e-02	-1.98	8.71e-03	-1.96	0.21	0.31	5.96e-02	6.23e-02	0.31	-2.59e-02
2	14	27	-0.28	-1.63	-0.29	-1.62	9.03e-02	1.19e-02	-6.84e-02	4.34e-03	-6.09e-02	2.34e-02
2	14	34	4.54e-02	-1.95	4.54e-02	-1.95	1.72e-03	0.35	7.56e-02	7.56e-02	0.35	5.90e-05
2	14	35	-0.27	-1.62	-0.27	-1.62	1.72e-03	2.73e-03	-6.95e-02	-6.95e-02	-6.95e-02	2.14e-05
2	14	42	2.76e-02	-1.99	6.68e-03	-1.97	-0.20	0.31	5.98e-02	6.24e-02	0.31	2.59e-02
2	14	43	-0.29	-1.63	-0.29	-1.62	-8.80e-02	1.19e-02	-6.83e-02	4.45e-03	-6.08e-02	-2.33e-02
2	14	50	-4.61e-02	-2.10	-0.14	-2.01	-0.42	0.20	9.90e-03	2.41e-02	0.19	5.06e-02
2	14	51	-0.31	-1.65	-0.34	-1.63	-0.18	3.90e-02	-5.17e-02	1.22e-02	-2.49e-02	-4.13e-02
2	14	58	-0.42	-2.38	-0.63	-2.17	-0.61	0.14	5.40e-02	9.13e-02	9.88e-02	4.09e-02
2	14	59	-0.21	-1.74	-0.29	-1.66	-0.34	0.11	4.52e-03	0.10	8.58e-03	-2.01e-02
2	14	66	0.64	-1.98	-1.38	3.05e-02	-1.11	-2.21e-02	-0.13	-0.13	-2.80e-02	2.48e-02
2	14	67	-0.11	-0.28	-0.21	-0.18	-8.29e-02	-5.98e-02	-0.30	-0.30	-5.99e-02	-2.43e-03
2	15	3	28.87	4.55	4.82	28.60	2.55	-0.33	-1.75	-1.75	-0.34	9.82e-02
2	15	4	9.01	-4.30	4.89	-0.18	-6.16	3.77	0.73	3.75	0.76	-0.26
2	15	5	29.15	4.83	4.94	29.03	-1.67	-0.35	-1.76	-1.75	-0.36	-0.10
2	15	6	9.72	-5.57	4.64	-0.49	7.20	3.75	0.72	3.72	0.74	0.26
2	15	18	28.44	4.92	4.95	28.41	0.80	-2.88e-02	-9.35e-02	-9.30e-02	-2.92e-02	5.34e-03
2	15	19	28.73	5.03	5.03	28.72	-0.21	-1.38e-02	-8.64e-02	-8.52e-02	-1.50e-02	-9.16e-03
2	15	26	27.87	5.02	5.02	27.87	0.14	-1.08e-02	-2.62e-02	-2.12e-02	-1.58e-02	-7.20e-03
2	15	27	28.17	5.10	5.10	28.17	0.16	-2.43e-04	-1.56e-02	-1.36e-02	-2.26e-03	5.19e-03
2	15	34	27.81	5.03	5.03	27.81	1.69e-03	-1.85e-02	-3.10e-02	-3.10e-02	-1.85e-02	5.67e-05
2	15	35	28.11	5.12	5.12	28.11	1.69e-03	-4.14e-03	-2.34e-02	-2.34e-02	-4.14e-03	2.03e-05
2	15	42	27.86	5.01	5.01	27.86	-0.14	-1.07e-02	-2.61e-02	-2.11e-02	-1.57e-02	7.20e-03
2	15	43	28.16	5.09	5.09	28.16	-0.16	-2.12e-04	-1.55e-02	-1.35e-02	-2.22e-03	-5.17e-03
2	15	50	28.43	4.92	4.94	28.41	-0.80	-2.87e-02	-9.32e-02	-9.28e-02	-2.91e-02	-5.32e-03
2	15	51	28.72	5.02	5.03	28.72	0.21	-1.37e-02	-8.62e-02	-8.50e-02	-1.49e-02	9.18e-03
2	15	58	28.86	4.54	4.81	28.59	-2.55	-0.33	-1.75	-1.75	-0.34	-9.83e-02
2	15	59	29.14	4.83	4.94	29.02	1.67	-0.35	-1.76	-1.75	-0.36	0.10
2	15	66	9.01	-4.30	4.89	-0.18	6.15	3.77	0.73	3.75	0.76	0.26
2	15	67	9.72	-5.57	4.64	-0.49	-7.21	3.75	0.72	3.72	0.74	-0.26
2	16	3	-1.03	-4.88	-1.08	-4.83	0.43	0.27	0.11	0.25	0.13	-4.94e-02
2	16	4	1.10	-2.84	-1.81	6.33e-02	1.73	-9.66e-02	-0.47	-0.47	-9.66e-02	-1.02e-03
2	16	5	-0.67	-4.38	-0.75	-4.30	0.54	0.27	3.60e-02	0.26	3.98e-02	2.91e-02
2	16	6	0.16	-1.00	-0.68	-0.16	-0.52	-0.13	-0.64	-0.64	-0.13	-2.09e-02
2	16	18	-0.56	-4.67	-0.60	-4.64	0.39	0.21	1.76e-02	3.25e-02	0.19	-5.11e-02
2	16	19	-0.77	-4.27	-0.79	-4.25	0.23	4.56e-02	-4.93e-02	1.98e-02	-2.35e-02	4.22e-02
2	16	26	-0.45	-4.56	-0.46	-4.55	0.21	0.32	6.16e-02	6.41e-02	0.31	-2.53e-02
2	16	27	-0.74	-4.20	-0.75	-4.20	8.76e-02	1.27e-02	-6.79e-02	5.55e-03	-6.08e-02	2.29e-02
2	16	34	-0.42	-4.53	-0.42	-4.53	-1.71e-03	0.35	7.83e-02	7.83e-02	0.35	-3.83e-05
2	16	35	-0.73	-4.19	-0.73	-4.19	-1.71e-03	4.81e-03	-6.93e-02	4.81e-03	-6.93e-02	2.25e-05
2	16	42	-0.45	-4.55	-0.46	-4.54	-0.21	0.32	6.15e-02	6.40e-02	0.31	2.53e-02
2	16	43	-0.74	-4.19	-0.74	-4.19	-9.00e-02	1.26e-02	-6.80e-02	5.44e-03	-6.08e-02	-2.29e-02
2	16	50	-0.56	-4.66	-0.59	-4.63	-0.39	0.21	1.73e-02	3.22e-02	0.19	5.11e-02
2	16	51	-0.77	-4.26	-0.79	-4.24	-0.23	4.54e-02	-4.94e-02	1.96e-02	-2.36e-02	-4.22e-02
2	16	58	-1.03	-4.87	-1.07	-4.82	-0.43	0.27	0.11	0.25	0.13	4.94e-02
2	16	59	-0.66	-4.38	-0.74	-4.30	-0.54	0.27	3.60e-02	0.26	3.97e-02	-2.91e-02
2	16	66	1.09	-2.84	-1.80	6.34e-02	-1.73	-9.65e-02	-0.47	-0.47	-9.65e-02	1.02e-03
2	16	67	0.17	-1.01	-0.68	-0.16	0.52	-0.13	-0.64	-0.64	-0.13	2.09e-02
2	17	3	31.53	4.98	5.27	31.25	2.72	-0.36	-1.92	-1.91	-0.37	0.11
2	17	4	9.88	-4.77	5.31	-0.21	-6.79	4.12	0.80	4.09	0.83	-0.29
2	17	5	31.81	5.27	5.40	31.67	-1.87	-0.39	-1.92	-1.91	-0.39	-0.11
2	17	6	10.59	-6.00	5.10	-0.51	7.81	4.09	0.78	4.06	0.81	0.28
2	17	18	31.07	5.38	5.41	31.04	0.83	-3.13e-02	-0.10	-0.10	-3.18e-02	5.85e-03
2	17	19	31.35	5.48	5.48	31.35	-0.25	-1.50e-02	-9.41e-02	-9.28e-02	-1.63e-02	-1.00e-02
2	17	26	30.45	5.48	5.48	30.45	0.13	-1.17e-02	-2.84e-02	-2.29e-02	-1.72e-02	-7.86e-03
2	17	27	30.74	5.55	5.55	30.74	0.16	-1.12e-04	-1.69e-02	-1.47e-02	-2.30e-03	5.64e-03
2	17	34	30.38	5.50	5.50	30.38	1.71e-03	-2.02e-02	-3.37e-02	-3.37e-02	-2.02e-02	3.83e-05
2	17	35	30.67	5.57	5.57	30.67	1.71e-03	-4.35e-03	-2.55e-02	-2.55e-02	-4.35e-03	-2.25e-05
2	17	42	30.44	5.48	5.48	30.44	-0.13	-1.16e-02	-2.83e-02	-2.28e-02	-1.71e-02	7.86e-03
2	17	43	30.73	5.55	5.55	30.73	-0.16	-6.34e-05	-1.68e-02	-1.46e-02	-2.27e-03	-5.65e-03
2	17	50	31.06	5.38	5.41	31.04	-0.83	-3.12e-02	-0.10	-0.10	-3.17e-02	-5.85e-03

2	17	51	31.34	5.48	5.48	31.34	0.25	-1.50e-02	-9.39e-02	-9.26e-02	-1.63e-02	1.00e-02
2	17	58	31.53	4.98	5.26	31.25	-2.73	-0.36	-1.92	-1.91	-0.37	-0.11
2	17	59	31.80	5.26	5.40	31.67	1.86	-0.39	-1.92	-1.91	-0.39	0.11
2	17	66	9.87	-4.77	5.31	-0.21	6.78	4.12	0.80	4.09	0.83	0.29
2	17	67	10.60	-6.00	5.10	-0.51	-7.81	4.09	0.78	4.06	0.81	-0.28
2	18	3	-0.42	-2.38	-0.63	-2.17	0.61	0.14	5.40e-02	9.13e-02	9.88e-02	-4.09e-02
2	18	4	0.64	-1.98	-1.38	3.04e-02	1.11	-2.21e-02	-0.13	-0.13	-2.80e-02	-2.48e-02
2	18	5	-0.21	-1.74	-0.29	-1.66	0.34	0.11	4.53e-03	0.10	8.59e-03	2.01e-02
2	18	6	-0.11	-0.28	-0.21	-0.18	8.29e-02	-5.98e-02	-0.30	-0.30	-5.99e-02	2.43e-03
2	18	18	-4.67e-02	-2.10	-0.14	-2.01	0.42	0.20	9.87e-03	2.40e-02	0.19	-5.06e-02
2	18	19	-0.31	-1.65	-0.34	-1.63	0.18	3.90e-02	-5.17e-02	1.22e-02	-2.49e-02	4.13e-02
2	18	26	2.69e-02	-1.99	6.05e-03	-1.97	0.20	0.31	5.97e-02	6.24e-02	0.31	-2.59e-02
2	18	27	-0.29	-1.63	-0.29	-1.62	8.80e-02	1.19e-02	-6.83e-02	4.45e-03	-6.08e-02	2.33e-02
2	18	34	4.54e-02	-1.95	4.54e-02	-1.95	-1.69e-03	0.35	7.56e-02	7.56e-02	0.35	-5.67e-05
2	18	35	-0.27	-1.62	-0.27	-1.62	-1.69e-03	2.73e-03	-6.95e-02	2.73e-03	-6.95e-02	-2.03e-05
2	18	42	3.07e-02	-1.98	9.32e-03	-1.96	-0.21	0.31	5.97e-02	6.23e-02	0.31	2.59e-02
2	18	43	-0.28	-1.63	-0.29	-1.62	-9.03e-02	1.19e-02	-6.84e-02	4.35e-03	-6.09e-02	-2.34e-02
2	18	50	-4.14e-02	-2.09	-0.13	-2.00	-0.42	0.20	9.62e-03	2.38e-02	0.19	5.05e-02
2	18	51	-0.31	-1.65	-0.33	-1.62	-0.18	3.88e-02	-5.18e-02	1.19e-02	-2.49e-02	-4.14e-02
2	18	58	-0.42	-2.38	-0.62	-2.17	-0.61	0.14	5.39e-02	9.12e-02	9.88e-02	4.09e-02
2	18	59	-0.21	-1.73	-0.29	-1.65	-0.34	0.11	4.50e-03	0.10	8.54e-03	-2.00e-02
2	18	66	0.63	-1.98	-1.38	3.06e-02	-1.10	-2.20e-02	-0.13	-0.13	-2.79e-02	2.48e-02
2	18	67	-0.12	-0.28	-0.21	-0.18	-7.96e-02	-5.98e-02	-0.30	-0.30	-5.98e-02	-2.40e-03
2	19	3	28.86	4.54	4.81	28.59	2.55	-0.33	-1.75	-1.75	-0.34	9.83e-02
2	19	4	9.01	-4.30	4.89	-0.18	-6.15	3.77	0.73	3.75	0.76	-0.26
2	19	5	29.14	4.83	4.94	29.03	-1.67	-0.35	-1.76	-1.75	-0.36	-0.10
2	19	6	9.72	-5.57	4.64	-0.49	7.21	3.75	0.72	3.72	0.74	0.26
2	19	18	28.43	4.92	4.94	28.41	0.80	-2.87e-02	-9.32e-02	-9.27e-02	-2.91e-02	5.33e-03
2	19	19	28.72	5.03	5.03	28.72	-0.21	-1.37e-02	-8.61e-02	-8.50e-02	-1.49e-02	-9.17e-03
2	19	26	27.86	5.01	5.01	27.86	0.14	-1.07e-02	-2.61e-02	-2.11e-02	-1.57e-02	-7.20e-03
2	19	27	28.16	5.09	5.09	28.16	0.16	-2.03e-04	-1.55e-02	-1.35e-02	-2.23e-03	5.18e-03
2	19	34	27.81	5.03	5.03	27.81	-1.72e-03	-1.85e-02	-3.10e-02	-3.10e-02	-1.85e-02	-3.84e-05
2	19	35	28.11	5.12	5.12	28.11	-1.72e-03	-4.14e-03	-2.34e-02	-2.34e-02	-4.14e-03	2.24e-05
2	19	42	27.87	5.02	5.02	27.87	-0.14	-1.08e-02	-2.62e-02	-2.12e-02	-1.58e-02	7.20e-03
2	19	43	28.17	5.10	5.10	28.17	-0.16	-2.51e-04	-1.56e-02	-1.36e-02	-2.26e-03	-5.17e-03
2	19	50	28.44	4.92	4.95	28.41	-0.80	-2.88e-02	-9.35e-02	-9.31e-02	-2.92e-02	-5.33e-03
2	19	51	28.73	5.03	5.03	28.72	0.21	-1.38e-02	-8.64e-02	-8.52e-02	-1.50e-02	9.17e-03
2	19	58	28.87	4.55	4.82	28.60	-2.55	-0.33	-1.75	-1.75	-0.34	-9.83e-02
2	19	59	29.14	4.83	4.94	29.03	1.67	-0.35	-1.76	-1.75	-0.36	0.10
2	19	66	9.01	-4.30	4.89	-0.18	6.16	3.77	0.73	3.75	0.76	0.26
2	19	67	9.72	-5.57	4.64	-0.49	-7.20	3.75	0.72	3.72	0.74	-0.26
2	20	3	-1.03	-4.87	-1.07	-4.82	0.43	0.27	0.11	0.25	0.13	-4.94e-02
2	20	4	1.09	-2.84	-1.80	6.35e-02	1.73	-9.65e-02	-0.47	-0.47	-9.65e-02	-1.02e-03
2	20	5	-0.66	-4.38	-0.74	-4.30	0.54	0.27	3.60e-02	0.26	3.97e-02	2.91e-02
2	20	6	0.17	-1.01	-0.68	-0.16	-0.52	-0.13	-0.64	-0.64	-0.13	-2.09e-02
2	20	18	-0.56	-4.66	-0.59	-4.63	0.39	0.21	1.73e-02	3.22e-02	0.19	-5.11e-02
2	20	19	-0.77	-4.26	-0.79	-4.24	0.23	4.54e-02	-4.95e-02	1.96e-02	-2.36e-02	4.22e-02
2	20	26	-0.45	-4.55	-0.46	-4.54	0.21	0.32	6.15e-02	6.40e-02	0.31	-2.53e-02
2	20	27	-0.74	-4.19	-0.74	-4.19	9.00e-02	1.26e-02	-6.80e-02	5.45e-03	-6.08e-02	2.29e-02
2	20	34	-0.42	-4.53	-0.42	-4.53	1.70e-03	0.35	7.83e-02	7.83e-02	0.35	5.68e-05
2	20	35	-0.73	-4.19	-0.73	-4.19	1.70e-03	4.81e-03	-6.93e-02	4.81e-03	-6.93e-02	2.05e-05
2	20	42	-0.45	-4.56	-0.46	-4.55	-0.21	0.32	6.16e-02	6.41e-02	0.31	2.53e-02
2	20	43	-0.74	-4.20	-0.75	-4.20	-8.76e-02	1.27e-02	-6.79e-02	5.54e-03	-6.08e-02	-2.29e-02
2	20	50	-0.56	-4.67	-0.60	-4.64	-0.39	0.21	1.76e-02	3.25e-02	0.19	5.11e-02
2	20	51	-0.77	-4.27	-0.79	-4.25	-0.23	4.56e-02	-4.93e-02	1.98e-02	-2.35e-02	-4.22e-02
2	20	58	-1.03	-4.88	-1.08	-4.83	-0.43	0.27	0.11	0.25	0.13	4.94e-02
2	20	59	-0.67	-4.38	-0.75	-4.30	-0.54	0.27	3.60e-02	0.26	3.98e-02	-2.91e-02
2	20	66	1.10	-2.84	-1.81	6.32e-02	-1.73	-9.66e-02	-0.47	-0.47	-9.66e-02	1.02e-03
2	20	67	0.16	-1.00	-0.68	-0.16	0.52	-0.13	-0.64	-0.64	-0.13	2.09e-02
2	21	3	31.53	4.98	5.26	31.25	2.73	-0.36	-1.92	-1.91	-0.37	0.11
2	21	4	9.87	-4.77	5.31	-0.21	-6.78	4.12	0.80	4.09	0.83	-0.29
2	21	5	31.80	5.26	5.40	31.67	-1.86	-0.39	-1.92	-1.91	-0.39	-0.11
2	21	6	10.60	-6.00	5.10	-0.51	7.81	4.09	0.78	4.06	0.81	0.28
2	21	18	31.06	5.38	5.40	31.04	0.83	-3.12e-02	-0.10	-0.10	-3.17e-02	5.84e-03
2	21	19	31.34	5.48	5.48	31.34	-0.25	-1.50e-02	-9.39e-02	-9.26e-02	-1.63e-02	-1.01e-02
2	21	26	30.44	5.48	5.48	30.44	0.13	-1.16e-02	-2.83e-02	-2.28e-02	-1.72e-02	-7.86e-03
2	21	27	30.73	5.55	5.55	30.73	0.16	-7.28e-05	-1.68e-02	-1.46e-02	-2.26e-03	5.64e-03
2	21	34	30.38	5.50	5.50	30.38	-1.70e-03	-2.02e-02	-3.37e-02	-3.37e-02	-2.02e-02	-5.68e-05
2	21	35	30.67	5.57	5.57	30.67	-1.70e-03	-4.35e-03	-2.55e-02	-2.55e-02	-4.35e-03	-2.05e-05
2	21	42	30.45	5.48	5.48	30.45	-0.13	-1.17e-02	-2.84e-02	-2.29e-02	-1.72e-02	7.86e-03
2	21	43	30.74	5.55	5.55	30.74	-0.16	-1.02e-04	-1.69e-02	-1.47e-02	-2.30e-03	-5.66e-03
2	21	50	31.07	5.38	5.41	31.04	-0.83	-3.13e-02	-0.10	-0.10	-3.17e-02	-5.85e-03
2	21	51	31.35	5.48	5.48	31.35	0.25	-1.50e-02	-9.41e-02	-9.28e-02	-1.63e-02	1.00e-02
2	21	58	31.53	4.98	5.27	31.25	-2.72	-0.36	-1.92	-1.91	-0.37	-0.11
2	21	59	31.81	5.27	5.40	31.67	1.87	-0.39	-1.92	-1.91	-0.39	0.11
2	21	66	9.88	-4.77	5.31	-0.21	6.79	4.12	0.80	4.09	0.83	0.29
2	21	67	10.59	-6.00	5.10	-0.51	-7.81	4.09	0.78	4.06	0.81	-0.28

2	22	3	-0.42	-2.38	-0.63	-2.17	0.61	0.14	5.39e-02	9.12e-02	9.87e-02	-4.09e-02
2	22	4	0.63	-1.98	-1.38	3.06e-02	1.10	-2.20e-02	-0.13	-0.13	-2.79e-02	-2.48e-02
2	22	5	-0.21	-1.73	-0.29	-1.65	0.34	0.11	4.49e-03	0.10	8.55e-03	2.00e-02
2	22	6	-0.12	-0.28	-0.21	-0.18	7.95e-02	-5.98e-02	-0.30	-0.30	-5.98e-02	2.42e-03
2	22	18	-4.20e-02	-2.09	-0.13	-2.00	0.42	0.20	9.58e-03	2.37e-02	0.19	-5.05e-02
2	22	19	-0.31	-1.65	-0.33	-1.62	0.18	3.88e-02	-5.18e-02	1.19e-02	-2.49e-02	4.14e-02
2	22	26	3.01e-02	-1.98	8.72e-03	-1.96	0.21	0.31	5.96e-02	6.23e-02	0.31	-2.59e-02
2	22	27	-0.28	-1.63	-0.29	-1.62	9.03e-02	1.18e-02	-6.84e-02	4.35e-03	-6.09e-02	2.34e-02
2	22	34	4.54e-02	-1.95	4.54e-02	-1.95	1.72e-03	0.35	7.56e-02	7.56e-02	0.35	3.84e-05
2	22	35	-0.27	-1.62	-0.27	-1.62	1.72e-03	2.73e-03	-6.95e-02	2.73e-03	-6.95e-02	-2.24e-05
2	22	42	2.75e-02	-1.99	6.66e-03	-1.97	-0.20	0.31	5.98e-02	6.24e-02	0.31	2.59e-02
2	22	43	-0.29	-1.63	-0.29	-1.62	-8.80e-02	1.19e-02	-6.83e-02	4.45e-03	-6.08e-02	-2.34e-02
2	22	50	-4.61e-02	-2.10	-0.14	-2.01	-0.42	0.20	9.91e-03	2.41e-02	0.19	5.05e-02
2	22	51	-0.31	-1.65	-0.34	-1.63	-0.18	3.90e-02	-5.17e-02	1.22e-02	-2.49e-02	-4.14e-02
2	22	58	-0.42	-2.38	-0.63	-2.17	-0.61	0.14	5.40e-02	9.13e-02	9.88e-02	4.09e-02
2	22	59	-0.21	-1.74	-0.29	-1.66	-0.34	0.11	4.53e-03	0.10	8.58e-03	-2.00e-02
2	22	66	0.64	-1.98	-1.38	3.05e-02	-1.11	-2.21e-02	-0.13	-0.13	-2.80e-02	2.48e-02
2	22	67	-0.11	-0.28	-0.21	-0.18	-8.29e-02	-5.98e-02	-0.30	-0.30	-5.99e-02	-2.41e-03
2	23	3	110.58	17.91	18.61	109.88	8.03	-1.32	-6.70	-6.68	-1.35	0.36
2	23	4	35.51	-18.64	18.04	-1.17	-25.32	14.35	2.77	14.27	2.86	-0.99
2	23	5	110.64	18.26	18.90	110.00	-7.66	-1.29	-6.68	-6.65	-1.32	-0.38
2	23	6	36.54	-18.77	18.99	-1.22	25.74	14.21	2.74	14.13	2.83	0.97
2	23	18	108.96	19.02	19.06	108.92	1.88	-0.11	-0.35	-0.35	-0.11	2.11e-02
2	23	19	109.04	18.88	18.91	109.02	-1.62	-5.07e-02	-0.32	-0.32	-5.55e-02	-3.57e-02
2	23	26	106.81	19.30	19.30	106.81	-4.49e-02	-3.81e-02	-9.45e-02	-7.36e-02	-5.90e-02	-2.72e-02
2	23	27	106.91	18.95	18.96	106.91	0.19	4.13e-03	-5.45e-02	-4.70e-02	-3.40e-03	1.96e-02
2	23	34	106.59	19.37	19.37	106.59	5.67e-03	-6.98e-02	-0.11	-0.11	-6.98e-02	1.55e-04
2	23	35	106.69	18.96	18.96	106.69	5.67e-03	-1.01e-02	-8.53e-02	-8.53e-02	-1.01e-02	-1.04e-05
2	23	42	106.79	19.30	19.30	106.79	5.27e-02	-3.79e-02	-9.43e-02	-7.33e-02	-5.89e-02	2.72e-02
2	23	43	106.89	18.95	18.95	106.89	-0.18	4.26e-03	-5.42e-02	-4.66e-02	-3.28e-03	-1.96e-02
2	23	50	108.93	19.00	19.04	108.90	-1.88	-0.10	-0.35	-0.35	-0.11	-2.10e-02
2	23	51	109.02	18.87	18.90	108.99	1.62	-5.04e-02	-0.32	-0.32	-5.52e-02	3.57e-02
2	23	58	110.57	17.90	18.60	109.86	-8.04	-1.32	-6.70	-6.68	-1.35	-0.36
2	23	59	110.62	18.25	18.89	109.98	7.66	-1.29	-6.68	-6.65	-1.32	0.38
2	23	66	35.50	-18.63	18.03	-1.17	25.30	14.35	2.77	14.26	2.86	0.99
2	23	67	36.55	-18.78	18.99	-1.22	-25.75	14.21	2.74	14.13	2.83	-0.97
2	24	3	-0.28	-2.29	-1.04	-1.53	0.97	0.27	-7.33e-02	-1.29e-02	0.21	-0.13
2	24	4	-0.13	-4.50	-4.27	-0.37	0.99	0.26	-4.66e-02	0.20	1.04e-02	-0.12
2	24	5	8.13e-03	-1.18	-7.10e-02	-1.10	-0.30	0.11	-1.37e-02	7.59e-02	2.25e-02	5.70e-02
2	24	6	1.26	-0.13	1.26	-0.13	-5.61e-03	-6.09e-02	-0.43	-0.42	-6.52e-02	3.91e-02
2	24	18	0.71	-1.39	0.57	-1.24	0.53	0.68	2.32e-02	6.89e-02	0.63	-0.17
2	24	19	-0.42	-0.97	-0.49	-0.91	-0.17	0.12	-0.17	3.25e-02	-8.39e-02	0.14
2	24	26	1.06	-1.25	1.04	-1.23	0.20	1.05	0.20	0.21	1.04	-8.75e-02
2	24	27	-0.52	-0.97	-0.52	-0.97	-4.51e-02	4.24e-02	-0.22	1.68e-02	-0.20	7.86e-02
2	24	34	1.18	-1.20	1.18	-1.20	-5.67e-03	1.17	0.25	0.25	1.17	-1.62e-04
2	24	35	-0.52	-0.96	-0.52	-0.96	-5.67e-03	8.78e-03	-0.23	8.78e-03	-0.23	-3.02e-06
2	24	42	1.07	-1.24	1.05	-1.22	-0.20	1.05	0.20	0.21	1.04	8.75e-02
2	24	43	-0.51	-0.95	-0.51	-0.95	3.73e-02	4.21e-02	-0.22	1.65e-02	-0.20	-7.86e-02
2	24	50	0.72	-1.36	0.58	-1.21	-0.53	0.68	2.22e-02	6.79e-02	0.63	0.17
2	24	51	-0.41	-0.94	-0.48	-0.88	0.17	0.12	-0.17	3.18e-02	-8.42e-02	-0.14
2	24	58	-0.28	-2.27	-1.03	-1.52	-0.97	0.27	-7.37e-02	-1.33e-02	0.21	0.13
2	24	59	2.37e-02	-1.17	-5.99e-02	-1.09	0.30	0.11	-1.38e-02	7.56e-02	2.24e-02	-5.69e-02
2	24	66	-0.14	-4.50	-4.27	-0.37	-0.98	0.26	-4.60e-02	0.20	1.08e-02	0.12
2	24	67	1.26	-0.13	1.26	-0.13	1.68e-02	-6.07e-02	-0.42	-0.42	-6.49e-02	-3.91e-02
2	25	3	111.38	18.04	18.74	110.68	8.08	-1.33	-6.75	-6.73	-1.36	0.36
2	25	4	35.77	-18.79	18.17	-1.18	-25.50	14.45	2.79	14.37	2.88	-1.00
2	25	5	111.44	18.39	19.03	110.79	-7.72	-1.30	-6.72	-6.70	-1.33	-0.38
2	25	6	36.80	-18.90	19.13	-1.23	25.92	14.31	2.76	14.23	2.85	0.98
2	25	18	109.75	19.16	19.20	109.71	1.89	-0.11	-0.35	-0.35	-0.11	2.12e-02
2	25	19	109.83	19.01	19.04	109.80	-1.63	-5.11e-02	-0.32	-0.32	-5.59e-02	-3.59e-02
2	25	26	107.58	19.44	19.44	107.58	-4.69e-02	-3.84e-02	-9.52e-02	-7.41e-02	-5.94e-02	-2.74e-02
2	25	27	107.68	19.09	19.09	107.68	0.19	4.17e-03	-5.49e-02	-4.73e-02	-3.41e-03	1.98e-02
2	25	34	107.36	19.51	19.51	107.36	5.67e-03	-7.03e-02	-0.11	-0.11	-7.03e-02	1.62e-04
2	25	35	107.46	19.10	19.10	107.46	5.67e-03	-1.01e-02	-8.60e-02	-8.60e-02	-1.01e-02	3.02e-06
2	25	42	107.57	19.44	19.44	107.57	5.47e-02	-3.82e-02	-9.49e-02	-7.38e-02	-5.93e-02	2.74e-02
2	25	43	107.66	19.08	19.08	107.66	-0.18	4.30e-03	-5.46e-02	-4.70e-02	-3.29e-03	-1.97e-02
2	25	50	109.72	19.14	19.18	109.68	-1.89	-0.11	-0.35	-0.35	-0.11	-2.12e-02
2	25	51	109.80	19.01	19.03	109.77	1.63	-5.08e-02	-0.32	-0.32	-5.56e-02	3.60e-02
2	25	58	111.37	18.03	18.73	110.66	-8.09	-1.33	-6.75	-6.73	-1.36	-0.36
2	25	59	111.42	18.38	19.02	110.78	7.71	-1.30	-6.72	-6.70	-1.33	0.38
2	25	66	35.76	-18.78	18.16	-1.18	25.49	14.45	2.79	14.37	2.88	1.00
2	25	67	36.81	-18.91	19.13	-1.23	-25.94	14.31	2.76	14.23	2.85	-0.98
2	26	3	0.21	-1.85	-0.90	-0.74	1.03	0.26	-0.11	-6.12e-02	0.20	-0.13
2	26	4	-0.22	-4.30	-4.14	-0.38	0.80	0.36	-1.83e-02	0.31	3.10e-02	-0.13
2	26	5	0.28	-0.52	6.53e-02	-0.31	-0.36	7.54e-02	-3.42e-02	2.80e-02	1.32e-02	5.43e-02
2	26	6	1.42	-0.16	1.40	-0.14	0.18	-3.72e-02	-0.33	-0.32	-4.47e-02	4.61e-02
2	26	18	0.92	-0.66	0.70	-0.45	0.54	0.68	2.09e-02	6.64e-02	0.63	-0.17

2	26	19	-1.60e-02	-0.46	-0.35	-0.12	-0.19	0.12	-0.17	3.03e-02	-8.43e-02	0.14
2	26	26	1.21	-0.48	1.18	-0.46	0.19	1.05	0.20	0.21	1.04	-8.77e-02
2	26	27	-0.18	-0.40	-0.39	-0.20	-4.50e-02	4.22e-02	-0.22	1.65e-02	-0.20	7.88e-02
2	26	34	1.32	-0.43	1.32	-0.43	-5.67e-03	1.17	0.25	0.25	1.17	-1.55e-04
2	26	35	-0.19	-0.38	-0.38	-0.19	-5.67e-03	8.16e-03	-0.23	8.16e-03	-0.23	1.04e-05
2	26	42	1.22	-0.47	1.19	-0.44	-0.20	1.05	0.20	0.21	1.04	8.77e-02
2	26	43	-0.17	-0.38	-0.38	-0.18	3.72e-02	4.19e-02	-0.22	1.61e-02	-0.20	-7.88e-02
2	26	50	0.93	-0.64	0.72	-0.42	-0.54	0.68	1.99e-02	6.54e-02	0.63	0.17
2	26	51	7.94e-03	-0.44	-0.34	-9.26e-02	0.19	0.12	-0.17	2.95e-02	-8.46e-02	-0.14
2	26	58	0.22	-1.83	-0.89	-0.72	-1.02	0.26	-0.11	-6.16e-02	0.20	0.13
2	26	59	0.30	-0.52	7.67e-02	-0.29	0.36	7.51e-02	-3.44e-02	2.76e-02	1.30e-02	-5.42e-02
2	26	66	-0.22	-4.30	-4.14	-0.38	-0.79	0.36	-1.78e-02	0.31	3.13e-02	0.13
2	26	67	1.42	-0.15	1.40	-0.14	-0.16	-3.69e-02	-0.33	-0.32	-4.44e-02	-4.61e-02
2	27	3	110.58	17.91	18.61	109.88	8.03	-1.32	-6.70	-6.68	-1.35	0.36
2	27	4	35.51	-18.64	18.04	-1.17	-25.32	14.35	2.77	14.27	2.86	-0.99
2	27	5	110.64	18.26	18.90	110.00	-7.66	-1.29	-6.68	-6.65	-1.32	-0.38
2	27	6	36.54	-18.77	18.99	-1.22	25.74	14.21	2.74	14.13	2.83	0.97
2	27	18	108.96	19.02	19.06	108.92	1.88	-0.11	-0.35	-0.35	-0.11	2.11e-02
2	27	19	109.04	18.88	18.91	109.02	-1.62	-5.07e-02	-0.32	-0.32	-5.55e-02	-3.57e-02
2	27	26	106.81	19.30	19.30	106.81	-4.49e-02	-3.81e-02	-9.45e-02	-7.36e-02	-5.90e-02	-2.72e-02
2	27	27	106.91	18.95	18.96	106.91	0.19	4.13e-03	-5.45e-02	-4.70e-02	-3.40e-03	1.96e-02
2	27	34	106.59	19.37	19.37	106.59	5.67e-03	-6.98e-02	-0.11	-0.11	-6.98e-02	1.61e-04
2	27	35	106.69	18.96	18.96	106.69	5.67e-03	-1.01e-02	-8.53e-02	-8.53e-02	-1.01e-02	2.74e-06
2	27	42	106.79	19.30	19.30	106.79	5.27e-02	-3.79e-02	-9.42e-02	-7.33e-02	-5.89e-02	2.72e-02
2	27	43	106.89	18.95	18.95	106.89	-0.18	4.26e-03	-5.42e-02	-4.66e-02	-3.28e-03	-1.96e-02
2	27	50	108.93	19.00	19.04	108.90	-1.88	-0.10	-0.35	-0.35	-0.11	-2.10e-02
2	27	51	109.02	18.87	18.90	108.99	1.62	-5.04e-02	-0.32	-0.32	-5.52e-02	3.57e-02
2	27	58	110.57	17.90	18.60	109.86	-8.04	-1.32	-6.70	-6.68	-1.35	-0.36
2	27	59	110.62	18.25	18.89	109.98	7.66	-1.29	-6.68	-6.65	-1.32	0.38
2	27	66	35.50	-18.63	18.03	-1.17	25.30	14.35	2.77	14.26	2.86	0.99
2	27	67	36.55	-18.78	18.99	-1.22	-25.75	14.21	2.74	14.13	2.83	-0.97
2	28	3	-0.28	-2.29	-1.04	-1.53	0.97	0.27	-7.33e-02	-1.29e-02	0.21	-0.13
2	28	4	-0.13	-4.50	-4.27	-0.37	0.99	0.26	-4.66e-02	0.20	1.04e-02	-0.12
2	28	5	8.12e-03	-1.18	-7.10e-02	-1.10	-0.30	0.11	-1.37e-02	7.59e-02	2.25e-02	5.70e-02
2	28	6	1.26	-0.13	1.26	-0.13	-5.61e-03	-6.09e-02	-0.43	-0.42	-6.52e-02	3.91e-02
2	28	18	0.71	-1.39	0.57	-1.24	0.53	0.68	2.32e-02	6.89e-02	0.63	-0.17
2	28	19	-0.42	-0.97	-0.49	-0.91	-0.17	0.12	-0.17	3.25e-02	-8.39e-02	0.14
2	28	26	1.06	-1.25	1.04	-1.23	0.20	1.05	0.20	0.21	1.04	-8.75e-02
2	28	27	-0.52	-0.97	-0.52	-0.97	-4.51e-02	4.24e-02	-0.22	1.68e-02	-0.20	7.86e-02
2	28	34	1.18	-1.20	1.18	-1.20	-5.67e-03	1.17	0.25	0.25	1.17	-1.56e-04
2	28	35	-0.52	-0.96	-0.52	-0.96	-5.67e-03	8.78e-03	-0.23	8.78e-03	-0.23	1.01e-05
2	28	42	1.07	-1.24	1.05	-1.22	-0.20	1.05	0.20	0.21	1.04	8.75e-02
2	28	43	-0.51	-0.95	-0.51	-0.95	3.73e-02	4.21e-02	-0.22	1.65e-02	-0.20	-7.86e-02
2	28	50	0.72	-1.36	0.58	-1.21	-0.53	0.68	2.22e-02	6.79e-02	0.63	0.17
2	28	51	-0.41	-0.94	-0.48	-0.88	0.17	0.12	-0.17	3.18e-02	-8.42e-02	-0.14
2	28	58	-0.28	-2.27	-1.03	-1.52	-0.97	0.27	-7.37e-02	-1.33e-02	0.21	0.13
2	28	59	2.38e-02	-1.17	-5.99e-02	-1.09	0.30	0.11	-1.38e-02	7.56e-02	2.24e-02	-5.69e-02
2	28	66	-0.14	-4.50	-4.27	-0.37	-0.98	0.26	-4.60e-02	0.20	1.08e-02	0.12
2	28	67	1.26	-0.13	1.26	-0.13	1.68e-02	-6.07e-02	-0.42	-0.42	-6.49e-02	-3.91e-02
2	29	3	111.38	18.04	18.74	110.68	8.08	-1.33	-6.75	-6.74	-1.36	0.36
2	29	4	35.77	-18.79	18.17	-1.18	-25.50	14.45	2.79	14.37	2.88	-1.00
2	29	5	111.44	18.39	19.03	110.79	-7.72	-1.30	-6.72	-6.70	-1.33	-0.38
2	29	6	36.80	-18.90	19.13	-1.23	25.92	14.31	2.76	14.23	2.85	0.98
2	29	18	109.75	19.16	19.20	109.71	1.89	-0.11	-0.35	-0.35	-0.11	2.12e-02
2	29	19	109.83	19.01	19.04	109.80	-1.63	-5.11e-02	-0.32	-0.32	-5.59e-02	-3.59e-02
2	29	26	107.58	19.44	19.44	107.58	-4.69e-02	-3.84e-02	-9.52e-02	-7.41e-02	-5.94e-02	-2.74e-02
2	29	27	107.68	19.09	19.09	107.68	0.19	4.17e-03	-5.49e-02	-4.73e-02	-3.41e-03	1.98e-02
2	29	34	107.36	19.51	19.51	107.36	5.67e-03	-7.03e-02	-0.11	-0.11	-7.03e-02	1.56e-04
2	29	35	107.46	19.10	19.10	107.46	5.67e-03	-1.01e-02	-8.60e-02	-8.60e-02	-1.01e-02	-1.01e-05
2	29	42	107.57	19.44	19.44	107.57	5.47e-02	-3.82e-02	-9.49e-02	-7.38e-02	-5.93e-02	2.74e-02
2	29	43	107.66	19.08	19.08	107.66	-0.18	4.30e-03	-5.46e-02	-4.70e-02	-3.29e-03	-1.97e-02
2	29	50	109.72	19.14	19.18	109.68	-1.89	-0.11	-0.35	-0.35	-0.11	-2.12e-02
2	29	51	109.80	19.01	19.03	109.77	1.63	-5.08e-02	-0.32	-0.32	-5.56e-02	3.60e-02
2	29	58	111.37	18.03	18.73	110.66	-8.09	-1.33	-6.75	-6.73	-1.36	-0.36
2	29	59	111.42	18.38	19.02	110.78	7.71	-1.30	-6.72	-6.70	-1.33	0.38
2	29	66	35.76	-18.78	18.16	-1.18	25.49	14.45	2.79	14.37	2.88	1.00
2	29	67	36.81	-18.91	19.13	-1.23	-25.94	14.31	2.76	14.23	2.85	-0.98
2	30	3	0.21	-1.85	-0.90	-0.74	1.03	0.26	-0.11	-6.12e-02	0.20	-0.13
2	30	4	-0.22	-4.30	-4.14	-0.38	0.80	0.36	-1.83e-02	0.31	3.10e-02	-0.13
2	30	5	0.28	-0.52	6.54e-02	-0.31	-0.36	7.54e-02	-3.42e-02	2.80e-02	1.32e-02	5.43e-02
2	30	6	1.42	-0.16	1.40	-0.14	0.18	-3.72e-02	-0.33	-0.32	-4.47e-02	4.61e-02
2	30	18	0.92	-0.66	0.70	-0.45	0.54	0.68	2.09e-02	6.64e-02	0.63	-0.17
2	30	19	-1.60e-02	-0.46	-0.35	-0.12	-0.19	0.12	-0.17	3.03e-02	-8.43e-02	0.14
2	30	26	1.21	-0.48	1.18	-0.46	0.19	1.05	0.20	0.21	1.04	-8.77e-02
2	30	27	-0.18	-0.40	-0.39	-0.20	-4.50e-02	4.22e-02	-0.22	1.65e-02	-0.20	7.88e-02
2	30	34	1.32	-0.43	1.32	-0.43	-5.67e-03	1.17	0.25	0.25	1.17	-1.61e-04
2	30	35	-0.19	-0.38	-0.38	-0.19	-5.67e-03	8.16e-03	-0.23	8.16e-03	-0.23	-2.74e-06

2	30	42	1.22	-0.47	1.19	-0.44	-0.20	1.05	0.20	0.21	1.04	8.77e-02
2	30	43	-0.17	-0.38	-0.38	-0.18	3.72e-02	4.19e-02	-0.22	1.61e-02	-0.20	-7.88e-02
2	30	50	0.93	-0.64	0.72	-0.42	-0.54	0.68	1.99e-02	6.54e-02	0.63	0.17
2	30	51	7.94e-03	-0.44	-0.34	-9.26e-02	0.19	0.12	-0.17	2.95e-02	-8.46e-02	-0.14
2	30	58	0.22	-1.83	-0.89	-0.72	-1.02	0.26	-0.11	-6.16e-02	0.20	0.13
2	30	59	0.30	-0.52	7.67e-02	-0.29	0.36	7.50e-02	-3.44e-02	2.76e-02	1.30e-02	-5.42e-02
2	30	66	-0.22	-4.30	-4.14	-0.38	-0.79	0.36	-1.78e-02	0.31	3.13e-02	0.13
2	30	67	1.42	-0.15	1.40	-0.14	-0.16	-3.69e-02	-0.33	-0.32	-4.44e-02	-4.61e-02
2	31	3	110.57	17.90	18.60	109.86	8.04	-1.32	-6.70	-6.68	-1.35	0.36
2	31	4	35.50	-18.63	18.03	-1.17	-25.30	14.35	2.77	14.26	2.86	-0.99
2	31	5	110.62	18.25	18.89	109.98	-7.66	-1.29	-6.68	-6.65	-1.32	-0.38
2	31	6	36.55	-18.78	18.99	-1.22	25.75	14.21	2.74	14.13	2.83	0.97
2	31	18	108.93	19.00	19.04	108.90	1.88	-0.10	-0.35	-0.35	-0.11	2.10e-02
2	31	19	109.02	18.87	18.90	108.99	-1.62	-5.04e-02	-0.32	-0.32	-5.52e-02	-3.57e-02
2	31	26	106.79	19.30	19.30	106.79	-5.27e-02	-3.79e-02	-9.42e-02	-7.33e-02	-5.89e-02	-2.72e-02
2	31	27	106.89	18.95	18.95	106.89	0.18	4.26e-03	-5.42e-02	-4.66e-02	-3.28e-03	1.96e-02
2	31	34	106.59	19.37	19.37	106.59	-5.70e-03	-6.98e-02	-0.11	-0.11	-6.98e-02	-1.62e-04
2	31	35	106.69	18.96	18.96	106.69	-5.70e-03	-1.01e-02	-8.53e-02	-8.53e-02	-1.01e-02	-3.58e-06
2	31	42	106.81	19.30	19.30	106.81	4.49e-02	-3.81e-02	-9.45e-02	-7.36e-02	-5.90e-02	2.72e-02
2	31	43	106.91	18.95	18.95	106.91	-0.19	4.13e-03	-5.45e-02	-4.70e-02	-3.40e-03	-1.96e-02
2	31	50	108.96	19.02	19.06	108.92	-1.88	-0.11	-0.35	-0.35	-0.11	-2.11e-02
2	31	51	109.04	18.88	18.91	109.02	1.62	-5.07e-02	-0.32	-0.32	-5.55e-02	3.57e-02
2	31	58	110.58	17.91	18.61	109.88	-8.03	-1.32	-6.70	-6.68	-1.35	-0.36
2	31	59	110.64	18.26	18.90	110.00	7.66	-1.29	-6.68	-6.65	-1.32	0.38
2	31	66	35.51	-18.64	18.04	-1.17	25.32	14.35	2.77	14.27	2.86	0.99
2	31	67	36.54	-18.77	18.99	-1.22	-25.74	14.21	2.74	14.13	2.83	-0.97
2	32	3	-0.28	-2.27	-1.03	-1.52	0.97	0.27	-7.37e-02	-1.33e-02	0.21	-0.13
2	32	4	-0.14	-4.50	-4.26	-0.37	0.98	0.26	-4.60e-02	0.20	1.08e-02	-0.12
2	32	5	2.38e-02	-1.17	-5.99e-02	-1.09	-0.30	0.11	-1.38e-02	7.56e-02	2.24e-02	5.69e-02
2	32	6	1.26	-0.13	1.26	-0.13	-1.69e-02	-6.07e-02	-0.42	-0.42	-6.49e-02	3.91e-02
2	32	18	0.72	-1.36	0.58	-1.21	0.53	0.68	2.22e-02	6.79e-02	0.63	-0.17
2	32	19	-0.41	-0.94	-0.48	-0.88	-0.17	0.12	-0.17	3.18e-02	-8.42e-02	0.14
2	32	26	1.07	-1.24	1.05	-1.22	0.20	1.05	0.20	0.21	1.04	-8.75e-02
2	32	27	-0.51	-0.95	-0.51	-0.95	-3.73e-02	4.21e-02	-0.22	1.65e-02	-0.20	7.86e-02
2	32	34	1.18	-1.20	1.18	-1.20	5.70e-03	1.17	0.25	0.25	1.17	1.55e-04
2	32	35	-0.52	-0.96	-0.52	-0.96	5.70e-03	8.78e-03	-0.23	8.78e-03	-0.23	-9.82e-06
2	32	42	1.06	-1.25	1.04	-1.23	-0.20	1.05	0.20	0.21	1.04	8.75e-02
2	32	43	-0.52	-0.97	-0.52	-0.97	4.51e-02	4.24e-02	-0.22	1.68e-02	-0.20	-7.86e-02
2	32	50	0.71	-1.39	0.57	-1.24	-0.53	0.68	2.32e-02	6.89e-02	0.63	0.17
2	32	51	-0.42	-0.97	-0.49	-0.91	0.17	0.12	-0.17	3.26e-02	-8.39e-02	-0.14
2	32	58	-0.28	-2.29	-1.04	-1.53	-0.97	0.27	-7.33e-02	-1.29e-02	0.21	0.13
2	32	59	8.03e-03	-1.18	-7.11e-02	-1.10	0.30	0.11	-1.37e-02	7.59e-02	2.25e-02	-5.70e-02
2	32	66	-0.13	-4.50	-4.27	-0.37	-0.99	0.26	-4.66e-02	0.20	1.04e-02	0.12
2	32	67	1.26	-0.13	1.26	-0.13	5.66e-03	-6.09e-02	-0.43	-0.42	-6.52e-02	-3.91e-02
2	33	3	111.37	18.03	18.73	110.66	8.09	-1.33	-6.75	-6.73	-1.36	0.36
2	33	4	35.76	-18.78	18.16	-1.18	-25.49	14.45	2.79	14.37	2.88	-1.00
2	33	5	111.42	18.38	19.02	110.78	-7.71	-1.30	-6.72	-6.70	-1.33	-0.38
2	33	6	36.81	-18.91	19.13	-1.23	25.94	14.31	2.76	14.23	2.85	0.98
2	33	18	109.72	19.14	19.18	109.68	1.89	-0.11	-0.35	-0.35	-0.11	2.12e-02
2	33	19	109.80	19.01	19.03	109.77	-1.63	-5.08e-02	-0.32	-0.32	-5.56e-02	-3.60e-02
2	33	26	107.57	19.44	19.44	107.57	-5.48e-02	-3.82e-02	-9.49e-02	-7.38e-02	-5.93e-02	-2.74e-02
2	33	27	107.66	19.08	19.08	107.66	0.18	4.31e-03	-5.46e-02	-4.70e-02	-3.29e-03	1.97e-02
2	33	34	107.36	19.51	19.51	107.36	-5.70e-03	-7.03e-02	-0.11	-0.11	-7.03e-02	-1.55e-04
2	33	35	107.46	19.10	19.10	107.46	-5.70e-03	-1.01e-02	-8.60e-02	-8.60e-02	-1.01e-02	9.82e-06
2	33	42	107.58	19.44	19.44	107.58	4.69e-02	-3.84e-02	-9.52e-02	-7.41e-02	-5.94e-02	2.74e-02
2	33	43	107.68	19.09	19.09	107.68	-0.19	4.17e-03	-5.49e-02	-4.73e-02	-3.41e-03	-1.98e-02
2	33	50	109.75	19.16	19.20	109.71	-1.89	-0.11	-0.35	-0.35	-0.11	-2.12e-02
2	33	51	109.83	19.01	19.04	109.80	1.63	-5.11e-02	-0.32	-0.32	-5.59e-02	3.59e-02
2	33	58	111.38	18.04	18.74	110.68	-8.08	-1.33	-6.75	-6.73	-1.36	-0.36
2	33	59	111.44	18.39	19.03	110.79	7.72	-1.30	-6.72	-6.70	-1.33	0.38
2	33	66	35.77	-18.79	18.17	-1.18	25.50	14.45	2.79	14.37	2.88	1.00
2	33	67	36.80	-18.90	19.13	-1.23	-25.92	14.31	2.76	14.23	2.85	-0.98
2	34	3	0.22	-1.83	-0.89	-0.72	1.02	0.26	-0.11	-6.16e-02	0.20	-0.13
2	34	4	-0.22	-4.29	-4.14	-0.38	0.79	0.36	-1.78e-02	0.31	3.13e-02	-0.13
2	34	5	0.30	-0.52	7.65e-02	-0.29	-0.36	7.51e-02	-3.44e-02	2.77e-02	1.30e-02	5.42e-02
2	34	6	1.42	-0.15	1.40	-0.14	0.16	-3.69e-02	-0.33	-0.32	-4.44e-02	4.61e-02
2	34	18	0.93	-0.64	0.72	-0.42	0.54	0.68	1.99e-02	6.53e-02	0.63	-0.17
2	34	19	7.86e-03	-0.44	-0.34	-9.27e-02	-0.19	0.12	-0.17	2.95e-02	-8.46e-02	0.14
2	34	26	1.22	-0.47	1.19	-0.44	0.20	1.05	0.20	0.21	1.04	-8.77e-02
2	34	27	-0.17	-0.38	-0.38	-0.18	-3.71e-02	4.19e-02	-0.22	1.61e-02	-0.20	7.88e-02
2	34	34	1.32	-0.43	1.32	-0.43	5.70e-03	1.17	0.25	0.25	1.17	1.62e-04
2	34	35	-0.19	-0.38	-0.38	-0.19	5.70e-03	8.16e-03	-0.23	8.16e-03	-0.23	3.58e-06
2	34	42	1.21	-0.48	1.18	-0.46	-0.19	1.05	0.20	0.21	1.04	8.77e-02
2	34	43	-0.18	-0.40	-0.38	-0.19	4.50e-02	4.22e-02	-0.22	1.65e-02	-0.20	-7.88e-02
2	34	50	0.92	-0.66	0.71	-0.45	-0.54	0.68	2.09e-02	6.64e-02	0.63	0.17
2	34	51	-1.60e-02	-0.46	-0.35	-0.12	0.19	0.12	-0.17	3.03e-02	-8.43e-02	-0.14
2	34	58	0.21	-1.85	-0.90	-0.74	-1.03	0.26	-0.11	-6.12e-02	0.20	0.13

2	34	59	0.28	-0.52	6.54e-02	-0.31	0.36	7.54e-02	-3.42e-02	2.80e-02	1.32e-02	-5.43e-02
2	34	66	-0.22	-4.30	-4.14	-0.38	-0.80	0.36	-1.83e-02	0.31	3.10e-02	0.13
2	34	67	1.42	-0.16	1.40	-0.14	-0.18	-3.72e-02	-0.33	-0.32	-4.47e-02	-4.61e-02
2	35	3	110.57	17.90	18.60	109.86	8.04	-1.32	-6.70	-6.68	-1.35	0.36
2	35	4	35.50	-18.63	18.03	-1.17	-25.30	14.35	2.77	14.26	2.86	-0.99
2	35	5	110.62	18.25	18.89	109.98	-7.66	-1.29	-6.68	-6.65	-1.32	-0.38
2	35	6	36.55	-18.78	18.99	-1.22	25.75	14.21	2.74	14.13	2.83	0.97
2	35	18	108.93	19.00	19.04	108.90	1.88	-0.10	-0.35	-0.35	-0.11	2.10e-02
2	35	19	109.02	18.87	18.90	108.99	-1.62	-5.04e-02	-0.32	-0.32	-5.52e-02	-3.57e-02
2	35	26	106.79	19.30	19.30	106.79	-5.27e-02	-3.79e-02	-9.42e-02	-7.33e-02	-5.89e-02	-2.72e-02
2	35	27	106.89	18.95	18.95	106.89	0.18	4.26e-03	-5.42e-02	-4.66e-02	-3.28e-03	1.96e-02
2	35	34	106.59	19.37	19.37	106.59	-5.71e-03	-6.98e-02	-0.11	-0.11	-6.98e-02	-1.56e-04
2	35	35	106.69	18.96	18.96	106.69	-5.71e-03	-1.01e-02	-8.53e-02	-8.53e-02	-1.01e-02	9.55e-06
2	35	42	106.81	19.30	19.30	106.81	4.49e-02	-3.81e-02	-9.45e-02	-7.36e-02	-5.90e-02	2.72e-02
2	35	43	106.91	18.95	18.95	106.91	-0.19	4.13e-03	-5.45e-02	-4.70e-02	-3.40e-03	-1.96e-02
2	35	50	108.96	19.02	19.06	108.92	-1.88	-0.11	-0.35	-0.35	-0.11	-2.11e-02
2	35	51	109.04	18.88	18.91	109.02	1.62	-5.07e-02	-0.32	-0.32	-5.55e-02	3.57e-02
2	35	58	110.58	17.91	18.61	109.88	-8.03	-1.32	-6.70	-6.68	-1.35	-0.36
2	35	59	110.64	18.26	18.90	110.00	7.66	-1.29	-6.68	-6.65	-1.32	0.38
2	35	66	35.51	-18.64	18.04	-1.17	25.32	14.35	2.77	14.27	2.86	0.99
2	35	67	36.54	-18.77	18.99	-1.22	-25.74	14.21	2.74	14.13	2.83	-0.97
2	36	3	-0.28	-2.27	-1.03	-1.52	0.97	0.27	-7.37e-02	-1.33e-02	0.21	-0.13
2	36	4	-0.14	-4.50	-4.26	-0.37	0.98	0.26	-4.60e-02	0.20	1.08e-02	-0.12
2	36	5	2.38e-02	-1.17	-5.99e-02	-1.09	-0.30	0.11	-1.38e-02	7.56e-02	2.24e-02	5.69e-02
2	36	6	1.26	-0.13	1.26	-0.13	-1.69e-02	-6.07e-02	-0.42	-0.42	-6.49e-02	3.91e-02
2	36	18	0.72	-1.36	0.58	-1.21	0.53	0.68	2.22e-02	6.79e-02	0.63	-0.17
2	36	19	-0.41	-0.94	-0.48	-0.88	-0.17	0.12	-0.17	3.18e-02	-8.42e-02	0.14
2	36	26	1.07	-1.24	1.05	-1.22	0.20	1.05	0.20	0.21	1.04	-8.75e-02
2	36	27	-0.51	-0.95	-0.51	-0.95	-3.73e-02	4.21e-02	-0.22	1.65e-02	-0.20	7.86e-02
2	36	34	1.18	-1.20	1.18	-1.20	5.70e-03	1.17	0.25	0.25	1.17	1.61e-04
2	36	35	-0.52	-0.96	-0.52	-0.96	5.70e-03	8.78e-03	-0.23	8.78e-03	-0.23	3.31e-06
2	36	42	1.06	-1.25	1.04	-1.23	-0.20	1.05	0.20	0.21	1.04	8.75e-02
2	36	43	-0.52	-0.97	-0.52	-0.97	4.51e-02	4.24e-02	-0.22	1.68e-02	-0.20	-7.86e-02
2	36	50	0.71	-1.39	0.57	-1.24	-0.53	0.68	2.32e-02	6.89e-02	0.63	0.17
2	36	51	-0.42	-0.97	-0.49	-0.91	0.17	0.12	-0.17	3.26e-02	-8.39e-02	-0.14
2	36	58	-0.28	-2.29	-1.04	-1.53	-0.97	0.27	-7.33e-02	-1.29e-02	0.21	0.13
2	36	59	8.04e-03	-1.18	-7.11e-02	-1.10	0.30	0.11	-1.37e-02	7.59e-02	2.25e-02	-5.70e-02
2	36	66	-0.13	-4.50	-4.27	-0.37	-0.99	0.26	-4.66e-02	0.20	1.04e-02	0.12
2	36	67	1.26	-0.13	1.26	-0.13	5.66e-03	-6.09e-02	-0.43	-0.42	-6.52e-02	-3.91e-02
2	37	3	111.37	18.03	18.73	110.66	8.09	-1.33	-6.75	-6.73	-1.36	0.36
2	37	4	35.76	-18.78	18.16	-1.18	-25.49	14.45	2.79	14.37	2.88	-1.00
2	37	5	111.42	18.38	19.02	110.78	-7.71	-1.30	-6.72	-6.70	-1.33	-0.38
2	37	6	36.81	-18.91	19.13	-1.23	25.94	14.31	2.76	14.23	2.85	0.98
2	37	18	109.72	19.14	19.18	109.68	1.89	-0.11	-0.35	-0.35	-0.11	2.12e-02
2	37	19	109.80	19.01	19.03	109.77	-1.63	-5.08e-02	-0.32	-0.32	-5.56e-02	-3.60e-02
2	37	26	107.57	19.44	19.44	107.57	-5.48e-02	-3.82e-02	-9.49e-02	-7.38e-02	-5.93e-02	-2.74e-02
2	37	27	107.66	19.08	19.08	107.66	0.18	4.30e-03	-5.46e-02	-4.70e-02	-3.29e-03	1.97e-02
2	37	34	107.36	19.51	19.51	107.36	-5.70e-03	-7.03e-02	-0.11	-0.11	-7.03e-02	-1.61e-04
2	37	35	107.46	19.10	19.10	107.46	-5.70e-03	-1.01e-02	-8.60e-02	-8.60e-02	-1.01e-02	-3.31e-06
2	37	42	107.58	19.44	19.44	107.58	4.69e-02	-3.84e-02	-9.52e-02	-7.41e-02	-5.94e-02	2.74e-02
2	37	43	107.68	19.09	19.09	107.68	-0.19	4.18e-03	-5.49e-02	-4.73e-02	-3.41e-03	-1.98e-02
2	37	50	109.75	19.16	19.20	109.71	-1.89	-0.11	-0.35	-0.35	-0.11	-2.12e-02
2	37	51	109.83	19.01	19.04	109.80	1.63	-5.11e-02	-0.32	-0.32	-5.59e-02	3.59e-02
2	37	58	111.38	18.04	18.74	110.68	-8.08	-1.33	-6.75	-6.73	-1.36	-0.36
2	37	59	111.44	18.39	19.03	110.79	7.72	-1.30	-6.72	-6.70	-1.33	0.38
2	37	66	35.77	-18.79	18.17	-1.18	25.50	14.45	2.79	14.37	2.88	1.00
2	37	67	36.80	-18.90	19.13	-1.23	-25.92	14.31	2.76	14.23	2.85	-0.98
2	38	3	0.22	-1.83	-0.89	-0.72	1.02	0.26	-0.11	-6.16e-02	0.20	-0.13
2	38	4	-0.22	-4.29	-4.14	-0.38	0.79	0.36	-1.78e-02	0.31	3.13e-02	-0.13
2	38	5	0.30	-0.52	7.65e-02	-0.29	-0.36	7.51e-02	-3.44e-02	2.77e-02	1.30e-02	5.42e-02
2	38	6	1.42	-0.15	1.40	-0.14	0.16	-3.69e-02	-0.33	-0.32	-4.44e-02	4.61e-02
2	38	18	0.93	-0.64	0.72	-0.42	0.54	0.68	1.99e-02	6.53e-02	0.63	-0.17
2	38	19	7.86e-03	-0.44	-0.34	-9.27e-02	-0.19	0.12	-0.17	2.95e-02	-8.46e-02	0.14
2	38	26	1.22	-0.47	1.19	-0.44	0.20	1.05	0.20	0.21	1.04	-8.77e-02
2	38	27	-0.17	-0.38	-0.38	-0.18	-3.71e-02	4.19e-02	-0.22	1.61e-02	-0.20	7.88e-02
2	38	34	1.32	-0.43	1.32	-0.43	5.71e-03	1.17	0.25	0.25	1.17	1.56e-04
2	38	35	-0.19	-0.38	-0.38	-0.19	5.71e-03	8.16e-03	-0.23	8.16e-03	-0.23	-9.55e-06
2	38	42	1.21	-0.48	1.18	-0.46	-0.19	1.05	0.20	0.21	1.04	8.77e-02
2	38	43	-0.18	-0.40	-0.38	-0.19	4.50e-02	4.22e-02	-0.22	1.65e-02	-0.20	-7.88e-02
2	38	50	0.92	-0.66	0.71	-0.45	-0.54	0.68	2.09e-02	6.64e-02	0.63	0.17
2	38	51	-1.60e-02	-0.46	-0.35	-0.12	0.19	0.12	-0.17	3.03e-02	-8.43e-02	-0.14
2	38	58	0.21	-1.85	-0.90	-0.74	-1.03	0.26	-0.11	-6.12e-02	0.20	0.13
2	38	59	0.28	-0.52	6.54e-02	-0.31	0.36	7.53e-02	-3.42e-02	2.80e-02	1.32e-02	-5.43e-02
2	38	66	-0.22	-4.30	-4.14	-0.38	-0.80	0.36	-1.83e-02	0.31	3.10e-02	0.13
2	38	67	1.42	-0.16	1.40	-0.14	-0.18	-3.72e-02	-0.33	-0.32	-4.47e-02	-4.61e-02
2	39	3	0.48	-0.75	-6.67e-02	-0.20	0.61	2.27e-02	-1.58e-03	-3.34e-04	2.14e-02	5.34e-03
2	39	4	0.84	-0.43	0.23	0.18	0.63	2.46e-02	1.18e-02	2.28e-02	1.35e-02	-4.35e-03

2	39	5	0.66	-0.32	2.21e-03	0.34	0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.39e-03
2	39	6	0.31	-0.98	-0.44	-0.23	0.64	4.02e-02	-1.05e-03	3.91e-02	-1.33e-05	6.47e-03
2	39	18	0.33	-0.50	-5.07e-02	-0.11	0.41	-1.52e-03	-2.17e-03	-2.05e-03	-1.64e-03	-2.44e-04
2	39	19	0.50	-0.11	0.11	0.28	0.30	-6.11e-04	-2.82e-03	-2.80e-03	-6.34e-04	2.25e-04
2	39	26	0.13	-0.28	-4.84e-02	-0.10	0.21	-4.23e-04	-2.62e-03	-2.61e-03	-4.28e-04	-1.07e-04
2	39	27	0.38	7.04e-02	0.18	0.26	0.15	-1.70e-03	-1.88e-03	-1.73e-03	-1.85e-03	6.86e-05
2	39	34	-5.06e-02	-0.11	-5.06e-02	-0.11	6.29e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	1.34e-05
2	39	35	0.26	0.21	0.21	0.26	6.29e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	-8.70e-06
2	39	42	0.13	-0.28	-4.97e-02	-0.11	-0.20	-4.14e-04	-2.59e-03	-2.59e-03	-4.19e-04	1.08e-04
2	39	43	0.38	7.00e-02	0.18	0.26	-0.15	-1.67e-03	-1.87e-03	-1.70e-03	-1.84e-03	-7.22e-05
2	39	50	0.33	-0.50	-5.27e-02	-0.12	-0.41	-1.48e-03	-2.08e-03	-1.95e-03	-1.61e-03	2.44e-04
2	39	51	0.50	-0.12	0.11	0.27	-0.30	-5.80e-04	-2.74e-03	-2.72e-03	-6.03e-04	-2.25e-04
2	39	58	0.48	-0.75	-6.78e-02	-0.20	-0.61	2.27e-02	-1.54e-03	-2.98e-04	2.14e-02	-5.34e-03
2	39	59	0.66	-0.32	8.23e-04	0.34	-0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	3.40e-03
2	39	66	0.84	-0.43	0.23	0.18	-0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	4.35e-03
2	39	67	0.31	-0.99	-0.44	-0.23	-0.64	4.00e-02	-1.08e-03	3.90e-02	-4.15e-05	-6.46e-03
2	40	3	0.46	-0.74	-7.72e-02	-0.20	0.59	2.27e-02	-1.44e-03	-2.09e-04	2.14e-02	5.31e-03
2	40	4	0.81	-0.43	0.21	0.17	0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	-4.35e-03
2	40	5	0.65	-0.31	-5.18e-03	0.34	0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.46e-03
2	40	6	0.29	-0.98	-0.46	-0.23	0.63	4.16e-02	-7.29e-04	4.06e-02	2.73e-04	6.43e-03
2	40	18	0.33	-0.48	-4.73e-02	-9.94e-02	0.40	-1.68e-03	-2.57e-03	-2.50e-03	-1.74e-03	-2.33e-04
2	40	19	0.50	-9.56e-02	0.12	0.29	0.28	-7.05e-04	-3.25e-03	-3.23e-03	-7.24e-04	2.23e-04
2	40	26	0.14	-0.26	-3.64e-02	-9.19e-02	0.20	-4.49e-04	-2.68e-03	-2.68e-03	-4.55e-04	-1.16e-04
2	40	27	0.38	8.74e-02	0.19	0.28	0.14	-1.77e-03	-1.90e-03	-1.80e-03	-1.87e-03	5.69e-05
2	40	34	-3.34e-02	-8.76e-02	-3.34e-02	-8.76e-02	-6.33e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	-2.18e-05
2	40	35	0.28	0.22	0.22	0.28	-6.33e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	-7.88e-06
2	40	42	0.14	-0.26	-3.56e-02	-9.01e-02	-0.20	-4.63e-04	-2.73e-03	-2.72e-03	-4.70e-04	1.17e-04
2	40	43	0.39	8.76e-02	0.19	0.28	-0.14	-1.79e-03	-1.93e-03	-1.84e-03	-1.88e-03	-6.66e-05
2	40	50	0.33	-0.47	-4.58e-02	-9.61e-02	-0.40	-1.72e-03	-2.69e-03	-2.63e-03	-1.78e-03	2.27e-04
2	40	51	0.50	-9.40e-02	0.12	0.29	-0.28	-7.30e-04	-3.34e-03	-3.32e-03	-7.50e-04	-2.31e-04
2	40	58	0.46	-0.73	-7.65e-02	-0.20	-0.59	2.27e-02	-1.48e-03	-2.56e-04	2.14e-02	-5.30e-03
2	40	59	0.65	-0.31	-4.06e-03	0.35	-0.44	-1.77e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.48e-03
2	40	66	0.81	-0.42	0.21	0.17	-0.62	2.61e-02	1.23e-02	2.46e-02	1.38e-02	4.35e-03
2	40	67	0.29	-0.98	-0.46	-0.23	-0.62	4.17e-02	-6.88e-04	4.07e-02	3.07e-04	-6.42e-03
2	41	3	0.48	-0.75	-6.69e-02	-0.20	0.61	2.27e-02	-1.58e-03	-3.40e-04	2.14e-02	5.34e-03
2	41	4	0.84	-0.43	0.23	0.18	0.63	2.46e-02	1.18e-02	2.29e-02	1.35e-02	-4.35e-03
2	41	5	0.66	-0.32	2.07e-03	0.34	0.46	-1.79e-02	-2.58e-02	-1.99e-02	-2.38e-02	-3.40e-03
2	41	6	0.31	-0.98	-0.44	-0.23	0.64	4.02e-02	-1.05e-03	3.91e-02	-1.01e-05	6.46e-03
2	41	18	0.33	-0.50	-5.10e-02	-0.11	0.41	-1.53e-03	-2.18e-03	-2.07e-03	-1.64e-03	-2.41e-04
2	41	19	0.50	-0.11	0.11	0.28	0.30	-6.08e-04	-2.83e-03	-2.81e-03	-6.31e-04	2.28e-04
2	41	26	0.13	-0.28	-4.87e-02	-0.10	0.21	-4.25e-04	-2.63e-03	-2.62e-03	-4.31e-04	-1.08e-04
2	41	27	0.38	7.03e-02	0.18	0.26	0.15	-1.70e-03	-1.89e-03	-1.73e-03	-1.85e-03	7.53e-05
2	41	34	-5.06e-02	-0.11	-5.06e-02	-0.11	6.33e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	2.18e-05
2	41	35	0.26	0.21	0.21	0.26	6.33e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	7.88e-06
2	41	42	0.13	-0.28	-4.94e-02	-0.11	-0.20	-4.11e-04	-2.58e-03	-2.58e-03	-4.16e-04	1.07e-04
2	41	43	0.38	7.02e-02	0.18	0.26	-0.15	-1.67e-03	-1.87e-03	-1.69e-03	-1.84e-03	-6.55e-05
2	41	50	0.33	-0.50	-5.24e-02	-0.12	-0.41	-1.47e-03	-2.07e-03	-1.94e-03	-1.60e-03	2.47e-04
2	41	51	0.50	-0.12	0.11	0.27	-0.30	-5.83e-04	-2.74e-03	-2.71e-03	-6.06e-04	-2.21e-04
2	41	58	0.48	-0.75	-6.76e-02	-0.20	-0.61	2.27e-02	-1.54e-03	-2.92e-04	2.14e-02	-5.35e-03
2	41	59	0.66	-0.32	9.59e-04	0.34	-0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	3.38e-03
2	41	66	0.84	-0.43	0.23	0.18	-0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	4.35e-03
2	41	67	0.31	-0.98	-0.44	-0.23	-0.64	4.00e-02	-1.09e-03	3.90e-02	-4.47e-05	-6.47e-03
2	42	3	0.46	-0.74	-7.73e-02	-0.20	0.59	2.27e-02	-1.44e-03	-2.14e-04	2.14e-02	5.30e-03
2	42	4	0.81	-0.43	0.21	0.17	0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	-4.35e-03
2	42	5	0.65	-0.31	-5.31e-03	0.34	0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.47e-03
2	42	6	0.29	-0.98	-0.46	-0.23	0.63	4.16e-02	-7.24e-04	4.06e-02	2.76e-04	6.43e-03
2	42	18	0.33	-0.48	-4.75e-02	-9.94e-02	0.40	-1.68e-03	-2.58e-03	-2.52e-03	-1.75e-03	-2.30e-04
2	42	19	0.50	-9.57e-02	0.12	0.29	0.28	-7.02e-04	-3.26e-03	-3.23e-03	-7.22e-04	2.27e-04
2	42	26	0.14	-0.27	-3.66e-02	-9.19e-02	0.20	-4.52e-04	-2.69e-03	-2.69e-03	-4.58e-04	-1.17e-04
2	42	27	0.38	8.73e-02	0.19	0.28	0.14	-1.77e-03	-1.91e-03	-1.81e-03	-1.87e-03	6.35e-05
2	42	34	-3.34e-02	-8.76e-02	-3.34e-02	-8.76e-02	-6.29e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	-1.34e-05
2	42	35	0.28	0.22	0.22	0.28	-6.29e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	8.70e-06
2	42	42	0.14	-0.26	-3.54e-02	-9.00e-02	-0.20	-4.61e-04	-2.72e-03	-2.71e-03	-4.67e-04	1.16e-04
2	42	43	0.39	8.77e-02	0.19	0.28	-0.14	-1.80e-03	-1.93e-03	-1.84e-03	-1.89e-03	-6.00e-05
2	42	50	0.33	-0.47	-4.56e-02	-9.61e-02	-0.40	-1.72e-03	-2.68e-03	-2.62e-03	-1.78e-03	2.30e-04
2	42	51	0.50	-9.39e-02	0.12	0.29	-0.28	-7.33e-04	-3.34e-03	-3.32e-03	-7.53e-04	-2.27e-04
2	42	58	0.46	-0.73	-7.63e-02	-0.20	-0.59	2.27e-02	-1.48e-03	-2.50e-04	2.14e-02	-5.30e-03
2	42	59	0.65	-0.31	-3.93e-03	0.35	-0.44	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.47e-03
2	42	66	0.81	-0.42	0.21	0.17	-0.62	2.61e-02	1.23e-02	2.45e-02	1.38e-02	4.35e-03
2	42	67	0.29	-0.98	-0.46	-0.23	-0.62	4.17e-02	-6.94e-04	4.07e-02	3.04e-04	-6.43e-03
2	43	3	0.48	-0.75	-6.76e-02	-0.20	0.61	2.27e-02	-1.54e-03	-2.93e-04	2.14e-02	5.35e-03
2	43	4	0.84	-0.43	0.23	0.18	0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	-4.35e-03
2	43	5	0.66	-0.32	9.67e-04	0.34	0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	-3.38e-03
2	43	6	0.31	-0.98	-0.44	-0.23	0.64	4.00e-02	-1.09e-03	3.90e-02	-4.45e-05	6.47e-03
2	43	18	0.33	-0.50	-5.24e-02	-0.12	0.41	-1.47e-03	-2.07e-03	-1.94e-03	-1.60e-03	-2.47e-04
2	43	19	0.50	-0.12	0.11	0.27	0.30	-5.83e-04	-2.74e-03	-2.71e-03	-6.06e-04	2.21e-04
2	43	26	0.13	-0.28	-4.94e-02	-0.11	0.20	-4.11e-04	-2.58e-03	-2.58e-03	-4.16e-04	-1.07e-04

2	43	27	0.38	7.02e-02	0.18	0.26	0.15	-1.67e-03	-1.87e-03	-1.69e-03	-1.84e-03	6.56e-05
2	43	34	-5.06e-02	-0.11	-5.06e-02	-0.11	-6.37e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	-2.19e-05
2	43	35	0.26	0.21	0.21	0.26	-6.37e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	-7.94e-06
2	43	42	0.13	-0.28	-4.87e-02	-0.10	-0.21	-4.25e-04	-2.63e-03	-2.62e-03	-4.31e-04	1.08e-04
2	43	43	0.38	7.03e-02	0.18	0.26	-0.15	-1.70e-03	-1.89e-03	-1.73e-03	-1.85e-03	-7.52e-05
2	43	50	0.33	-0.50	-5.10e-02	-0.11	-0.41	-1.53e-03	-2.18e-03	-2.07e-03	-1.64e-03	2.41e-04
2	43	51	0.50	-0.11	0.11	0.28	-0.30	-6.08e-04	-2.83e-03	-2.81e-03	-6.31e-04	-2.28e-04
2	43	58	0.48	-0.75	-6.69e-02	-0.20	-0.61	2.27e-02	-1.58e-03	-3.39e-04	2.14e-02	-5.34e-03
2	43	59	0.66	-0.32	2.07e-03	0.34	-0.46	-1.79e-02	-2.58e-02	-1.99e-02	-2.38e-02	3.40e-03
2	43	66	0.84	-0.43	0.23	0.18	-0.63	2.46e-02	1.18e-02	2.29e-02	1.35e-02	4.35e-03
2	43	67	0.31	-0.98	-0.44	-0.23	-0.64	4.02e-02	-1.05e-03	3.91e-02	-1.01e-05	-6.46e-03
2	44	3	0.46	-0.73	-7.63e-02	-0.20	0.59	2.27e-02	-1.48e-03	-2.50e-04	2.14e-02	5.30e-03
2	44	4	0.81	-0.42	0.21	0.17	0.62	2.61e-02	1.23e-02	2.45e-02	1.38e-02	-4.35e-03
2	44	5	0.65	-0.31	-3.93e-03	0.35	0.44	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.47e-03
2	44	6	0.29	-0.98	-0.46	-0.23	0.62	4.17e-02	-6.94e-04	4.07e-02	3.04e-04	6.43e-03
2	44	18	0.33	-0.47	-4.56e-02	-9.61e-02	0.40	-1.72e-03	-2.68e-03	-2.62e-03	-1.78e-03	-2.30e-04
2	44	19	0.50	-9.39e-02	0.12	0.29	0.28	-7.32e-04	-3.34e-03	-3.32e-03	-7.52e-04	2.27e-04
2	44	26	0.14	-0.26	-3.54e-02	-9.00e-02	0.20	-4.61e-04	-2.72e-03	-2.71e-03	-4.67e-04	-1.16e-04
2	44	27	0.39	8.77e-02	0.19	0.28	0.14	-1.80e-03	-1.93e-03	-1.84e-03	-1.89e-03	5.99e-05
2	44	34	-3.34e-02	-8.76e-02	-3.34e-02	-8.76e-02	6.33e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	1.35e-05
2	44	35	0.28	0.22	0.22	0.28	6.33e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	-8.63e-06
2	44	42	0.14	-0.27	-3.66e-02	-9.19e-02	-0.20	-4.52e-04	-2.69e-03	-2.69e-03	-4.58e-04	1.17e-04
2	44	43	0.38	8.73e-02	0.19	0.28	-0.14	-1.77e-03	-1.91e-03	-1.81e-03	-1.87e-03	-6.36e-05
2	44	50	0.33	-0.48	-4.76e-02	-9.93e-02	-0.40	-1.68e-03	-2.58e-03	-2.52e-03	-1.75e-03	2.30e-04
2	44	51	0.50	-9.57e-02	0.12	0.29	-0.28	-7.01e-04	-3.25e-03	-3.23e-03	-7.22e-04	-2.27e-04
2	44	58	0.46	-0.74	-7.74e-02	-0.20	-0.59	2.27e-02	-1.44e-03	-2.15e-04	2.14e-02	-5.30e-03
2	44	59	0.65	-0.31	-5.31e-03	0.34	-0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	3.47e-03
2	44	66	0.81	-0.43	0.21	0.17	-0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	4.35e-03
2	44	67	0.29	-0.98	-0.46	-0.23	-0.63	4.16e-02	-7.24e-04	4.06e-02	2.76e-04	-6.43e-03
2	45	3	0.48	-0.75	-6.78e-02	-0.20	0.61	2.27e-02	-1.54e-03	-2.99e-04	2.14e-02	5.34e-03
2	45	4	0.84	-0.43	0.23	0.18	0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	-4.35e-03
2	45	5	0.66	-0.32	8.30e-04	0.34	0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	-3.40e-03
2	45	6	0.31	-0.99	-0.44	-0.23	0.64	4.00e-02	-1.08e-03	3.90e-02	-4.13e-05	6.46e-03
2	45	18	0.33	-0.50	-5.27e-02	-0.12	0.41	-1.48e-03	-2.08e-03	-1.95e-03	-1.61e-03	-2.44e-04
2	45	19	0.50	-0.12	0.11	0.27	0.30	-5.80e-04	-2.74e-03	-2.72e-03	-6.03e-04	2.24e-04
2	45	26	0.13	-0.28	-4.97e-02	-0.11	0.20	-4.14e-04	-2.59e-03	-2.59e-03	-4.19e-04	-1.08e-04
2	45	27	0.38	7.00e-02	0.18	0.26	0.15	-1.67e-03	-1.87e-03	-1.70e-03	-1.84e-03	7.23e-05
2	45	34	-5.06e-02	-0.11	-5.06e-02	-0.11	-6.33e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	-1.35e-05
2	45	35	0.26	0.21	0.21	0.26	-6.33e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	8.63e-06
2	45	42	0.13	-0.28	-4.84e-02	-0.10	-0.21	-4.23e-04	-2.62e-03	-2.61e-03	-4.28e-04	1.07e-04
2	45	43	0.38	7.04e-02	0.18	0.26	-0.15	-1.70e-03	-1.88e-03	-1.73e-03	-1.85e-03	-6.86e-05
2	45	50	0.33	-0.50	-5.07e-02	-0.11	-0.41	-1.52e-03	-2.17e-03	-2.05e-03	-1.64e-03	2.44e-04
2	45	51	0.50	-0.11	0.11	0.28	-0.30	-6.11e-04	-2.83e-03	-2.80e-03	-6.34e-04	-2.25e-04
2	45	58	0.48	-0.75	-6.67e-02	-0.20	-0.61	2.27e-02	-1.58e-03	-3.33e-04	2.14e-02	-5.34e-03
2	45	59	0.66	-0.32	2.21e-03	0.34	-0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.39e-03
2	45	66	0.84	-0.43	0.23	0.18	-0.63	2.46e-02	1.18e-02	2.28e-02	1.35e-02	4.35e-03
2	45	67	0.31	-0.98	-0.44	-0.23	-0.64	4.02e-02	-1.05e-03	3.91e-02	-1.33e-05	-6.47e-03
2	46	3	0.46	-0.73	-7.65e-02	-0.20	0.59	2.27e-02	-1.48e-03	-2.55e-04	2.14e-02	5.30e-03
2	46	4	0.81	-0.42	0.21	0.17	0.62	2.61e-02	1.23e-02	2.46e-02	1.38e-02	-4.35e-03
2	46	5	0.65	-0.31	-4.07e-03	0.35	0.44	-1.77e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.48e-03
2	46	6	0.29	-0.98	-0.46	-0.23	0.62	4.17e-02	-6.88e-04	4.07e-02	3.07e-04	6.42e-03
2	46	18	0.33	-0.47	-4.58e-02	-9.61e-02	0.40	-1.72e-03	-2.69e-03	-2.63e-03	-1.78e-03	-2.27e-04
2	46	19	0.50	-9.40e-02	0.12	0.29	0.28	-7.29e-04	-3.34e-03	-3.32e-03	-7.50e-04	2.31e-04
2	46	26	0.14	-0.26	-3.56e-02	-9.01e-02	0.20	-4.64e-04	-2.73e-03	-2.72e-03	-4.70e-04	-1.17e-04
2	46	27	0.39	8.76e-02	0.19	0.28	0.14	-1.79e-03	-1.93e-03	-1.84e-03	-1.88e-03	6.65e-05
2	46	34	-3.34e-02	-8.76e-02	-3.34e-02	-8.76e-02	6.37e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	2.19e-05
2	46	35	0.28	0.22	0.22	0.28	6.37e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	7.94e-06
2	46	42	0.14	-0.26	-3.64e-02	-9.19e-02	-0.20	-4.49e-04	-2.68e-03	-2.68e-03	-4.55e-04	1.16e-04
2	46	43	0.38	8.74e-02	0.19	0.28	-0.14	-1.77e-03	-1.90e-03	-1.80e-03	-1.87e-03	-5.69e-05
2	46	50	0.33	-0.48	-4.73e-02	-9.94e-02	-0.40	-1.68e-03	-2.57e-03	-2.50e-03	-1.74e-03	2.33e-04
2	46	51	0.50	-9.56e-02	0.12	0.29	-0.28	-7.05e-04	-3.25e-03	-3.23e-03	-7.24e-04	-2.23e-04
2	46	58	0.46	-0.74	-7.72e-02	-0.20	-0.59	2.27e-02	-1.44e-03	-2.09e-04	2.14e-02	-5.31e-03
2	46	59	0.65	-0.31	-5.18e-03	0.34	-0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	3.46e-03
2	46	66	0.81	-0.43	0.21	0.17	-0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	4.35e-03
2	46	67	0.29	-0.98	-0.46	-0.23	-0.63	4.16e-02	-7.29e-04	4.06e-02	2.73e-04	-6.43e-03
2	47	3	0.48	-0.75	-6.67e-02	-0.20	0.61	2.27e-02	-1.57e-03	-3.34e-04	2.14e-02	5.34e-03
2	47	4	0.84	-0.43	0.23	0.18	0.63	2.46e-02	1.18e-02	2.28e-02	1.35e-02	-4.35e-03
2	47	5	0.66	-0.32	2.20e-03	0.34	0.46	-1.79e-02	-2.58e-02	-1.99e-02	-2.38e-02	-3.40e-03
2	47	6	0.31	-0.98	-0.44	-0.23	0.64	4.02e-02	-1.05e-03	3.91e-02	-1.30e-05	6.46e-03
2	47	18	0.33	-0.50	-5.07e-02	-0.11	0.41	-1.53e-03	-2.16e-03	-2.05e-03	-1.64e-03	-2.41e-04
2	47	19	0.50	-0.11	0.11	0.28	0.30	-6.10e-04	-2.83e-03	-2.80e-03	-6.34e-04	2.28e-04
2	47	26	0.13	-0.28	-4.84e-02	-0.10	0.21	-4.22e-04	-2.62e-03	-2.61e-03	-4.28e-04	-1.07e-04
2	47	27	0.38	7.04e-02	0.18	0.26	0.15	-1.69e-03	-1.89e-03	-1.73e-03	-1.85e-03	7.53e-05
2	47	34	-5.06e-02	-0.11	-5.06e-02	-0.11	6.28e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	2.10e-05
2	47	35	0.26	0.21	0.21	0.26	6.28e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	7.54e-06
2	47	42	0.13	-0.28	-4.96e-02	-0.11	-0.20	-4.14e-04	-2.59e-03	-2.59e-03	-4.19e-04	1.07e-04
2	47	43	0.38	7.00e-02	0.18	0.26	-0.15	-1.67e-03	-1.86e-03	-1.70e-03	-1.84e-03	-6.55e-05

2	47	50	0.33	-0.50	-5.27e-02	-0.12	-0.41	-1.48e-03	-2.08e-03	-1.95e-03	-1.61e-03	2.47e-04
2	47	51	0.50	-0.12	0.11	0.27	-0.30	-5.80e-04	-2.74e-03	-2.72e-03	-6.03e-04	-2.21e-04
2	47	58	0.48	-0.75	-6.78e-02	-0.20	-0.61	-2.27e-02	-1.54e-03	-2.98e-04	2.14e-02	-5.35e-03
2	47	59	0.66	-0.32	8.32e-04	0.34	-0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	3.38e-03
2	47	66	0.84	-0.43	0.23	0.18	-0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	4.35e-03
2	47	67	0.31	-0.99	-0.44	-0.23	-0.64	4.00e-02	-1.09e-03	3.90e-02	-4.17e-05	-6.47e-03
2	48	3	0.46	-0.74	-7.72e-02	-0.20	0.59	2.27e-02	-1.44e-03	-2.09e-04	2.14e-02	5.30e-03
2	48	4	0.81	-0.43	0.21	0.17	0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	-4.35e-03
2	48	5	0.65	-0.31	-5.19e-03	0.34	0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.47e-03
2	48	6	0.29	-0.98	-0.46	-0.23	0.63	4.16e-02	-7.27e-04	4.06e-02	2.73e-04	6.43e-03
2	48	18	0.33	-0.48	-4.73e-02	-9.94e-02	0.40	-1.68e-03	-2.57e-03	-2.50e-03	-1.74e-03	-2.30e-04
2	48	19	0.50	-9.56e-02	0.12	0.29	0.28	-7.04e-04	-3.25e-03	-3.23e-03	-7.24e-04	2.27e-04
2	48	26	0.14	-0.26	-3.64e-02	-9.19e-02	0.20	-4.49e-04	-2.68e-03	-2.68e-03	-4.55e-04	-1.17e-04
2	48	27	0.38	8.74e-02	0.19	0.28	0.14	-1.77e-03	-1.91e-03	-1.80e-03	-1.87e-03	6.35e-05
2	48	34	-3.34e-02	-8.76e-02	-3.34e-02	-8.76e-02	-6.33e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	-1.42e-05
2	48	35	0.28	0.22	0.22	0.28	-6.33e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	8.36e-06
2	48	42	0.14	-0.26	-3.56e-02	-9.01e-02	-0.20	-4.63e-04	-2.73e-03	-2.72e-03	-4.69e-04	1.16e-04
2	48	43	0.39	8.76e-02	0.19	0.28	-0.14	-1.80e-03	-1.93e-03	-1.84e-03	-1.88e-03	-6.00e-05
2	48	50	0.33	-0.47	-4.58e-02	-9.61e-02	-0.40	-1.72e-03	-2.69e-03	-2.63e-03	-1.78e-03	2.30e-04
2	48	51	0.50	-9.40e-02	0.12	0.29	-0.28	-7.31e-04	-3.34e-03	-3.32e-03	-7.50e-04	-2.27e-04
2	48	58	0.46	-0.73	-7.65e-02	-0.20	-0.59	2.27e-02	-1.48e-03	-2.56e-04	2.14e-02	-5.30e-03
2	48	59	0.65	-0.31	-4.05e-03	0.35	-0.44	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.47e-03
2	48	66	0.81	-0.42	0.21	0.17	-0.62	2.61e-02	1.23e-02	2.46e-02	1.38e-02	4.35e-03
2	48	67	0.29	-0.98	-0.46	-0.23	-0.62	4.17e-02	-6.91e-04	4.07e-02	3.07e-04	-6.43e-03
2	49	3	0.48	-0.75	-6.69e-02	-0.20	0.61	2.27e-02	-1.58e-03	-3.40e-04	2.14e-02	5.34e-03
2	49	4	0.84	-0.43	0.23	0.18	0.63	2.46e-02	1.18e-02	2.29e-02	1.35e-02	-4.35e-03
2	49	5	0.66	-0.32	2.08e-03	0.34	0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.39e-03
2	49	6	0.31	-0.98	-0.44	-0.23	0.64	4.02e-02	-1.05e-03	3.91e-02	-1.04e-05	6.47e-03
2	49	18	0.33	-0.50	-5.10e-02	-0.11	0.41	-1.53e-03	-2.18e-03	-2.07e-03	-1.64e-03	-2.44e-04
2	49	19	0.50	-0.11	0.11	0.28	0.30	-6.09e-04	-2.83e-03	-2.81e-03	-6.32e-04	2.25e-04
2	49	26	0.13	-0.28	-4.87e-02	-0.10	0.21	-4.25e-04	-2.63e-03	-2.62e-03	-4.30e-04	-1.07e-04
2	49	27	0.38	7.03e-02	0.18	0.26	0.15	-1.70e-03	-1.88e-03	-1.73e-03	-1.85e-03	6.87e-05
2	49	34	-5.06e-02	-0.11	-5.06e-02	-0.11	6.33e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	1.42e-05
2	49	35	0.26	0.21	0.21	0.26	6.33e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	-8.36e-06
2	49	42	0.13	-0.28	-4.94e-02	-0.11	-0.20	-4.11e-04	-2.58e-03	-2.58e-03	-4.16e-04	1.08e-04
2	49	43	0.38	7.02e-02	0.18	0.26	-0.15	-1.66e-03	-1.87e-03	-1.69e-03	-1.84e-03	-7.22e-05
2	49	50	0.33	-0.50	-5.24e-02	-0.12	-0.41	-1.48e-03	-2.07e-03	-1.94e-03	-1.60e-03	2.44e-04
2	49	51	0.50	-0.12	0.11	0.27	-0.30	-5.82e-04	-2.74e-03	-2.71e-03	-6.05e-04	-2.25e-04
2	49	58	0.48	-0.75	-6.76e-02	-0.20	-0.61	2.27e-02	-1.53e-03	-2.92e-04	2.14e-02	-5.34e-03
2	49	59	0.66	-0.32	9.50e-04	0.34	-0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	3.40e-03
2	49	66	0.84	-0.43	0.23	0.18	-0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	4.35e-03
2	49	67	0.31	-0.98	-0.44	-0.23	-0.64	4.00e-02	-1.09e-03	3.90e-02	-4.45e-05	-6.46e-03
2	50	3	0.46	-0.74	-7.73e-02	-0.20	0.59	2.27e-02	-1.45e-03	-2.14e-04	2.14e-02	5.31e-03
2	50	4	0.81	-0.43	0.21	0.17	0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	-4.35e-03
2	50	5	0.65	-0.31	-5.30e-03	0.34	0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.46e-03
2	50	6	0.29	-0.98	-0.46	-0.23	0.63	4.16e-02	-7.26e-04	4.06e-02	2.76e-04	6.43e-03
2	50	18	0.33	-0.48	-4.75e-02	-9.94e-02	0.40	-1.68e-03	-2.58e-03	-2.52e-03	-1.75e-03	-2.33e-04
2	50	19	0.50	-9.57e-02	0.12	0.29	0.28	-7.02e-04	-3.25e-03	-3.23e-03	-7.22e-04	2.23e-04
2	50	26	0.14	-0.27	-3.66e-02	-9.19e-02	0.20	-4.52e-04	-2.69e-03	-2.69e-03	-4.58e-04	-1.17e-04
2	50	27	0.38	8.73e-02	0.19	0.28	0.14	-1.77e-03	-1.90e-03	-1.81e-03	-1.87e-03	5.69e-05
2	50	34	-3.34e-02	-8.76e-02	-3.34e-02	-8.76e-02	-6.28e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	-2.10e-05
2	50	35	0.28	0.22	0.22	0.28	-6.28e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	-7.54e-06
2	50	42	0.14	-0.26	-3.54e-02	-9.00e-02	-0.20	-4.61e-04	-2.72e-03	-2.71e-03	-4.67e-04	1.17e-04
2	50	43	0.39	8.77e-02	0.19	0.28	-0.14	-1.79e-03	-1.93e-03	-1.84e-03	-1.89e-03	-6.66e-05
2	50	50	0.33	-0.47	-4.56e-02	-9.61e-02	-0.40	-1.72e-03	-2.67e-03	-2.62e-03	-1.78e-03	2.27e-04
2	50	51	0.50	-9.39e-02	0.12	0.29	-0.28	-7.32e-04	-3.34e-03	-3.32e-03	-7.53e-04	-2.31e-04
2	50	58	0.46	-0.73	-7.63e-02	-0.20	-0.59	2.27e-02	-1.48e-03	-2.50e-04	2.14e-02	-5.30e-03
2	50	59	0.65	-0.31	-3.94e-03	0.35	-0.44	-1.77e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.48e-03
2	50	66	0.81	-0.42	0.21	0.17	-0.62	2.61e-02	1.23e-02	2.45e-02	1.38e-02	4.35e-03
2	50	67	0.29	-0.98	-0.46	-0.23	-0.62	4.17e-02	-6.91e-04	4.07e-02	3.05e-04	-6.42e-03
2	51	3	0.48	-0.75	-6.76e-02	-0.20	0.61	2.27e-02	-1.53e-03	-2.93e-04	2.14e-02	5.34e-03
2	51	4	0.84	-0.43	0.23	0.18	0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	-4.35e-03
2	51	5	0.66	-0.32	9.57e-04	0.34	0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	-3.40e-03
2	51	6	0.31	-0.98	-0.44	-0.23	0.64	4.00e-02	-1.09e-03	3.90e-02	-4.42e-05	6.46e-03
2	51	18	0.33	-0.50	-5.24e-02	-0.12	0.41	-1.48e-03	-2.07e-03	-1.94e-03	-1.60e-03	-2.44e-04
2	51	19	0.50	-0.12	0.11	0.27	0.30	-5.82e-04	-2.74e-03	-2.71e-03	-6.06e-04	2.24e-04
2	51	26	0.13	-0.28	-4.94e-02	-0.11	0.20	-4.11e-04	-2.58e-03	-2.58e-03	-4.16e-04	-1.08e-04
2	51	27	0.38	7.01e-02	0.18	0.26	0.15	-1.66e-03	-1.87e-03	-1.69e-03	-1.84e-03	7.23e-05
2	51	34	-5.06e-02	-0.11	-5.06e-02	-0.11	-6.37e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	-1.43e-05
2	51	35	0.26	0.21	0.21	0.26	-6.37e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	8.29e-06
2	51	42	0.13	-0.28	-4.87e-02	-0.10	-0.21	-4.25e-04	-2.63e-03	-2.62e-03	-4.31e-04	1.07e-04
2	51	43	0.38	7.03e-02	0.18	0.26	-0.15	-1.70e-03	-1.88e-03	-1.73e-03	-1.85e-03	-6.86e-05
2	51	50	0.33	-0.50	-5.10e-02	-0.11	-0.41	-1.53e-03	-2.18e-03	-2.07e-03	-1.64e-03	2.44e-04
2	51	51	0.50	-0.11	0.11	0.28	-0.30	-6.09e-04	-2.83e-03	-2.81e-03	-6.32e-04	-2.25e-04
2	51	58	0.48	-0.75	-6.69e-02	-0.20	-0.61	2.27e-02	-1.58e-03	-3.39e-04	2.14e-02	-5.34e-03
2	51	59	0.66	-0.32	2.08e-03	0.34	-0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.39e-03
2	51	66	0.84	-0.43	0.23	0.18	-0.63	2.46e-02	1.18e-02	2.29e-02	1.35e-02	4.35e-03

2	51	67	0.31	-0.98	-0.44	-0.23	-0.64	4.02e-02	-1.05e-03	3.91e-02	-1.03e-05	-6.47e-03
2	52	3	0.46	-0.73	-7.63e-02	-0.20	0.59	2.27e-02	-1.47e-03	-2.50e-04	2.14e-02	5.30e-03
2	52	4	0.81	-0.42	0.21	0.17	0.62	2.61e-02	1.23e-02	2.45e-02	1.38e-02	-4.35e-03
2	52	5	0.65	-0.31	-3.94e-03	0.35	0.44	-1.77e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.48e-03
2	52	6	0.29	-0.98	-0.46	-0.23	0.62	4.17e-02	-6.92e-04	4.07e-02	3.04e-04	6.42e-03
2	52	18	0.33	-0.47	-4.56e-02	-9.61e-02	0.40	-1.72e-03	-2.67e-03	-2.62e-03	-1.78e-03	-2.27e-04
2	52	19	0.50	-9.39e-02	0.12	0.29	0.28	-7.32e-04	-3.34e-03	-3.32e-03	-7.52e-04	2.31e-04
2	52	26	0.14	-0.26	-3.54e-02	-9.00e-02	0.20	-4.61e-04	-2.72e-03	-2.71e-03	-4.67e-04	-1.17e-04
2	52	27	0.39	8.77e-02	0.19	0.28	0.14	-1.79e-03	-1.93e-03	-1.84e-03	-1.89e-03	6.65e-05
2	52	34	-3.34e-02	-8.76e-02	-3.34e-02	-8.76e-02	6.32e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	2.11e-05
2	52	35	0.28	0.22	0.22	0.28	6.32e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	7.60e-06
2	52	42	0.14	-0.27	-3.66e-02	-9.19e-02	-0.20	-4.52e-04	-2.69e-03	-2.69e-03	-4.58e-04	1.16e-04
2	52	43	0.38	8.73e-02	0.19	0.28	-0.14	-1.77e-03	-1.90e-03	-1.81e-03	-1.87e-03	-5.70e-05
2	52	50	0.33	-0.48	-4.75e-02	-9.93e-02	-0.40	-1.68e-03	-2.58e-03	-2.52e-03	-1.75e-03	2.32e-04
2	52	51	0.50	-9.57e-02	0.12	0.29	-0.28	-7.02e-04	-3.25e-03	-3.23e-03	-7.22e-04	-2.23e-04
2	52	58	0.46	-0.74	-7.73e-02	-0.20	-0.59	2.27e-02	-1.45e-03	-2.15e-04	2.14e-02	-5.31e-03
2	52	59	0.65	-0.31	-5.31e-03	0.34	-0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	3.46e-03
2	52	66	0.81	-0.43	0.21	0.17	-0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	4.35e-03
2	52	67	0.29	-0.98	-0.46	-0.23	-0.63	4.16e-02	-7.26e-04	4.06e-02	2.76e-04	-6.43e-03
2	53	3	0.48	-0.75	-6.78e-02	-0.20	0.61	2.27e-02	-1.54e-03	-2.99e-04	2.14e-02	5.35e-03
2	53	4	0.84	-0.43	0.23	0.18	0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	-4.35e-03
2	53	5	0.66	-0.32	8.41e-04	0.34	0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	-3.38e-03
2	53	6	0.31	-0.99	-0.44	-0.23	0.64	4.00e-02	-1.09e-03	3.90e-02	-4.15e-05	6.47e-03
2	53	18	0.33	-0.50	-5.27e-02	-0.12	0.41	-1.48e-03	-2.08e-03	-1.95e-03	-1.61e-03	-2.47e-04
2	53	19	0.50	-0.12	0.11	0.27	0.30	-5.81e-04	-2.74e-03	-2.72e-03	-6.04e-04	2.21e-04
2	53	26	0.13	-0.28	-4.97e-02	-0.11	0.20	-4.14e-04	-2.59e-03	-2.59e-03	-4.19e-04	-1.07e-04
2	53	27	0.38	7.00e-02	0.18	0.26	0.15	-1.67e-03	-1.86e-03	-1.70e-03	-1.84e-03	6.56e-05
2	53	34	-5.06e-02	-0.11	-5.06e-02	-0.11	-6.32e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	-2.11e-05
2	53	35	0.26	0.21	0.21	0.26	-6.32e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	-7.60e-06
2	53	42	0.13	-0.28	-4.84e-02	-0.10	-0.21	-4.23e-04	-2.62e-03	-2.61e-03	-4.28e-04	1.08e-04
2	53	43	0.38	7.04e-02	0.18	0.26	-0.15	-1.69e-03	-1.89e-03	-1.73e-03	-1.85e-03	-7.52e-05
2	53	50	0.33	-0.50	-5.07e-02	-0.11	-0.41	-1.53e-03	-2.16e-03	-2.05e-03	-1.64e-03	2.42e-04
2	53	51	0.50	-0.11	0.11	0.28	-0.30	-6.10e-04	-2.83e-03	-2.80e-03	-6.34e-04	-2.28e-04
2	53	58	0.48	-0.75	-6.67e-02	-0.20	-0.61	2.27e-02	-1.57e-03	-3.33e-04	2.14e-02	-5.34e-03
2	53	59	0.66	-0.32	2.20e-03	0.34	-0.46	-1.79e-02	-2.58e-02	-1.99e-02	-2.38e-02	3.40e-03
2	53	66	0.84	-0.43	0.23	0.18	-0.63	2.46e-02	1.18e-02	2.28e-02	1.35e-02	4.35e-03
2	53	67	0.31	-0.98	-0.44	-0.23	-0.64	4.02e-02	-1.05e-03	3.91e-02	-1.03e-05	-6.46e-03
2	54	3	0.46	-0.73	-7.65e-02	-0.20	0.59	2.27e-02	-1.48e-03	-2.55e-04	2.14e-02	5.30e-03
2	54	4	0.81	-0.42	0.21	0.17	0.62	2.61e-02	1.23e-02	2.46e-02	1.38e-02	-4.35e-03
2	54	5	0.65	-0.31	-4.06e-03	0.35	0.44	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.47e-03
2	54	6	0.29	-0.98	-0.46	-0.23	0.62	4.17e-02	-6.91e-04	4.07e-02	3.07e-04	6.43e-03
2	54	18	0.33	-0.47	-4.58e-02	-9.61e-02	0.40	-1.72e-03	-2.69e-03	-2.63e-03	-1.78e-03	-2.30e-04
2	54	19	0.50	-9.40e-02	0.12	0.29	0.28	-7.30e-04	-3.34e-03	-3.32e-03	-7.50e-04	2.27e-04
2	54	26	0.14	-0.26	-3.56e-02	-9.01e-02	0.20	-4.64e-04	-2.73e-03	-2.72e-03	-4.70e-04	-1.16e-04
2	54	27	0.39	8.76e-02	0.19	0.28	0.14	-1.80e-03	-1.93e-03	-1.84e-03	-1.88e-03	5.99e-05
2	54	34	-3.34e-02	-8.76e-02	-3.34e-02	-8.76e-02	6.37e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	1.43e-05
2	54	35	0.28	0.22	0.22	0.28	6.37e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	-8.29e-06
2	54	42	0.14	-0.26	-3.64e-02	-9.19e-02	-0.20	-4.49e-04	-2.68e-03	-2.68e-03	-4.55e-04	1.17e-04
2	54	43	0.38	8.74e-02	0.19	0.28	-0.14	-1.77e-03	-1.91e-03	-1.80e-03	-1.87e-03	-6.36e-05
2	54	50	0.33	-0.48	-4.73e-02	-9.94e-02	-0.40	-1.68e-03	-2.57e-03	-2.50e-03	-1.74e-03	2.30e-04
2	54	51	0.50	-9.56e-02	0.12	0.29	-0.28	-7.04e-04	-3.25e-03	-3.23e-03	-7.24e-04	-2.27e-04
2	54	58	0.46	-0.74	-7.72e-02	-0.20	-0.59	2.27e-02	-1.44e-03	-2.09e-04	2.14e-02	-5.30e-03
2	54	59	0.65	-0.31	-5.19e-03	0.34	-0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	3.47e-03
2	54	66	0.81	-0.43	0.21	0.17	-0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	4.35e-03
2	54	67	0.29	-0.98	-0.46	-0.23	-0.63	4.16e-02	-7.27e-04	4.06e-02	2.73e-04	-6.43e-03
2	55	3	0.50	-0.76	-5.46e-02	-0.20	0.62	2.27e-02	-1.73e-03	-4.83e-04	2.14e-02	5.38e-03
2	55	4	0.87	-0.43	0.25	0.18	0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	-4.35e-03
2	55	5	0.68	-0.33	1.08e-02	0.34	0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	-3.31e-03
2	55	6	0.34	-0.99	-0.43	-0.22	0.66	3.85e-02	-1.43e-03	3.75e-02	-3.46e-04	6.50e-03
2	55	18	0.34	-0.52	-5.48e-02	-0.13	0.43	-1.27e-03	-1.78e-03	-1.53e-03	-1.52e-03	-2.56e-04
2	55	19	0.50	-0.13	0.11	0.26	0.31	-4.99e-04	-2.33e-03	-2.30e-03	-5.27e-04	2.28e-04
2	55	26	0.12	-0.31	-6.26e-02	-0.12	0.21	-3.92e-04	-2.55e-03	-2.54e-03	-3.97e-04	-9.60e-05
2	55	27	0.37	5.05e-02	0.17	0.25	0.16	-1.61e-03	-1.87e-03	-1.65e-03	-1.83e-03	8.47e-05
2	55	34	-7.06e-02	-0.13	-7.07e-02	-0.13	2.10e-03	-1.98e-05	-1.81e-03	-1.80e-03	-2.16e-05	5.75e-05
2	55	35	0.24	0.19	0.19	0.24	2.10e-03	-6.52e-04	-1.80e-03	-6.52e-04	-1.80e-03	-3.85e-06
2	55	42	0.12	-0.31	-6.59e-02	-0.13	-0.21	-3.55e-04	-2.43e-03	-2.43e-03	-3.59e-04	9.75e-05
2	55	43	0.37	4.95e-02	0.17	0.24	-0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	-7.64e-05
2	55	50	0.33	-0.53	-6.06e-02	-0.14	-0.43	-9.91e-04	-1.58e-03	-1.16e-03	-1.41e-03	2.64e-04
2	55	51	0.49	-0.14	0.10	0.25	-0.31	-4.03e-04	-2.04e-03	-2.01e-03	-4.32e-04	-2.16e-04
2	55	58	0.50	-0.76	-5.75e-02	-0.21	-0.63	2.27e-02	-1.61e-03	-3.45e-04	2.15e-02	-5.40e-03
2	55	59	0.67	-0.33	6.57e-03	0.33	-0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.29e-03
2	55	66	0.87	-0.44	0.25	0.18	-0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	4.35e-03
2	55	67	0.34	-0.99	-0.43	-0.22	-0.66	3.80e-02	-1.55e-03	3.69e-02	-4.50e-04	-6.51e-03
2	56	3	0.44	-0.73	-8.94e-02	-0.20	0.58	2.27e-02	-1.28e-03	-6.40e-05	2.15e-02	5.26e-03
2	56	4	0.78	-0.42	0.19	0.17	0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	-4.35e-03
2	56	5	0.63	-0.30	-1.38e-02	0.35	0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	-3.55e-03
2	56	6	0.27	-0.97	-0.47	-0.23	0.61	4.32e-02	-3.51e-04	4.22e-02	6.08e-04	6.39e-03

2	56	18	0.33	-0.45	-4.33e-02	-8.42e-02	0.39	-1.83e-03	-3.07e-03	-3.03e-03	-1.87e-03	-2.19e-04
2	56	19	0.50	-7.49e-02	0.12	0.30	0.27	-8.12e-04	-3.75e-03	-3.73e-03	-8.29e-04	2.23e-04
2	56	26	0.14	-0.24	-2.23e-02	-7.69e-02	0.19	-4.81e-04	-2.76e-03	-2.75e-03	-4.88e-04	-1.28e-04
2	56	27	0.39	0.11	0.20	0.29	0.13	-1.84e-03	-1.94e-03	-1.89e-03	-1.89e-03	4.54e-05
2	56	34	-1.33e-02	-6.34e-02	-1.34e-02	-6.33e-02	-2.10e-03	-5.87e-04	-3.82e-03	-3.82e-03	-5.89e-04	-6.00e-05
2	56	35	0.30	0.24	0.24	0.30	-2.10e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	-1.12e-06
2	56	42	0.15	-0.24	-1.92e-02	-7.08e-02	-0.19	-5.21e-04	-2.88e-03	-2.88e-03	-5.27e-04	1.27e-04
2	56	43	0.40	0.11	0.21	0.30	-0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	-5.78e-05
2	56	50	0.33	-0.44	-3.78e-02	-7.33e-02	-0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	2.09e-04
2	56	51	0.51	-6.95e-02	0.12	0.31	-0.27	-9.05e-04	-4.04e-03	-4.02e-03	-9.23e-04	-2.37e-04
2	56	58	0.44	-0.72	-8.66e-02	-0.19	-0.58	2.26e-02	-1.41e-03	-2.05e-04	2.14e-02	-5.25e-03
2	56	59	0.63	-0.29	-9.72e-03	0.35	-0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	3.57e-03
2	56	66	0.78	-0.42	0.19	0.17	-0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	4.35e-03
2	56	67	0.27	-0.97	-0.47	-0.23	-0.60	4.37e-02	-2.32e-04	4.28e-02	7.14e-04	-6.38e-03
2	57	3	0.50	-0.76	-5.47e-02	-0.20	0.62	2.27e-02	-1.74e-03	-4.84e-04	2.14e-02	5.38e-03
2	57	4	0.87	-0.43	0.25	0.18	0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	-4.35e-03
2	57	5	0.68	-0.33	1.07e-02	0.34	0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	-3.32e-03
2	57	6	0.34	-0.99	-0.43	-0.22	0.66	3.86e-02	-1.43e-03	3.75e-02	-3.45e-04	6.50e-03
2	57	18	0.34	-0.52	-5.49e-02	-0.13	0.43	-1.27e-03	-1.78e-03	-1.54e-03	-1.52e-03	-2.55e-04
2	57	19	0.50	-0.13	0.11	0.26	0.31	-4.98e-04	-2.34e-03	-2.31e-03	-5.27e-04	2.29e-04
2	57	26	0.12	-0.31	-6.27e-02	-0.12	0.21	-3.93e-04	-2.55e-03	-2.55e-03	-3.97e-04	-9.63e-05
2	57	27	0.37	5.05e-02	0.17	0.25	0.16	-1.61e-03	-1.87e-03	-1.65e-03	-1.83e-03	8.67e-05
2	57	34	-7.06e-02	-0.13	-7.07e-02	-0.13	2.10e-03	-1.96e-05	-1.81e-03	-1.80e-03	-2.16e-05	6.00e-05
2	57	35	0.24	0.19	0.19	0.24	2.10e-03	-6.52e-04	-1.80e-03	-6.52e-04	-1.80e-03	1.12e-06
2	57	42	0.12	-0.31	-6.59e-02	-0.13	-0.21	-3.54e-04	-2.43e-03	-2.42e-03	-3.58e-04	9.72e-05
2	57	43	0.37	4.95e-02	0.17	0.24	-0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	-7.44e-05
2	57	50	0.33	-0.53	-6.05e-02	-0.14	-0.43	-9.86e-04	-1.57e-03	-1.15e-03	-1.41e-03	2.65e-04
2	57	51	0.49	-0.14	0.10	0.25	-0.31	-4.04e-04	-2.04e-03	-2.01e-03	-4.33e-04	-2.15e-04
2	57	58	0.50	-0.76	-5.75e-02	-0.21	-0.63	2.27e-02	-1.61e-03	-3.43e-04	2.15e-02	-5.40e-03
2	57	59	0.67	-0.33	6.61e-03	0.33	-0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.29e-03
2	57	66	0.87	-0.44	0.25	0.18	-0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	4.35e-03
2	57	67	0.34	-0.99	-0.43	-0.22	-0.66	3.80e-02	-1.55e-03	3.69e-02	-4.51e-04	-6.51e-03
2	58	3	0.44	-0.73	-8.94e-02	-0.20	0.58	2.27e-02	-1.28e-03	-6.57e-05	2.15e-02	5.26e-03
2	58	4	0.78	-0.42	0.19	0.17	0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	-4.35e-03
2	58	5	0.63	-0.30	-1.39e-02	0.35	0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	-3.55e-03
2	58	6	0.27	-0.97	-0.47	-0.23	0.61	4.32e-02	-3.49e-04	4.22e-02	6.09e-04	6.39e-03
2	58	18	0.33	-0.45	-4.34e-02	-8.42e-02	0.39	-1.83e-03	-3.07e-03	-3.04e-03	-1.87e-03	-2.18e-04
2	58	19	0.50	-7.49e-02	0.12	0.30	0.27	-8.11e-04	-3.75e-03	-3.73e-03	-8.28e-04	2.24e-04
2	58	26	0.14	-0.24	-2.24e-02	-7.69e-02	0.19	-4.82e-04	-2.76e-03	-2.76e-03	-4.89e-04	-1.28e-04
2	58	27	0.39	0.11	0.20	0.29	0.13	-1.84e-03	-1.94e-03	-1.89e-03	-1.89e-03	4.74e-05
2	58	34	-1.33e-02	-6.34e-02	-1.34e-02	-6.33e-02	-2.10e-03	-5.88e-04	-3.82e-03	-3.82e-03	-5.89e-04	-5.75e-05
2	58	35	0.30	0.24	0.24	0.30	-2.10e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	3.85e-06
2	58	42	0.15	-0.24	-1.91e-02	-7.08e-02	-0.19	-5.20e-04	-2.88e-03	-2.87e-03	-5.27e-04	1.26e-04
2	58	43	0.40	0.11	0.21	0.30	-0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	-5.58e-05
2	58	50	0.33	-0.44	-3.77e-02	-7.33e-02	-0.39	-1.95e-03	-3.44e-03	-3.41e-03	-1.98e-03	2.10e-04
2	58	51	0.51	-6.94e-02	0.12	0.31	-0.27	-9.06e-04	-4.04e-03	-4.02e-03	-9.24e-04	-2.36e-04
2	58	58	0.44	-0.72	-8.65e-02	-0.19	-0.58	2.26e-02	-1.41e-03	-2.04e-04	2.14e-02	-5.25e-03
2	58	59	0.63	-0.29	-9.68e-03	0.35	-0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	3.57e-03
2	58	66	0.78	-0.42	0.19	0.17	-0.60	2.81e-02	1.29e-02	2.67e-02	1.42e-02	4.35e-03
2	58	67	0.27	-0.97	-0.47	-0.23	-0.60	4.37e-02	-2.34e-04	4.28e-02	7.13e-04	-6.38e-03
2	59	3	0.50	-0.76	-5.46e-02	-0.20	0.62	2.27e-02	-1.73e-03	-4.83e-04	2.14e-02	5.38e-03
2	59	4	0.87	-0.43	0.25	0.18	0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	-4.35e-03
2	59	5	0.68	-0.33	1.08e-02	0.34	0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	-3.32e-03
2	59	6	0.34	-0.99	-0.43	-0.22	0.66	3.85e-02	-1.43e-03	3.75e-02	-3.46e-04	6.50e-03
2	59	18	0.34	-0.52	-5.48e-02	-0.13	0.43	-1.27e-03	-1.78e-03	-1.53e-03	-1.52e-03	-2.55e-04
2	59	19	0.50	-0.13	0.11	0.26	0.31	-4.98e-04	-2.33e-03	-2.30e-03	-5.27e-04	2.29e-04
2	59	26	0.12	-0.31	-6.26e-02	-0.12	0.21	-3.92e-04	-2.55e-03	-2.54e-03	-3.97e-04	-9.62e-05
2	59	27	0.37	5.05e-02	0.17	0.25	0.16	-1.61e-03	-1.87e-03	-1.65e-03	-1.83e-03	8.67e-05
2	59	34	-7.06e-02	-0.13	-7.07e-02	-0.13	2.10e-03	-1.96e-05	-1.81e-03	-1.80e-03	-2.16e-05	5.98e-05
2	59	35	0.24	0.19	0.19	0.24	2.10e-03	-6.52e-04	-1.80e-03	-6.52e-04	-1.80e-03	1.02e-06
2	59	42	0.12	-0.31	-6.59e-02	-0.13	-0.21	-3.55e-04	-2.43e-03	-2.43e-03	-3.59e-04	9.73e-05
2	59	43	0.37	4.95e-02	0.17	0.24	-0.15	-1.51e-03	-1.81e-03	-1.52e-03	-1.79e-03	-7.44e-05
2	59	50	0.33	-0.53	-6.06e-02	-0.14	-0.43	-9.90e-04	-1.58e-03	-1.16e-03	-1.41e-03	2.65e-04
2	59	51	0.49	-0.14	0.10	0.25	-0.31	-4.04e-04	-2.04e-03	-2.01e-03	-4.32e-04	-2.14e-04
2	59	58	0.50	-0.76	-5.75e-02	-0.21	-0.63	2.27e-02	-1.61e-03	-3.45e-04	2.15e-02	-5.40e-03
2	59	59	0.67	-0.33	6.57e-03	0.33	-0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.29e-03
2	59	66	0.87	-0.44	0.25	0.18	-0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	4.35e-03
2	59	67	0.34	-0.99	-0.43	-0.22	-0.66	3.80e-02	-1.55e-03	3.69e-02	-4.50e-04	-6.51e-03
2	60	3	0.44	-0.73	-8.94e-02	-0.20	0.58	2.27e-02	-1.28e-03	-6.40e-05	2.15e-02	5.26e-03
2	60	4	0.78	-0.42	0.19	0.17	0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	-4.35e-03
2	60	5	0.63	-0.30	-1.38e-02	0.35	0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	-3.55e-03
2	60	6	0.27	-0.97	-0.47	-0.23	0.61	4.32e-02	-3.50e-04	4.22e-02	6.08e-04	6.39e-03
2	60	18	0.33	-0.45	-4.33e-02	-8.42e-02	0.39	-1.83e-03	-3.07e-03	-3.03e-03	-1.87e-03	-2.18e-04
2	60	19	0.50	-7.49e-02	0.12	0.30	0.27	-8.12e-04	-3.75e-03	-3.73e-03	-8.29e-04	2.24e-04
2	60	26	0.14	-0.24	-2.24e-02	-7.69e-02	0.19	-4.81e-04	-2.76e-03	-2.75e-03	-4.88e-04	-1.28e-04
2	60	27	0.39	0.11	0.20	0.29	0.13	-1.84e-03	-1.94e-03	-1.89e-03	-1.89e-03	4.74e-05
2	60	34	-1.33e-02	-6.34e-02	-1.34e-02	-6.33e-02	-2.10e-03	-5.88e-04	-3.82e-03	-3.82e-03	-5.89e-04	-5.77e-05

2	60	35	0.30	0.24	0.24	0.30	-2.10e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	3.75e-06
2	60	42	0.15	-0.24	-1.91e-02	-7.08e-02	-0.19	-5.21e-04	-2.88e-03	-2.88e-03	-5.27e-04	1.27e-04
2	60	43	0.40	0.11	0.21	0.30	-0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	-5.58e-05
2	60	50	0.33	-0.44	-3.78e-02	-7.33e-02	-0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	2.09e-04
2	60	51	0.51	-6.95e-02	0.12	0.31	-0.27	-9.05e-04	-4.04e-03	-4.02e-03	-9.23e-04	-2.36e-04
2	60	58	0.44	-0.72	-8.66e-02	-0.19	-0.58	2.26e-02	-1.41e-03	-2.05e-04	2.14e-02	-5.25e-03
2	60	59	0.63	-0.29	-9.71e-03	0.35	-0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	3.57e-03
2	60	66	0.78	-0.42	0.19	0.17	-0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	4.35e-03
2	60	67	0.27	-0.97	-0.47	-0.23	-0.60	4.37e-02	-2.33e-04	4.28e-02	7.13e-04	-6.38e-03
2	61	3	0.50	-0.76	-5.47e-02	-0.20	0.62	2.27e-02	-1.74e-03	-4.84e-04	2.14e-02	5.38e-03
2	61	4	0.87	-0.43	0.25	0.18	0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	-4.35e-03
2	61	5	0.68	-0.33	1.07e-02	0.34	0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	-3.31e-03
2	61	6	0.34	-0.99	-0.43	-0.22	0.66	3.86e-02	-1.43e-03	3.75e-02	-3.45e-04	6.50e-03
2	61	18	0.34	-0.52	-5.49e-02	-0.13	0.43	-1.27e-03	-1.78e-03	-1.54e-03	-1.52e-03	-2.56e-04
2	61	19	0.50	-0.13	0.11	0.26	0.31	-4.98e-04	-2.33e-03	-2.31e-03	-5.27e-04	2.28e-04
2	61	26	0.12	-0.31	-6.27e-02	-0.12	0.21	-3.93e-04	-2.55e-03	-2.55e-03	-3.97e-04	-9.61e-05
2	61	27	0.37	5.05e-02	0.17	0.25	0.16	-1.61e-03	-1.87e-03	-1.65e-03	-1.83e-03	8.47e-05
2	61	34	-7.06e-02	-0.13	-7.07e-02	-0.13	2.10e-03	-1.97e-05	-1.81e-03	-1.80e-03	-2.16e-05	5.77e-05
2	61	35	0.24	0.19	0.19	0.24	2.10e-03	-6.52e-04	-1.80e-03	-6.52e-04	-1.80e-03	-3.75e-06
2	61	42	0.12	-0.31	-6.59e-02	-0.13	-0.21	-3.54e-04	-2.43e-03	-2.42e-03	-3.58e-04	9.74e-05
2	61	43	0.37	4.95e-02	0.17	0.24	-0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	-7.63e-05
2	61	50	0.33	-0.53	-6.05e-02	-0.14	-0.43	-9.87e-04	-1.57e-03	-1.15e-03	-1.41e-03	2.65e-04
2	61	51	0.49	-0.14	0.10	0.25	-0.31	-4.04e-04	-2.04e-03	-2.01e-03	-4.33e-04	-2.16e-04
2	61	58	0.50	-0.76	-5.75e-02	-0.21	-0.63	2.27e-02	-1.61e-03	-3.43e-04	2.15e-02	-5.40e-03
2	61	59	0.67	-0.33	6.61e-03	0.33	-0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.29e-03
2	61	66	0.87	-0.44	0.25	0.18	-0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	4.35e-03
2	61	67	0.34	-0.99	-0.43	-0.22	-0.66	3.80e-02	-1.55e-03	3.69e-02	-4.51e-04	-6.51e-03
2	62	3	0.44	-0.73	-8.94e-02	-0.20	0.58	2.27e-02	-1.28e-03	-6.57e-05	2.15e-02	5.26e-03
2	62	4	0.78	-0.42	0.19	0.17	0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	-4.35e-03
2	62	5	0.63	-0.30	-1.39e-02	0.35	0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	-3.55e-03
2	62	6	0.27	-0.97	-0.47	-0.23	0.61	4.32e-02	-3.50e-04	4.22e-02	6.09e-04	6.39e-03
2	62	18	0.33	-0.45	-4.34e-02	-8.42e-02	0.39	-1.83e-03	-3.08e-03	-3.04e-03	-1.87e-03	-2.19e-04
2	62	19	0.50	-7.49e-02	0.12	0.30	0.27	-8.11e-04	-3.75e-03	-3.73e-03	-8.29e-04	2.23e-04
2	62	26	0.14	-0.24	-2.24e-02	-7.69e-02	0.19	-4.82e-04	-2.76e-03	-2.76e-03	-4.89e-04	-1.28e-04
2	62	27	0.39	0.11	0.20	0.29	0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	4.55e-05
2	62	34	-1.33e-02	-6.34e-02	-1.34e-02	-6.33e-02	-2.10e-03	-5.87e-04	-3.82e-03	-3.82e-03	-5.89e-04	-5.98e-05
2	62	35	0.30	0.24	0.24	0.30	-2.10e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	-1.02e-06
2	62	42	0.15	-0.24	-1.91e-02	-7.08e-02	-0.19	-5.20e-04	-2.88e-03	-2.87e-03	-5.27e-04	1.27e-04
2	62	43	0.40	0.11	0.21	0.30	-0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	-5.78e-05
2	62	50	0.33	-0.44	-3.77e-02	-7.33e-02	-0.39	-1.95e-03	-3.44e-03	-3.41e-03	-1.98e-03	2.09e-04
2	62	51	0.51	-6.94e-02	0.12	0.31	-0.27	-9.06e-04	-4.04e-03	-4.02e-03	-9.24e-04	-2.37e-04
2	62	58	0.44	-0.72	-8.65e-02	-0.19	-0.58	2.26e-02	-1.41e-03	-2.04e-04	2.14e-02	-5.25e-03
2	62	59	0.63	-0.29	-9.68e-03	0.35	-0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	3.57e-03
2	62	66	0.78	-0.42	0.19	0.17	-0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	4.35e-03
2	62	67	0.27	-0.97	-0.47	-0.23	-0.60	4.37e-02	-2.33e-04	4.28e-02	7.13e-04	-6.38e-03
2	63	3	0.50	-0.76	-5.75e-02	-0.21	0.63	2.27e-02	-1.61e-03	-3.46e-04	2.15e-02	5.40e-03
2	63	4	0.87	-0.44	0.25	0.18	0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	-4.35e-03
2	63	5	0.67	-0.33	6.64e-03	0.33	0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.29e-03
2	63	6	0.34	-0.99	-0.43	-0.22	0.66	3.80e-02	-1.55e-03	3.69e-02	-4.50e-04	6.51e-03
2	63	18	0.33	-0.53	-6.05e-02	-0.14	0.43	-9.85e-04	-1.57e-03	-1.15e-03	-1.41e-03	-2.66e-04
2	63	19	0.49	-0.14	0.10	0.25	0.31	-4.05e-04	-2.04e-03	-2.01e-03	-4.34e-04	2.14e-04
2	63	26	0.12	-0.31	-6.59e-02	-0.13	0.21	-3.53e-04	-2.43e-03	-2.42e-03	-3.58e-04	-9.71e-05
2	63	27	0.37	4.95e-02	0.17	0.24	0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	7.47e-05
2	63	34	-7.06e-02	-0.13	-7.07e-02	-0.13	-2.12e-03	-1.92e-05	-1.81e-03	-1.81e-03	-2.13e-05	-6.01e-05
2	63	35	0.24	0.19	0.19	0.24	-2.12e-03	-6.51e-04	-1.80e-03	-6.51e-04	-1.80e-03	-1.33e-06
2	63	42	0.12	-0.31	-6.27e-02	-0.12	-0.21	-3.93e-04	-2.55e-03	-2.55e-03	-3.98e-04	9.74e-05
2	63	43	0.37	5.05e-02	0.17	0.25	-0.16	-1.61e-03	-1.87e-03	-1.64e-03	-1.83e-03	-8.65e-05
2	63	50	0.34	-0.52	-5.49e-02	-0.13	-0.43	-1.27e-03	-1.78e-03	-1.54e-03	-1.52e-03	2.56e-04
2	63	51	0.50	-0.13	0.11	0.26	-0.31	-4.98e-04	-2.34e-03	-2.31e-03	-5.27e-04	-2.28e-04
2	63	58	0.50	-0.76	-5.47e-02	-0.20	-0.62	2.27e-02	-1.73e-03	-4.82e-04	2.14e-02	-5.38e-03
2	63	59	0.68	-0.33	1.07e-02	0.34	-0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	3.32e-03
2	63	66	0.87	-0.43	0.25	0.18	-0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	4.35e-03
2	63	67	0.34	-0.99	-0.43	-0.22	-0.66	3.86e-02	-1.43e-03	3.75e-02	-3.45e-04	-6.50e-03
2	64	3	0.44	-0.72	-8.65e-02	-0.19	0.58	2.26e-02	-1.41e-03	-2.01e-04	2.14e-02	5.25e-03
2	64	4	0.78	-0.42	0.19	0.17	0.60	2.81e-02	1.29e-02	2.67e-02	1.42e-02	-4.35e-03
2	64	5	0.63	-0.29	-9.70e-03	0.35	0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	-3.57e-03
2	64	6	0.27	-0.97	-0.47	-0.23	0.60	4.37e-02	-2.35e-04	4.28e-02	7.12e-04	6.38e-03
2	64	18	0.33	-0.44	-3.77e-02	-7.34e-02	0.39	-1.95e-03	-3.44e-03	-3.41e-03	-1.98e-03	-2.09e-04
2	64	19	0.51	-6.94e-02	0.12	0.31	0.27	-9.05e-04	-4.04e-03	-4.02e-03	-9.23e-04	2.36e-04
2	64	26	0.15	-0.24	-1.90e-02	-7.08e-02	0.19	-5.20e-04	-2.88e-03	-2.87e-03	-5.27e-04	-1.27e-04
2	64	27	0.40	0.11	0.21	0.30	0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	5.55e-05
2	64	34	-1.33e-02	-6.34e-02	-1.34e-02	-6.33e-02	2.11e-03	-5.88e-04	-3.82e-03	-3.82e-03	-5.89e-04	5.76e-05
2	64	35	0.30	0.24	0.24	0.30	2.11e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	-3.64e-06
2	64	42	0.14	-0.24	-2.25e-02	-7.68e-02	-0.19	-4.82e-04	-2.76e-03	-2.76e-03	-4.89e-04	1.27e-04
2	64	43	0.39	0.11	0.20	0.29	-0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	-4.77e-05
2	64	50	0.33	-0.45	-4.35e-02	-8.41e-02	-0.39	-1.83e-03	-3.08e-03	-3.04e-03	-1.87e-03	2.18e-04
2	64	51	0.50	-7.50e-02	0.12	0.30	-0.27	-8.11e-04	-3.74e-03	-3.73e-03	-8.28e-04	-2.25e-04

2	64	58	0.44	-0.73	-8.95e-02	-0.20	-0.58	2.27e-02	-1.29e-03	-6.79e-05	2.15e-02	-5.26e-03
2	64	59	0.63	-0.30	-1.39e-02	0.35	-0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	3.55e-03
2	64	66	0.78	-0.42	0.19	0.17	-0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	4.35e-03
2	64	67	0.27	-0.97	-0.47	-0.23	-0.61	4.32e-02	-3.49e-04	4.22e-02	6.09e-04	-6.39e-03
2	65	3	0.50	-0.76	-5.76e-02	-0.21	0.63	2.27e-02	-1.61e-03	-3.48e-04	2.15e-02	5.40e-03
2	65	4	0.87	-0.44	0.25	0.18	0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	-4.35e-03
2	65	5	0.67	-0.33	6.60e-03	0.33	0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.29e-03
2	65	6	0.34	-0.99	-0.43	-0.22	0.66	3.80e-02	-1.55e-03	3.69e-02	-4.49e-04	6.51e-03
2	65	18	0.33	-0.53	-6.06e-02	-0.14	0.43	-9.90e-04	-1.58e-03	-1.16e-03	-1.41e-03	-2.65e-04
2	65	19	0.49	-0.14	0.10	0.25	0.31	-4.04e-04	-2.04e-03	-2.01e-03	-4.33e-04	2.15e-04
2	65	26	0.12	-0.31	-6.60e-02	-0.13	0.21	-3.54e-04	-2.43e-03	-2.43e-03	-3.59e-04	-9.75e-05
2	65	27	0.37	4.95e-02	0.17	0.24	0.15	-1.50e-03	-1.81e-03	-1.53e-03	-1.79e-03	7.67e-05
2	65	34	-7.06e-02	-0.13	-7.07e-02	-0.13	-2.11e-03	-1.94e-05	-1.81e-03	-1.81e-03	-2.13e-05	-5.76e-05
2	65	35	0.24	0.19	0.19	0.24	-2.11e-03	-6.51e-04	-1.80e-03	-6.51e-04	-1.80e-03	3.64e-06
2	65	42	0.12	-0.31	-6.26e-02	-0.12	-0.21	-3.93e-04	-2.55e-03	-2.54e-03	-3.97e-04	9.71e-05
2	65	43	0.37	5.05e-02	0.17	0.25	-0.16	-1.61e-03	-1.86e-03	-1.64e-03	-1.83e-03	-8.45e-05
2	65	50	0.34	-0.52	-5.48e-02	-0.13	-0.43	-1.27e-03	-1.78e-03	-1.53e-03	-1.52e-03	2.56e-04
2	65	51	0.50	-0.13	0.11	0.26	-0.31	-4.99e-04	-2.34e-03	-2.31e-03	-5.28e-04	-2.27e-04
2	65	58	0.50	-0.76	-5.46e-02	-0.20	-0.62	2.27e-02	-1.73e-03	-4.80e-04	2.14e-02	-5.38e-03
2	65	59	0.68	-0.33	1.08e-02	0.34	-0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	3.31e-03
2	65	66	0.87	-0.43	0.25	0.18	-0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	4.35e-03
2	65	67	0.34	-0.99	-0.43	-0.22	-0.66	3.85e-02	-1.43e-03	3.75e-02	-3.46e-04	-6.50e-03
2	66	3	0.44	-0.72	-8.66e-02	-0.19	0.58	2.26e-02	-1.41e-03	-2.02e-04	2.14e-02	5.25e-03
2	66	4	0.78	-0.42	0.19	0.17	0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	-4.35e-03
2	66	5	0.63	-0.29	-9.74e-03	0.35	0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	-3.57e-03
2	66	6	0.27	-0.97	-0.47	-0.23	0.60	4.37e-02	-2.33e-04	4.28e-02	7.13e-04	6.38e-03
2	66	18	0.33	-0.44	-3.78e-02	-7.34e-02	0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	-2.08e-04
2	66	19	0.51	-6.95e-02	0.12	0.31	0.27	-9.04e-04	-4.04e-03	-4.03e-03	-9.22e-04	2.38e-04
2	66	26	0.15	-0.24	-1.91e-02	-7.08e-02	0.19	-5.21e-04	-2.88e-03	-2.88e-03	-5.28e-04	-1.27e-04
2	66	27	0.40	0.11	0.21	0.30	0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	5.75e-05
2	66	34	-1.33e-02	-6.34e-02	-1.34e-02	-6.33e-02	2.12e-03	-5.88e-04	-3.82e-03	-3.82e-03	-5.89e-04	6.01e-05
2	66	35	0.30	0.24	0.24	0.30	2.12e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	1.33e-06
2	66	42	0.14	-0.24	-2.24e-02	-7.68e-02	-0.19	-4.81e-04	-2.76e-03	-2.75e-03	-4.88e-04	1.27e-04
2	66	43	0.39	0.11	0.20	0.29	-0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	-4.57e-05
2	66	50	0.33	-0.45	-4.34e-02	-8.41e-02	-0.39	-1.83e-03	-3.07e-03	-3.03e-03	-1.87e-03	2.18e-04
2	66	51	0.50	-7.49e-02	0.12	0.30	-0.27	-8.12e-04	-3.74e-03	-3.72e-03	-8.29e-04	-2.23e-04
2	66	58	0.44	-0.73	-8.94e-02	-0.20	-0.58	2.27e-02	-1.28e-03	-6.63e-05	2.15e-02	-5.26e-03
2	66	59	0.63	-0.30	-1.38e-02	0.35	-0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	3.55e-03
2	66	66	0.78	-0.42	0.19	0.17	-0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	4.35e-03
2	66	67	0.27	-0.97	-0.47	-0.23	-0.61	4.32e-02	-3.51e-04	4.22e-02	6.08e-04	-6.39e-03
2	67	3	0.50	-0.76	-5.75e-02	-0.21	0.63	2.27e-02	-1.61e-03	-3.46e-04	2.15e-02	5.40e-03
2	67	4	0.87	-0.44	0.25	0.18	0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	-4.35e-03
2	67	5	0.67	-0.33	6.64e-03	0.33	0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.29e-03
2	67	6	0.34	-0.99	-0.43	-0.22	0.66	3.80e-02	-1.55e-03	3.69e-02	-4.50e-04	6.51e-03
2	67	18	0.33	-0.53	-6.05e-02	-0.14	0.43	-9.86e-04	-1.57e-03	-1.15e-03	-1.41e-03	-2.65e-04
2	67	19	0.49	-0.14	0.10	0.25	0.31	-4.05e-04	-2.04e-03	-2.01e-03	-4.34e-04	2.15e-04
2	67	26	0.12	-0.31	-6.59e-02	-0.13	0.21	-3.53e-04	-2.43e-03	-2.42e-03	-3.58e-04	-9.74e-05
2	67	27	0.37	4.95e-02	0.17	0.24	0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	7.67e-05
2	67	34	-7.06e-02	-0.13	-7.07e-02	-0.13	-2.12e-03	-1.94e-05	-1.81e-03	-1.81e-03	-2.13e-05	-5.78e-05
2	67	35	0.24	0.19	0.19	0.24	-2.12e-03	-6.51e-04	-1.80e-03	-6.51e-04	-1.80e-03	3.54e-06
2	67	42	0.12	-0.31	-6.26e-02	-0.12	-0.21	-3.93e-04	-2.55e-03	-2.55e-03	-3.98e-04	9.72e-05
2	67	43	0.37	5.05e-02	0.17	0.25	-0.16	-1.61e-03	-1.86e-03	-1.64e-03	-1.83e-03	-8.45e-05
2	67	50	0.34	-0.52	-5.49e-02	-0.13	-0.43	-1.27e-03	-1.78e-03	-1.54e-03	-1.52e-03	2.56e-04
2	67	51	0.50	-0.13	0.11	0.26	-0.31	-4.98e-04	-2.34e-03	-2.31e-03	-5.27e-04	-2.27e-04
2	67	58	0.50	-0.76	-5.47e-02	-0.20	-0.62	2.27e-02	-1.73e-03	-4.82e-04	2.14e-02	-5.38e-03
2	67	59	0.68	-0.33	1.07e-02	0.34	-0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	3.31e-03
2	67	66	0.87	-0.43	0.25	0.18	-0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	4.35e-03
2	67	67	0.34	-0.99	-0.43	-0.22	-0.66	3.86e-02	-1.43e-03	3.75e-02	-3.45e-04	-6.50e-03
2	68	3	0.44	-0.72	-8.65e-02	-0.19	0.58	2.26e-02	-1.41e-03	-2.01e-04	2.14e-02	5.25e-03
2	68	4	0.78	-0.42	0.19	0.17	0.60	2.81e-02	1.29e-02	2.67e-02	1.42e-02	-4.35e-03
2	68	5	0.63	-0.29	-9.70e-03	0.35	0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	-3.57e-03
2	68	6	0.27	-0.97	-0.47	-0.23	0.60	4.37e-02	-2.34e-04	4.28e-02	7.12e-04	6.38e-03
2	68	18	0.33	-0.44	-3.77e-02	-7.34e-02	0.39	-1.95e-03	-3.44e-03	-3.41e-03	-1.98e-03	-2.08e-04
2	68	19	0.51	-6.94e-02	0.12	0.31	0.27	-9.04e-04	-4.04e-03	-4.02e-03	-9.23e-04	2.38e-04
2	68	26	0.15	-0.24	-1.91e-02	-7.08e-02	0.19	-5.20e-04	-2.88e-03	-2.87e-03	-5.27e-04	-1.27e-04
2	68	27	0.40	0.11	0.21	0.30	0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	5.75e-05
2	68	34	-1.33e-02	-6.34e-02	-1.34e-02	-6.33e-02	2.11e-03	-5.88e-04	-3.82e-03	-3.82e-03	-5.89e-04	5.99e-05
2	68	35	0.30	0.24	0.24	0.30	2.11e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	1.23e-06
2	68	42	0.14	-0.24	-2.24e-02	-7.68e-02	-0.19	-4.82e-04	-2.76e-03	-2.76e-03	-4.89e-04	1.27e-04
2	68	43	0.39	0.11	0.20	0.29	-0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	-4.57e-05
2	68	50	0.33	-0.45	-4.35e-02	-8.41e-02	-0.39	-1.83e-03	-3.08e-03	-3.04e-03	-1.87e-03	2.18e-04
2	68	51	0.50	-7.50e-02	0.12	0.30	-0.27	-8.11e-04	-3.74e-03	-3.73e-03	-8.28e-04	-2.23e-04
2	68	58	0.44	-0.73	-8.95e-02	-0.20	-0.58	2.27e-02	-1.29e-03	-6.79e-05	2.15e-02	-5.26e-03
2	68	59	0.63	-0.30	-1.39e-02	0.35	-0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	3.55e-03
2	68	66	0.78	-0.42	0.19	0.17	-0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	4.35e-03
2	68	67	0.27	-0.97	-0.47	-0.23	-0.61	4.32e-02	-3.50e-04	4.22e-02	6.09e-04	-6.39e-03
2	69	3	0.50	-0.76	-5.76e-02	-0.21	0.63	2.27e-02	-1.61e-03	-3.48e-04	2.15e-02	5.40e-03

2	69	4	0.87	-0.44	0.25	0.18	0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	-4.35e-03
2	69	5	0.67	-0.33	6.60e-03	0.33	0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.29e-03
2	69	6	0.34	-0.99	-0.43	-0.22	0.66	3.80e-02	-1.55e-03	3.69e-02	-4.49e-04	6.51e-03
2	69	18	0.33	-0.53	-6.06e-02	-0.14	0.43	-9.89e-04	-1.58e-03	-1.16e-03	-1.41e-03	-2.66e-04
2	69	19	0.49	-0.14	0.10	0.25	0.31	-4.05e-04	-2.04e-03	-2.01e-03	-4.33e-04	2.14e-04
2	69	26	0.12	-0.31	-6.60e-02	-0.13	0.21	-3.54e-04	-2.43e-03	-2.43e-03	-3.59e-04	-9.72e-05
2	69	27	0.37	4.95e-02	0.17	0.24	0.15	-1.51e-03	-1.81e-03	-1.53e-03	-1.79e-03	7.47e-05
2	69	34	-7.06e-02	-0.13	-7.07e-02	-0.13	-2.11e-03	-1.93e-05	-1.81e-03	-1.81e-03	-2.13e-05	-5.99e-05
2	69	35	0.24	0.19	0.19	0.24	-2.11e-03	-6.51e-04	-1.80e-03	-6.51e-04	-1.80e-03	-1.23e-06
2	69	42	0.12	-0.31	-6.26e-02	-0.12	-0.21	-3.93e-04	-2.55e-03	-2.54e-03	-3.97e-04	9.73e-05
2	69	43	0.37	5.05e-02	0.17	0.25	-0.16	-1.61e-03	-1.87e-03	-1.64e-03	-1.83e-03	-8.65e-05
2	69	50	0.34	-0.52	-5.48e-02	-0.13	-0.43	-1.27e-03	-1.78e-03	-1.53e-03	-1.52e-03	2.56e-04
2	69	51	0.50	-0.13	0.11	0.26	-0.31	-4.99e-04	-2.34e-03	-2.31e-03	-5.28e-04	-2.28e-04
2	69	58	0.50	-0.76	-5.46e-02	-0.20	-0.62	2.27e-02	-1.73e-03	-4.80e-04	2.14e-02	-5.38e-03
2	69	59	0.68	-0.33	1.08e-02	0.34	-0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	3.32e-03
2	69	66	0.87	-0.43	0.25	0.18	-0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	4.35e-03
2	69	67	0.34	-0.99	-0.43	-0.22	-0.66	3.85e-02	-1.43e-03	3.75e-02	-3.46e-04	-6.50e-03
2	70	3	0.44	-0.72	-8.66e-02	-0.19	0.58	2.26e-02	-1.41e-03	-2.02e-04	2.14e-02	5.25e-03
2	70	4	0.78	-0.42	0.19	0.17	0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	-4.35e-03
2	70	5	0.63	-0.29	-9.74e-03	0.35	0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	-3.57e-03
2	70	6	0.27	-0.97	-0.47	-0.23	0.60	4.37e-02	-2.34e-04	4.28e-02	7.13e-04	6.38e-03
2	70	18	0.33	-0.44	-3.78e-02	-7.34e-02	0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	-2.09e-04
2	70	19	0.51	-6.95e-02	0.12	0.31	0.27	-9.04e-04	-4.04e-03	-4.03e-03	-9.22e-04	2.36e-04
2	70	26	0.15	-0.24	-1.91e-02	-7.08e-02	0.19	-5.21e-04	-2.88e-03	-2.88e-03	-5.28e-04	-1.27e-04
2	70	27	0.40	0.11	0.21	0.30	0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	5.55e-05
2	70	34	-1.33e-02	-6.34e-02	-1.34e-02	-6.33e-02	2.12e-03	-5.88e-04	-3.82e-03	-3.82e-03	-5.89e-04	5.78e-05
2	70	35	0.30	0.24	0.24	0.30	2.12e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	-3.54e-06
2	70	42	0.14	-0.24	-2.24e-02	-7.68e-02	-0.19	-4.81e-04	-2.76e-03	-2.75e-03	-4.88e-04	1.27e-04
2	70	43	0.39	0.11	0.20	0.29	-0.13	-1.84e-03	-1.94e-03	-1.89e-03	-1.89e-03	-4.77e-05
2	70	50	0.33	-0.45	-4.34e-02	-8.41e-02	-0.39	-1.83e-03	-3.07e-03	-3.03e-03	-1.87e-03	2.18e-04
2	70	51	0.50	-7.49e-02	0.12	0.30	-0.27	-8.12e-04	-3.74e-03	-3.73e-03	-8.29e-04	-2.25e-04
2	70	58	0.44	-0.73	-8.94e-02	-0.20	-0.58	2.27e-02	-1.28e-03	-6.63e-05	2.15e-02	-5.26e-03
2	70	59	0.63	-0.30	-1.38e-02	0.35	-0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	3.55e-03
2	70	66	0.78	-0.42	0.19	0.17	-0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	4.35e-03
2	70	67	0.27	-0.97	-0.47	-0.23	-0.61	4.32e-02	-3.50e-04	4.22e-02	6.08e-04	-6.39e-03
2	71	3	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
2	71	4	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
2	71	5	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
2	71	6	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
2	71	18	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
2	71	19	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
2	71	26	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
2	71	27	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
2	71	34	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
2	71	35	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
2	71	42	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
2	71	43	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
2	71	50	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
2	71	51	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
2	71	58	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
2	71	59	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
2	71	66	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
2	71	67	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
2	72	3	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
2	72	4	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
2	72	5	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
2	72	6	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
2	72	18	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
2	72	19	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
2	72	26	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
2	72	27	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
2	72	34	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
2	72	35	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
2	72	42	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
2	72	43	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
2	72	50	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
2	72	51	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
2	72	58	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
2	72	59	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
2	72	66	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
2	72	67	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
2	73	3	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
2	73	4	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
2	73	5	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
2	73	6	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
2	73	18	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
2	73	19	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04

2	73	26	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
2	73	27	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
2	73	34	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
2	73	35	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
2	73	42	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
2	73	43	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
2	73	50	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
2	73	51	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
2	73	58	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
2	73	59	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
2	73	66	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
2	73	67	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
2	74	3	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
2	74	4	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
2	74	5	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
2	74	6	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
2	74	18	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
2	74	19	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
2	74	26	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
2	74	27	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
2	74	34	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
2	74	35	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
2	74	42	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
2	74	43	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
2	74	50	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
2	74	51	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
2	74	58	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
2	74	59	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
2	74	66	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
2	74	67	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
2	75	3	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
2	75	4	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
2	75	5	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
2	75	6	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
2	75	18	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
2	75	19	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
2	75	26	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
2	75	27	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
2	75	34	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
2	75	35	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
2	75	42	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
2	75	43	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
2	75	50	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
2	75	51	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
2	75	58	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
2	75	59	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
2	75	66	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
2	75	67	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
2	76	3	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
2	76	4	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
2	76	5	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
2	76	6	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
2	76	18	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
2	76	19	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
2	76	26	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
2	76	27	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
2	76	34	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
2	76	35	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
2	76	42	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
2	76	43	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
2	76	50	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
2	76	51	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
2	76	58	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
2	76	59	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
2	76	66	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
2	76	67	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
	111.44	-18.91	-4.27	-4.83	-25.94	14.45	-6.75	-6.73	-1.36	-1.00
			19.51	110.79	25.94			14.37	2.88	1.00

Macro	Tipo	Angolo 1-X (gradi)
3	Guscio	0.0

M_G	Cmb	Nodo	N max daN/cm	N min daN/cm	N 1 daN/cm	N 2 daN/cm	N 1-2 daN/cm	M max daN	M min daN	M 1 daN	M 2 daN	M 1-2 daN
3	1	5	0.49	-0.54	-0.14	8.18e-02	0.51	1.23e-02	-3.07e-02	-2.64e-02	7.97e-03	1.29e-02
3	1	6	0.25	-0.42	-0.19	2.20e-02	0.32	9.86e-02	2.14e-02	9.50e-02	2.50e-02	-1.63e-02
3	1	7	0.38	-8.78e-02	-8.26e-02	0.37	4.88e-02	-8.79e-03	-4.20e-02	-3.62e-02	-1.46e-02	-1.26e-02
3	1	8	3.38e-02	-0.72	-0.50	-0.19	0.34	0.10	1.36e-02	9.96e-02	1.70e-02	1.69e-02
3	1	19	0.48	-0.25	5.95e-02	0.17	0.36	-3.63e-03	-8.83e-03	-8.18e-03	-4.28e-03	-1.72e-03
3	1	20	0.38	0.14	0.14	0.38	6.91e-03	-2.26e-04	-7.45e-03	-7.29e-03	-3.79e-04	1.04e-03
3	1	27	0.35	-5.14e-03	0.17	0.17	0.18	-3.36e-03	-7.31e-03	-7.13e-03	-3.54e-03	-8.32e-04
3	1	28	0.37	0.27	0.28	0.37	5.85e-03	3.66e-04	-5.07e-03	-5.04e-03	3.34e-04	4.17e-04
3	1	35	0.21	0.17	0.21	0.17	0.17	-3.59e-03	-7.21e-03	-7.21e-03	-3.59e-03	
3	1	36	0.36	0.32	0.32	0.36	0.36	5.82e-04	-4.83e-03	-4.83e-03	5.82e-04	
3	1	43	0.35	-5.14e-03	0.17	0.17	-0.18	-3.36e-03	-7.31e-03	-7.13e-03	-3.54e-03	8.32e-04
3	1	44	0.37	0.27	0.28	0.37	-5.85e-03	3.66e-04	-5.07e-03	-5.04e-03	3.34e-04	-4.17e-04
3	1	51	0.48	-0.25	5.95e-02	0.17	-0.36	-3.63e-03	-8.83e-03	-8.18e-03	-4.28e-03	-1.72e-03
3	1	52	0.38	0.14	0.14	0.38	-6.91e-03	-2.26e-04	-7.45e-03	-7.29e-03	-3.79e-04	-1.04e-03
3	1	59	0.49	-0.54	-0.14	8.18e-02	-0.51	1.23e-02	-3.07e-02	-2.64e-02	7.97e-03	-1.29e-02
3	1	60	0.38	-8.78e-02	-8.26e-02	0.37	-4.88e-02	-8.79e-03	-4.20e-02	-3.62e-02	-1.46e-02	1.26e-02
3	1	67	0.25	-0.42	-0.19	2.20e-02	-0.32	9.86e-02	2.14e-02	9.50e-02	2.50e-02	1.63e-02
3	1	68	3.38e-02	-0.72	-0.50	-0.19	-0.34	0.10	1.36e-02	9.96e-02	1.70e-02	-1.69e-02
3	2	5	0.49	-0.54	-0.14	8.18e-02	0.51	1.23e-02	-3.07e-02	-2.64e-02	7.97e-03	1.29e-02
3	2	6	0.25	-0.42	-0.19	2.20e-02	0.32	9.86e-02	2.14e-02	9.50e-02	2.50e-02	-1.63e-02
3	2	7	0.38	-8.78e-02	-8.26e-02	0.37	4.88e-02	-8.79e-03	-4.20e-02	-3.62e-02	-1.46e-02	-1.26e-02
3	2	8	3.38e-02	-0.72	-0.50	-0.19	0.34	0.10	1.36e-02	9.96e-02	1.70e-02	1.69e-02
3	2	19	0.48	-0.25	5.95e-02	0.17	0.36	-3.63e-03	-8.83e-03	-8.18e-03	-4.28e-03	-1.72e-03
3	2	20	0.38	0.14	0.14	0.38	6.91e-03	-2.26e-04	-7.45e-03	-7.29e-03	-3.79e-04	1.04e-03
3	2	27	0.35	-5.14e-03	0.17	0.17	0.18	-3.36e-03	-7.31e-03	-7.13e-03	-3.54e-03	-8.32e-04
3	2	28	0.37	0.27	0.28	0.37	5.85e-03	3.66e-04	-5.07e-03	-5.04e-03	3.34e-04	4.17e-04
3	2	35	0.21	0.17	0.21	0.17	0.17	-3.59e-03	-7.21e-03	-7.21e-03	-3.59e-03	
3	2	36	0.36	0.32	0.32	0.36	0.36	5.82e-04	-4.83e-03	-4.83e-03	5.82e-04	
3	2	43	0.35	-5.14e-03	0.17	0.17	-0.18	-3.36e-03	-7.31e-03	-7.13e-03	-3.54e-03	8.32e-04
3	2	44	0.37	0.27	0.28	0.37	-5.85e-03	3.66e-04	-5.07e-03	-5.04e-03	3.34e-04	-4.17e-04
3	2	51	0.48	-0.25	5.95e-02	0.17	-0.36	-3.63e-03	-8.83e-03	-8.18e-03	-4.28e-03	-1.72e-03
3	2	52	0.38	0.14	0.14	0.38	-6.91e-03	-2.26e-04	-7.45e-03	-7.29e-03	-3.79e-04	-1.04e-03
3	2	59	0.49	-0.54	-0.14	8.18e-02	-0.51	1.23e-02	-3.07e-02	-2.64e-02	7.97e-03	-1.29e-02
3	2	60	0.38	-8.78e-02	-8.26e-02	0.37	-4.88e-02	-8.79e-03	-4.20e-02	-3.62e-02	-1.46e-02	1.26e-02
3	2	67	0.25	-0.42	-0.19	2.20e-02	-0.32	9.86e-02	2.14e-02	9.50e-02	2.50e-02	1.63e-02
3	2	68	3.38e-02	-0.72	-0.50	-0.19	-0.34	0.10	1.36e-02	9.96e-02	1.70e-02	-1.69e-02
3	3	5	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
3	3	6	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
3	3	7	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
3	3	8	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
3	3	19	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
3	3	20	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
3	3	27	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
3	3	28	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
3	3	35	0.16	0.13	0.16	0.13	0.13	-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
3	3	36	0.28	0.25	0.25	0.28	0.28	4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
3	3	43	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
3	3	44	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
3	3	51	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
3	3	52	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
3	3	59	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
3	3	60	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
3	3	67	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
3	3	68	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
3	4	5	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
3	4	6	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
3	4	7	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
3	4	8	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
3	4	19	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
3	4	20	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
3	4	27	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
3	4	28	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
3	4	35	0.16	0.13	0.16	0.13	0.13	-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
3	4	36	0.28	0.25	0.25	0.28	0.28	4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
3	4	43	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
3	4	44	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
3	4	51	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
3	4	52	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
3	4	59	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
3	4	60	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
3	4	67	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
3	4	68	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
3	5	5	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03

3	5	6	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
3	5	7	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
3	5	8	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
3	5	19	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
3	5	20	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
3	5	27	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
3	5	28	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
3	5	35	0.16	0.13	0.16	0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
3	5	36	0.28	0.25	0.25	0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
3	5	43	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
3	5	44	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
3	5	51	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
3	5	52	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
3	5	59	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
3	5	60	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
3	5	67	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
3	5	68	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
3	6	5	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
3	6	6	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
3	6	7	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
3	6	8	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
3	6	19	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
3	6	20	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
3	6	27	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
3	6	28	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
3	6	35	0.16	0.13	0.16	0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
3	6	36	0.28	0.25	0.25	0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
3	6	43	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
3	6	44	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
3	6	51	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
3	6	52	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
3	6	59	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
3	6	60	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
3	6	67	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
3	6	68	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
3	7	5	29.01	4.65	4.86	28.80	2.25	-0.34	-1.77	-1.76	-0.35	9.35e-02
3	7	6	9.19	-4.77	4.71	-0.29	-6.52	3.78	0.73	3.76	0.75	-0.26
3	7	7	29.07	4.78	4.94	28.91	-1.94	-0.34	-1.76	-1.75	-0.35	-9.76e-02
3	7	8	9.59	-5.12	4.84	-0.36	6.88	3.75	0.72	3.73	0.74	0.26
3	7	19	28.59	4.99	5.00	28.57	0.59	-2.01e-02	-9.00e-02	-9.00e-02	-2.01e-02	1.78e-03
3	7	20	28.66	4.98	4.99	28.65	-0.37	-7.83e-03	-8.26e-02	-8.22e-02	-8.25e-03	-5.55e-03
3	7	27	28.01	5.08	5.08	28.01	3.74e-02	-5.92e-05	-2.12e-02	-1.69e-02	-4.35e-03	-8.50e-03
3	7	28	28.10	5.03	5.03	28.10	8.12e-02	9.59e-03	-1.27e-02	-1.05e-02	7.40e-03	6.63e-03
3	7	35	27.96	5.10	5.10	27.96	3.37e-03	-6.08e-03	-2.68e-02	-2.68e-02	-6.08e-03	-3.09e-06
3	7	36	28.05	5.04	5.04	28.05	3.37e-03	6.08e-03	-2.07e-02	-2.07e-02	6.08e-03	-2.05e-05
3	7	43	28.01	5.07	5.07	28.01	-3.27e-02	1.79e-04	-2.11e-02	-1.69e-02	-4.05e-03	8.51e-03
3	7	44	28.10	5.03	5.03	28.10	-7.64e-02	9.58e-03	-1.26e-02	-1.05e-02	7.41e-03	-6.60e-03
3	7	51	28.58	4.99	5.00	28.57	-0.59	-2.01e-02	-8.99e-02	-8.99e-02	-2.01e-02	-1.77e-03
3	7	52	28.66	4.98	4.99	28.65	0.37	-7.82e-03	-8.25e-02	-8.21e-02	-8.24e-03	5.55e-03
3	7	59	29.01	4.65	4.86	28.80	-2.26	-0.34	-1.77	-1.76	-0.35	-9.35e-02
3	7	60	29.06	4.78	4.94	28.91	1.94	-0.34	-1.76	-1.75	-0.35	9.76e-02
3	7	67	9.18	-4.76	4.71	-0.29	6.51	3.78	0.73	3.76	0.75	0.26
3	7	68	9.60	-5.12	4.84	-0.36	-6.89	3.75	0.72	3.73	0.74	-0.26
3	8	5	-0.79	-4.58	-0.79	-4.58	4.50e-02	0.26	4.96e-02	0.26	5.02e-02	1.05e-02
3	8	6	1.03	-1.68	-0.77	0.12	1.28	-0.10	-0.54	-0.54	-0.11	3.10e-02
3	8	7	-0.90	-4.35	-0.94	-4.31	0.34	0.25	4.52e-02	0.25	4.52e-02	-2.74e-03
3	8	8	0.29	-1.75	-1.32	-0.14	-0.83	-9.87e-02	-0.50	-0.50	-0.10	-2.77e-02
3	8	19	-0.77	-4.46	-0.77	-4.45	0.17	1.10e-02	-2.06e-02	9.80e-03	-1.94e-02	5.95e-03
3	8	20	-0.67	-4.28	-0.67	-4.28	6.73e-02	1.03e-02	6.20e-05	9.55e-03	7.94e-04	2.64e-03
3	8	27	-0.77	-4.37	-0.77	-4.37	0.12	-7.21e-03	-3.89e-02	-9.49e-03	-3.66e-02	8.19e-03
3	8	28	-0.50	-4.21	-0.50	-4.21	-8.13e-03	6.42e-04	-7.61e-03	-6.05e-03	-9.18e-04	-3.23e-03
3	8	35	-0.77	-4.36	-0.77	-4.36	-3.44e-03	-1.06e-02	-4.49e-02	-1.06e-02	-4.49e-02	-1.03e-05
3	8	36	-0.45	-4.20	-0.45	-4.20	-3.44e-03	1.23e-03	-4.85e-03	-4.85e-03	1.23e-03	-2.27e-05
3	8	43	-0.77	-4.37	-0.77	-4.37	-0.12	-7.29e-03	-3.92e-02	-9.57e-03	-3.69e-02	-8.21e-03
3	8	44	-0.50	-4.21	-0.50	-4.21	3.27e-03	6.37e-04	-7.66e-03	-6.09e-03	-9.31e-04	3.25e-03
3	8	51	-0.76	-4.45	-0.77	-4.44	-0.17	1.08e-02	-2.06e-02	9.61e-03	-1.94e-02	-5.98e-03
3	8	52	-0.67	-4.28	-0.67	-4.28	-6.71e-02	1.02e-02	3.81e-05	9.50e-03	7.85e-04	-2.66e-03
3	8	59	-0.79	-4.58	-0.79	-4.57	-3.94e-02	0.26	4.96e-02	0.26	5.01e-02	-1.04e-02
3	8	60	-0.90	-4.34	-0.94	-4.31	-0.33	0.25	4.52e-02	0.25	4.52e-02	2.81e-03
3	8	67	1.02	-1.67	-0.77	0.12	-1.27	-0.10	-0.54	-0.53	-0.11	-3.09e-02
3	8	68	0.30	-1.76	-1.32	-0.14	0.84	-9.87e-02	-0.50	-0.50	-0.10	2.77e-02
3	9	5	31.67	5.10	5.32	31.45	2.42	-0.38	-1.93	-1.92	-0.38	0.10
3	9	6	10.07	-5.23	5.15	-0.32	-7.15	4.12	0.80	4.10	0.82	-0.29
3	9	7	31.72	5.23	5.40	31.55	-2.13	-0.37	-1.92	-1.91	-0.38	-0.11
3	9	8	10.48	-5.54	5.32	-0.38	7.48	4.09	0.79	4.06	0.81	0.28
3	9	19	31.21	5.45	5.46	31.19	0.62	-2.17e-02	-9.78e-02	-9.78e-02	-2.17e-02	2.07e-03
3	9	20	31.27	5.43	5.44	31.27	-0.41	-8.52e-03	-8.97e-02	-8.93e-02	-8.98e-03	-6.12e-03

3	9	27	30.58	5.53	5.53	30.58	2.64e-02	1.94e-04	-2.27e-02	-1.80e-02	-4.48e-03	-9.22e-03
3	9	28	30.66	5.47	5.47	30.66	8.62e-02	1.05e-02	-1.35e-02	-1.11e-02	8.08e-03	7.19e-03
3	9	35	30.53	5.56	5.56	30.53	3.44e-03	-6.39e-03	-2.88e-02	-2.88e-02	-6.39e-03	1.03e-05
3	9	36	30.61	5.48	5.48	30.61	3.44e-03	6.62e-03	-2.23e-02	-2.23e-02	6.62e-03	2.27e-05
3	9	43	30.58	5.53	5.53	30.58	-2.15e-02	4.65e-04	-2.26e-02	-1.79e-02	-4.17e-03	9.24e-03
3	9	44	30.66	5.47	5.47	30.66	-8.14e-02	1.05e-02	-1.35e-02	-1.11e-02	8.09e-03	-7.21e-03
3	9	51	31.20	5.44	5.46	31.19	-0.62	-2.16e-02	-9.76e-02	-9.76e-02	-2.17e-02	-2.05e-03
3	9	52	31.27	5.43	5.44	31.26	0.41	-8.51e-03	-8.97e-02	-8.92e-02	-8.97e-03	6.14e-03
3	9	59	31.67	5.10	5.32	31.44	-2.43	-0.38	-1.93	-1.92	-0.38	-0.10
3	9	60	31.72	5.23	5.40	31.55	2.12	-0.37	-1.92	-1.91	-0.38	0.11
3	9	67	10.06	-5.23	5.15	-0.32	7.14	4.12	0.80	4.10	0.82	0.29
3	9	68	10.49	-5.55	5.32	-0.38	-7.49	4.09	0.79	4.06	0.81	-0.28
3	10	5	-0.30	-1.95	-0.33	-1.93	0.21	1.00e-01	1.34e-02	9.60e-02	1.74e-02	1.82e-02
3	10	6	0.57	-0.80	-0.33	9.30e-02	0.65	-3.77e-02	-0.20	-0.20	-3.81e-02	7.93e-03
3	10	7	-0.46	-1.69	-0.48	-1.67	0.15	9.12e-02	1.26e-02	8.97e-02	1.41e-02	-1.09e-02
3	10	8	-8.96e-02	-0.91	-0.84	-0.16	-0.23	-3.30e-02	-0.17	-0.17	-3.32e-02	-5.10e-03
3	10	19	-0.29	-1.85	-0.32	-1.83	0.20	3.61e-03	-2.26e-02	2.02e-03	-2.10e-02	6.25e-03
3	10	20	-0.22	-1.67	-0.22	-1.67	2.94e-02	3.66e-03	-1.13e-03	2.47e-03	5.80e-05	2.07e-03
3	10	27	-0.31	-1.81	-0.32	-1.80	0.11	-8.60e-03	-3.87e-02	-1.06e-02	-3.67e-02	7.47e-03
3	10	28	-5.88e-02	-1.64	-5.88e-02	-1.64	-3.05e-03	7.32e-04	-7.64e-03	-6.67e-03	-2.37e-04	-2.68e-03
3	10	35	-0.31	-1.79	-0.31	-1.79	-3.37e-03	-1.26e-02	-4.52e-02	-1.26e-02	-4.52e-02	3.09e-06
3	10	36	-6.33e-03	-1.64	-6.33e-03	-1.64	-3.37e-03	1.77e-03	-6.45e-03	-6.45e-03	1.77e-03	2.05e-05
3	10	43	-0.31	-1.80	-0.31	-1.80	-0.11	-8.63e-03	-3.90e-02	-1.06e-02	-3.70e-02	-7.47e-03
3	10	44	-5.83e-02	-1.64	-5.83e-02	-1.64	-1.75e-03	6.97e-04	-7.65e-03	-6.70e-03	-2.50e-04	2.65e-03
3	10	51	-0.29	-1.85	-0.31	-1.82	-0.20	3.50e-03	-2.26e-02	1.90e-03	-2.10e-02	-6.26e-03
3	10	52	-0.22	-1.66	-0.22	-1.66	-2.89e-02	3.62e-03	-1.14e-03	2.43e-03	4.95e-05	-2.06e-03
3	10	59	-0.30	-1.95	-0.33	-1.93	-0.21	1.00e-01	1.34e-02	9.60e-02	1.74e-02	-1.81e-02
3	10	60	-0.46	-1.69	-0.48	-1.67	-0.15	9.12e-02	1.26e-02	8.97e-02	1.41e-02	1.09e-02
3	10	67	0.56	-0.79	-0.33	9.32e-02	-0.64	-3.76e-02	-0.20	-0.20	-3.80e-02	-7.94e-03
3	10	68	-8.53e-02	-0.91	-0.84	-0.16	0.23	-3.30e-02	-0.17	-0.17	-3.32e-02	5.14e-03
3	11	5	29.01	4.65	4.86	28.80	2.26	-0.34	-1.77	-1.76	-0.35	9.36e-02
3	11	6	9.18	-4.76	4.71	-0.29	-6.51	3.78	0.73	3.76	0.75	-0.26
3	11	7	29.06	4.78	4.94	28.91	-1.94	-0.34	-1.76	-1.75	-0.35	-9.75e-02
3	11	8	9.60	-5.12	4.84	-0.36	6.89	3.75	0.72	3.73	0.74	0.26
3	11	19	28.58	4.99	5.00	28.57	0.59	-2.01e-02	-8.99e-02	-8.98e-02	-2.01e-02	1.76e-03
3	11	20	28.66	4.98	4.99	28.65	-0.37	-7.82e-03	-8.25e-02	-8.21e-02	-8.24e-03	-5.56e-03
3	11	27	28.01	5.08	5.08	28.01	3.26e-02	1.96e-04	-2.11e-02	-1.69e-02	-4.05e-03	-8.52e-03
3	11	28	28.10	5.03	5.03	28.10	7.63e-02	9.60e-03	-1.26e-02	-1.04e-02	7.41e-03	6.63e-03
3	11	35	27.96	5.10	5.10	27.96	-3.45e-03	-6.09e-03	-2.68e-02	-2.68e-02	-6.09e-03	-9.75e-06
3	11	36	28.05	5.04	5.04	28.05	-3.45e-03	6.08e-03	-2.07e-02	-2.07e-02	6.08e-03	-2.19e-05
3	11	43	28.01	5.08	5.08	28.01	-3.75e-02	-7.64e-05	-2.12e-02	-1.70e-02	-4.35e-03	8.50e-03
3	11	44	28.10	5.03	5.03	28.10	-8.12e-02	9.57e-03	-1.27e-02	-1.05e-02	7.39e-03	-6.61e-03
3	11	51	28.59	4.99	5.00	28.57	-0.59	-2.01e-02	-9.01e-02	-9.00e-02	-2.02e-02	-1.78e-03
3	11	52	28.66	4.98	4.99	28.65	0.37	-7.84e-03	-8.26e-02	-8.22e-02	-8.25e-03	5.54e-03
3	11	59	29.01	4.65	4.86	28.80	-2.25	-0.34	-1.77	-1.76	-0.35	-9.35e-02
3	11	60	29.07	4.78	4.94	28.91	1.94	-0.34	-1.76	-1.75	-0.35	9.76e-02
3	11	67	9.19	-4.77	4.71	-0.29	6.52	3.78	0.73	3.76	0.75	0.26
3	11	68	9.59	-5.12	4.84	-0.36	-6.88	3.75	0.72	3.73	0.74	-0.26
3	12	5	-0.79	-4.58	-0.79	-4.57	3.93e-02	0.26	4.96e-02	0.26	5.02e-02	1.04e-02
3	12	6	1.02	-1.67	-0.77	0.12	1.27	-0.10	-0.54	-0.53	-0.11	3.10e-02
3	12	7	-0.90	-4.34	-0.94	-4.31	0.33	0.25	4.52e-02	0.25	4.52e-02	-2.78e-03
3	12	8	0.30	-1.76	-1.32	-0.14	-0.84	-9.87e-02	-0.50	-0.50	-0.10	-2.78e-02
3	12	19	-0.76	-4.45	-0.77	-4.44	0.17	1.08e-02	-2.06e-02	9.64e-03	-1.94e-02	5.97e-03
3	12	20	-0.67	-4.28	-0.67	-4.28	6.70e-02	1.02e-02	4.56e-05	9.50e-03	7.85e-04	2.64e-03
3	12	27	-0.77	-4.37	-0.77	-4.37	0.12	-7.27e-03	-3.92e-02	-9.54e-03	-3.69e-02	8.20e-03
3	12	28	-0.50	-4.21	-0.50	-4.21	-3.30e-03	6.19e-04	-7.64e-03	-6.09e-03	-9.31e-04	-3.22e-03
3	12	35	-0.77	-4.36	-0.77	-4.36	3.38e-03	-1.06e-02	-4.49e-02	-1.06e-02	-4.49e-02	-3.68e-06
3	12	36	-0.45	-4.20	-0.45	-4.20	3.38e-03	1.23e-03	-4.85e-03	-4.85e-03	1.23e-03	-2.12e-05
3	12	43	-0.77	-4.37	-0.77	-4.37	-0.12	-7.24e-03	-3.89e-02	-9.52e-03	-3.66e-02	-8.19e-03
3	12	44	-0.50	-4.21	-0.50	-4.21	8.12e-03	6.60e-04	-7.63e-03	-6.06e-03	-9.18e-04	3.26e-03
3	12	51	-0.77	-4.46	-0.77	-4.45	-0.17	1.09e-02	-2.06e-02	9.77e-03	-1.94e-02	-5.97e-03
3	12	52	-0.67	-4.28	-0.67	-4.28	-6.74e-02	1.03e-02	5.53e-05	9.55e-03	7.95e-04	-2.65e-03
3	12	59	-0.79	-4.58	-0.79	-4.58	-4.51e-02	0.26	4.96e-02	0.26	5.02e-02	-1.05e-02
3	12	60	-0.90	-4.35	-0.94	-4.31	-0.34	0.25	4.52e-02	0.25	4.52e-02	2.78e-03
3	12	67	1.03	-1.68	-0.77	0.12	-1.28	-0.10	-0.54	-0.54	-0.11	-3.09e-02
3	12	68	0.29	-1.75	-1.32	-0.14	0.83	-9.87e-02	-0.50	-0.50	-0.10	2.77e-02
3	13	5	31.67	5.09	5.32	31.44	2.43	-0.38	-1.93	-1.92	-0.38	0.10
3	13	6	10.06	-5.23	5.15	-0.32	-7.14	4.12	0.80	4.10	0.82	-0.29
3	13	7	31.72	5.23	5.40	31.55	-2.12	-0.37	-1.92	-1.91	-0.38	-0.11
3	13	8	10.49	-5.55	5.32	-0.38	7.49	4.09	0.79	4.06	0.81	0.28
3	13	19	31.20	5.44	5.46	31.19	0.62	-2.16e-02	-9.77e-02	-9.76e-02	-2.17e-02	2.06e-03
3	13	20	31.27	5.43	5.44	31.26	-0.41	-8.51e-03	-8.97e-02	-8.92e-02	-8.97e-03	-6.13e-03
3	13	27	30.58	5.53	5.53	30.58	2.16e-02	4.48e-04	-2.26e-02	-1.80e-02	-4.18e-03	-9.23e-03
3	13	28	30.66	5.47	5.47	30.66	8.14e-02	1.05e-02	-1.35e-02	-1.11e-02	8.09e-03	7.18e-03
3	13	35	30.53	5.55	5.55	30.53	-3.38e-03	-6.39e-03	-2.88e-02	-2.88e-02	-6.39e-03	3.68e-06
3	13	36	30.60	5.48	5.48	30.60	-3.38e-03	6.62e-03	-2.23e-02	-2.23e-02	6.62e-03	2.12e-05
3	13	43	30.58	5.53	5.53	30.58	-2.64e-02	2.10e-04	-2.27e-02	-1.80e-02	-4.47e-03	9.23e-03

3	13	44	30.66	5.47	5.47	30.66	-8.62e-02	1.05e-02	-1.35e-02	-1.11e-02	8.08e-03	-7.21e-03
3	13	51	31.21	5.45	5.46	31.19	-0.62	-2.16e-02	-9.78e-02	-9.77e-02	-2.17e-02	-2.06e-03
3	13	52	31.27	5.43	5.44	31.27	0.41	-8.52e-03	-8.97e-02	-8.93e-02	-8.98e-03	6.13e-03
3	13	59	31.67	5.10	5.32	31.45	-2.42	-0.38	-1.93	-1.92	-0.38	-0.10
3	13	60	31.72	5.23	5.40	31.55	2.13	-0.37	-1.92	-1.91	-0.38	0.11
3	13	67	10.07	-5.23	5.15	-0.32	7.15	4.12	0.80	4.10	0.82	0.29
3	13	68	10.48	-5.54	5.32	-0.38	-7.48	4.09	0.79	4.06	0.81	-0.28
3	14	5	-0.30	-1.95	-0.33	-1.93	0.21	9.99e-02	1.34e-02	9.60e-02	1.74e-02	1.81e-02
3	14	6	0.56	-0.79	-0.33	9.31e-02	0.64	-3.76e-02	-0.20	-0.20	-3.80e-02	7.92e-03
3	14	7	-0.46	-1.69	-0.48	-1.67	0.15	9.12e-02	1.26e-02	8.97e-02	1.41e-02	-1.09e-02
3	14	8	-8.53e-02	-0.91	-0.84	-0.16	-0.23	-3.30e-02	-0.17	-0.17	-3.32e-02	-5.11e-03
3	14	19	-0.29	-1.85	-0.32	-1.82	0.20	3.46e-03	-2.26e-02	1.86e-03	-2.10e-02	6.27e-03
3	14	20	-0.22	-1.66	-0.22	-1.66	2.90e-02	3.63e-03	-1.16e-03	2.43e-03	4.89e-05	2.08e-03
3	14	27	-0.31	-1.80	-0.31	-1.80	0.11	-8.65e-03	-3.90e-02	-1.06e-02	-3.70e-02	7.48e-03
3	14	28	-5.84e-02	-1.64	-5.84e-02	-1.64	1.78e-03	7.11e-04	-7.67e-03	-6.71e-03	-2.50e-04	-2.67e-03
3	14	35	-0.31	-1.79	-0.31	-1.79	3.45e-03	-1.26e-02	-4.52e-02	-1.26e-02	-4.52e-02	9.75e-06
3	14	36	-6.30e-03	-1.64	-6.30e-03	-1.64	3.45e-03	1.77e-03	-6.45e-03	-6.45e-03	1.77e-03	2.19e-05
3	14	43	-0.31	-1.81	-0.32	-1.80	-0.11	-8.58e-03	-3.87e-02	-1.06e-02	-3.67e-02	-7.46e-03
3	14	44	-5.87e-02	-1.64	-5.87e-02	-1.64	3.11e-03	7.17e-04	-7.62e-03	-6.67e-03	-2.37e-04	2.65e-03
3	14	51	-0.29	-1.85	-0.32	-1.83	-0.20	3.65e-03	-2.25e-02	-1.05e-02	-2.10e-02	-6.24e-03
3	14	52	-0.22	-1.67	-0.22	-1.67	-2.93e-02	3.65e-03	-1.12e-03	2.47e-03	5.93e-05	-2.05e-03
3	14	59	-0.30	-1.95	-0.33	-1.93	-0.21	0.10	1.34e-02	9.60e-02	1.74e-02	-1.82e-02
3	14	60	-0.46	-1.69	-0.48	-1.67	-0.15	9.12e-02	1.26e-02	8.97e-02	1.41e-02	1.09e-02
3	14	67	0.57	-0.80	-0.33	9.31e-02	-0.65	-3.77e-02	-0.20	-0.20	-3.81e-02	-7.95e-03
3	14	68	-8.96e-02	-0.91	-0.84	-0.16	0.23	-3.30e-02	-0.17	-0.17	-3.32e-02	5.13e-03
3	15	5	29.01	4.65	4.86	28.80	2.25	-0.34	-1.77	-1.76	-0.35	9.35e-02
3	15	6	9.19	-4.77	4.71	-0.29	-6.52	3.78	0.73	3.76	0.75	-0.26
3	15	7	29.07	4.78	4.94	28.91	-1.94	-0.34	-1.76	-1.75	-0.35	-9.76e-02
3	15	8	9.59	-5.12	4.84	-0.36	6.88	3.75	0.72	3.73	0.74	0.26
3	15	19	28.59	4.99	5.00	28.57	0.59	-2.01e-02	-9.00e-02	-9.00e-02	-2.01e-02	1.79e-03
3	15	20	28.66	4.98	4.99	28.65	-0.37	-7.83e-03	-8.26e-02	-8.22e-02	-8.25e-03	-5.54e-03
3	15	27	28.01	5.08	5.08	28.01	3.75e-02	-6.58e-05	-2.12e-02	-1.69e-02	-4.35e-03	-8.50e-03
3	15	28	28.10	5.03	5.03	28.10	8.12e-02	9.57e-03	-1.27e-02	-1.05e-02	7.40e-03	6.61e-03
3	15	35	27.96	5.10	5.10	27.96	3.46e-03	-6.08e-03	-2.68e-02	-2.68e-02	-6.08e-03	1.15e-05
3	15	36	28.05	5.04	5.04	28.05	3.46e-03	6.08e-03	-2.07e-02	-2.07e-02	6.08e-03	2.04e-05
3	15	43	28.01	5.07	5.07	28.01	-3.26e-02	1.86e-04	-2.12e-02	-1.69e-02	-4.05e-03	8.51e-03
3	15	44	28.10	5.03	5.03	28.10	-7.63e-02	9.60e-03	-1.26e-02	-1.05e-02	7.41e-03	-6.63e-03
3	15	51	28.58	4.99	5.00	28.57	-0.59	-2.01e-02	-8.99e-02	-8.99e-02	-2.01e-02	-1.76e-03
3	15	52	28.66	4.98	4.99	28.65	0.37	-7.82e-03	-8.26e-02	-8.21e-02	-8.24e-03	5.56e-03
3	15	59	29.01	4.65	4.86	28.80	-2.26	-0.34	-1.77	-1.76	-0.35	-9.36e-02
3	15	60	29.06	4.78	4.94	28.91	1.94	-0.34	-1.76	-1.75	-0.35	9.75e-02
3	15	67	9.18	-4.76	4.71	-0.29	6.51	3.78	0.73	3.76	0.75	0.26
3	15	68	9.60	-5.12	4.84	-0.36	-6.89	3.75	0.72	3.73	0.74	-0.26
3	16	5	-0.79	-4.58	-0.79	-4.58	4.51e-02	0.26	4.96e-02	0.26	5.02e-02	1.05e-02
3	16	6	1.03	-1.68	-0.77	0.12	1.28	-0.10	-0.54	-0.54	-0.11	3.09e-02
3	16	7	-0.90	-4.35	-0.94	-4.31	0.34	0.25	4.52e-02	0.25	4.52e-02	-2.76e-03
3	16	8	0.29	-1.75	-1.32	-0.14	-0.83	-9.87e-02	-0.50	-0.50	-0.10	-2.77e-02
3	16	19	-0.77	-4.46	-0.77	-4.45	0.17	1.10e-02	-2.06e-02	9.80e-03	-1.94e-02	5.97e-03
3	16	20	-0.67	-4.28	-0.67	-4.28	6.74e-02	1.03e-02	5.50e-05	9.55e-03	7.94e-04	2.65e-03
3	16	27	-0.77	-4.37	-0.77	-4.37	0.12	-7.21e-03	-3.89e-02	-9.49e-03	-3.66e-02	8.20e-03
3	16	28	-0.50	-4.21	-0.50	-4.21	-8.08e-03	6.61e-04	-7.63e-03	-6.05e-03	-9.18e-04	-3.26e-03
3	16	35	-0.77	-4.36	-0.77	-4.36	-3.34e-03	-1.06e-02	-4.49e-02	-1.06e-02	-4.49e-02	4.28e-06
3	16	36	-0.45	-4.20	-0.45	-4.20	-3.34e-03	1.23e-03	-4.85e-03	-4.85e-03	1.23e-03	1.82e-05
3	16	43	-0.77	-4.37	-0.77	-4.37	-0.12	-7.29e-03	-3.92e-02	-9.56e-03	-3.69e-02	-8.20e-03
3	16	44	-0.50	-4.21	-0.50	-4.21	3.32e-03	6.19e-04	-7.64e-03	-6.09e-03	-9.32e-04	3.23e-03
3	16	51	-0.76	-4.45	-0.77	-4.44	-0.17	1.08e-02	-2.06e-02	9.61e-03	-1.94e-02	-5.97e-03
3	16	52	-0.67	-4.28	-0.67	-4.28	-6.70e-02	1.02e-02	4.51e-05	9.50e-03	7.84e-04	-2.64e-03
3	16	59	-0.79	-4.58	-0.79	-4.57	-3.93e-02	0.26	4.96e-02	0.26	5.01e-02	-1.04e-02
3	16	60	-0.90	-4.34	-0.94	-4.31	-0.33	0.25	4.52e-02	0.25	4.52e-02	2.80e-03
3	16	67	1.02	-1.67	-0.77	0.12	-1.27	-0.10	-0.54	-0.53	-0.11	-3.10e-02
3	16	68	0.30	-1.76	-1.32	-0.14	0.84	-9.87e-02	-0.50	-0.50	-0.10	2.78e-02
3	17	5	31.67	5.10	5.32	31.45	2.42	-0.38	-1.93	-1.92	-0.38	0.10
3	17	6	10.07	-5.23	5.15	-0.32	-7.15	4.12	0.80	4.10	0.82	-0.29
3	17	7	31.72	5.23	5.40	31.55	-2.13	-0.37	-1.92	-1.91	-0.38	-0.11
3	17	8	10.48	-5.54	5.32	-0.38	7.48	4.09	0.79	4.06	0.81	0.28
3	17	19	31.21	5.45	5.46	31.19	0.62	-2.17e-02	-9.78e-02	-9.78e-02	-2.17e-02	2.06e-03
3	17	20	31.27	5.43	5.44	31.27	-0.41	-8.52e-03	-8.97e-02	-8.93e-02	-8.98e-03	-6.13e-03
3	17	27	30.58	5.53	5.53	30.58	2.63e-02	2.00e-04	-2.27e-02	-1.80e-02	-4.48e-03	-9.23e-03
3	17	28	30.66	5.47	5.47	30.66	8.62e-02	1.05e-02	-1.35e-02	-1.11e-02	8.08e-03	7.21e-03
3	17	35	30.53	5.56	5.56	30.53	3.34e-03	-6.39e-03	-2.88e-02	-2.88e-02	-6.39e-03	-4.28e-06
3	17	36	30.61	5.48	5.48	30.61	3.34e-03	6.62e-03	-2.23e-02	-2.23e-02	6.62e-03	-1.82e-05
3	17	43	30.58	5.53	5.53	30.58	-2.16e-02	4.58e-04	-2.26e-02	-1.79e-02	-4.17e-03	9.23e-03
3	17	44	30.66	5.47	5.47	30.66	-8.14e-02	1.05e-02	-1.35e-02	-1.11e-02	8.09e-03	-7.18e-03
3	17	51	31.20	5.44	5.46	31.19	-0.62	-2.16e-02	-9.76e-02	-9.76e-02	-2.17e-02	-2.06e-03
3	17	52	31.27	5.43	5.44	31.26	0.41	-8.51e-03	-8.97e-02	-8.92e-02	-8.97e-03	6.13e-03
3	17	59	31.67	5.10	5.32	31.44	-2.43	-0.38	-1.93	-1.92	-0.38	-0.10
3	17	60	31.72	5.23	5.40	31.55	2.12	-0.37	-1.92	-1.91	-0.38	0.11

3	17	67	10.06	-5.23	5.15	-0.32	7.14	4.12	0.80	4.10	0.82	0.29
3	17	68	10.49	-5.55	5.32	-0.38	-7.49	4.09	0.79	4.06	0.81	-0.28
3	18	5	-0.30	-1.95	-0.33	-1.93	0.21	0.10	1.34e-02	9.60e-02	1.74e-02	1.82e-02
3	18	6	0.57	-0.80	-0.33	9.30e-02	0.65	-3.77e-02	-0.20	-0.20	-3.81e-02	7.95e-03
3	18	7	-0.46	-1.69	-0.48	-1.67	0.15	9.12e-02	1.26e-02	8.97e-02	1.41e-02	-1.09e-02
3	18	8	-8.96e-02	-0.91	-0.84	-0.16	-0.23	-3.30e-02	-0.17	-0.17	-3.32e-02	-5.13e-03
3	18	19	-0.29	-1.85	-0.32	-1.83	0.20	3.61e-03	-2.26e-02	2.02e-03	-2.10e-02	6.24e-03
3	18	20	-0.22	-1.67	-0.22	-1.67	2.93e-02	3.65e-03	-1.12e-03	2.47e-03	5.77e-05	2.06e-03
3	18	27	-0.31	-1.81	-0.32	-1.80	0.11	-8.60e-03	-3.87e-02	-1.06e-02	-3.67e-02	7.46e-03
3	18	28	-5.88e-02	-1.64	-5.88e-02	-1.64	-3.09e-03	7.17e-04	-7.62e-03	-6.67e-03	-2.38e-04	-2.65e-03
3	18	35	-0.31	-1.79	-0.31	-1.79	-3.46e-03	-1.26e-02	-4.52e-02	-1.26e-02	-4.52e-02	-1.15e-05
3	18	36	-6.33e-03	-1.64	-6.33e-03	-1.64	-3.46e-03	1.77e-03	-6.45e-03	-6.45e-03	1.77e-03	-2.04e-05
3	18	43	-0.31	-1.80	-0.31	-1.80	-0.11	-8.63e-03	-3.90e-02	-1.06e-02	-3.70e-02	-7.48e-03
3	18	44	-5.83e-02	-1.64	-5.83e-02	-1.64	-1.80e-03	7.12e-04	-7.66e-03	-6.70e-03	-2.49e-04	2.67e-03
3	18	51	-0.29	-1.85	-0.31	-1.82	-0.20	3.50e-03	-2.26e-02	1.90e-03	-2.10e-02	-6.27e-03
3	18	52	-0.22	-1.66	-0.22	-1.66	-2.90e-02	3.63e-03	-1.15e-03	2.43e-03	4.99e-05	-2.08e-03
3	18	59	-0.30	-1.95	-0.33	-1.93	-0.21	1.00e-01	1.34e-02	9.60e-02	1.74e-02	-1.81e-02
3	18	60	-0.46	-1.69	-0.48	-1.67	-0.15	9.12e-02	1.26e-02	8.97e-02	1.41e-02	1.09e-02
3	18	67	0.56	-0.79	-0.33	9.32e-02	-0.64	-3.76e-02	-0.20	-0.20	-3.80e-02	-7.92e-03
3	18	68	-8.53e-02	-0.91	-0.84	-0.16	0.23	-3.30e-02	-0.17	-0.17	-3.32e-02	5.11e-03
3	19	5	29.01	4.65	4.86	28.80	2.26	-0.34	-1.77	-1.76	-0.35	9.35e-02
3	19	6	9.18	-4.76	4.71	-0.29	-6.51	3.78	0.73	3.76	0.75	-0.26
3	19	7	29.06	4.78	4.94	28.91	-1.94	-0.34	-1.76	-1.75	-0.35	-9.75e-02
3	19	8	9.60	-5.12	4.84	-0.36	6.89	3.75	0.72	3.73	0.74	0.26
3	19	19	28.58	4.99	5.00	28.57	0.59	-2.01e-02	-8.99e-02	-8.98e-02	-2.01e-02	1.77e-03
3	19	20	28.66	4.98	4.99	28.65	-0.37	-7.82e-03	-8.25e-02	-8.21e-02	-8.24e-03	-5.55e-03
3	19	27	28.01	5.08	5.08	28.01	3.27e-02	1.89e-04	-2.11e-02	-1.69e-02	-4.05e-03	-8.51e-03
3	19	28	28.10	5.03	5.03	28.10	7.64e-02	9.59e-03	-1.26e-02	-1.04e-02	7.41e-03	6.60e-03
3	19	35	27.96	5.10	5.10	27.96	-3.36e-03	-6.09e-03	-2.68e-02	-2.68e-02	-6.09e-03	4.87e-06
3	19	36	28.05	5.04	5.04	28.05	-3.36e-03	6.08e-03	-2.07e-02	-2.07e-02	6.08e-03	1.89e-05
3	19	43	28.01	5.08	5.08	28.01	-3.75e-02	-7.00e-05	-2.12e-02	-1.70e-02	-4.35e-03	8.50e-03
3	19	44	28.10	5.03	5.03	28.10	-8.12e-02	9.59e-03	-1.27e-02	-1.05e-02	7.39e-03	-6.63e-03
3	19	51	28.59	4.99	5.00	28.57	-0.59	-2.01e-02	-9.01e-02	-9.00e-02	-2.02e-02	-1.77e-03
3	19	52	28.66	4.98	4.99	28.65	0.37	-7.83e-03	-8.26e-02	-8.22e-02	-8.25e-03	5.55e-03
3	19	59	29.01	4.65	4.86	28.80	-2.25	-0.34	-1.77	-1.76	-0.35	-9.35e-02
3	19	60	29.07	4.78	4.94	28.91	1.94	-0.34	-1.76	-1.75	-0.35	9.76e-02
3	19	67	9.19	-4.77	4.71	-0.29	6.52	3.78	0.73	3.76	0.75	0.26
3	19	68	9.59	-5.12	4.84	-0.36	-6.88	3.75	0.72	3.73	0.74	-0.26
3	20	5	-0.79	-4.58	-0.79	-4.57	3.94e-02	0.26	4.96e-02	0.26	5.02e-02	1.04e-02
3	20	6	1.02	-1.67	-0.77	0.12	1.27	-0.10	-0.54	-0.53	-0.11	3.09e-02
3	20	7	-0.90	-4.34	-0.94	-4.31	0.33	0.25	4.52e-02	0.25	4.52e-02	-2.79e-03
3	20	8	0.30	-1.76	-1.32	-0.14	-0.84	-9.87e-02	-0.50	-0.50	-0.10	-2.77e-02
3	20	19	-0.76	-4.45	-0.77	-4.44	0.17	1.08e-02	-2.06e-02	9.64e-03	-1.94e-02	5.98e-03
3	20	20	-0.67	-4.28	-0.67	-4.28	6.70e-02	1.03e-02	3.85e-05	9.51e-03	7.85e-04	2.66e-03
3	20	27	-0.77	-4.37	-0.77	-4.37	0.12	-7.26e-03	-3.92e-02	-9.54e-03	-3.69e-02	8.21e-03
3	20	28	-0.50	-4.21	-0.50	-4.21	-3.25e-03	6.37e-04	-7.66e-03	-6.09e-03	-9.31e-04	-3.25e-03
3	20	35	-0.77	-4.36	-0.77	-4.36	3.48e-03	-1.06e-02	-4.49e-02	-1.06e-02	-4.49e-02	1.09e-05
3	20	36	-0.45	-4.20	-0.45	-4.20	3.48e-03	1.23e-03	-4.85e-03	-4.85e-03	1.23e-03	1.97e-05
3	20	43	-0.77	-4.37	-0.77	-4.37	-0.12	-7.24e-03	-3.89e-02	-9.52e-03	-3.66e-02	-8.19e-03
3	20	44	-0.50	-4.21	-0.50	-4.21	8.17e-03	6.41e-04	-7.62e-03	-6.06e-03	-9.19e-04	3.23e-03
3	20	51	-0.77	-4.46	-0.77	-4.45	-0.17	1.09e-02	-2.06e-02	9.77e-03	-1.94e-02	-5.96e-03
3	20	52	-0.67	-4.28	-0.67	-4.28	-6.73e-02	1.03e-02	6.23e-05	9.55e-03	7.94e-04	-2.63e-03
3	20	59	-0.79	-4.58	-0.79	-4.58	-4.50e-02	0.26	4.96e-02	0.26	5.02e-02	-1.05e-02
3	20	60	-0.90	-4.35	-0.94	-4.31	-0.34	0.25	4.52e-02	0.25	4.52e-02	2.76e-03
3	20	67	1.03	-1.68	-0.77	0.12	-1.28	-0.10	-0.54	-0.54	-0.11	-3.10e-02
3	20	68	0.29	-1.75	-1.32	-0.14	0.83	-9.87e-02	-0.50	-0.50	-0.10	2.77e-02
3	21	5	31.67	5.09	5.32	31.44	2.43	-0.38	-1.93	-1.92	-0.38	0.10
3	21	6	10.06	-5.23	5.15	-0.32	-7.14	4.12	0.80	4.10	0.82	-0.29
3	21	7	31.72	5.23	5.40	31.55	-2.12	-0.37	-1.92	-1.91	-0.38	-0.11
3	21	8	10.49	-5.55	5.32	-0.38	7.49	4.09	0.79	4.06	0.81	0.28
3	21	19	31.20	5.44	5.46	31.19	0.62	-2.16e-02	-9.77e-02	-9.76e-02	-2.17e-02	2.05e-03
3	21	20	31.27	5.43	5.44	31.26	-0.41	-8.51e-03	-8.97e-02	-8.92e-02	-8.97e-03	-6.14e-03
3	21	27	30.58	5.53	5.53	30.58	2.15e-02	4.55e-04	-2.26e-02	-1.80e-02	-4.18e-03	-9.24e-03
3	21	28	30.66	5.47	5.47	30.66	8.14e-02	1.05e-02	-1.35e-02	-1.11e-02	8.09e-03	7.20e-03
3	21	35	30.53	5.55	5.55	30.53	-3.48e-03	-6.39e-03	-2.88e-02	-2.88e-02	-6.39e-03	-1.09e-05
3	21	36	30.60	5.48	5.48	30.60	-3.48e-03	6.62e-03	-2.23e-02	-2.23e-02	6.62e-03	-1.97e-05
3	21	43	30.58	5.53	5.53	30.58	-2.64e-02	2.03e-04	-2.27e-02	-1.80e-02	-4.47e-03	9.22e-03
3	21	44	30.66	5.47	5.47	30.66	-8.63e-02	1.05e-02	-1.35e-02	-1.11e-02	8.08e-03	-7.19e-03
3	21	51	31.21	5.45	5.46	31.19	-0.62	-2.16e-02	-9.78e-02	-9.77e-02	-2.17e-02	-2.07e-03
3	21	52	31.27	5.43	5.44	31.27	0.41	-8.52e-03	-8.97e-02	-8.93e-02	-8.98e-03	6.12e-03
3	21	59	31.67	5.10	5.32	31.45	-2.42	-0.38	-1.93	-1.92	-0.38	-0.10
3	21	60	31.72	5.23	5.40	31.55	2.13	-0.37	-1.92	-1.91	-0.38	0.11
3	21	67	10.07	-5.23	5.15	-0.32	7.15	4.12	0.80	4.10	0.82	0.29
3	21	68	10.48	-5.54	5.32	-0.38	-7.48	4.09	0.79	4.06	0.81	-0.28
3	22	5	-0.30	-1.95	-0.33	-1.93	0.21	9.99e-02	1.34e-02	9.60e-02	1.74e-02	1.81e-02
3	22	6	0.56	-0.79	-0.33	9.31e-02	0.64	-3.76e-02	-0.20	-0.20	-3.80e-02	7.94e-03
3	22	7	-0.46	-1.69	-0.48	-1.67	0.15	9.12e-02	1.26e-02	8.97e-02	1.41e-02	-1.09e-02

3	22	8	-8.53e-02	-0.91	-0.84	-0.16	-0.23	-3.30e-02	-0.17	-0.17	-3.32e-02	-5.14e-03
3	22	19	-0.29	-1.85	-0.32	-1.82	0.20	3.46e-03	-2.26e-02	1.86e-03	-2.10e-02	6.25e-03
3	22	20	-0.22	-1.66	-0.22	-1.66	2.89e-02	3.62e-03	-1.15e-03	2.42e-03	4.85e-05	2.06e-03
3	22	27	-0.31	-1.80	-0.31	-1.80	0.11	-8.65e-03	-3.90e-02	-1.06e-02	-3.70e-02	7.47e-03
3	22	28	-5.84e-02	-1.64	-5.84e-02	-1.64	1.74e-03	6.96e-04	-7.65e-03	-6.71e-03	-2.50e-04	-2.65e-03
3	22	35	-0.31	-1.79	-0.31	-1.79	3.36e-03	-1.26e-02	-4.52e-02	-1.26e-02	-4.52e-02	-4.87e-06
3	22	36	-6.30e-03	-1.64	-6.30e-03	-1.64	3.36e-03	1.77e-03	-6.45e-03	-6.45e-03	1.77e-03	-1.89e-05
3	22	43	-0.31	-1.81	-0.32	-1.80	-0.11	-8.57e-03	-3.87e-02	-1.06e-02	-3.67e-02	-7.47e-03
3	22	44	-5.87e-02	-1.64	-5.87e-02	-1.64	3.06e-03	7.32e-04	-7.64e-03	-6.67e-03	-2.36e-04	2.68e-03
3	22	51	-0.29	-1.85	-0.32	-1.83	-0.20	3.65e-03	-2.26e-02	2.06e-03	-2.10e-02	-6.25e-03
3	22	52	-0.22	-1.67	-0.22	-1.67	-2.93e-02	3.66e-03	-1.13e-03	2.48e-03	5.97e-05	-2.07e-03
3	22	59	-0.30	-1.95	-0.33	-1.93	-0.21	0.10	1.34e-02	9.60e-02	1.74e-02	-1.82e-02
3	22	60	-0.46	-1.69	-0.48	-1.67	-0.15	9.12e-02	1.26e-02	8.97e-02	1.41e-02	1.09e-02
3	22	67	0.57	-0.80	-0.33	9.31e-02	-0.65	-3.77e-02	-0.20	-0.20	-3.81e-02	-7.93e-03
3	22	68	-8.96e-02	-0.91	-0.84	-0.16	0.23	-3.30e-02	-0.17	-0.17	-3.32e-02	5.10e-03
3	23	5	110.51	18.27	18.88	109.90	7.49	-1.33	-6.69	-6.67	-1.35	0.33
3	23	6	36.06	-18.81	18.39	-1.15	-25.64	14.25	2.75	14.16	2.83	-0.97
3	23	7	110.34	18.44	19.06	109.71	-7.55	-1.28	-6.65	-6.63	-1.30	-0.35
3	23	8	36.83	-18.22	19.59	-0.99	25.53	14.11	2.73	14.03	2.81	0.95
3	23	19	108.87	18.98	19.00	108.84	1.47	-6.73e-02	-0.33	-0.33	-6.78e-02	1.05e-02
3	23	20	108.74	18.75	18.77	108.71	-1.45	-2.87e-02	-0.30	-0.30	-3.07e-02	-2.34e-02
3	23	27	106.72	19.04	19.04	106.72	-0.25	7.73e-03	-6.58e-02	-4.93e-02	-8.80e-03	-3.07e-02
3	23	28	106.61	18.63	18.63	106.61	0.29	3.67e-02	-3.82e-02	-2.92e-02	2.77e-02	2.44e-02
3	23	35	106.52	19.05	19.05	106.52	1.13e-02	-1.55e-02	-8.70e-02	-1.55e-02	-1.55e-02	1.01e-05
3	23	36	106.42	18.58	18.58	106.42	1.13e-02	2.21e-02	-6.89e-02	-6.89e-02	2.21e-02	-2.83e-06
3	23	43	106.71	19.03	19.03	106.71	0.27	8.55e-03	-6.55e-02	-4.92e-02	-7.81e-03	3.07e-02
3	23	44	106.61	18.63	18.63	106.60	-0.27	3.67e-02	-3.81e-02	-2.90e-02	2.77e-02	-2.44e-02
3	23	51	108.85	18.97	18.99	108.83	-1.47	-6.72e-02	-0.33	-0.33	-6.77e-02	-1.05e-02
3	23	52	108.73	18.75	18.77	108.70	1.45	-2.86e-02	-0.30	-0.30	-3.07e-02	2.35e-02
3	23	59	110.52	18.26	18.87	109.90	-7.51	-1.33	-6.69	-6.67	-1.35	-0.33
3	23	60	110.33	18.44	19.06	109.71	7.53	-1.28	-6.65	-6.63	-1.30	0.35
3	23	67	36.03	-18.79	18.39	-1.15	25.61	14.25	2.75	14.16	2.83	0.97
3	23	68	36.85	-18.25	19.59	-0.99	-25.55	14.11	2.73	14.03	2.81	-0.95
3	24	5	5.63e-02	-1.35	4.38e-02	-1.34	0.13	7.87e-02	-4.87e-02	5.10e-02	-2.10e-02	5.25e-02
3	24	6	0.52	-0.18	0.12	0.21	0.35	-3.71e-02	-0.15	-0.15	-3.80e-02	1.02e-02
3	24	7	-0.52	-1.04	-0.53	-1.03	4.92e-02	6.59e-02	-4.37e-03	4.97e-02	1.19e-02	-2.97e-02
3	24	8	-0.19	-0.99	-0.95	-0.23	-0.18	-7.90e-03	-6.59e-02	-6.58e-02	-8.03e-03	-2.79e-03
3	24	19	-0.26	-1.23	-0.26	-1.22	5.94e-02	1.38e-02	-7.29e-02	6.18e-03	-6.53e-02	2.45e-02
3	24	20	-8.54e-02	-1.07	-8.55e-02	-1.07	1.01e-02	8.93e-03	-2.15e-03	7.36e-03	-5.79e-04	3.86e-03
3	24	27	-0.46	-1.23	-0.46	-1.23	2.18e-02	-1.82e-02	-0.12	-2.45e-02	-0.12	2.49e-02
3	24	28	0.19	-1.07	0.19	-1.07	-1.07e-02	3.90e-03	-1.83e-02	-1.44e-02	-4.36e-05	-8.49e-03
3	24	35	-0.51	-1.21	-0.51	-1.21	-1.13e-02	-3.30e-02	-0.14	-3.30e-02	-0.14	-1.41e-05
3	24	36	0.28	-1.05	0.28	-1.05	-1.13e-02	5.93e-03	-1.60e-02	-1.60e-02	5.93e-03	-1.01e-05
3	24	43	-0.45	-1.22	-0.45	-1.22	-3.79e-02	-1.84e-02	-0.12	-2.47e-02	-0.12	-2.50e-02
3	24	44	0.19	-1.07	0.19	-1.07	-5.37e-03	3.83e-03	-1.84e-02	-1.45e-02	-8.59e-05	8.47e-03
3	24	51	-0.25	-1.21	-0.25	-1.21	-5.83e-02	1.33e-02	-7.30e-02	5.64e-03	-6.54e-02	-2.45e-02
3	24	52	-8.31e-02	-1.06	-8.32e-02	-1.06	-9.02e-03	8.81e-03	-2.22e-03	7.20e-03	-6.08e-04	-3.89e-03
3	24	59	5.76e-02	-1.35	4.84e-02	-1.34	-0.11	7.84e-02	-4.86e-02	5.08e-02	-2.10e-02	-5.24e-02
3	24	60	-0.53	-1.03	-0.53	-1.03	-3.04e-02	6.60e-02	-4.51e-03	4.96e-02	1.19e-02	2.98e-02
3	24	67	0.50	-0.16	0.13	0.21	-0.32	-3.69e-02	-0.15	-0.15	-3.78e-02	-1.02e-02
3	24	68	-0.18	-1.00	-0.95	-0.23	0.20	-7.82e-03	-6.56e-02	-6.54e-02	-7.96e-03	2.81e-03
3	25	5	111.31	18.40	19.01	110.70	7.54	-1.34	-6.74	-6.72	-1.36	0.33
3	25	6	36.32	-18.95	18.53	-1.16	-25.83	14.35	2.77	14.27	2.85	-0.97
3	25	7	111.13	18.57	19.20	110.50	-7.60	-1.29	-6.70	-6.68	-1.31	-0.35
3	25	8	37.09	-18.35	19.74	-0.99	25.71	14.21	2.75	14.13	2.83	0.96
3	25	19	109.65	19.11	19.14	109.63	1.47	-6.78e-02	-0.33	-0.33	-6.82e-02	1.06e-02
3	25	20	109.52	18.89	18.91	109.50	-1.46	-2.89e-02	-0.30	-0.30	-3.09e-02	-2.36e-02
3	25	27	107.49	19.18	19.18	107.49	-0.25	7.80e-03	-6.63e-02	-4.96e-02	-8.84e-03	-3.09e-02
3	25	28	107.38	18.76	18.76	107.38	0.29	3.70e-02	-3.85e-02	-2.94e-02	2.79e-02	2.46e-02
3	25	35	107.29	19.18	19.18	107.29	1.13e-02	-1.55e-02	-8.76e-02	-8.76e-02	-1.55e-02	1.41e-05
3	25	36	107.19	18.71	18.71	107.19	1.13e-02	2.23e-02	-6.94e-02	-6.94e-02	2.23e-02	1.01e-05
3	25	43	107.48	19.17	19.17	107.48	0.27	8.64e-03	-6.60e-02	-4.95e-02	-7.84e-03	3.10e-02
3	25	44	107.37	18.76	18.76	107.37	-0.27	3.70e-02	-3.83e-02	-2.92e-02	2.79e-02	-2.45e-02
3	25	51	109.64	19.11	19.13	109.62	-1.47	-6.77e-02	-0.33	-0.33	-6.81e-02	-1.06e-02
3	25	52	109.51	18.88	18.91	109.49	1.46	-2.89e-02	-0.30	-0.30	-3.09e-02	2.36e-02
3	25	59	111.31	18.39	19.01	110.69	-7.56	-1.34	-6.74	-6.72	-1.36	-0.33
3	25	60	111.12	18.57	19.20	110.50	7.58	-1.29	-6.70	-6.68	-1.31	0.35
3	25	67	36.30	-18.93	18.52	-1.16	25.80	14.35	2.77	14.27	2.85	0.97
3	25	68	37.12	-18.37	19.74	-0.99	-25.74	14.21	2.75	14.13	2.83	-0.96
3	26	5	0.22	-0.59	0.18	-0.55	0.18	4.34e-02	-7.14e-02	2.87e-03	-3.08e-02	5.49e-02
3	26	6	0.40	6.77e-02	0.26	0.21	0.16	-1.73e-02	-4.87e-02	-4.83e-02	-1.77e-02	3.30e-03
3	26	7	-0.24	-0.39	-0.39	-0.24	-6.67e-03	3.43e-02	-2.99e-02	1.91e-03	2.58e-03	-3.21e-02
3	26	8	-0.24	-0.81	-0.81	-0.24	6.12e-03	3.58e-02	1.15e-02	3.51e-02	1.22e-02	4.01e-03
3	26	19	-0.11	-0.45	-0.12	-0.43	6.71e-02	1.16e-02	-7.36e-02	3.85e-03	-6.58e-02	2.46e-02
3	26	20	4.95e-02	-0.29	4.95e-02	-0.29	-1.26e-03	6.99e-03	-2.55e-03	5.24e-03	-7.99e-04	3.69e-03
3	26	27	-0.32	-0.46	-0.32	-0.45	1.85e-02	-1.86e-02	-0.12	-2.48e-02	-0.12	2.47e-02
3	26	28	0.32	-0.30	0.32	-0.30	-9.21e-03	3.91e-03	-1.83e-02	-1.46e-02	1.61e-04	-8.32e-03

3	26	35	-0.37	-0.44	-0.37	-0.44	-1.13e-02	-3.36e-02	-0.14	-3.36e-02	-0.14	-1.01e-05
3	26	36	0.41	-0.29	0.41	-0.29	-1.13e-02	6.09e-03	-1.65e-02	-1.65e-02	6.09e-03	2.83e-06
3	26	43	-0.31	-0.46	-0.31	-0.45	-3.46e-02	-1.88e-02	-0.12	-2.50e-02	-0.12	-2.48e-02
3	26	44	0.32	-0.30	0.32	-0.30	-6.87e-03	3.83e-03	-1.84e-02	-1.47e-02	1.19e-04	8.29e-03
3	26	51	-0.10	-0.44	-0.12	-0.42	-6.60e-02	1.12e-02	-7.37e-02	3.33e-03	-6.58e-02	-2.46e-02
3	26	52	5.19e-02	-0.27	5.19e-02	-0.27	2.42e-03	6.87e-03	-2.62e-03	5.08e-03	-8.29e-04	-3.71e-03
3	26	59	0.22	-0.58	0.19	-0.54	-0.16	4.32e-02	-7.13e-02	2.70e-03	-3.08e-02	-5.47e-02
3	26	60	-0.23	-0.39	-0.39	-0.24	2.55e-02	3.44e-02	-3.00e-02	1.82e-03	2.57e-03	3.22e-02
3	26	67	0.37	9.45e-02	0.26	0.21	-0.14	-1.71e-02	-4.78e-02	-4.75e-02	-1.75e-02	-3.27e-03
3	26	68	-0.24	-0.81	-0.81	-0.24	1.98e-02	3.61e-02	1.16e-02	3.55e-02	1.23e-02	-3.96e-03
3	27	5	110.51	18.27	18.88	109.90	7.49	-1.33	-6.69	-6.67	-1.35	0.33
3	27	6	36.06	-18.81	18.39	-1.15	-25.64	14.25	2.75	14.16	2.83	-0.97
3	27	7	110.34	18.44	19.06	109.71	-7.55	-1.28	-6.65	-6.63	-1.30	-0.35
3	27	8	36.83	-18.22	19.59	-0.99	25.53	14.11	2.73	14.03	2.81	0.95
3	27	19	108.87	18.98	19.00	108.84	1.47	-6.73e-02	-0.33	-0.33	-6.78e-02	1.06e-02
3	27	20	108.74	18.75	18.77	108.71	-1.45	-2.87e-02	-0.30	-0.30	-3.07e-02	-2.34e-02
3	27	27	106.72	19.04	19.04	106.72	-0.25	7.72e-03	-6.58e-02	-4.93e-02	-8.80e-03	-3.07e-02
3	27	28	106.61	18.63	18.63	106.61	0.29	3.67e-02	-3.82e-02	-2.92e-02	2.77e-02	2.44e-02
3	27	35	106.52	19.05	19.05	106.52	1.14e-02	-1.55e-02	-8.70e-02	-8.70e-02	-1.55e-02	1.45e-05
3	27	36	106.42	18.58	18.58	106.42	1.14e-02	2.21e-02	-6.89e-02	-6.89e-02	2.21e-02	9.43e-06
3	27	43	106.71	19.03	19.03	106.71	0.27	8.56e-03	-6.55e-02	-4.92e-02	-7.81e-03	3.07e-02
3	27	44	106.61	18.63	18.63	106.60	-0.27	3.67e-02	-3.81e-02	-2.91e-02	2.77e-02	-2.44e-02
3	27	51	108.85	18.97	18.99	108.83	-1.47	-6.72e-02	-0.33	-0.33	-6.77e-02	-1.05e-02
3	27	52	108.73	18.75	18.77	108.70	1.45	-2.86e-02	-0.30	-0.30	-3.07e-02	2.35e-02
3	27	59	110.52	18.26	18.87	109.90	-7.51	-1.33	-6.69	-6.67	-1.35	-0.33
3	27	60	110.33	18.44	19.06	109.71	7.53	-1.28	-6.65	-6.63	-1.30	0.35
3	27	67	36.03	-18.79	18.39	-1.15	25.61	14.25	2.75	14.16	2.83	0.97
3	27	68	36.85	-18.25	19.59	-0.99	-25.55	14.11	2.73	14.03	2.81	-0.95
3	28	5	5.63e-02	-1.35	4.38e-02	-1.34	0.13	7.87e-02	-4.87e-02	5.10e-02	-2.10e-02	5.25e-02
3	28	6	0.52	-0.18	0.12	0.21	0.35	-3.71e-02	-0.15	-0.15	-3.80e-02	1.02e-02
3	28	7	-0.52	-1.04	-0.53	-1.03	4.93e-02	6.59e-02	-4.38e-03	4.97e-02	1.19e-02	-2.97e-02
3	28	8	-0.19	-0.99	-0.95	-0.23	-0.18	-7.90e-03	-6.59e-02	-6.58e-02	-8.03e-03	-2.78e-03
3	28	19	-0.26	-1.23	-0.26	-1.22	5.94e-02	1.38e-02	-7.29e-02	6.18e-03	-6.53e-02	2.45e-02
3	28	20	-8.54e-02	-1.07	-8.55e-02	-1.07	1.02e-02	8.93e-03	-2.15e-03	7.36e-03	-5.78e-04	3.87e-03
3	28	27	-0.46	-1.23	-0.46	-1.23	2.18e-02	-1.82e-02	-0.12	-2.45e-02	-0.12	2.49e-02
3	28	28	0.19	-1.07	0.19	-1.07	-1.07e-02	3.90e-03	-1.83e-02	-1.44e-02	-4.35e-05	-8.50e-03
3	28	35	-0.51	-1.21	-0.51	-1.21	-1.13e-02	-3.30e-02	-0.14	-3.30e-02	-0.14	-9.71e-06
3	28	36	0.28	-1.05	0.28	-1.05	-1.13e-02	5.93e-03	-1.60e-02	-1.60e-02	5.93e-03	2.16e-06
3	28	43	-0.45	-1.22	-0.45	-1.22	-3.79e-02	-1.84e-02	-0.12	-2.47e-02	-0.12	-2.50e-02
3	28	44	0.19	-1.07	0.19	-1.07	-5.35e-03	3.82e-03	-1.84e-02	-1.45e-02	-8.59e-05	8.46e-03
3	28	51	-0.25	-1.21	-0.25	-1.21	-5.82e-02	1.33e-02	-7.30e-02	5.64e-03	-6.54e-02	-2.45e-02
3	28	52	-8.31e-02	-1.06	-8.32e-02	-1.06	-9.00e-03	8.81e-03	-2.21e-03	7.20e-03	-6.08e-04	-3.89e-03
3	28	59	5.76e-02	-1.35	4.84e-02	-1.34	-0.11	7.84e-02	-4.86e-02	5.08e-02	-2.10e-02	-5.24e-02
3	28	60	-0.53	-1.03	-0.53	-1.03	-3.04e-02	6.60e-02	-4.50e-03	4.96e-02	1.19e-02	2.98e-02
3	28	67	0.50	-0.16	0.13	0.21	-0.32	-3.69e-02	-0.15	-0.15	-3.78e-02	-1.02e-02
3	28	68	-0.18	-1.00	-0.95	-0.23	0.20	-7.82e-03	-6.56e-02	-6.54e-02	-7.96e-03	2.82e-03
3	29	5	111.31	18.40	19.01	110.70	7.54	-1.34	-6.74	-6.72	-1.36	0.33
3	29	6	36.32	-18.95	18.53	-1.16	-25.83	14.35	2.77	14.27	2.85	-0.97
3	29	7	111.13	18.57	19.20	110.50	-7.60	-1.29	-6.70	-6.68	-1.31	-0.35
3	29	8	37.09	-18.35	19.74	-0.99	25.71	14.21	2.75	14.13	2.83	0.96
3	29	19	109.65	19.11	19.14	109.63	1.47	-6.78e-02	-0.33	-0.33	-6.82e-02	1.06e-02
3	29	20	109.52	18.89	18.91	109.50	-1.46	-2.89e-02	-0.30	-0.30	-3.09e-02	-2.36e-02
3	29	27	107.49	19.18	19.18	107.49	-0.25	7.80e-03	-6.63e-02	-4.96e-02	-8.84e-03	-3.09e-02
3	29	28	107.38	18.76	18.76	107.38	0.29	3.70e-02	-3.85e-02	-2.94e-02	2.79e-02	2.46e-02
3	29	35	107.29	19.18	19.18	107.29	1.13e-02	-1.55e-02	-8.76e-02	-8.76e-02	-1.55e-02	9.71e-06
3	29	36	107.19	18.71	18.71	107.19	1.13e-02	2.23e-02	-6.94e-02	-6.94e-02	2.23e-02	-2.16e-06
3	29	43	107.48	19.17	19.17	107.48	0.27	8.64e-03	-6.60e-02	-4.95e-02	-7.84e-03	3.10e-02
3	29	44	107.37	18.76	18.76	107.37	-0.27	3.70e-02	-3.83e-02	-2.92e-02	2.79e-02	-2.45e-02
3	29	51	109.64	19.11	19.13	109.62	-1.47	-6.77e-02	-0.33	-0.33	-6.81e-02	-1.06e-02
3	29	52	109.51	18.88	18.91	109.49	1.46	-2.89e-02	-0.30	-0.30	-3.09e-02	2.36e-02
3	29	59	111.31	18.39	19.01	110.69	-7.56	-1.34	-6.74	-6.72	-1.36	-0.33
3	29	60	111.12	18.57	19.20	110.50	7.58	-1.29	-6.70	-6.68	-1.31	0.35
3	29	67	36.30	-18.93	18.52	-1.16	25.80	14.35	2.77	14.27	2.85	0.97
3	29	68	37.12	-18.37	19.74	-0.99	-25.74	14.21	2.75	14.13	2.83	-0.96
3	30	5	0.22	-0.59	0.18	-0.55	0.18	4.34e-02	-7.14e-02	2.87e-03	-3.08e-02	5.49e-02
3	30	6	0.40	6.77e-02	0.26	0.21	0.16	-1.73e-02	-4.87e-02	-4.83e-02	-1.77e-02	3.30e-03
3	30	7	-0.24	-0.39	-0.39	-0.24	-6.69e-03	3.43e-03	-2.99e-02	1.91e-03	2.58e-03	-3.21e-02
3	30	8	-0.24	-0.81	-0.81	-0.24	6.12e-03	3.58e-02	1.15e-02	3.51e-02	1.22e-02	4.00e-03
3	30	19	-0.11	-0.45	-0.12	-0.43	6.71e-02	1.16e-02	-7.36e-02	3.85e-03	-6.58e-02	2.46e-02
3	30	20	4.95e-02	-0.29	4.95e-02	-0.29	-1.28e-03	6.98e-03	-2.55e-03	5.24e-03	-7.99e-04	3.69e-03
3	30	27	-0.32	-0.46	-0.32	-0.45	1.85e-02	-1.86e-02	-0.12	-2.48e-02	-0.12	2.47e-02
3	30	28	0.32	-0.30	0.32	-0.30	-9.23e-03	3.90e-03	-1.83e-02	-1.46e-02	1.61e-04	-8.32e-03
3	30	35	-0.37	-0.44	-0.37	-0.44	-1.14e-02	-3.36e-02	-0.14	-3.36e-02	-0.14	-1.45e-05
3	30	36	0.41	-0.29	0.41	-0.29	-1.14e-02	6.09e-03	-1.65e-02	-1.65e-02	6.09e-03	-9.43e-06
3	30	43	-0.31	-0.46	-0.31	-0.45	-3.46e-02	-1.88e-02	-0.12	-2.50e-02	-0.12	-2.48e-02
3	30	44	0.32	-0.30	0.32	-0.30	-6.89e-03	3.83e-03	-1.84e-02	-1.47e-02	1.19e-04	8.30e-03
3	30	51	-0.10	-0.44	-0.12	-0.42	-6.60e-02	1.12e-02	-7.37e-02	3.33e-03	-6.58e-02	-2.46e-02

3	30	52	5.19e-02	-0.27	5.19e-02	-0.27	2.40e-03	6.88e-03	-2.62e-03	5.08e-03	-8.29e-04	-3.72e-03
3	30	59	0.22	-0.58	0.19	-0.54	-0.16	4.32e-02	-7.13e-02	2.70e-03	-3.08e-02	-5.47e-02
3	30	60	-0.23	-0.39	-0.39	-0.24	2.55e-02	3.44e-02	-3.00e-02	1.82e-03	2.57e-03	3.22e-02
3	30	67	0.37	9.45e-02	0.26	0.21	-0.14	-1.71e-02	-4.78e-02	-4.75e-02	-1.75e-02	-3.27e-03
3	30	68	-0.24	-0.81	-0.81	-0.24	1.98e-02	3.61e-02	1.16e-02	3.55e-02	1.23e-02	-3.97e-03
3	31	5	110.52	18.26	18.87	109.90	7.51	-1.33	-6.69	-6.67	-1.35	0.33
3	31	6	36.03	-18.79	18.39	-1.15	-25.61	14.25	2.75	14.16	2.83	-0.97
3	31	7	110.33	18.44	19.06	109.71	-7.53	-1.28	-6.65	-6.63	-1.30	-0.35
3	31	8	36.85	-18.25	19.59	-0.99	25.55	14.11	2.73	14.03	2.81	0.95
3	31	19	108.85	18.97	18.99	108.83	1.47	-6.72e-02	-0.33	-0.33	-6.77e-02	1.05e-02
3	31	20	108.73	18.75	18.77	108.70	-1.45	-2.86e-02	-0.30	-0.30	-3.07e-02	-2.35e-02
3	31	27	106.71	19.03	19.03	106.71	-0.27	8.56e-03	-6.55e-02	-4.92e-02	-7.81e-03	-3.07e-02
3	31	28	106.61	18.63	18.63	106.60	0.27	3.67e-02	-3.81e-02	-2.91e-02	2.77e-02	2.44e-02
3	31	35	106.52	19.05	19.05	106.52	-1.14e-02	-1.55e-02	-8.70e-02	-8.70e-02	-1.55e-02	-1.21e-05
3	31	36	106.42	18.58	18.58	106.42	-1.14e-02	2.21e-02	-6.89e-02	-6.89e-02	2.21e-02	-7.69e-06
3	31	43	106.72	19.04	19.04	106.72	0.25	7.72e-03	-6.58e-02	-4.93e-02	-8.81e-03	3.07e-02
3	31	44	106.61	18.63	18.63	106.61	-0.29	3.67e-02	-3.82e-02	-2.92e-02	2.77e-02	-2.44e-02
3	31	51	108.87	18.98	19.00	108.84	-1.47	-6.73e-02	-0.33	-0.33	-6.78e-02	-1.06e-02
3	31	52	108.74	18.75	18.77	108.71	1.45	-2.87e-02	-0.30	-0.30	-3.07e-02	2.34e-02
3	31	59	110.51	18.27	18.88	109.90	-7.49	-1.33	-6.69	-6.67	-1.35	-0.33
3	31	60	110.34	18.44	19.06	109.71	7.55	-1.28	-6.65	-6.63	-1.30	0.35
3	31	67	36.06	-18.81	18.39	-1.15	25.64	14.25	2.75	14.16	2.83	0.97
3	31	68	36.83	-18.22	19.59	-0.99	-25.53	14.11	2.73	14.03	2.81	-0.95
3	32	5	5.76e-02	-1.35	4.85e-02	-1.34	0.11	7.84e-02	-4.86e-02	5.08e-02	-2.10e-02	5.24e-02
3	32	6	0.50	-0.16	0.13	0.21	0.32	-3.69e-02	-0.15	-0.15	-3.78e-02	1.02e-02
3	32	7	-0.53	-1.03	-0.53	-1.03	3.03e-02	6.60e-02	-4.50e-03	4.96e-02	1.19e-02	-2.98e-02
3	32	8	-0.18	-1.00	-0.95	-0.23	-0.20	-7.82e-03	-6.56e-02	-6.54e-02	-7.96e-03	-2.82e-03
3	32	19	-0.25	-1.21	-0.25	-1.21	5.82e-02	1.33e-02	-7.30e-02	5.65e-03	-6.54e-02	2.45e-02
3	32	20	-8.31e-02	-1.06	-8.32e-02	-1.06	8.94e-03	8.81e-03	-2.22e-03	7.21e-03	-6.09e-04	3.89e-03
3	32	27	-0.45	-1.22	-0.45	-1.22	3.79e-02	-1.84e-02	-0.12	-2.47e-02	-0.12	2.50e-02
3	32	28	0.19	-1.07	0.19	-1.07	5.36e-03	3.82e-03	-1.84e-02	-1.45e-02	-8.54e-05	-8.46e-03
3	32	35	-0.51	-1.21	-0.51	-1.21	1.14e-02	-3.30e-02	-0.14	-3.30e-02	-0.14	8.09e-06
3	32	36	0.28	-1.05	0.28	-1.05	1.14e-02	5.93e-03	-1.60e-02	-1.60e-02	5.93e-03	-5.26e-06
3	32	43	-0.46	-1.23	-0.46	-1.23	-2.18e-02	-1.82e-02	-0.12	-2.45e-02	-0.12	-2.49e-02
3	32	44	0.19	-1.07	0.19	-1.07	1.08e-02	3.90e-03	-1.83e-02	-1.44e-02	-4.22e-05	8.49e-03
3	32	51	-0.26	-1.23	-0.26	-1.22	-5.94e-02	1.38e-02	-7.29e-02	6.19e-03	-6.53e-02	-2.45e-02
3	32	52	-8.54e-02	-1.07	-8.55e-02	-1.07	-1.02e-02	8.93e-03	-2.14e-03	7.36e-03	-5.75e-04	-3.86e-03
3	32	59	5.61e-02	-1.35	4.36e-02	-1.34	-0.13	7.86e-02	-4.87e-02	5.09e-02	-2.10e-02	-5.25e-02
3	32	60	-0.52	-1.04	-0.53	-1.03	-4.93e-02	6.60e-02	-4.38e-03	4.97e-02	1.19e-02	2.97e-02
3	32	67	0.52	-0.18	0.12	0.21	-0.35	-3.71e-02	-0.15	-0.15	-3.80e-02	-1.02e-02
3	32	68	-0.19	-0.99	-0.95	-0.23	0.18	-7.90e-03	-6.59e-02	-6.58e-02	-8.04e-03	2.78e-03
3	33	5	111.31	18.39	19.01	110.69	7.56	-1.34	-6.74	-6.72	-1.36	0.33
3	33	6	36.30	-18.93	18.52	-1.16	-25.80	14.35	2.77	14.27	2.85	-0.97
3	33	7	111.12	18.57	19.20	110.50	-7.58	-1.29	-6.70	-6.68	-1.31	-0.35
3	33	8	37.12	-18.37	19.74	-0.99	25.74	14.21	2.75	14.13	2.83	0.96
3	33	19	109.64	19.11	19.13	109.62	1.47	-6.77e-02	-0.33	-0.33	-6.81e-02	1.06e-02
3	33	20	109.51	18.88	18.91	109.49	-1.46	-2.88e-02	-0.30	-0.30	-3.09e-02	-2.36e-02
3	33	27	107.48	19.17	19.17	107.48	-0.27	8.63e-03	-6.60e-02	-4.95e-02	-7.85e-03	-3.10e-02
3	33	28	107.37	18.76	18.76	107.37	0.27	3.70e-02	-3.83e-02	-2.92e-02	2.79e-02	2.45e-02
3	33	35	107.29	19.18	19.18	107.29	-1.14e-02	-1.56e-02	-8.76e-02	-8.76e-02	-1.56e-02	-8.09e-06
3	33	36	107.19	18.71	18.71	107.19	-1.14e-02	2.23e-02	-6.94e-02	-6.94e-02	2.23e-02	5.26e-06
3	33	43	107.49	19.18	19.18	107.49	0.25	7.81e-03	-6.63e-02	-4.96e-02	-8.84e-03	3.09e-02
3	33	44	107.38	18.76	18.76	107.38	-0.29	3.70e-02	-3.85e-02	-2.93e-02	2.79e-02	-2.46e-02
3	33	51	109.65	19.11	19.14	109.63	-1.47	-6.78e-02	-0.33	-0.33	-6.82e-02	-1.06e-02
3	33	52	109.52	18.89	18.91	109.50	1.46	-2.89e-02	-0.30	-0.30	-3.09e-02	2.36e-02
3	33	59	111.31	18.40	19.01	110.70	-7.54	-1.34	-6.74	-6.72	-1.36	-0.33
3	33	60	111.13	18.57	19.20	110.51	7.60	-1.29	-6.70	-6.68	-1.31	0.35
3	33	67	36.32	-18.95	18.53	-1.16	25.83	14.35	2.77	14.27	2.85	0.97
3	33	68	37.09	-18.35	19.74	-0.99	-25.71	14.21	2.75	14.13	2.83	-0.96
3	34	5	0.22	-0.58	0.19	-0.54	0.16	4.32e-02	-7.13e-02	2.71e-03	-3.08e-02	5.47e-02
3	34	6	0.37	9.44e-02	0.26	0.21	0.14	-1.71e-02	-4.78e-02	-4.75e-02	-1.75e-02	3.27e-03
3	34	7	-0.23	-0.39	-0.39	-0.24	-2.56e-02	3.44e-02	-3.00e-02	1.81e-03	2.57e-03	-3.22e-02
3	34	8	-0.24	-0.81	-0.81	-0.24	-1.99e-02	3.62e-02	1.16e-02	3.55e-02	1.23e-02	3.98e-03
3	34	19	-0.10	-0.44	-0.12	-0.42	6.59e-02	1.12e-02	-7.37e-02	3.31e-03	-6.58e-02	2.46e-02
3	34	20	5.18e-02	-0.27	5.18e-02	-0.27	-2.45e-03	6.88e-03	-2.63e-03	5.08e-03	-8.30e-04	3.72e-03
3	34	27	-0.31	-0.46	-0.31	-0.45	3.46e-02	-1.88e-02	-0.12	-2.50e-02	-0.12	2.48e-02
3	34	28	0.32	-0.30	0.32	-0.30	6.89e-03	3.83e-03	-1.84e-02	-1.47e-02	1.19e-04	-8.30e-03
3	34	35	-0.37	-0.44	-0.37	-0.44	1.14e-02	-3.36e-02	-0.14	-3.36e-02	-0.14	1.21e-05
3	34	36	0.41	-0.29	0.41	-0.29	1.14e-02	6.09e-03	-1.65e-02	-1.65e-02	6.09e-03	7.69e-06
3	34	43	-0.32	-0.46	-0.32	-0.45	-1.84e-02	-1.86e-02	-0.12	-2.48e-02	-0.12	-2.47e-02
3	34	44	0.32	-0.30	0.32	-0.30	9.31e-03	3.90e-03	-1.83e-02	-1.46e-02	1.62e-04	8.31e-03
3	34	51	-0.11	-0.45	-0.12	-0.44	-6.71e-02	1.17e-02	-7.36e-02	3.87e-03	-6.58e-02	-2.46e-02
3	34	52	4.95e-02	-0.29	4.95e-02	-0.29	1.27e-03	6.98e-03	-2.54e-03	5.24e-03	-7.96e-04	-3.68e-03
3	34	59	0.22	-0.59	0.18	-0.55	-0.18	4.34e-02	-7.14e-02	2.87e-03	-3.08e-02	-5.49e-02
3	34	60	-0.24	-0.39	-0.39	-0.24	6.64e-03	3.43e-02	-2.98e-02	1.92e-03	2.58e-03	3.21e-02
3	34	67	0.40	6.77e-02	0.26	0.21	-0.16	-1.73e-02	-4.87e-02	-4.83e-02	-1.77e-02	-3.30e-03
3	34	68	-0.24	-0.81	-0.81	-0.24	-6.14e-03	3.58e-02	1.15e-02	3.51e-02	1.22e-02	-4.00e-03

3	35	5	110.52	18.26	18.87	109.90	7.51	-1.33	-6.69	-6.67	-1.35	0.33
3	35	6	36.03	-18.79	18.39	-1.15	-25.61	14.25	2.75	14.16	2.83	-0.97
3	35	7	110.33	18.44	19.06	109.71	-7.53	-1.28	-6.65	-6.63	-1.30	-0.35
3	35	8	36.85	-18.25	19.59	-0.99	25.55	14.11	2.73	14.03	2.81	0.95
3	35	19	108.85	18.97	18.99	108.83	1.47	-6.72e-02	-0.33	-0.33	-6.77e-02	1.05e-02
3	35	20	108.73	18.75	18.77	108.70	-1.45	-2.86e-02	-0.30	-0.30	-3.07e-02	-2.35e-02
3	35	27	106.71	19.03	19.03	106.71	-0.27	8.56e-03	-6.55e-02	-4.92e-02	-7.81e-03	-3.07e-02
3	35	28	106.61	18.63	18.63	106.60	0.27	3.67e-02	-3.81e-02	-2.90e-02	2.77e-02	2.44e-02
3	35	35	106.52	19.05	19.05	106.52	-1.14e-02	-1.55e-02	-8.70e-02	-8.70e-02	-1.55e-02	-7.73e-06
3	35	36	106.42	18.58	18.58	106.42	-1.14e-02	2.21e-02	-6.89e-02	-6.89e-02	2.21e-02	4.58e-06
3	35	43	106.72	19.04	19.04	106.72	0.25	7.72e-03	-6.58e-02	-4.93e-02	-8.81e-03	3.07e-02
3	35	44	106.61	18.63	18.63	106.61	-0.29	3.67e-02	-3.82e-02	-2.92e-02	2.77e-02	-2.44e-02
3	35	51	108.87	18.98	19.00	108.84	-1.47	-6.73e-02	-0.33	-0.33	-6.78e-02	-1.05e-02
3	35	52	108.74	18.75	18.77	108.71	1.45	-2.87e-02	-0.30	-0.30	-3.07e-02	2.34e-02
3	35	59	110.51	18.27	18.88	109.90	-7.49	-1.33	-6.69	-6.67	-1.35	-0.33
3	35	60	110.34	18.44	19.06	109.71	7.55	-1.28	-6.65	-6.63	-1.30	0.35
3	35	67	36.06	-18.81	18.39	-1.15	25.64	14.25	2.75	14.16	2.83	0.97
3	35	68	36.83	-18.22	19.59	-0.99	-25.53	14.11	2.73	14.03	2.81	-0.95
3	36	5	5.76e-02	-1.35	4.84e-02	-1.34	0.11	7.84e-02	-4.86e-02	5.08e-02	-2.10e-02	5.24e-02
3	36	6	0.50	-0.16	0.13	0.21	0.32	-3.69e-02	-0.15	-0.15	-3.78e-02	1.02e-02
3	36	7	-0.53	-1.03	-0.53	-1.03	3.03e-02	6.60e-02	-4.50e-03	4.96e-02	1.19e-02	-2.98e-02
3	36	8	-0.18	-1.00	-0.95	-0.23	-0.20	-7.82e-03	-6.56e-02	-6.54e-02	-7.96e-03	-2.81e-03
3	36	19	-0.25	-1.21	-0.25	-1.21	5.82e-02	1.33e-02	-7.30e-02	5.65e-03	-6.54e-02	2.45e-02
3	36	20	-8.31e-02	-1.06	-8.32e-02	-1.06	8.96e-03	8.82e-03	-2.22e-03	7.21e-03	-6.09e-04	3.90e-03
3	36	27	-0.45	-1.22	-0.45	-1.22	3.79e-02	-1.84e-02	-0.12	-2.47e-02	-0.12	2.50e-02
3	36	28	0.19	-1.07	0.19	-1.07	5.38e-03	3.83e-03	-1.84e-02	-1.45e-02	-8.54e-05	-8.47e-03
3	36	35	-0.51	-1.21	-0.51	-1.21	1.14e-02	-3.30e-02	-0.14	-3.30e-02	-0.14	1.25e-05
3	36	36	0.28	-1.05	0.28	-1.05	1.14e-02	5.93e-03	-1.60e-02	-1.60e-02	5.93e-03	7.01e-06
3	36	43	-0.46	-1.23	-0.46	-1.23	-2.17e-02	-1.82e-02	-0.12	-2.45e-02	-0.12	-2.49e-02
3	36	44	0.19	-1.07	0.19	-1.07	1.08e-02	3.90e-03	-1.83e-02	-1.44e-02	-4.23e-05	8.49e-03
3	36	51	-0.26	-1.23	-0.26	-1.22	-5.94e-02	1.38e-02	-7.29e-02	6.19e-03	-6.53e-02	-2.45e-02
3	36	52	-8.54e-02	-1.07	-8.55e-02	-1.07	-1.01e-02	8.93e-03	-2.14e-03	7.36e-03	-5.75e-04	-3.86e-03
3	36	59	5.61e-02	-1.35	4.36e-02	-1.34	-0.13	7.87e-02	-4.87e-02	5.09e-02	-2.10e-02	-5.25e-02
3	36	60	-0.52	-1.04	-0.53	-1.03	-4.93e-02	6.59e-02	-4.38e-03	4.97e-02	1.19e-02	2.97e-02
3	36	67	0.52	-0.18	0.12	0.21	-0.35	-3.71e-02	-0.15	-0.15	-3.80e-02	-1.02e-02
3	36	68	-0.19	-0.99	-0.95	-0.23	0.18	-7.90e-03	-6.59e-02	-6.58e-02	-8.04e-03	2.79e-03
3	37	5	111.31	18.39	19.01	110.69	7.56	-1.34	-6.74	-6.72	-1.36	0.33
3	37	6	36.30	-18.93	18.52	-1.16	-25.80	14.35	2.77	14.27	2.85	-0.97
3	37	7	111.12	18.57	19.20	110.50	-7.58	-1.29	-6.70	-6.68	-1.31	-0.35
3	37	8	37.12	-18.37	19.74	-0.99	25.74	14.21	2.75	14.13	2.83	0.96
3	37	19	109.64	19.11	19.13	109.62	1.47	-6.77e-02	-0.33	-0.33	-6.81e-02	1.06e-02
3	37	20	109.51	18.88	18.91	109.49	-1.46	-2.88e-02	-0.30	-0.30	-3.09e-02	-2.36e-02
3	37	27	107.48	19.17	19.17	107.48	-0.27	8.64e-03	-6.60e-02	-4.95e-02	-7.85e-03	-3.10e-02
3	37	28	107.37	18.76	18.76	107.37	0.27	3.70e-02	-3.83e-02	-2.92e-02	2.79e-02	2.45e-02
3	37	35	107.29	19.18	19.18	107.29	-1.14e-02	-1.56e-02	-8.76e-02	-8.76e-02	-1.56e-02	-1.25e-05
3	37	36	107.19	18.71	18.71	107.19	-1.14e-02	2.23e-02	-6.94e-02	-6.94e-02	2.23e-02	-7.01e-06
3	37	43	107.49	19.18	19.18	107.49	0.25	7.80e-03	-6.63e-02	-4.96e-02	-8.84e-03	3.09e-02
3	37	44	107.38	18.76	18.76	107.38	-0.29	3.70e-02	-3.84e-02	-2.93e-02	2.79e-02	-2.46e-02
3	37	51	109.65	19.11	19.14	109.63	-1.47	-6.78e-02	-0.33	-0.33	-6.82e-02	-1.06e-02
3	37	52	109.52	18.89	18.91	109.50	1.46	-2.89e-02	-0.30	-0.30	-3.09e-02	2.36e-02
3	37	59	111.31	18.40	19.01	110.70	-7.54	-1.34	-6.74	-6.72	-1.36	-0.33
3	37	60	111.13	18.57	19.20	110.51	7.60	-1.29	-6.70	-6.68	-1.31	0.35
3	37	67	36.32	-18.95	18.53	-1.16	25.83	14.35	2.77	14.27	2.85	0.97
3	37	68	37.09	-18.35	19.74	-0.99	-25.71	14.21	2.75	14.13	2.83	-0.96
3	38	5	0.22	-0.58	0.19	-0.54	0.16	4.32e-02	-7.13e-02	2.71e-03	-3.08e-02	5.47e-02
3	38	6	0.37	9.44e-02	0.26	0.21	0.14	-1.71e-02	-4.78e-02	-4.75e-02	-1.75e-02	3.27e-03
3	38	7	-0.23	-0.39	-0.39	-0.24	-2.56e-02	3.44e-02	-3.00e-02	1.81e-03	2.57e-03	-3.22e-02
3	38	8	-0.24	-0.81	-0.81	-0.24	-1.99e-02	3.61e-02	1.16e-02	3.55e-02	1.23e-02	3.97e-03
3	38	19	-0.10	-0.44	-0.12	-0.42	6.59e-02	1.12e-02	-7.37e-02	3.32e-03	-6.58e-02	2.46e-02
3	38	20	5.18e-02	-0.27	5.18e-02	-0.27	-2.47e-03	6.88e-03	-2.62e-03	5.08e-03	-8.30e-04	3.72e-03
3	38	27	-0.31	-0.46	-0.31	-0.45	3.46e-02	-1.88e-02	-0.12	-2.50e-02	-0.12	2.48e-02
3	38	28	0.32	-0.30	0.32	-0.30	6.87e-03	3.83e-03	-1.84e-02	-1.47e-02	1.19e-04	-8.29e-03
3	38	35	-0.37	-0.44	-0.37	-0.44	1.14e-02	-3.36e-02	-0.14	-3.36e-02	-0.14	7.73e-06
3	38	36	0.41	-0.29	0.41	-0.29	1.14e-02	6.09e-03	-1.65e-02	-1.65e-02	6.09e-03	-4.58e-06
3	38	43	-0.32	-0.46	-0.32	-0.45	-1.84e-02	-1.86e-02	-0.12	-2.48e-02	-0.12	-2.47e-02
3	38	44	0.32	-0.30	0.32	-0.30	9.29e-03	3.91e-03	-1.83e-02	-1.46e-02	1.62e-04	8.32e-03
3	38	51	-0.11	-0.45	-0.12	-0.44	-6.71e-02	1.17e-02	-7.36e-02	3.87e-03	-6.58e-02	-2.46e-02
3	38	52	4.95e-02	-0.29	4.95e-02	-0.29	1.25e-03	6.99e-03	-2.54e-03	5.24e-03	-7.96e-04	-3.69e-03
3	38	59	0.22	-0.59	0.18	-0.55	-0.18	4.34e-02	-7.14e-02	2.87e-03	-3.08e-02	-5.49e-02
3	38	60	-0.24	-0.39	-0.39	-0.24	6.61e-03	3.43e-02	-2.98e-02	1.92e-03	2.58e-03	3.21e-02
3	38	67	0.40	6.77e-02	0.26	0.21	-0.16	-1.73e-02	-4.87e-02	-4.83e-02	-1.77e-02	-3.30e-03
3	38	68	-0.24	-0.81	-0.81	-0.24	-6.14e-03	3.58e-02	1.15e-02	3.51e-02	1.22e-02	-4.01e-03
3	39	5	0.39	-0.43	-0.10	6.25e-02	0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	9.96e-03
3	39	6	0.22	-0.33	-0.14	1.82e-02	0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	-1.25e-02
3	39	7	0.29	-7.19e-02	-6.37e-02	0.28	5.39e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.63e-03
3	39	8	4.14e-02	-0.57	-0.39	-0.14	0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	1.31e-02
3	39	19	0.38	-0.21	4.50e-02	0.13	0.29	-2.75e-03	-6.69e-03	-6.17e-03	-3.27e-03	-1.34e-03

3	39	20	0.29	0.11	0.11	0.29	1.87e-02	-1.70e-04	-5.65e-03	-5.54e-03	-2.82e-04	7.76e-04
3	39	27	0.27	-1.55e-02	0.13	0.13	0.14	-2.68e-03	-5.61e-03	-5.46e-03	-2.82e-03	-6.33e-04
3	39	28	0.28	0.21	0.21	0.28	1.26e-02	1.90e-04	-3.88e-03	-3.85e-03	1.62e-04	3.35e-04
3	39	35	0.15	0.13	0.15	0.13	1.25e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	-1.15e-06
3	39	36	0.28	0.25	0.25	0.28	1.25e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	-7.60e-06
3	39	43	0.27	-1.46e-02	0.13	0.13	-0.14	-2.58e-03	-5.60e-03	-5.46e-03	-2.71e-03	6.34e-04
3	39	44	0.28	0.21	0.21	0.28	-1.08e-02	1.92e-04	-3.87e-03	-3.84e-03	1.66e-04	-3.24e-04
3	39	51	0.38	-0.21	4.40e-02	0.13	-0.29	-2.74e-03	-6.65e-03	-6.12e-03	-3.27e-03	1.34e-03
3	39	52	0.29	0.10	0.11	0.29	-1.88e-02	-1.66e-04	-5.63e-03	-5.52e-03	-2.79e-04	-7.79e-04
3	39	59	0.40	-0.44	-0.10	6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.98e-03
3	39	60	0.29	-7.27e-02	-6.39e-02	0.28	-5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.63e-03
3	39	67	0.22	-0.34	-0.14	1.82e-02	-0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	1.25e-02
3	39	68	4.40e-02	-0.58	-0.39	-0.14	-0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	-1.31e-02
3	40	5	0.36	-0.40	-0.11	6.35e-02	0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	9.90e-03
3	40	6	0.18	-0.31	-0.15	1.57e-02	0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	-1.25e-02
3	40	7	0.29	-6.47e-02	-6.34e-02	0.29	2.11e-02	-6.73e-03	-3.23e-02	-2.78e-02	-1.12e-02	-9.73e-03
3	40	8	1.07e-02	-0.54	-0.39	-0.14	0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	1.30e-02
3	40	19	0.36	-0.18	4.68e-02	0.14	0.26	-2.83e-03	-6.88e-03	-6.40e-03	-3.32e-03	-1.31e-03
3	40	20	0.29	0.11	0.11	0.29	-8.08e-03	-1.79e-04	-5.81e-03	-5.69e-03	-3.00e-04	8.19e-04
3	40	27	0.26	7.75e-03	0.14	0.14	0.13	-2.49e-03	-5.63e-03	-5.49e-03	-2.63e-03	-6.50e-04
3	40	28	0.28	0.21	0.21	0.28	-3.62e-03	3.75e-04	-3.93e-03	-3.90e-03	3.52e-04	3.15e-04
3	40	35	0.16	0.14	0.16	0.14	-1.27e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	-3.84e-06
3	40	36	0.28	0.25	0.25	0.28	-1.27e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	-8.40e-06
3	40	43	0.27	6.56e-03	0.14	0.14	-0.13	-2.60e-03	-5.66e-03	-5.52e-03	-2.74e-03	6.43e-04
3	40	44	0.28	0.21	0.21	0.28	1.82e-03	3.69e-04	-3.94e-03	-3.92e-03	3.47e-04	-3.09e-04
3	40	51	0.36	-0.17	4.73e-02	0.14	-0.26	-2.86e-03	-6.94e-03	-6.47e-03	-3.33e-03	1.30e-03
3	40	52	0.29	0.11	0.11	0.29	8.17e-03	-1.80e-04	-5.83e-03	-5.70e-03	-3.04e-04	-8.28e-04
3	40	59	0.36	-0.40	-0.11	6.37e-02	-0.37	9.40e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.88e-03
3	40	60	0.29	-6.43e-02	-6.33e-02	0.29	-1.90e-02	-6.71e-03	-3.24e-02	-2.79e-02	-1.12e-02	9.75e-03
3	40	67	0.17	-0.31	-0.15	1.57e-02	-0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	1.25e-02
3	40	68	8.14e-03	-0.54	-0.39	-0.14	-0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	-1.30e-02
3	41	5	0.39	-0.43	-0.10	6.25e-02	0.41	9.46e-03	-2.37e-02	-2.03e-02	6.14e-03	9.96e-03
3	41	6	0.22	-0.33	-0.14	1.82e-02	0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	-1.25e-02
3	41	7	0.29	-7.19e-02	-6.37e-02	0.28	5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.64e-03
3	41	8	4.14e-02	-0.57	-0.39	-0.14	0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	1.31e-02
3	41	19	0.38	-0.21	4.48e-02	0.13	0.29	-2.76e-03	-6.70e-03	-6.18e-03	-3.27e-03	-1.33e-03
3	41	20	0.29	0.11	0.11	0.29	1.87e-02	-1.69e-04	-5.65e-03	-5.54e-03	-2.83e-04	7.82e-04
3	41	27	0.27	-1.57e-02	0.13	0.13	0.14	-2.68e-03	-5.61e-03	-5.47e-03	-2.83e-03	-6.30e-04
3	41	28	0.28	0.21	0.21	0.28	1.26e-02	1.88e-04	-3.88e-03	-3.85e-03	1.62e-04	3.26e-04
3	41	35	0.15	0.13	0.15	0.13	1.27e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	3.84e-06
3	41	36	0.28	0.25	0.25	0.28	1.27e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	8.40e-06
3	41	43	0.27	-1.45e-02	0.13	0.13	-0.14	-2.57e-03	-5.59e-03	-5.44e-03	-2.71e-03	6.37e-04
3	41	44	0.28	0.21	0.21	0.28	-1.08e-02	1.94e-04	-3.87e-03	-3.84e-03	1.66e-04	-3.33e-04
3	41	51	0.38	-0.21	4.42e-02	0.13	-0.29	-2.73e-03	-6.64e-03	-6.11e-03	-3.26e-03	1.34e-03
3	41	52	0.29	0.10	0.11	0.29	-1.88e-02	-1.67e-04	-5.63e-03	-5.52e-03	-2.79e-04	-7.73e-04
3	41	59	0.40	-0.43	-0.10	6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.98e-03
3	41	60	0.29	-7.27e-02	-6.38e-02	0.28	-5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.62e-03
3	41	67	0.22	-0.34	-0.14	1.82e-02	-0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	1.25e-02
3	41	68	4.40e-02	-0.58	-0.39	-0.14	-0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	-1.31e-02
3	42	5	0.36	-0.40	-0.11	6.34e-02	0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	9.90e-03
3	42	6	0.18	-0.31	-0.15	1.57e-02	0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	-1.25e-02
3	42	7	0.29	-6.47e-02	-6.34e-02	0.29	2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	-9.74e-03
3	42	8	1.07e-02	-0.54	-0.39	-0.14	0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	1.30e-02
3	42	19	0.36	-0.18	4.66e-02	0.14	0.26	-2.84e-03	-6.89e-03	-6.41e-03	-3.32e-03	-1.31e-03
3	42	20	0.29	0.11	0.11	0.29	-8.05e-03	-1.77e-04	-5.81e-03	-5.69e-03	-3.01e-04	8.25e-04
3	42	27	0.26	7.64e-03	0.14	0.14	0.13	-2.49e-03	-5.64e-03	-5.51e-03	-2.63e-03	-6.47e-04
3	42	28	0.28	0.21	0.21	0.28	-3.61e-03	3.74e-04	-3.92e-03	-3.90e-03	3.52e-04	3.06e-04
3	42	35	0.16	0.14	0.16	0.14	-1.25e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	1.15e-06
3	42	36	0.28	0.25	0.25	0.28	-1.25e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	7.60e-06
3	42	43	0.27	6.67e-03	0.14	0.14	-0.13	-2.60e-03	-5.65e-03	-5.51e-03	-2.74e-03	6.46e-04
3	42	44	0.28	0.21	0.21	0.28	1.83e-03	3.71e-04	-3.94e-03	-3.92e-03	3.47e-04	-3.18e-04
3	42	51	0.36	-0.17	4.75e-02	0.14	-0.26	-2.85e-03	-6.93e-03	-6.46e-03	-3.33e-03	1.31e-03
3	42	52	0.29	0.11	0.11	0.29	8.20e-03	-1.81e-04	-5.83e-03	-5.70e-03	-3.04e-04	-8.22e-04
3	42	59	0.36	-0.40	-0.11	6.37e-02	-0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.89e-03
3	42	60	0.29	-6.43e-02	-6.32e-02	0.29	-1.90e-02	-6.72e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.74e-03
3	42	67	0.17	-0.31	-0.15	1.57e-02	-0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	1.25e-02
3	42	68	8.15e-03	-0.54	-0.39	-0.14	-0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	-1.30e-02
3	43	5	0.40	-0.43	-0.10	6.22e-02	0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	9.98e-03
3	43	6	0.22	-0.34	-0.14	1.82e-02	0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	-1.25e-02
3	43	7	0.29	-7.27e-02	-6.38e-02	0.28	5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.62e-03
3	43	8	4.40e-02	-0.58	-0.39	-0.14	0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	-1.31e-02
3	43	19	0.38	-0.21	4.42e-02	0.13	0.29	-2.73e-03	-6.64e-03	-6.11e-03	-3.26e-03	-1.34e-03
3	43	20	0.29	0.10	0.11	0.29	1.88e-02	-1.67e-04	-5.63e-03	-5.52e-03	-2.79e-04	7.73e-04
3	43	27	0.27	-1.45e-02	0.13	0.13	0.14	-2.57e-03	-5.59e-03	-5.44e-03	-2.71e-03	-6.37e-04
3	43	28	0.28	0.21	0.21	0.28	1.08e-02	1.94e-04	-3.87e-03	-3.84e-03	1.66e-04	3.32e-04
3	43	35	0.15	0.13	0.15	0.13	-1.28e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	-3.62e-06
3	43	36	0.28	0.25	0.25	0.28	-1.28e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	-8.14e-06

3	43	43	0.27	-1.57e-02	0.13	0.13	-0.14	-2.68e-03	-5.61e-03	-5.47e-03	-2.83e-03	6.30e-04
3	43	44	0.28	0.21	0.21	0.28	-1.26e-02	1.88e-04	-3.88e-03	-3.85e-03	1.62e-04	-3.26e-04
3	43	51	0.38	-0.21	4.48e-02	0.13	-0.29	-2.76e-03	-6.70e-03	-6.18e-03	-3.27e-03	1.33e-03
3	43	52	0.29	0.11	0.11	0.29	-1.87e-02	-1.69e-04	-5.65e-03	-5.54e-03	-2.83e-04	-7.82e-04
3	43	59	0.39	-0.43	-0.10	6.25e-02	-0.41	9.46e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.96e-03
3	43	60	0.29	-7.19e-02	-6.37e-02	0.28	-5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.64e-03
3	43	67	0.22	-0.33	-0.14	1.82e-02	-0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	1.25e-02
3	43	68	4.14e-02	-0.57	-0.39	-0.14	-0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	-1.31e-02
3	44	5	0.36	-0.40	-0.11	6.37e-02	0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	9.89e-03
3	44	6	0.17	-0.31	-0.15	1.57e-02	0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	-1.25e-02
3	44	7	0.29	-6.43e-02	-6.33e-02	0.29	1.90e-02	-6.72e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.74e-03
3	44	8	8.15e-03	-0.54	-0.39	-0.14	0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	1.30e-02
3	44	19	0.36	-0.17	4.75e-02	0.14	0.26	-2.85e-03	-6.93e-03	-6.46e-03	-3.32e-03	-1.31e-03
3	44	20	0.29	0.11	0.11	0.29	-8.21e-03	-1.81e-04	-5.83e-03	-5.70e-03	-3.04e-04	8.22e-04
3	44	27	0.27	6.66e-03	0.14	0.14	0.13	-2.59e-03	-5.65e-03	-5.51e-03	-2.74e-03	-6.46e-04
3	44	28	0.28	0.21	0.21	0.28	-1.83e-03	3.71e-04	-3.94e-03	-3.92e-03	3.47e-04	3.18e-04
3	44	35	0.16	0.14	0.16	0.14	1.25e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	-1.37e-06
3	44	36	0.28	0.25	0.25	0.28	1.25e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	-7.87e-06
3	44	43	0.26	7.66e-03	0.14	0.14	-0.13	-2.49e-03	-5.64e-03	-5.51e-03	-2.63e-03	6.47e-04
3	44	44	0.28	0.21	0.21	0.28	3.62e-03	3.74e-04	-3.93e-03	-3.90e-03	3.52e-04	-3.06e-04
3	44	51	0.36	-0.18	4.65e-02	0.14	-0.26	-2.84e-03	-6.89e-03	-6.41e-03	-3.32e-03	1.31e-03
3	44	52	0.29	0.11	0.11	0.29	8.05e-03	-1.77e-04	-5.81e-03	-5.69e-03	-3.00e-04	-8.24e-04
3	44	59	0.36	-0.40	-0.11	6.34e-02	-0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.90e-03
3	44	60	0.29	-6.47e-02	-6.34e-02	0.29	-2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.74e-03
3	44	67	0.18	-0.31	-0.15	1.57e-02	-0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	1.25e-02
3	44	68	1.07e-02	-0.54	-0.39	-0.14	-0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	-1.30e-02
3	45	5	0.40	-0.44	-0.10	6.22e-02	0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	9.98e-03
3	45	6	0.22	-0.34	-0.14	1.82e-02	0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	-1.25e-02
3	45	7	0.29	-7.27e-02	-6.39e-02	0.28	5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.63e-03
3	45	8	4.40e-02	-0.58	-0.39	-0.14	0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	1.31e-02
3	45	19	0.38	-0.21	4.40e-02	0.13	0.29	-2.74e-03	-6.65e-03	-6.12e-03	-3.27e-03	-1.34e-03
3	45	20	0.29	0.10	0.11	0.29	1.88e-02	-1.66e-04	-5.63e-03	-5.52e-03	-2.79e-04	7.79e-04
3	45	27	0.27	-1.46e-02	0.13	0.13	0.14	-2.58e-03	-5.60e-03	-5.46e-03	-2.72e-03	-6.34e-04
3	45	28	0.28	0.21	0.21	0.28	1.08e-02	1.92e-04	-3.87e-03	-3.84e-03	1.66e-04	3.24e-04
3	45	35	0.15	0.13	0.15	0.13	-1.25e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	1.37e-06
3	45	36	0.28	0.25	0.25	0.28	-1.25e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	7.87e-06
3	45	43	0.27	-1.56e-02	0.13	0.13	-0.14	-2.68e-03	-5.60e-03	-5.46e-03	-2.82e-03	6.33e-04
3	45	44	0.28	0.21	0.21	0.28	-1.26e-02	1.89e-04	-3.88e-03	-3.85e-03	1.62e-04	-3.35e-04
3	45	51	0.38	-0.21	4.50e-02	0.13	-0.29	-2.75e-03	-6.69e-03	-6.17e-03	-3.27e-03	1.34e-03
3	45	52	0.29	0.11	0.11	0.29	-1.87e-02	-1.70e-04	-5.65e-03	-5.54e-03	-2.83e-04	-7.77e-04
3	45	59	0.39	-0.43	-0.10	6.25e-02	-0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.96e-03
3	45	60	0.29	-7.19e-02	-6.37e-02	0.28	-5.39e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.63e-03
3	45	67	0.22	-0.33	-0.14	1.82e-02	-0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	1.25e-02
3	45	68	4.14e-02	-0.57	-0.39	-0.14	-0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	-1.31e-02
3	46	5	0.36	-0.40	-0.11	6.37e-02	0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	9.88e-03
3	46	6	0.17	-0.31	-0.15	1.57e-02	0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	-1.25e-02
3	46	7	0.29	-6.43e-02	-6.33e-02	0.29	1.90e-02	-6.71e-03	-3.24e-02	-2.79e-02	-1.12e-02	-9.75e-03
3	46	8	8.14e-03	-0.54	-0.39	-0.14	0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	1.30e-02
3	46	19	0.36	-0.17	4.73e-02	0.14	0.26	-2.86e-03	-6.94e-03	-6.47e-03	-3.33e-03	-1.30e-03
3	46	20	0.29	0.11	0.11	0.29	-8.18e-03	-1.80e-04	-5.83e-03	-5.70e-03	-3.04e-04	8.28e-04
3	46	27	0.27	6.55e-03	0.14	0.14	0.13	-2.60e-03	-5.66e-03	-5.52e-03	-2.74e-03	-6.43e-04
3	46	28	0.28	0.21	0.21	0.28	-1.82e-03	3.69e-04	-3.94e-03	-3.92e-03	3.47e-04	3.09e-04
3	46	35	0.16	0.14	0.16	0.14	1.28e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	3.62e-06
3	46	36	0.28	0.25	0.25	0.28	1.28e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	8.14e-06
3	46	43	0.26	7.77e-03	0.14	0.14	-0.13	-2.49e-03	-5.64e-03	-5.50e-03	-2.63e-03	6.50e-04
3	46	44	0.28	0.21	0.21	0.28	3.63e-03	3.75e-04	-3.93e-03	-3.90e-03	3.52e-04	-3.15e-04
3	46	51	0.36	-0.18	4.68e-02	0.14	-0.26	-2.83e-03	-6.88e-03	-6.40e-03	-3.32e-03	1.31e-03
3	46	52	0.29	0.11	0.11	0.29	8.07e-03	-1.78e-03	-5.81e-03	-5.69e-03	-3.00e-04	-8.19e-04
3	46	59	0.36	-0.40	-0.11	6.35e-02	-0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.90e-03
3	46	60	0.29	-6.47e-02	-6.34e-02	0.29	-2.11e-02	-6.73e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.73e-03
3	46	67	0.18	-0.31	-0.15	1.57e-02	-0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	1.25e-02
3	46	68	1.07e-02	-0.54	-0.39	-0.14	-0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	-1.30e-02
3	47	5	0.39	-0.43	-0.10	6.25e-02	0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	9.96e-03
3	47	6	0.22	-0.33	-0.14	1.82e-02	0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	-1.25e-02
3	47	7	0.29	-7.19e-02	-6.37e-02	0.28	5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.64e-03
3	47	8	4.14e-02	-0.57	-0.39	-0.14	0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	1.31e-02
3	47	19	0.38	-0.21	4.50e-02	0.13	0.29	-2.75e-03	-6.69e-03	-6.17e-03	-3.27e-03	-1.33e-03
3	47	20	0.29	0.11	0.11	0.29	1.87e-02	-1.68e-04	-5.65e-03	-5.53e-03	-2.82e-04	7.82e-04
3	47	27	0.27	-1.56e-02	0.13	0.13	0.14	-2.68e-03	-5.60e-03	-5.46e-03	-2.82e-03	-6.30e-04
3	47	28	0.28	0.21	0.21	0.28	1.26e-02	1.88e-04	-3.88e-03	-3.85e-03	1.62e-04	3.27e-04
3	47	35	0.15	0.13	0.15	0.13	1.28e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	4.28e-06
3	47	36	0.28	0.25	0.25	0.28	1.28e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	7.57e-06
3	47	43	0.27	-1.46e-02	0.13	0.13	-0.14	-2.57e-03	-5.60e-03	-5.45e-03	-2.71e-03	6.37e-04
3	47	44	0.28	0.21	0.21	0.28	-1.08e-02	1.94e-04	-3.87e-03	-3.84e-03	1.66e-04	-3.32e-04
3	47	51	0.38	-0.21	4.40e-02	0.13	-0.29	-2.73e-03	-6.65e-03	-6.12e-03	-3.27e-03	1.34e-03
3	47	52	0.29	0.10	0.11	0.29	-1.88e-02	-1.68e-04	-5.63e-03	-5.52e-03	-2.79e-04	-7.74e-04
3	47	59	0.40	-0.44	-0.10	6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.98e-03

3	47	60	0.29	-7.27e-02	-6.39e-02	0.28	-5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.63e-03
3	47	67	0.22	-0.34	-0.14	1.82e-02	-0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	1.25e-02
3	47	68	4.40e-02	-0.58	-0.39	-0.14	-0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	-1.31e-02
3	48	5	0.36	-0.40	-0.11	6.34e-02	0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	9.90e-03
3	48	6	0.18	-0.31	-0.15	1.57e-02	0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	-1.25e-02
3	48	7	0.29	-6.47e-02	-6.34e-02	0.29	2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	-9.73e-03
3	48	8	1.07e-02	-0.54	-0.39	-0.14	0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	1.30e-02
3	48	19	0.36	-0.18	4.68e-02	0.14	0.26	-2.84e-03	-6.88e-03	-6.40e-03	-3.32e-03	-1.31e-03
3	48	20	0.29	0.11	0.11	0.29	-8.05e-03	-1.77e-04	-5.81e-03	-5.69e-03	-3.00e-04	8.24e-04
3	48	27	0.26	7.72e-03	0.14	0.14	0.13	-2.49e-03	-5.63e-03	-5.49e-03	-2.63e-03	-6.47e-04
3	48	28	0.28	0.21	0.21	0.28	-3.61e-03	3.74e-04	-3.92e-03	-3.90e-03	3.52e-04	3.06e-04
3	48	35	0.16	0.14	0.16	0.14	-1.24e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	1.59e-06
3	48	36	0.28	0.25	0.25	0.28	-1.24e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	6.76e-06
3	48	43	0.27	6.58e-03	0.14	0.14	-0.13	-2.60e-03	-5.66e-03	-5.52e-03	-2.74e-03	6.46e-04
3	48	44	0.28	0.21	0.21	0.28	1.84e-03	3.70e-04	-3.94e-03	-3.92e-03	3.47e-04	-3.17e-04
3	48	51	0.36	-0.17	4.73e-02	0.14	-0.26	-2.86e-03	-6.94e-03	-6.47e-03	-3.33e-03	1.31e-03
3	48	52	0.29	0.11	0.11	0.29	8.20e-03	-1.82e-04	-5.83e-03	-5.70e-03	-3.04e-04	-8.22e-04
3	48	59	0.36	-0.40	-0.11	6.37e-02	-0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.89e-03
3	48	60	0.29	-6.43e-02	-6.33e-02	0.29	-1.90e-02	-6.71e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.75e-03
3	48	67	0.17	-0.31	-0.15	1.57e-02	-0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	1.25e-02
3	48	68	8.14e-03	-0.54	-0.39	-0.14	-0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	-1.30e-02
3	49	5	0.39	-0.43	-0.10	6.25e-02	0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	9.96e-03
3	49	6	0.22	-0.33	-0.14	1.82e-02	0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	-1.25e-02
3	49	7	0.29	-7.19e-02	-6.37e-02	0.28	5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.64e-03
3	49	8	4.14e-02	-0.57	-0.39	-0.14	0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	1.31e-02
3	49	19	0.38	-0.21	4.48e-02	0.13	0.29	-2.75e-03	-6.70e-03	-6.18e-03	-3.27e-03	-1.34e-03
3	49	20	0.29	0.11	0.11	0.29	1.87e-02	-1.70e-04	-5.65e-03	-5.54e-03	-2.83e-04	7.77e-04
3	49	27	0.27	-1.56e-02	0.13	0.13	0.14	-2.68e-03	-5.61e-03	-5.47e-03	-2.83e-03	-6.33e-04
3	49	28	0.28	0.21	0.21	0.28	1.26e-02	1.89e-04	-3.88e-03	-3.85e-03	1.62e-04	3.35e-04
3	49	35	0.15	0.13	0.15	0.13	1.24e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	-1.59e-06
3	49	36	0.28	0.25	0.25	0.28	1.24e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	-6.76e-06
3	49	43	0.27	-1.45e-02	0.13	0.13	-0.14	-2.57e-03	-5.59e-03	-5.45e-03	-2.71e-03	6.34e-04
3	49	44	0.28	0.21	0.21	0.28	-1.08e-02	1.93e-04	-3.87e-03	-3.84e-03	1.67e-04	-3.24e-04
3	49	51	0.38	-0.21	4.42e-02	0.13	-0.29	-2.73e-03	-6.64e-03	-6.11e-03	-3.26e-03	1.34e-03
3	49	52	0.29	0.10	0.11	0.29	-1.88e-02	-1.66e-04	-5.63e-03	-5.52e-03	-2.79e-04	-7.79e-04
3	49	59	0.40	-0.44	-0.10	6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.98e-03
3	49	60	0.29	-7.27e-02	-6.38e-02	0.28	-5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.62e-03
3	49	67	0.22	-0.34	-0.14	1.82e-02	-0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	1.25e-02
3	49	68	4.40e-02	-0.58	-0.39	-0.14	-0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	-1.31e-02
3	50	5	0.36	-0.40	-0.11	6.34e-02	0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	9.90e-03
3	50	6	0.18	-0.31	-0.15	1.57e-02	0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	-1.25e-02
3	50	7	0.29	-6.47e-02	-6.34e-02	0.29	2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	-9.74e-03
3	50	8	1.07e-02	-0.54	-0.39	-0.14	0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	1.30e-02
3	50	19	0.36	-0.18	4.66e-02	0.14	0.26	-2.84e-03	-6.89e-03	-6.41e-03	-3.32e-03	-1.31e-03
3	50	20	0.29	0.11	0.11	0.29	-8.07e-03	-1.79e-04	-5.81e-03	-5.69e-03	-3.01e-04	8.19e-04
3	50	27	0.26	7.66e-03	0.14	0.14	0.13	-2.49e-03	-5.64e-03	-5.50e-03	-2.63e-03	-6.50e-04
3	50	28	0.28	0.21	0.21	0.28	-3.63e-03	3.75e-04	-3.93e-03	-3.90e-03	3.52e-04	3.15e-04
3	50	35	0.16	0.14	0.16	0.14	-1.28e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	-4.28e-06
3	50	36	0.28	0.25	0.25	0.28	-1.28e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	-7.57e-06
3	50	43	0.27	6.64e-03	0.14	0.14	-0.13	-2.60e-03	-5.65e-03	-5.51e-03	-2.74e-03	6.43e-04
3	50	44	0.28	0.21	0.21	0.28	1.82e-03	3.70e-04	-3.94e-03	-3.92e-03	3.47e-04	-3.09e-04
3	50	51	0.36	-0.17	4.75e-02	0.14	-0.26	-2.86e-03	-6.93e-03	-6.46e-03	-3.33e-03	1.30e-03
3	50	52	0.29	0.11	0.11	0.29	8.17e-03	-1.80e-04	-5.83e-03	-5.70e-03	-3.04e-04	-8.27e-04
3	50	59	0.36	-0.40	-0.11	6.37e-02	-0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.88e-03
3	50	60	0.29	-6.43e-02	-6.32e-02	0.29	-1.90e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.75e-03
3	50	67	0.17	-0.31	-0.15	1.57e-02	-0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	1.25e-02
3	50	68	8.15e-03	-0.54	-0.39	-0.14	-0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	-1.30e-02
3	51	5	0.40	-0.44	-0.10	6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	9.98e-03
3	51	6	0.22	-0.34	-0.14	1.82e-02	0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	-1.25e-02
3	51	7	0.29	-7.27e-02	-6.38e-02	0.28	5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.62e-03
3	51	8	4.40e-02	-0.58	-0.39	-0.14	0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	1.31e-02
3	51	19	0.38	-0.21	4.42e-02	0.13	0.29	-2.73e-03	-6.64e-03	-6.11e-03	-3.26e-03	-1.34e-03
3	51	20	0.29	0.10	0.11	0.29	1.88e-02	-1.66e-04	-5.63e-03	-5.52e-03	-2.79e-04	7.78e-04
3	51	27	0.27	-1.45e-02	0.13	0.13	0.14	-2.57e-03	-5.59e-03	-5.45e-03	-2.71e-03	-6.34e-04
3	51	28	0.28	0.21	0.21	0.28	1.08e-02	1.93e-04	-3.87e-03	-3.84e-03	1.67e-04	3.24e-04
3	51	35	0.15	0.13	0.15	0.13	-1.24e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	1.81e-06
3	51	36	0.28	0.25	0.25	0.28	-1.24e-03	3.55e-04	-3.60e-03	-3.60e-03	3.54e-04	7.03e-06
3	51	43	0.27	-1.57e-02	0.13	0.13	-0.14	-2.68e-03	-5.61e-03	-5.47e-03	-2.83e-03	6.33e-04
3	51	44	0.28	0.21	0.21	0.28	-1.26e-02	1.89e-04	-3.88e-03	-3.85e-03	1.61e-04	-3.35e-04
3	51	51	0.38	-0.21	4.48e-02	0.13	-0.29	-2.75e-03	-6.70e-03	-6.18e-03	-3.27e-03	1.34e-03
3	51	52	0.29	0.11	0.11	0.29	-1.87e-02	-1.71e-04	-5.65e-03	-5.54e-03	-2.83e-04	-7.77e-04
3	51	59	0.39	-0.43	-0.10	6.25e-02	-0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.96e-03
3	51	60	0.29	-7.19e-02	-6.37e-02	0.28	-5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.64e-03
3	51	67	0.22	-0.33	-0.14	1.82e-02	-0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	1.25e-02
3	51	68	4.14e-02	-0.57	-0.39	-0.14	-0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	-1.31e-02
3	52	5	0.36	-0.40	-0.11	6.37e-02	0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	9.88e-03
3	52	6	0.17	-0.31	-0.15	1.57e-02	0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	-1.25e-02

3	52	7	0.29	-6.43e-02	-6.33e-02	0.29	1.90e-02	-6.71e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.75e-03
3	52	8	8.15e-03	-0.54	-0.39	-0.14	0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	1.30e-02
3	52	19	0.36	-0.17	4.75e-02	0.14	0.26	-2.85e-03	-6.93e-03	-6.46e-03	-3.33e-03	-1.30e-03
3	52	20	0.29	0.11	0.11	0.29	-8.18e-03	-1.80e-04	-5.83e-03	-5.70e-03	-3.04e-04	8.28e-04
3	52	27	0.27	6.64e-03	0.14	0.14	0.13	-2.60e-03	-5.65e-03	-5.51e-03	-2.74e-03	-6.43e-04
3	52	28	0.28	0.21	0.21	0.28	-1.81e-03	3.70e-04	-3.94e-03	-3.92e-03	3.47e-04	3.09e-04
3	52	35	0.16	0.14	0.16	0.14	1.29e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	4.06e-06
3	52	36	0.28	0.25	0.25	0.28	1.29e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	7.30e-06
3	52	43	0.26	7.68e-03	0.14	0.14	-0.13	-2.49e-03	-5.65e-03	-5.51e-03	-2.63e-03	6.50e-04
3	52	44	0.28	0.21	0.21	0.28	3.64e-03	3.75e-04	-3.93e-03	-3.90e-03	3.52e-04	-3.15e-04
3	52	51	0.36	-0.18	4.66e-02	0.14	-0.26	-2.84e-03	-6.89e-03	-6.41e-03	-3.32e-03	1.31e-03
3	52	52	0.29	0.11	0.11	0.29	8.07e-03	-1.79e-04	-5.81e-03	-5.69e-03	-3.00e-04	-8.19e-04
3	52	59	0.36	-0.40	-0.11	6.34e-02	-0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.90e-03
3	52	60	0.29	-6.47e-02	-6.34e-02	0.29	-2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.74e-03
3	52	67	0.18	-0.31	-0.15	1.57e-02	-0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	1.25e-02
3	52	68	1.07e-02	-0.54	-0.39	-0.14	-0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	-1.30e-02
3	53	5	0.40	-0.44	-0.10	6.22e-02	0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	9.98e-03
3	53	6	0.22	-0.34	-0.14	1.82e-02	0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	-1.25e-02
3	53	7	0.29	-7.27e-02	-6.39e-02	0.28	5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.63e-03
3	53	8	4.40e-02	-0.58	-0.39	-0.14	0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	1.31e-02
3	53	19	0.38	-0.21	4.40e-02	0.13	0.29	-2.73e-03	-6.65e-03	-6.12e-03	-3.27e-03	-1.34e-03
3	53	20	0.29	0.10	0.11	0.29	1.88e-02	-1.68e-04	-5.63e-03	-5.52e-03	-2.79e-04	7.73e-04
3	53	27	0.27	-1.45e-02	0.13	0.13	0.14	-2.57e-03	-5.60e-03	-5.45e-03	-2.72e-03	-6.37e-04
3	53	28	0.28	0.21	0.21	0.28	1.08e-02	1.94e-04	-3.87e-03	-3.84e-03	1.66e-04	3.32e-04
3	53	35	0.15	0.13	0.15	0.13	-1.29e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	-4.06e-06
3	53	36	0.28	0.25	0.25	0.28	-1.29e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	-7.30e-06
3	53	43	0.27	-1.56e-02	0.13	0.13	-0.14	-2.68e-03	-5.60e-03	-5.46e-03	-2.82e-03	6.30e-04
3	53	44	0.28	0.21	0.21	0.28	-1.26e-02	1.88e-04	-3.88e-03	-3.85e-03	1.62e-04	-3.27e-04
3	53	51	0.38	-0.21	4.50e-02	0.13	-0.29	-2.75e-03	-6.69e-03	-6.17e-03	-3.27e-03	1.33e-03
3	53	52	0.29	0.11	0.11	0.29	-1.87e-02	-1.69e-04	-5.65e-03	-5.54e-03	-2.83e-04	-7.82e-04
3	53	59	0.39	-0.43	-0.10	6.25e-02	-0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.96e-03
3	53	60	0.29	-7.19e-02	-6.37e-02	0.28	-5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.64e-03
3	53	67	0.22	-0.33	-0.14	1.82e-02	-0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	1.25e-02
3	53	68	4.14e-02	-0.57	-0.39	-0.14	-0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	-1.31e-02
3	54	5	0.36	-0.40	-0.11	6.37e-02	0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	9.89e-03
3	54	6	0.17	-0.31	-0.15	1.57e-02	0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	-1.25e-02
3	54	7	0.29	-6.43e-02	-6.33e-02	0.29	1.90e-02	-6.71e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.75e-03
3	54	8	8.14e-03	-0.54	-0.39	-0.14	0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	1.30e-02
3	54	19	0.36	-0.17	4.73e-02	0.14	0.26	-2.86e-03	-6.94e-03	-6.47e-03	-3.33e-03	-1.31e-03
3	54	20	0.29	0.11	0.11	0.29	-8.20e-03	-1.82e-04	-5.83e-03	-5.70e-03	-3.04e-04	8.23e-04
3	54	27	0.27	6.58e-03	0.14	0.14	0.13	-2.60e-03	-5.66e-03	-5.52e-03	-2.74e-03	-6.46e-04
3	54	28	0.28	0.21	0.21	0.28	-1.84e-03	3.71e-04	-3.94e-03	-3.92e-03	3.47e-04	3.17e-04
3	54	35	0.16	0.14	0.16	0.14	1.24e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	-1.81e-06
3	54	36	0.28	0.25	0.25	0.28	1.24e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	-7.03e-06
3	54	43	0.26	7.75e-03	0.14	0.14	-0.13	-2.49e-03	-5.63e-03	-5.50e-03	-2.63e-03	6.47e-04
3	54	44	0.28	0.21	0.21	0.28	3.62e-03	3.74e-04	-3.92e-03	-3.90e-03	3.52e-04	-3.06e-04
3	54	51	0.36	-0.18	4.67e-02	0.14	-0.26	-2.84e-03	-6.88e-03	-6.40e-03	-3.32e-03	1.31e-03
3	54	52	0.29	0.11	0.11	0.29	8.05e-03	-1.77e-04	-5.81e-03	-5.68e-03	-3.00e-04	-8.24e-04
3	54	59	0.36	-0.40	-0.11	6.34e-02	-0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.90e-03
3	54	60	0.29	-6.47e-02	-6.34e-02	0.29	-2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.74e-03
3	54	67	0.18	-0.31	-0.15	1.57e-02	-0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	1.25e-02
3	54	68	1.07e-02	-0.54	-0.39	-0.14	-0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	-1.30e-02
3	55	5	0.44	-0.47	-9.12e-02	6.14e-02	0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	1.00e-02
3	55	6	0.26	-0.36	-0.12	2.12e-02	0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	-1.25e-02
3	55	7	0.31	-8.71e-02	-6.41e-02	0.28	9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	-9.52e-03
3	55	8	7.78e-02	-0.61	-0.39	-0.14	0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	1.31e-02
3	55	19	0.41	-0.24	4.28e-02	0.12	0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	-1.36e-03
3	55	20	0.29	9.27e-02	0.11	0.28	4.99e-02	-1.59e-04	-5.46e-03	-5.36e-03	-2.61e-04	7.29e-04
3	55	27	0.28	-4.28e-02	0.12	0.12	0.16	-2.90e-03	-5.58e-03	-5.43e-03	-3.05e-03	-6.13e-04
3	55	28	0.29	0.20	0.21	0.27	3.16e-02	-2.64e-05	-3.83e-03	-3.80e-03	-6.00e-05	3.56e-04
3	55	35	0.14	0.12	0.14	0.12	4.20e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	3.73e-06
3	55	36	0.27	0.24	0.24	0.27	4.20e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	-1.05e-06
3	55	43	0.27	-3.92e-02	0.12	0.12	-0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.68e-03	6.24e-04
3	55	44	0.28	0.20	0.21	0.27	-2.56e-02	-1.27e-05	-3.78e-03	-3.75e-03	-4.44e-05	-3.44e-04
3	55	51	0.40	-0.24	4.03e-02	0.12	-0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	1.38e-03
3	55	52	0.29	9.14e-02	0.11	0.28	-5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	-7.20e-04
3	55	59	0.44	-0.47	-9.30e-02	6.04e-02	-0.45	9.57e-03	-2.37e-02	-2.03e-02	6.16e-03	1.01e-02
3	55	60	0.31	-9.11e-02	-6.46e-02	0.28	-9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	9.48e-03
3	55	67	0.27	-0.37	-0.12	2.10e-02	-0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	1.25e-02
3	55	68	8.69e-02	-0.62	-0.39	-0.14	-0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	-1.31e-02
3	56	5	0.32	-0.37	-0.12	6.46e-02	0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	9.83e-03
3	56	6	0.13	-0.29	-0.17	1.27e-02	0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	-1.26e-02
3	56	7	0.29	-6.39e-02	-6.30e-02	0.29	-1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.85e-03
3	56	8	-2.39e-02	-0.51	-0.39	-0.14	0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	1.29e-02
3	56	19	0.33	-0.14	4.88e-02	0.14	0.23	-2.93e-03	-7.12e-03	-6.68e-03	-3.37e-03	-1.28e-03
3	56	20	0.31	0.10	0.11	0.30	-3.93e-02	-1.88e-04	-5.99e-03	-5.86e-03	-3.22e-04	8.71e-04
3	56	27	0.25	3.49e-02	0.15	0.14	0.11	-2.26e-03	-5.67e-03	-5.54e-03	-2.40e-03	-6.68e-04

3	56	28	0.30	0.21	0.21	0.29	-2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	2.88e-04
3	56	35	0.18	0.15	0.18	0.15	-4.21e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	-5.23e-06
3	56	36	0.29	0.25	0.25	0.29	-4.21e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	-3.75e-06
3	56	43	0.26	3.12e-02	0.15	0.15	-0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	6.55e-04
3	56	44	0.30	0.21	0.21	0.29	1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	-2.94e-04
3	56	51	0.34	-0.14	5.12e-02	0.15	-0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	1.26e-03
3	56	52	0.31	0.10	0.11	0.30	3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.33e-04	-8.82e-04
3	56	59	0.31	-0.36	-0.12	6.55e-02	-0.33	9.32e-03	-2.35e-02	-2.03e-02	6.09e-03	-9.78e-03
3	56	60	0.29	-6.42e-02	-6.25e-02	0.29	2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.89e-03
3	56	67	0.13	-0.28	-0.16	1.29e-02	-0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	1.26e-02
3	56	68	-3.22e-02	-0.50	-0.39	-0.14	-0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	-1.29e-02
3	57	5	0.44	-0.47	-9.12e-02	6.14e-02	0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	1.00e-02
3	57	6	0.26	-0.36	-0.12	2.12e-02	0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	-1.25e-02
3	57	7	0.31	-8.71e-02	-6.41e-02	0.28	9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	-9.53e-03
3	57	8	7.78e-02	-0.61	-0.39	-0.14	0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	1.31e-02
3	57	19	0.41	-0.24	4.27e-02	0.12	0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	-1.36e-02
3	57	20	0.29	9.27e-02	0.11	0.28	4.99e-02	-1.59e-04	-5.46e-03	-5.36e-03	-2.61e-04	7.30e-04
3	57	27	0.28	-4.28e-02	0.12	0.12	0.16	-2.90e-03	-5.58e-03	-5.43e-03	-3.05e-03	-6.12e-04
3	57	28	0.29	0.20	0.21	0.27	3.16e-02	-2.69e-05	-3.83e-03	-3.80e-03	-6.00e-05	3.53e-04
3	57	35	0.14	0.12	0.14	0.12	4.21e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	5.23e-06
3	57	36	0.27	0.24	0.24	0.27	4.21e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	3.75e-06
3	57	43	0.27	-3.92e-02	0.12	0.12	-0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.68e-03	6.25e-04
3	57	44	0.28	0.20	0.21	0.27	-2.56e-02	-1.21e-05	-3.78e-03	-3.75e-03	-4.43e-05	-3.47e-04
3	57	51	0.40	-0.24	4.03e-02	0.12	-0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	1.38e-03
3	57	52	0.29	9.14e-02	0.11	0.28	-5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	-7.19e-04
3	57	59	0.44	-0.47	-9.29e-02	6.04e-02	-0.45	9.57e-03	-2.37e-02	-2.03e-02	6.17e-03	-1.01e-02
3	57	60	0.31	-9.11e-02	-6.46e-02	0.28	-9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	9.48e-03
3	57	67	0.27	-0.37	-0.12	2.10e-02	-0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	1.25e-02
3	57	68	8.69e-02	-0.62	-0.39	-0.14	-0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	-1.31e-02
3	58	5	0.32	-0.37	-0.12	6.46e-02	0.33	9.36e-03	-2.35e-02	-2.03e-02	6.10e-03	9.83e-03
3	58	6	0.13	-0.29	-0.17	1.27e-02	0.19	7.71e-02	1.67e-02	7.43e-02	1.95e-02	-1.26e-02
3	58	7	0.29	-6.39e-02	-6.30e-02	0.29	-1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.85e-03
3	58	8	-2.39e-02	-0.51	-0.39	-0.14	0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	1.30e-02
3	58	19	0.33	-0.14	4.87e-02	0.14	0.23	-2.93e-03	-7.12e-03	-6.68e-03	-3.37e-03	-1.28e-03
3	58	20	0.31	0.10	0.11	0.30	-3.93e-02	-1.87e-04	-6.00e-03	-5.86e-03	-3.22e-04	8.72e-04
3	58	27	0.25	3.48e-02	0.15	0.14	0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	-6.67e-04
3	58	28	0.30	0.21	0.21	0.29	-2.26e-02	5.91e-04	-3.98e-03	-3.96e-03	5.74e-04	2.88e-04
3	58	35	0.18	0.15	0.18	0.15	-4.20e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	-3.73e-06
3	58	36	0.29	0.25	0.25	0.29	-4.20e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	1.05e-06
3	58	43	0.26	3.13e-02	0.15	0.15	-0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	6.56e-04
3	58	44	0.30	0.21	0.21	0.29	1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	-2.97e-04
3	58	51	0.34	-0.14	5.13e-02	0.15	-0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	1.26e-03
3	58	52	0.31	0.10	0.11	0.30	3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.33e-04	-8.81e-04
3	58	59	0.31	-0.36	-0.12	6.55e-02	-0.33	9.32e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.78e-03
3	58	60	0.29	-6.42e-02	-6.25e-02	0.29	2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.89e-03
3	58	67	0.13	-0.28	-0.16	1.29e-02	-0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	1.26e-02
3	58	68	-3.22e-02	-0.50	-0.39	-0.14	-0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	-1.29e-02
3	59	5	0.44	-0.47	-9.12e-02	6.14e-02	0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	1.00e-02
3	59	6	0.26	-0.36	-0.12	2.12e-02	0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	-1.25e-02
3	59	7	0.31	-8.71e-02	-6.41e-02	0.28	9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	-9.52e-03
3	59	8	7.78e-02	-0.61	-0.39	-0.14	0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	1.31e-02
3	59	19	0.41	-0.24	4.28e-02	0.12	0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	-1.36e-02
3	59	20	0.29	9.27e-02	0.11	0.28	4.99e-02	-1.59e-04	-5.46e-03	-5.36e-03	-2.61e-04	7.30e-04
3	59	27	0.28	-4.28e-02	0.12	0.12	0.16	-2.90e-03	-5.57e-03	-5.43e-03	-3.05e-03	-6.12e-04
3	59	28	0.29	0.20	0.21	0.27	3.16e-02	-2.68e-05	-3.83e-03	-3.80e-03	-6.00e-05	3.53e-04
3	59	35	0.14	0.12	0.14	0.12	4.21e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	5.36e-06
3	59	36	0.27	0.24	0.24	0.27	4.21e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	3.50e-06
3	59	43	0.27	-3.92e-02	0.12	0.12	-0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.68e-03	6.25e-04
3	59	44	0.28	0.20	0.21	0.27	-2.56e-02	-1.22e-05	-3.78e-03	-3.75e-03	-4.44e-05	-3.47e-04
3	59	51	0.40	-0.24	4.03e-02	0.12	-0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	1.38e-03
3	59	52	0.29	9.14e-02	0.11	0.28	-5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.51e-04	-7.19e-04
3	59	59	0.44	-0.47	-9.30e-02	6.04e-02	-0.45	9.57e-03	-2.37e-02	-2.03e-02	6.16e-03	-1.01e-02
3	59	60	0.31	-9.11e-02	-6.46e-02	0.28	-9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	9.48e-03
3	59	67	0.27	-0.37	-0.12	2.10e-02	-0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	1.25e-02
3	59	68	8.69e-02	-0.62	-0.39	-0.14	-0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	-1.31e-02
3	60	5	0.32	-0.37	-0.12	6.46e-02	0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	9.83e-03
3	60	6	0.13	-0.29	-0.17	1.27e-02	0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	-1.26e-02
3	60	7	0.29	-6.39e-02	-6.30e-02	0.29	-1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.85e-03
3	60	8	-2.39e-02	-0.51	-0.39	-0.14	0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	1.30e-02
3	60	19	0.33	-0.14	4.88e-02	0.14	0.23	-2.93e-03	-7.12e-03	-6.68e-03	-3.37e-03	-1.28e-03
3	60	20	0.31	0.10	0.11	0.30	-3.93e-02	-1.87e-04	-6.00e-03	-5.86e-03	-3.22e-04	8.72e-04
3	60	27	0.25	3.49e-02	0.15	0.14	0.11	-2.26e-03	-5.67e-03	-5.54e-03	-2.40e-03	-6.67e-04
3	60	28	0.30	0.21	0.21	0.29	-2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	2.85e-04
3	60	35	0.18	0.15	0.18	0.15	-4.20e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	-3.60e-06
3	60	36	0.29	0.25	0.25	0.29	-4.20e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	1.05e-06
3	60	43	0.26	3.13e-02	0.15	0.15	-0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	6.56e-04
3	60	44	0.30	0.21	0.21	0.29	1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	-2.97e-04

3	60	51	0.34	-0.14	5.12e-02	0.15	-0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	1.26e-03
3	60	52	0.31	0.10	0.11	0.30	3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.33e-04	-8.81e-04
3	60	59	0.31	-0.36	-0.12	6.55e-02	-0.33	9.32e-03	-2.35e-02	-2.03e-02	6.09e-03	-9.78e-03
3	60	60	0.29	-6.42e-02	-6.25e-02	0.29	2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.89e-03
3	60	67	0.13	-0.28	-0.16	1.29e-02	-0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	1.26e-02
3	60	68	-3.22e-02	-0.50	-0.39	-0.14	-0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	-1.29e-02
3	61	5	0.44	-0.47	-9.12e-02	6.14e-02	0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	1.00e-02
3	61	6	0.26	-0.36	-0.12	2.12e-02	0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	-1.25e-02
3	61	7	0.31	-8.71e-02	-6.41e-02	0.28	9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	-9.52e-03
3	61	8	7.78e-02	-0.61	-0.39	-0.14	0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	1.31e-02
3	61	19	0.41	-0.24	4.27e-02	0.12	0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	-1.36e-03
3	61	20	0.29	9.27e-02	0.11	0.28	4.99e-02	-1.59e-04	-5.46e-03	-5.36e-03	-2.61e-04	7.29e-04
3	61	27	0.28	-4.28e-02	0.12	0.12	0.16	-2.90e-03	-5.58e-03	-5.43e-03	-3.05e-03	-6.13e-04
3	61	28	0.29	0.20	0.21	0.27	3.16e-02	-2.65e-05	-3.83e-03	-3.80e-03	-6.01e-05	3.56e-04
3	61	35	0.14	0.12	0.14	0.12	4.20e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	3.60e-06
3	61	36	0.27	0.24	0.24	0.27	4.20e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	
3	61	43	0.27	-3.92e-02	0.12	0.12	-0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.68e-03	6.24e-04
3	61	44	0.28	0.20	0.21	0.27	-2.56e-02	-1.26e-05	-3.78e-03	-3.75e-03	-4.43e-05	-3.44e-04
3	61	51	0.40	-0.24	4.03e-02	0.12	-0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	1.38e-03
3	61	52	0.29	9.14e-02	0.11	0.28	-5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	-7.20e-04
3	61	59	0.44	-0.47	-9.29e-02	6.04e-02	-0.45	9.57e-03	-2.37e-02	-2.03e-02	6.17e-03	-1.01e-02
3	61	60	0.31	-9.11e-02	-6.46e-02	0.28	-9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	9.48e-03
3	61	67	0.27	-0.37	-0.12	2.10e-02	-0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	1.25e-02
3	61	68	8.69e-02	-0.62	-0.39	-0.14	-0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	-1.31e-02
3	62	5	0.32	-0.37	-0.12	6.46e-02	0.33	9.37e-03	-2.35e-02	-2.03e-02	6.10e-03	9.83e-03
3	62	6	0.13	-0.29	-0.17	1.27e-02	0.19	7.71e-02	1.67e-02	7.43e-02	1.95e-02	-1.26e-02
3	62	7	0.29	-6.39e-02	-6.30e-02	0.29	-1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.85e-03
3	62	8	-2.39e-02	-0.51	-0.39	-0.14	0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	1.29e-02
3	62	19	0.33	-0.14	4.87e-02	0.14	0.23	-2.93e-03	-7.12e-03	-6.68e-03	-3.37e-03	-1.28e-03
3	62	20	0.31	0.10	0.11	0.30	-3.93e-02	-1.88e-04	-6.00e-03	-5.86e-03	-3.22e-04	8.71e-04
3	62	27	0.25	3.49e-02	0.15	0.14	0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	-6.68e-04
3	62	28	0.30	0.21	0.21	0.29	-2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	2.88e-04
3	62	35	0.18	0.15	0.18	0.15	-4.21e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	-5.36e-06
3	62	36	0.29	0.25	0.25	0.29	-4.21e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	-3.50e-06
3	62	43	0.26	3.13e-02	0.15	0.15	-0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	6.55e-04
3	62	44	0.30	0.21	0.21	0.29	1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	-2.94e-04
3	62	51	0.34	-0.14	5.13e-02	0.15	-0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	1.26e-03
3	62	52	0.31	0.10	0.11	0.30	3.97e-02	-1.96e-04	-6.06e-03	-5.92e-03	-3.32e-04	-8.82e-04
3	62	59	0.31	-0.36	-0.12	6.55e-02	-0.33	9.32e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.78e-03
3	62	60	0.29	-6.42e-02	-6.25e-02	0.29	2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.89e-03
3	62	67	0.13	-0.28	-0.16	1.29e-02	-0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	1.26e-02
3	62	68	-3.22e-02	-0.50	-0.39	-0.14	-0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	-1.29e-02
3	63	5	0.44	-0.47	-9.29e-02	6.05e-02	0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	1.01e-02
3	63	6	0.27	-0.37	-0.12	2.10e-02	0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	-1.25e-02
3	63	7	0.31	-9.10e-02	-6.45e-02	0.28	9.92e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	-9.48e-03
3	63	8	8.69e-02	-0.62	-0.39	-0.14	0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	1.31e-02
3	63	19	0.40	-0.24	4.03e-02	0.12	0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	-1.38e-03
3	63	20	0.29	9.14e-02	0.11	0.28	5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	7.17e-04
3	63	27	0.28	-3.91e-02	0.12	0.12	0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.69e-03	-6.26e-04
3	63	28	0.28	0.20	0.21	0.27	2.56e-02	-1.23e-05	-3.78e-03	-3.75e-03	-4.45e-05	3.47e-04
3	63	35	0.14	0.12	0.14	0.12	-4.23e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	-4.50e-06
3	63	36	0.27	0.24	0.24	0.27	-4.23e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	-2.85e-06
3	63	43	0.28	-4.29e-02	0.12	0.12	-0.16	-2.91e-03	-5.57e-03	-5.43e-03	-3.05e-03	6.11e-04
3	63	44	0.29	0.20	0.21	0.27	-3.16e-02	-2.75e-05	-3.83e-03	-3.80e-03	-6.06e-05	-3.53e-04
3	63	51	0.41	-0.24	4.28e-02	0.12	-0.32	-2.65e-03	-6.48e-03	-5.91e-03	-3.22e-03	1.36e-03
3	63	52	0.29	9.27e-02	0.11	0.28	-4.99e-02	-1.60e-04	-5.46e-03	-5.36e-03	-2.63e-04	-7.31e-04
3	63	59	0.44	-0.47	-9.12e-02	6.14e-02	-0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	-1.00e-02
3	63	60	0.31	-8.70e-02	-6.40e-02	0.28	-9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	9.53e-03
3	63	67	0.26	-0.36	-0.12	2.12e-02	-0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	1.25e-02
3	63	68	7.79e-02	-0.61	-0.39	-0.14	-0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	-1.31e-02
3	64	5	0.31	-0.36	-0.12	6.54e-02	0.33	9.33e-03	-2.35e-02	-2.03e-02	6.10e-03	9.78e-03
3	64	6	0.13	-0.28	-0.16	1.29e-02	0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	-1.26e-02
3	64	7	0.29	-6.42e-02	-6.26e-02	0.29	-2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.89e-03
3	64	8	-3.22e-02	-0.50	-0.39	-0.14	0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
3	64	19	0.34	-0.14	5.13e-02	0.15	0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	-1.27e-03
3	64	20	0.31	0.10	0.11	0.30	-3.97e-02	-1.97e-04	-6.05e-03	-5.92e-03	-3.33e-04	8.82e-04
3	64	27	0.26	3.13e-02	0.15	0.15	0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	-6.55e-04
3	64	28	0.30	0.21	0.21	0.29	-1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	2.97e-04
3	64	35	0.18	0.15	0.18	0.15	4.22e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	3.00e-06
3	64	36	0.29	0.25	0.25	0.29	4.22e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	-1.95e-06
3	64	43	0.25	3.49e-02	0.14	0.14	-0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	6.68e-04
3	64	44	0.30	0.21	0.21	0.29	2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	-2.86e-04
3	64	51	0.33	-0.14	4.87e-02	0.14	-0.23	-2.93e-03	-7.11e-03	-6.68e-03	-3.37e-03	1.28e-03
3	64	52	0.31	0.10	0.11	0.30	3.93e-02	-1.87e-04	-5.99e-03	-5.86e-03	-3.20e-04	-8.71e-04
3	64	59	0.32	-0.37	-0.12	6.45e-02	-0.33	9.36e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.83e-03
3	64	60	0.29	-6.39e-02	-6.31e-02	0.29	1.71e-02	-6.62e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.85e-03
3	64	67	0.13	-0.29	-0.17	1.27e-02	-0.19	7.71e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02

3	64	68	-2.40e-02	-0.51	-0.39	-0.14	-0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	-1.30e-02
3	65	5	0.44	-0.47	-9.29e-02	6.05e-02	0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	1.01e-02
3	65	6	0.27	-0.37	-0.12	2.10e-02	0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	-1.25e-02
3	65	7	0.31	-9.11e-02	-6.45e-02	0.28	9.92e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	-9.48e-03
3	65	8	8.69e-02	-0.62	-0.39	-0.14	0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	1.31e-02
3	65	19	0.40	-0.24	4.02e-02	0.12	0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	-1.38e-03
3	65	20	0.29	9.14e-02	0.11	0.28	5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	7.19e-04
3	65	27	0.27	-3.92e-02	0.12	0.12	0.16	-2.55e-03	-5.51e-03	-5.38e-03	-2.69e-03	-6.25e-04
3	65	28	0.28	0.20	0.21	0.27	2.56e-02	-1.29e-05	-3.78e-03	-3.75e-03	-4.45e-05	3.44e-04
3	65	35	0.14	0.12	0.14	0.12	-4.22e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	-3.00e-06
3	65	36	0.27	0.24	0.24	0.27	-4.22e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	1.95e-06
3	65	43	0.28	-4.28e-02	0.12	0.12	-0.16	-2.91e-03	-5.57e-03	-5.42e-03	-3.05e-03	6.12e-04
3	65	44	0.29	0.20	0.21	0.27	-3.16e-02	-2.70e-05	-3.83e-03	-3.80e-03	-6.05e-05	-3.56e-04
3	65	51	0.41	-0.24	4.28e-02	0.12	-0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	1.37e-03
3	65	52	0.29	9.27e-02	0.11	0.28	-4.99e-02	-1.60e-04	-5.46e-03	-5.36e-03	-2.63e-04	-7.30e-04
3	65	59	0.44	-0.47	-9.11e-02	6.14e-02	-0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	-1.00e-02
3	65	60	0.31	-8.70e-02	-6.40e-02	0.28	-9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	9.52e-03
3	65	67	0.26	-0.36	-0.12	2.12e-02	-0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	1.25e-02
3	65	68	7.79e-02	-0.61	-0.39	-0.14	-0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	-1.31e-02
3	66	5	0.31	-0.36	-0.12	6.54e-02	0.33	9.32e-03	-2.35e-02	-2.03e-02	6.10e-03	9.78e-03
3	66	6	0.13	-0.28	-0.16	1.29e-02	0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	-1.26e-02
3	66	7	0.29	-6.42e-02	-6.26e-02	0.29	-2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.89e-03
3	66	8	-3.22e-02	-0.50	-0.39	-0.14	0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
3	66	19	0.34	-0.14	5.12e-02	0.15	0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	-1.26e-03
3	66	20	0.31	0.10	0.11	0.30	-3.97e-02	-1.97e-04	-6.05e-03	-5.92e-03	-3.33e-04	8.83e-04
3	66	27	0.26	3.12e-02	0.15	0.15	0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	-6.54e-04
3	66	28	0.30	0.21	0.21	0.29	-1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	2.95e-04
3	66	35	0.18	0.15	0.18	0.15	4.23e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	4.50e-06
3	66	36	0.29	0.25	0.25	0.29	4.23e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	2.85e-06
3	66	43	0.25	3.49e-02	0.15	0.14	-0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	6.69e-04
3	66	44	0.30	0.21	0.21	0.29	2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	-2.88e-04
3	66	51	0.33	-0.14	4.88e-02	0.14	-0.23	-2.93e-03	-7.11e-03	-6.67e-03	-3.37e-03	1.28e-03
3	66	52	0.31	0.10	0.11	0.30	3.93e-02	-1.87e-04	-5.99e-03	-5.86e-03	-3.20e-04	-8.70e-04
3	66	59	0.32	-0.37	-0.12	6.46e-02	-0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	-9.83e-03
3	66	60	0.29	-6.39e-02	-6.31e-02	0.29	1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.85e-03
3	66	67	0.13	-0.29	-0.17	1.27e-02	-0.19	7.71e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02
3	66	68	-2.39e-02	-0.51	-0.39	-0.14	-0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	-1.29e-02
3	67	5	0.44	-0.47	-9.29e-02	6.05e-02	0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	1.01e-02
3	67	6	0.27	-0.37	-0.12	2.10e-02	0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	-1.25e-02
3	67	7	0.31	-9.11e-02	-6.45e-02	0.28	9.92e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	-9.48e-03
3	67	8	8.69e-02	-0.62	-0.39	-0.14	0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	1.31e-02
3	67	19	0.40	-0.24	4.03e-02	0.12	0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	-1.38e-03
3	67	20	0.29	9.14e-02	0.11	0.28	5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	7.19e-04
3	67	27	0.28	-3.91e-02	0.12	0.12	0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.69e-03	-6.25e-04
3	67	28	0.28	0.20	0.21	0.27	2.56e-02	-1.28e-05	-3.78e-03	-3.75e-03	-4.44e-05	3.44e-04
3	67	35	0.14	0.12	0.14	0.12	-4.22e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	-2.87e-06
3	67	36	0.27	0.24	0.24	0.27	-4.22e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	1.70e-06
3	67	43	0.28	-4.29e-02	0.12	0.12	-0.16	-2.91e-03	-5.57e-03	-5.43e-03	-3.05e-03	6.12e-04
3	67	44	0.29	0.20	0.21	0.27	-3.16e-02	-2.70e-05	-3.83e-03	-3.80e-03	-6.06e-05	-3.56e-04
3	67	51	0.41	-0.24	4.28e-02	0.12	-0.32	-2.65e-03	-6.48e-03	-5.90e-03	-3.22e-03	1.37e-03
3	67	52	0.29	9.27e-02	0.11	0.28	-4.99e-02	-1.60e-04	-5.46e-03	-5.36e-03	-2.63e-04	-7.30e-04
3	67	59	0.44	-0.47	-9.12e-02	6.14e-02	-0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	-1.00e-02
3	67	60	0.31	-8.70e-02	-6.40e-02	0.28	-9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	9.52e-03
3	67	67	0.26	-0.36	-0.12	2.12e-02	-0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	1.25e-02
3	67	68	7.79e-02	-0.61	-0.39	-0.14	-0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	-1.31e-02
3	68	5	0.31	-0.36	-0.12	6.54e-02	0.33	9.33e-03	-2.35e-02	-2.03e-02	6.10e-03	9.78e-03
3	68	6	0.13	-0.28	-0.16	1.29e-02	0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	-1.26e-02
3	68	7	0.29	-6.42e-02	-6.26e-02	0.29	-2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.89e-03
3	68	8	-3.22e-02	-0.50	-0.39	-0.14	0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
3	68	19	0.34	-0.14	5.13e-02	0.15	0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	-1.26e-03
3	68	20	0.31	0.10	0.11	0.30	-3.97e-02	-1.96e-04	-6.05e-03	-5.92e-03	-3.33e-04	8.83e-04
3	68	27	0.26	3.12e-02	0.15	0.15	0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	-6.54e-04
3	68	28	0.30	0.21	0.21	0.29	-1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	2.95e-04
3	68	35	0.18	0.15	0.18	0.15	4.23e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	4.63e-06
3	68	36	0.29	0.25	0.25	0.29	4.23e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	2.60e-06
3	68	43	0.25	3.49e-02	0.14	0.14	-0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	6.69e-04
3	68	44	0.30	0.21	0.21	0.29	2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	-2.88e-04
3	68	51	0.33	-0.14	4.87e-02	0.14	-0.23	-2.93e-03	-7.12e-03	-6.68e-03	-3.37e-03	1.28e-03
3	68	52	0.31	0.10	0.11	0.30	3.93e-02	-1.87e-04	-5.99e-03	-5.86e-03	-3.20e-04	-8.70e-04
3	68	59	0.32	-0.37	-0.12	6.46e-02	-0.33	9.37e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.83e-03
3	68	60	0.29	-6.39e-02	-6.31e-02	0.29	1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.85e-03
3	68	67	0.13	-0.29	-0.17	1.27e-02	-0.19	7.71e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02
3	68	68	-2.40e-02	-0.51	-0.39	-0.14	-0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	-1.29e-02
3	69	5	0.44	-0.47	-9.29e-02	6.05e-02	0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	1.01e-02
3	69	6	0.27	-0.37	-0.12	2.10e-02	0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	-1.25e-02
3	69	7	0.31	-9.11e-02	-6.45e-02	0.28	9.92e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	-9.48e-03
3	69	8	8.69e-02	-0.62	-0.39	-0.14	0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	1.31e-02

3	69	19	0.40	-0.24	4.02e-02	0.12	0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	-1.38e-03
3	69	20	0.29	9.14e-02	0.11	0.28	5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	7.18e-04
3	69	27	0.27	-3.92e-02	0.12	0.12	0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.69e-03	-6.26e-04
3	69	28	0.28	0.20	0.21	0.27	2.56e-02	-1.24e-05	-3.78e-03	-3.75e-03	-4.45e-05	3.46e-04
3	69	35	0.14	0.12	0.14	0.12	-4.23e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	-4.63e-06
3	69	36	0.27	0.24	0.24	0.27	-4.23e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	-2.60e-06
3	69	43	0.28	-4.28e-02	0.12	0.12	-0.16	-2.91e-03	-5.57e-03	-5.42e-03	-3.05e-03	6.11e-04
3	69	44	0.29	0.20	0.21	0.27	-3.16e-02	-2.74e-05	-3.83e-03	-3.79e-03	-6.05e-05	-3.53e-04
3	69	51	0.41	-0.24	4.28e-02	0.12	-0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	1.36e-03
3	69	52	0.29	9.27e-02	0.11	0.28	-4.99e-02	-1.60e-04	-5.46e-03	-5.36e-03	-2.63e-04	-7.31e-04
3	69	59	0.44	-0.47	-9.12e-02	6.14e-02	-0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	-1.00e-02
3	69	60	0.31	-8.70e-02	-6.40e-02	0.28	-9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	9.52e-03
3	69	67	0.26	-0.36	-0.12	2.12e-02	-0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	1.25e-02
3	69	68	7.79e-02	-0.61	-0.39	-0.14	-0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	-1.31e-02
3	70	5	0.31	-0.36	-0.12	6.54e-02	0.33	9.32e-03	-2.35e-02	-2.03e-02	6.10e-03	9.78e-03
3	70	6	0.13	-0.28	-0.16	1.29e-02	0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	-1.26e-02
3	70	7	0.29	-6.42e-02	-6.26e-02	0.29	-2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.89e-03
3	70	8	-3.22e-02	-0.50	-0.39	-0.14	0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
3	70	19	0.34	-0.14	5.12e-02	0.15	0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	-1.27e-03
3	70	20	0.31	0.10	0.11	0.30	-3.97e-02	-1.97e-04	-6.05e-03	-5.32e-03	-3.33e-04	8.82e-04
3	70	27	0.26	3.12e-02	0.15	0.15	0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	-6.55e-04
3	70	28	0.30	0.21	0.21	0.29	-1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	2.97e-04
3	70	35	0.18	0.15	0.18	0.15	4.22e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	2.87e-04
3	70	36	0.29	0.25	0.25	0.29	4.22e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	-1.70e-06
3	70	43	0.25	3.49e-02	0.15	0.14	-0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	6.68e-04
3	70	44	0.30	0.21	0.21	0.29	2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	-2.86e-04
3	70	51	0.33	-0.14	4.87e-02	0.14	-0.23	-2.93e-03	-7.11e-03	-6.68e-03	-3.37e-03	1.28e-03
3	70	52	0.31	0.10	0.11	0.30	3.93e-02	-1.86e-04	-5.99e-03	-5.86e-03	-3.20e-04	-8.71e-04
3	70	59	0.32	-0.37	-0.12	6.46e-02	-0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	-9.83e-03
3	70	60	0.29	-6.39e-02	-6.31e-02	0.29	1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.85e-03
3	70	67	0.13	-0.29	-0.17	1.27e-02	-0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02
3	70	68	-2.39e-02	-0.51	-0.39	-0.14	-0.21	8.00e-02	1.07e-02	7.74e-02	1.32e-02	-1.30e-02
3	71	5	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
3	71	6	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
3	71	7	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
3	71	8	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
3	71	19	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
3	71	20	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
3	71	27	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
3	71	28	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
3	71	35	0.16	0.13	0.16	0.13	-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	-2.76e-03	-2.76e-03
3	71	36	0.28	0.25	0.25	0.28	4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	4.47e-04	4.47e-04
3	71	43	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
3	71	44	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
3	71	51	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
3	71	52	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
3	71	59	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
3	71	60	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
3	71	67	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
3	71	68	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
3	72	5	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
3	72	6	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
3	72	7	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
3	72	8	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
3	72	19	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
3	72	20	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
3	72	27	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
3	72	28	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
3	72	35	0.16	0.13	0.16	0.13	-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	-2.76e-03	-2.76e-03
3	72	36	0.28	0.25	0.25	0.28	4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	4.47e-04	4.47e-04
3	72	43	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
3	72	44	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
3	72	51	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
3	72	52	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
3	72	59	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
3	72	60	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
3	72	67	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
3	72	68	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
3	73	5	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
3	73	6	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
3	73	7	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
3	73	8	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
3	73	19	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
3	73	20	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
3	73	27	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
3	73	28	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
3	73	35	0.16	0.13	0.16	0.13	-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	-2.76e-03	-2.76e-03

3	73	36	0.28	0.25	0.25	0.28	4.47e-04	-3.71e-03	-3.71e-03	4.47e-04		
3	73	43	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
3	73	44	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
3	73	51	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
3	73	52	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
3	73	59	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
3	73	60	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
3	73	67	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
3	73	68	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
3	74	5	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
3	74	6	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
3	74	7	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
3	74	8	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
3	74	19	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
3	74	20	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
3	74	27	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
3	74	28	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
3	74	35	0.16	0.13	0.16	0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
3	74	36	0.28	0.25	0.25	0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
3	74	43	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
3	74	44	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
3	74	51	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
3	74	52	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
3	74	59	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
3	74	60	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
3	74	67	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
3	74	68	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
3	75	5	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
3	75	6	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
3	75	7	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
3	75	8	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
3	75	19	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
3	75	20	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
3	75	27	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
3	75	28	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
3	75	35	0.16	0.13	0.16	0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
3	75	36	0.28	0.25	0.25	0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
3	75	43	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
3	75	44	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
3	75	51	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
3	75	52	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
3	75	59	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
3	75	60	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
3	75	67	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
3	75	68	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
3	76	5	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
3	76	6	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
3	76	7	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
3	76	8	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
3	76	19	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
3	76	20	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
3	76	27	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
3	76	28	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
3	76	35	0.16	0.13	0.16	0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
3	76	36	0.28	0.25	0.25	0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
3	76	43	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
3	76	44	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
3	76	51	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
3	76	52	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
3	76	59	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
3	76	60	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
3	76	67	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
3	76	68	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
	111.31	-18.95	-1.32	-4.58	-25.83	14.35	-6.74	-6.72	-1.36	-0.97
			19.74	110.70	25.83			14.27	2.85	0.97

Macro	Tipo	Angolo 1-X (gradi)
4	Guscio	0.0

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
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			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
4	1	7	0.38	-8.78e-02	-8.26e-02	0.37	-4.88e-02	-8.79e-03	-4.20e-02	-3.62e-02	-1.46e-02	1.26e-02	
4	1	8	3.38e-02	-0.72	-0.50	-0.19	-0.34	0.10	1.36e-02	9.96e-02	1.70e-02	-1.69e-02	
4	1	9	0.49	-0.54	-0.14	8.18e-02	-0.51	1.23e-02	-3.07e-02	-2.64e-02	7.97e-03	-1.29e-02	
4	1	10	0.25	-0.42	-0.19	2.20e-02	-0.32	9.86e-02	2.14e-02	9.50e-02	2.50e-02	1.63e-02	
4	1	20	0.38	0.14	0.14	0.38	-6.91e-03	-2.26e-04	-7.45e-03	-7.29e-03	-3.79e-04	-1.04e-03	
4	1	21	0.48	-0.25	5.95e-02	0.17	-0.36	-3.63e-03	-8.83e-03	-8.18e-03	-4.28e-03	1.72e-03	
4	1	28	0.37	0.27	0.28	0.37	-5.85e-03	3.66e-04	-5.07e-03	-5.04e-03	3.34e-04	-4.17e-04	
4	1	29	0.35	-5.14e-03	0.17	0.17	-0.18	-3.36e-03	-7.31e-03	-7.13e-03	-3.54e-03	8.32e-04	
4	1	36	0.36	0.32	0.32	0.36		5.82e-04	-4.83e-03	-4.83e-03	5.82e-04		
4	1	37	0.21	0.17	0.21	0.17		-3.59e-03	-7.21e-03	-7.21e-03	-3.59e-03		
4	1	44	0.37	0.27	0.28	0.37	5.85e-03	3.66e-04	-5.07e-03	-5.04e-03	3.34e-04	4.17e-04	
4	1	45	0.35	-5.14e-03	0.17	0.17	0.18	-3.36e-03	-7.31e-03	-7.13e-03	-3.54e-03	-8.32e-04	
4	1	52	0.38	0.14	0.14	0.38	6.91e-03	-2.26e-04	-7.45e-03	-7.29e-03	-3.79e-04	1.04e-03	
4	1	53	0.48	-0.25	5.95e-02	0.17	0.36	-3.63e-03	-8.83e-03	-8.18e-03	-4.28e-03	-1.72e-03	
4	1	60	0.38	-8.78e-02	-8.26e-02	0.37	4.88e-02	-8.79e-03	-4.20e-02	-3.62e-02	-1.46e-02	-1.26e-02	
4	1	61	0.49	-0.54	-0.14	8.18e-02	0.51	1.23e-02	-3.07e-02	-2.64e-02	7.97e-03	1.29e-02	
4	1	68	3.38e-02	-0.72	-0.50	-0.19	0.34	0.10	1.36e-02	9.96e-02	1.70e-02	1.69e-02	
4	1	69	0.25	-0.42	-0.19	2.20e-02	0.32	9.86e-02	2.14e-02	9.50e-02	2.50e-02	-1.63e-02	
4	2	7	0.38	-8.78e-02	-8.26e-02	0.37	-4.88e-02	-8.79e-03	-4.20e-02	-3.62e-02	-1.46e-02	1.26e-02	
4	2	8	3.38e-02	-0.72	-0.50	-0.19	-0.34	0.10	1.36e-02	9.96e-02	1.70e-02	-1.69e-02	
4	2	9	0.49	-0.54	-0.14	8.18e-02	-0.51	1.23e-02	-3.07e-02	-2.64e-02	7.97e-03	-1.29e-02	
4	2	10	0.25	-0.42	-0.19	2.20e-02	-0.32	9.86e-02	2.14e-02	9.50e-02	2.50e-02	1.63e-02	
4	2	20	0.38	0.14	0.14	0.38	-6.91e-03	-2.26e-04	-7.45e-03	-7.29e-03	-3.79e-04	-1.04e-03	
4	2	21	0.48	-0.25	5.95e-02	0.17	-0.36	-3.63e-03	-8.83e-03	-8.18e-03	-4.28e-03	1.72e-03	
4	2	28	0.37	0.27	0.28	0.37	-5.85e-03	3.66e-04	-5.07e-03	-5.04e-03	3.34e-04	-4.17e-04	
4	2	29	0.35	-5.14e-03	0.17	0.17	-0.18	-3.36e-03	-7.31e-03	-7.13e-03	-3.54e-03	8.32e-04	
4	2	36	0.36	0.32	0.32	0.36		5.82e-04	-4.83e-03	-4.83e-03	5.82e-04		
4	2	37	0.21	0.17	0.21	0.17		-3.59e-03	-7.21e-03	-7.21e-03	-3.59e-03		
4	2	44	0.37	0.27	0.28	0.37	5.85e-03	3.66e-04	-5.07e-03	-5.04e-03	3.34e-04	4.17e-04	
4	2	45	0.35	-5.14e-03	0.17	0.17	0.18	-3.36e-03	-7.31e-03	-7.13e-03	-3.54e-03	-8.32e-04	
4	2	52	0.38	0.14	0.14	0.38	6.91e-03	-2.26e-04	-7.45e-03	-7.29e-03	-3.79e-04	1.04e-03	
4	2	53	0.48	-0.25	5.95e-02	0.17	0.36	-3.63e-03	-8.83e-03	-8.18e-03	-4.28e-03	-1.72e-03	
4	2	60	0.38	-8.78e-02	-8.26e-02	0.37	4.88e-02	-8.79e-03	-4.20e-02	-3.62e-02	-1.46e-02	-1.26e-02	
4	2	61	0.49	-0.54	-0.14	8.18e-02	0.51	1.23e-02	-3.07e-02	-2.64e-02	7.97e-03	1.29e-02	
4	2	68	3.38e-02	-0.72	-0.50	-0.19	0.34	0.10	1.36e-02	9.96e-02	1.70e-02	1.69e-02	
4	2	69	0.25	-0.42	-0.19	2.20e-02	0.32	9.86e-02	2.14e-02	9.50e-02	2.50e-02	-1.63e-02	
4	3	7	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03	
4	3	8	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02	
4	3	9	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03	
4	3	10	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02	
4	3	20	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04	
4	3	21	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03	
4	3	28	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04	
4	3	29	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04	
4	3	36	0.28	0.25	0.25	0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04		
4	3	37	0.16	0.13	0.16	0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03		
4	3	44	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04	
4	3	45	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04	
4	3	52	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04	
4	3	53	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03	
4	3	60	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03	
4	3	61	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03	
4	3	68	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02	
4	3	69	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02	
4	4	7	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03	
4	4	8	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02	
4	4	9	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03	
4	4	10	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02	
4	4	20	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04	
4	4	21	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03	
4	4	28	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04	
4	4	29	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04	
4	4	36	0.28	0.25	0.25	0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04		
4	4	37	0.16	0.13	0.16	0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03		
4	4	44	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04	
4	4	45	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04	
4	4	52	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04	
4	4	53	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03	
4	4	60	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03	
4	4	61	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03	
4	4	68	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02	
4	4	69	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02	
4	5	7	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03	
4	5	8	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02	
4	5	9	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03	
4	5	10	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02	

4	5	20	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
4	5	21	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
4	5	28	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
4	5	29	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
4	5	36	0.28	0.25	0.25	0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
4	5	37	0.16	0.13	0.16	0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
4	5	44	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
4	5	45	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
4	5	52	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
4	5	53	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
4	5	60	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
4	5	61	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
4	5	68	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
4	5	69	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
4	6	7	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
4	6	8	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
4	6	9	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
4	6	10	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
4	6	20	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
4	6	21	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
4	6	28	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
4	6	29	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
4	6	36	0.28	0.25	0.25	0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
4	6	37	0.16	0.13	0.16	0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
4	6	44	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
4	6	45	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
4	6	52	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
4	6	53	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
4	6	60	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
4	6	61	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
4	6	68	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
4	6	69	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
4	7	7	29.09	4.77	4.94	28.92	2.03	-0.34	-1.76	-1.75	-0.35	9.78e-02
4	7	8	9.51	-5.03	4.84	-0.36	-6.79	3.75	0.72	3.73	0.74	-0.26
4	7	9	28.99	4.65	4.84	28.80	-2.16	-0.34	-1.77	-1.76	-0.35	-9.33e-02
4	7	10	9.25	-4.87	4.67	-0.29	6.61	3.78	0.73	3.76	0.75	0.26
4	7	20	28.68	4.99	4.99	28.67	0.44	-7.90e-03	-8.30e-02	-8.26e-02	-8.29e-03	5.43e-03
4	7	21	28.60	5.00	5.01	28.59	-0.52	-2.02e-02	-9.07e-02	-9.06e-02	-2.03e-02	-1.86e-03
4	7	28	28.11	5.03	5.03	28.11	-3.74e-02	9.99e-03	-1.27e-02	-1.06e-02	7.91e-03	-6.56e-03
4	7	29	28.03	5.10	5.10	28.03	6.28e-03	3.76e-04	-2.12e-02	-1.70e-02	-3.82e-03	8.54e-03
4	7	36	28.07	5.05	5.05	28.07	3.36e-03	6.58e-03	-2.13e-02	-2.13e-02	6.58e-03	-1.97e-05
4	7	37	27.99	5.13	5.13	27.99	3.36e-03	-6.10e-03	-2.76e-02	-2.76e-02	-6.10e-03	-4.09e-06
4	7	44	28.11	5.03	5.03	28.11	4.22e-02	1.00e-02	-1.28e-02	-1.07e-02	7.89e-03	6.59e-03
4	7	45	28.03	5.10	5.10	28.03	-1.51e-03	1.16e-04	-2.13e-02	-1.71e-02	-4.12e-03	-8.54e-03
4	7	52	28.68	4.99	4.99	28.67	-0.44	-7.91e-03	-8.30e-02	-8.26e-02	-8.31e-03	-5.43e-03
4	7	53	28.60	5.00	5.01	28.59	0.52	-2.02e-02	-9.09e-02	-9.08e-02	-2.03e-02	1.86e-03
4	7	60	29.09	4.77	4.94	28.92	-2.04	-0.34	-1.76	-1.75	-0.35	-9.79e-02
4	7	61	28.99	4.65	4.84	28.80	2.16	-0.34	-1.77	-1.76	-0.35	9.33e-02
4	7	68	9.50	-5.02	4.84	-0.36	6.78	3.75	0.72	3.73	0.74	0.26
4	7	69	9.26	-4.88	4.67	-0.29	-6.62	3.78	0.73	3.76	0.75	-0.26
4	8	7	-0.89	-4.37	-0.94	-4.32	-0.43	0.25	4.52e-02	0.25	4.52e-02	2.49e-03
4	8	8	0.22	-1.68	-1.32	-0.14	0.74	-9.90e-02	-0.51	-0.50	-0.10	2.76e-02
4	8	9	-0.76	-4.58	-0.77	-4.58	-0.13	0.26	4.97e-02	0.26	5.02e-02	-1.06e-02
4	8	10	1.13	-1.74	-0.74	0.13	-1.37	-0.10	-0.54	-0.54	-0.11	-3.10e-02
4	8	20	-0.66	-4.30	-0.67	-4.30	-0.14	1.06e-02	1.84e-04	9.95e-03	8.42e-04	-2.54e-03
4	8	21	-0.76	-4.48	-0.78	-4.46	-0.24	1.16e-02	-2.04e-02	1.04e-02	-1.93e-02	-5.90e-03
4	8	28	-0.51	-4.22	-0.51	-4.22	-3.57e-02	2.35e-04	-7.58e-03	-5.92e-03	-1.43e-03	3.20e-03
4	8	29	-0.79	-4.39	-0.79	-4.38	-0.16	-7.14e-03	-3.94e-02	-9.40e-03	-3.71e-02	-8.24e-03
4	8	36	-0.45	-4.22	-0.45	-4.22	-3.50e-03	7.28e-04	-4.24e-03	-4.24e-03	7.28e-04	-2.21e-05
4	8	37	-0.80	-4.38	-0.80	-4.38	-3.50e-03	-9.77e-03	-4.49e-02	-9.77e-03	-4.49e-02	-1.22e-05
4	8	44	-0.51	-4.22	-0.51	-4.22	3.08e-02	2.37e-04	-7.55e-03	-5.89e-03	-1.42e-03	-3.18e-03
4	8	45	-0.79	-4.39	-0.80	-4.39	0.16	-7.11e-03	-3.91e-02	-9.39e-03	-3.68e-02	8.22e-03
4	8	52	-0.67	-4.31	-0.67	-4.30	0.14	1.06e-02	2.07e-04	1.00e-02	8.51e-04	2.51e-03
4	8	53	-0.77	-4.48	-0.78	-4.47	0.24	1.17e-02	-2.04e-02	1.06e-02	-1.93e-02	5.87e-03
4	8	60	-0.88	-4.37	-0.94	-4.32	0.43	0.25	4.52e-02	0.25	4.52e-02	-2.46e-03
4	8	61	-0.76	-4.58	-0.77	-4.58	0.14	0.26	4.97e-02	0.26	5.02e-02	1.07e-02
4	8	68	0.21	-1.67	-1.32	-0.14	-0.73	-9.90e-02	-0.51	-0.50	-0.10	-2.76e-02
4	8	69	1.14	-1.75	-0.74	0.13	1.38	-0.10	-0.54	-0.54	-0.11	3.11e-02
4	9	7	31.74	5.21	5.40	31.55	2.22	-0.37	-1.92	-1.91	-0.38	0.11
4	9	8	10.39	-5.46	5.32	-0.38	-7.39	4.09	0.79	4.06	0.81	-0.28
4	9	9	31.65	5.09	5.30	31.45	-2.33	-0.38	-1.93	-1.92	-0.38	-0.10
4	9	10	10.13	-5.33	5.12	-0.32	7.24	4.13	0.80	4.10	0.82	0.29
4	9	20	31.29	5.43	5.44	31.28	0.48	-8.58e-03	-9.01e-02	-8.97e-02	-9.03e-03	6.02e-03
4	9	21	31.22	5.45	5.47	31.21	-0.55	-2.18e-02	-9.85e-02	-9.84e-02	-2.18e-02	-2.13e-03
4	9	28	30.67	5.48	5.48	30.67	-4.24e-02	1.09e-02	-1.36e-02	-1.12e-02	8.59e-03	-7.16e-03
4	9	29	30.60	5.56	5.56	30.60	1.74e-02	6.40e-04	-2.27e-02	-1.81e-02	-3.95e-03	9.28e-03
4	9	36	30.63	5.49	5.49	30.63	3.50e-03	7.12e-03	-2.29e-02	-2.29e-02	7.12e-03	2.21e-05

4	9	37	30.55	5.59	5.59	30.55	3.50e-03	-6.41e-03	-2.96e-02	-2.96e-02	-6.41e-03	1.22e-05
4	9	44	30.68	5.48	5.48	30.68	4.73e-02	1.09e-02	-1.36e-02	-1.13e-02	8.58e-03	7.14e-03
4	9	45	30.60	5.56	5.56	30.60	-1.25e-02	3.88e-04	-2.28e-02	-1.81e-02	-4.24e-03	-9.26e-03
4	9	52	31.30	5.44	5.44	31.29	-0.48	-8.60e-03	-9.01e-02	-8.97e-02	-9.04e-03	-6.00e-03
4	9	53	31.22	5.46	5.47	31.21	0.55	-2.18e-02	-9.86e-02	-9.85e-02	-2.18e-02	2.16e-03
4	9	60	31.74	5.21	5.40	31.56	-2.22	-0.37	-1.92	-1.91	-0.38	-0.11
4	9	61	31.65	5.09	5.30	31.45	2.33	-0.38	-1.93	-1.92	-0.38	0.10
4	9	68	10.39	-5.45	5.32	-0.38	7.39	4.09	0.79	4.06	0.81	0.28
4	9	69	10.14	-5.34	5.12	-0.32	-7.25	4.13	0.80	4.10	0.82	-0.29
4	10	7	-0.43	-1.72	-0.48	-1.68	-0.24	9.10e-02	1.27e-02	8.95e-02	1.42e-02	1.06e-02
4	10	8	-0.13	-0.87	-0.84	-0.16	0.14	-3.33e-02	-0.17	-0.17	-3.35e-02	4.99e-03
4	10	9	-0.26	-1.98	-0.31	-1.93	-0.30	1.00e-01	1.34e-02	9.59e-02	1.74e-02	-1.83e-02
4	10	10	0.67	-0.86	-0.29	9.99e-02	-0.74	-3.81e-02	-0.20	-0.20	-3.85e-02	-8.04e-03
4	10	20	-0.21	-1.69	-0.22	-1.68	-0.10	3.87e-03	-8.94e-04	2.87e-03	1.05e-04	-1.94e-03
4	10	21	-0.28	-1.89	-0.32	-1.84	-0.27	4.18e-03	-2.24e-02	2.66e-03	-2.09e-02	-6.17e-03
4	10	28	-6.02e-02	-1.66	-6.12e-02	-1.66	-4.07e-02	2.46e-04	-7.53e-02	-6.54e-03	-7.50e-04	2.60e-03
4	10	29	-0.32	-1.83	-0.34	-1.81	-0.15	-8.53e-03	-3.92e-02	-1.05e-02	-3.72e-02	-7.51e-03
4	10	36	-1.04e-02	-1.66	-1.04e-02	-1.66	-3.36e-03	1.27e-03	-5.84e-03	-5.84e-03	1.27e-03	1.97e-05
4	10	37	-0.34	-1.82	-0.34	-1.82	-3.36e-03	-1.18e-02	-4.52e-02	-1.18e-02	-4.52e-02	4.09e-06
4	10	44	-6.08e-02	-1.66	-6.16e-02	-1.66	3.59e-02	2.83e-04	-7.52e-03	-6.50e-03	-7.36e-04	-2.63e-03
4	10	45	-0.32	-1.83	-0.34	-1.82	0.15	-8.44e-03	-3.89e-02	-1.04e-02	-3.69e-02	7.50e-03
4	10	52	-0.21	-1.69	-0.22	-1.68	0.10	3.92e-03	-8.80e-04	2.93e-03	1.16e-04	1.95e-03
4	10	53	-0.28	-1.89	-0.32	-1.85	0.27	4.36e-03	-2.23e-02	2.85e-03	-2.08e-02	6.17e-03
4	10	60	-0.43	-1.73	-0.48	-1.68	0.25	9.10e-02	1.27e-02	8.96e-02	1.42e-02	-1.06e-02
4	10	61	-0.25	-1.99	-0.31	-1.93	0.31	0.10	1.34e-02	9.60e-02	1.75e-02	1.84e-02
4	10	68	-0.13	-0.87	-0.84	-0.16	-0.13	-3.33e-02	-0.17	-0.17	-3.35e-02	-4.95e-03
4	10	69	0.68	-0.87	-0.29	9.98e-02	0.75	-3.81e-02	-0.20	-0.20	-3.85e-02	8.03e-03
4	11	7	29.09	4.77	4.94	28.92	2.03	-0.34	-1.76	-1.75	-0.35	9.79e-02
4	11	8	9.50	-5.02	4.84	-0.36	-6.78	3.75	0.72	3.73	0.74	-0.26
4	11	9	28.99	4.65	4.84	28.80	-2.16	-0.34	-1.77	-1.76	-0.35	-9.33e-02
4	11	10	9.26	-4.88	4.67	-0.29	6.62	3.78	0.73	3.76	0.75	0.26
4	11	20	28.68	4.99	4.99	28.67	0.44	-7.91e-03	-8.30e-02	-8.26e-02	-8.31e-03	5.42e-03
4	11	21	28.60	5.00	5.01	28.59	-0.52	-2.02e-02	-9.08e-02	-9.08e-02	-2.03e-02	-1.87e-03
4	11	28	28.11	5.03	5.03	28.11	-4.23e-02	9.98e-03	-1.27e-02	-1.07e-02	7.90e-03	-6.56e-03
4	11	29	28.03	5.10	5.10	28.03	1.45e-03	1.20e-04	-2.13e-02	-1.71e-02	-4.12e-03	8.53e-03
4	11	36	28.07	5.05	5.05	28.07	-3.49e-03	6.58e-03	-2.13e-02	-2.13e-02	6.58e-03	-2.15e-05
4	11	37	27.99	5.13	5.13	27.99	-3.49e-03	-6.10e-03	-2.76e-02	-2.76e-02	-6.10e-03	-1.16e-05
4	11	44	28.11	5.03	5.03	28.11	3.73e-02	1.00e-02	-1.27e-02	-1.06e-02	7.91e-03	6.58e-03
4	11	45	28.03	5.10	5.10	28.03	-6.37e-03	3.72e-04	-2.12e-02	-1.71e-02	-3.82e-03	-8.55e-03
4	11	52	28.68	4.99	4.99	28.67	-0.44	-7.90e-03	-8.30e-02	-8.26e-02	-8.30e-03	-5.44e-03
4	11	53	28.60	5.00	5.01	28.59	0.52	-2.02e-02	-9.07e-02	-9.06e-02	-2.03e-02	1.84e-03
4	11	60	29.09	4.77	4.94	28.92	-2.03	-0.34	-1.76	-1.75	-0.35	-9.78e-02
4	11	61	28.99	4.65	4.84	28.80	2.16	-0.34	-1.77	-1.76	-0.35	9.34e-02
4	11	68	9.51	-5.03	4.84	-0.36	6.79	3.75	0.72	3.73	0.74	0.26
4	11	69	9.25	-4.87	4.67	-0.29	-6.61	3.78	0.73	3.76	0.75	-0.26
4	12	7	-0.88	-4.37	-0.94	-4.32	-0.43	0.25	4.52e-02	0.25	4.52e-02	2.46e-03
4	12	8	0.21	-1.67	-1.32	-0.14	0.73	-9.90e-02	-0.51	-0.50	-0.10	2.76e-02
4	12	9	-0.76	-4.58	-0.77	-4.58	-0.14	0.26	4.97e-02	0.26	5.02e-02	-1.07e-02
4	12	10	1.14	-1.75	-0.74	0.13	-1.38	-0.10	-0.54	-0.54	-0.11	-3.10e-02
4	12	20	-0.67	-4.31	-0.67	-4.30	-0.14	1.07e-02	2.01e-04	1.00e-02	8.52e-04	-2.53e-03
4	12	21	-0.76	-4.48	-0.78	-4.47	-0.24	1.17e-02	-2.04e-02	1.06e-02	-1.93e-02	-5.89e-03
4	12	28	-0.51	-4.22	-0.51	-4.22	-3.09e-02	2.58e-04	-7.56e-03	-5.89e-03	-1.42e-03	3.21e-03
4	12	29	-0.79	-4.39	-0.80	-4.39	-0.16	-7.08e-03	-3.91e-02	-9.36e-03	-3.68e-02	-8.23e-03
4	12	36	-0.45	-4.22	-0.45	-4.22	3.35e-03	7.28e-04	-4.24e-03	-4.24e-03	7.28e-04	-2.02e-05
4	12	37	-0.80	-4.38	-0.80	-4.38	3.35e-03	-9.77e-03	-4.49e-02	-9.77e-03	-4.49e-02	-4.68e-06
4	12	44	-0.51	-4.22	-0.51	-4.22	3.56e-02	2.13e-04	-7.57e-03	-5.92e-03	-1.43e-03	-3.18e-03
4	12	45	-0.79	-4.39	-0.79	-4.38	0.16	-7.17e-03	-3.94e-02	-9.43e-03	-3.71e-02	8.23e-03
4	12	52	-0.66	-4.30	-0.67	-4.30	0.14	1.06e-02	1.90e-04	9.95e-03	8.41e-04	2.52e-03
4	12	53	-0.76	-4.48	-0.78	-4.46	0.24	1.15e-02	-2.04e-02	1.04e-02	-1.93e-02	5.88e-03
4	12	60	-0.89	-4.37	-0.94	-4.32	0.43	0.25	4.52e-02	0.25	4.52e-02	-2.50e-03
4	12	61	-0.76	-4.58	-0.77	-4.58	0.13	0.26	4.96e-02	0.26	5.02e-02	1.06e-02
4	12	68	0.22	-1.68	-1.32	-0.14	-0.74	-9.90e-02	-0.51	-0.50	-0.10	-2.76e-02
4	12	69	1.13	-1.74	-0.74	0.13	1.37	-0.10	-0.54	-0.54	-0.11	3.11e-02
4	13	7	31.74	5.21	5.40	31.56	2.22	-0.37	-1.92	-1.91	-0.38	0.11
4	13	8	10.39	-5.45	5.32	-0.38	-7.39	4.09	0.79	4.06	0.81	-0.28
4	13	9	31.65	5.09	5.30	31.45	-2.33	-0.38	-1.93	-1.92	-0.38	-0.10
4	13	10	10.14	-5.34	5.12	-0.32	7.25	4.13	0.80	4.10	0.82	0.29
4	13	20	31.30	5.44	5.44	31.29	0.48	-8.60e-03	-9.02e-02	-8.97e-02	-9.04e-03	6.01e-03
4	13	21	31.22	5.46	5.47	31.21	-0.55	-2.18e-02	-9.86e-02	-9.86e-02	-2.19e-02	-2.14e-03
4	13	28	30.68	5.48	5.48	30.68	-4.72e-02	1.09e-02	-1.36e-02	-1.13e-02	8.58e-03	-7.16e-03
4	13	29	30.60	5.56	5.56	30.60	1.26e-02	3.85e-04	-2.28e-02	-1.82e-02	-4.25e-03	9.27e-03
4	13	36	30.63	5.49	5.49	30.63	-3.35e-03	7.12e-03	-2.29e-02	-2.29e-02	7.12e-03	2.02e-05
4	13	37	30.55	5.59	5.59	30.55	-3.35e-03	-6.40e-03	-2.96e-02	-2.96e-02	-6.40e-03	4.68e-06
4	13	44	30.67	5.48	5.48	30.67	4.25e-02	1.09e-02	-1.35e-02	-1.12e-02	8.59e-03	7.13e-03
4	13	45	30.60	5.56	5.56	30.60	-1.74e-02	6.44e-04	-2.27e-02	-1.81e-02	-3.94e-03	-9.27e-03
4	13	52	31.29	5.43	5.44	31.28	-0.48	-8.59e-03	-9.01e-02	-8.97e-02	-9.03e-03	-6.01e-03
4	13	53	31.22	5.45	5.47	31.21	0.55	-2.18e-02	-9.84e-02	-9.84e-02	-2.18e-02	2.14e-03

4	13	60	31.74	5.21	5.40	31.55	-2.22	-0.37	-1.92	-1.91	-0.38	-0.11
4	13	61	31.65	5.09	5.30	31.45	2.33	-0.38	-1.93	-1.92	-0.38	0.10
4	13	68	10.39	-5.46	5.32	-0.38	7.39	4.09	0.79	4.06	0.81	0.28
4	13	69	10.13	-5.33	5.12	-0.32	-7.24	4.13	0.80	4.10	0.82	-0.29
4	14	7	-0.43	-1.73	-0.48	-1.68	-0.25	9.10e-02	1.27e-02	8.96e-02	1.42e-02	1.06e-02
4	14	8	-0.13	-0.87	-0.84	-0.16	0.13	-3.33e-02	-0.17	-0.17	-3.35e-02	4.98e-03
4	14	9	-0.25	-1.99	-0.31	-1.93	-0.31	0.10	1.34e-02	9.59e-02	1.74e-02	-1.84e-02
4	14	10	0.68	-0.87	-0.29	9.98e-02	-0.75	-3.81e-02	-0.20	-0.20	-3.85e-02	-8.05e-03
4	14	20	-0.21	-1.69	-0.22	-1.68	-0.10	3.91e-03	-8.68e-04	2.92e-03	1.16e-04	-1.93e-03
4	14	21	-0.28	-1.89	-0.32	-1.85	-0.27	4.33e-03	-2.23e-02	2.82e-03	-2.08e-02	-6.16e-03
4	14	28	-6.08e-02	-1.66	-6.16e-02	-1.66	-3.59e-02	2.66e-04	-7.51e-03	-6.50e-03	-7.37e-04	2.61e-03
4	14	29	-0.32	-1.83	-0.34	-1.82	-0.15	-8.47e-03	-3.89e-02	-1.04e-02	-3.69e-02	-7.50e-03
4	14	36	-1.04e-02	-1.66	-1.04e-02	-1.66	3.49e-03	1.27e-03	-5.84e-03	-5.84e-03	1.27e-03	2.15e-05
4	14	37	-0.34	-1.82	-0.34	-1.82	3.49e-03	-1.18e-02	-4.52e-02	-1.18e-02	-4.52e-02	1.16e-05
4	14	44	-6.01e-02	-1.66	-6.12e-02	-1.66	4.08e-02	2.63e-04	-7.55e-03	-6.53e-03	-7.50e-04	-2.62e-03
4	14	45	-0.32	-1.83	-0.34	-1.81	0.15	-8.50e-03	-3.92e-02	-1.05e-02	-3.72e-02	7.51e-03
4	14	52	-0.21	-1.69	-0.22	-1.68	0.10	3.89e-03	-9.04e-04	2.88e-03	1.07e-04	1.96e-03
4	14	53	-0.28	-1.89	-0.32	-1.84	0.27	4.21e-03	-2.24e-02	2.69e-03	-2.08e-02	6.18e-03
4	14	60	-0.43	-1.72	-0.48	-1.68	0.24	9.10e-02	1.27e-02	8.95e-02	1.42e-02	-1.06e-02
4	14	61	-0.26	-1.98	-0.31	-1.93	0.30	1.00e-01	1.34e-02	9.59e-02	1.74e-02	1.83e-02
4	14	68	-0.13	-0.87	-0.84	-0.16	-0.14	-3.33e-02	-0.17	-0.17	-3.35e-02	-4.96e-03
4	14	69	0.67	-0.86	-0.29	9.99e-02	0.74	-3.81e-02	-0.20	-0.20	-3.85e-02	8.02e-03
4	15	7	29.09	4.77	4.94	28.92	2.03	-0.34	-1.76	-1.75	-0.35	9.78e-02
4	15	8	9.51	-5.03	4.84	-0.36	-6.79	3.75	0.72	3.73	0.74	-0.26
4	15	9	28.99	4.65	4.84	28.80	-2.16	-0.34	-1.77	-1.76	-0.35	-9.33e-02
4	15	10	9.25	-4.87	4.67	-0.29	6.61	3.78	0.73	3.76	0.75	0.26
4	15	20	28.68	4.99	4.99	28.67	0.44	-7.90e-03	-8.30e-02	-8.26e-02	-8.30e-03	5.44e-03
4	15	21	28.60	5.00	5.01	28.59	-0.52	-2.02e-02	-9.07e-02	-9.06e-02	-2.03e-02	-1.85e-03
4	15	28	28.11	5.03	5.03	28.11	-3.74e-02	1.00e-02	-1.27e-02	-1.06e-02	7.91e-03	-6.58e-03
4	15	29	28.03	5.10	5.10	28.03	6.33e-03	3.82e-04	-2.12e-02	-1.70e-02	-3.82e-03	8.55e-03
4	15	36	28.07	5.05	5.05	28.07	3.47e-03	6.58e-03	-2.13e-02	-2.13e-02	6.58e-03	2.14e-05
4	15	37	27.99	5.13	5.13	27.99	3.47e-03	-6.10e-03	-2.76e-02	-2.76e-02	-6.10e-03	1.00e-05
4	15	44	28.11	5.03	5.03	28.11	4.23e-02	9.98e-03	-1.27e-02	-1.07e-02	7.89e-03	6.56e-03
4	15	45	28.03	5.10	5.10	28.03	-1.46e-03	1.10e-04	-2.13e-02	-1.71e-02	-4.12e-03	-8.53e-03
4	15	52	28.68	4.99	4.99	28.67	-0.44	-7.91e-03	-8.30e-02	-8.26e-02	-8.31e-03	-5.42e-03
4	15	53	28.60	5.00	5.01	28.59	0.52	-2.02e-02	-9.09e-02	-9.08e-02	-2.03e-02	1.87e-03
4	15	60	29.09	4.77	4.94	28.92	-2.03	-0.34	-1.76	-1.75	-0.35	-9.79e-02
4	15	61	28.99	4.65	4.84	28.80	2.16	-0.34	-1.77	-1.76	-0.35	9.33e-02
4	15	68	9.50	-5.02	4.84	-0.36	6.78	3.75	0.72	3.73	0.74	0.26
4	15	69	9.26	-4.88	4.67	-0.29	-6.62	3.78	0.73	3.76	0.75	-0.26
4	16	7	-0.89	-4.37	-0.94	-4.32	-0.43	0.25	4.52e-02	0.25	4.52e-02	2.48e-03
4	16	8	0.22	-1.68	-1.32	-0.14	0.74	-9.90e-02	-0.51	-0.50	-0.10	2.76e-02
4	16	9	-0.76	-4.58	-0.77	-4.58	-0.13	0.26	4.97e-02	0.26	5.02e-02	-1.06e-02
4	16	10	1.13	-1.74	-0.74	0.13	-1.37	-0.10	-0.54	-0.54	-0.11	-3.11e-02
4	16	20	-0.66	-4.30	-0.67	-4.30	-0.14	1.06e-02	1.90e-04	9.95e-03	8.41e-04	-2.52e-02
4	16	21	-0.76	-4.48	-0.78	-4.46	-0.24	1.16e-02	-2.04e-02	1.04e-02	-1.93e-02	-5.89e-03
4	16	28	-0.51	-4.22	-0.51	-4.22	-3.56e-02	2.15e-04	-7.56e-03	-5.92e-03	-1.43e-03	3.18e-03
4	16	29	-0.79	-4.39	-0.79	-4.38	-0.16	-7.14e-03	-3.94e-02	-9.40e-03	-3.71e-02	-8.23e-03
4	16	36	-0.45	-4.22	-0.45	-4.22	-3.40e-03	7.28e-04	-4.24e-03	-4.24e-03	7.28e-04	1.90e-05
4	16	37	-0.80	-4.38	-0.80	-4.38	-3.40e-03	-9.77e-03	-4.49e-02	-9.77e-03	-4.49e-02	1.90e-06
4	16	44	-0.51	-4.22	-0.51	-4.22	3.08e-02	2.56e-04	-7.56e-03	-5.89e-03	-1.42e-03	-3.21e-03
4	16	45	-0.79	-4.39	-0.80	-4.39	0.16	-7.11e-03	-3.91e-02	-9.39e-03	-3.68e-02	8.23e-03
4	16	52	-0.67	-4.31	-0.67	-4.30	0.14	1.07e-02	2.00e-04	1.00e-02	8.51e-04	2.53e-03
4	16	53	-0.77	-4.48	-0.78	-4.47	0.24	1.17e-02	-2.04e-02	1.06e-02	-1.93e-02	5.88e-03
4	16	60	-0.88	-4.37	-0.94	-4.32	0.43	0.25	4.52e-02	0.25	4.52e-02	-2.48e-03
4	16	61	-0.76	-4.58	-0.77	-4.58	0.14	0.26	4.97e-02	0.26	5.02e-02	1.07e-02
4	16	68	0.21	-1.67	-1.32	-0.14	-0.73	-9.90e-02	-0.51	-0.50	-0.10	-2.76e-02
4	16	69	1.14	-1.75	-0.74	0.13	1.38	-0.10	-0.54	-0.54	-0.11	3.10e-02
4	17	7	31.74	5.21	5.40	31.55	2.22	-0.37	-1.92	-1.91	-0.38	0.11
4	17	8	10.39	-5.46	5.32	-0.38	-7.39	4.09	0.79	4.06	0.81	-0.28
4	17	9	31.65	5.09	5.30	31.45	-2.33	-0.38	-1.93	-1.92	-0.38	-0.10
4	17	10	10.13	-5.33	5.12	-0.32	7.24	4.13	0.80	4.10	0.82	0.29
4	17	20	31.29	5.43	5.44	31.28	0.48	-8.59e-03	-9.01e-02	-8.97e-02	-9.03e-03	6.01e-03
4	17	21	31.22	5.45	5.47	31.21	-0.55	-2.18e-02	-9.85e-02	-9.84e-02	-2.18e-02	-2.14e-03
4	17	28	30.67	5.48	5.48	30.67	-4.25e-02	1.09e-02	-1.35e-02	-1.12e-02	8.59e-03	-7.13e-03
4	17	29	30.60	5.56	5.56	30.60	1.74e-02	6.35e-04	-2.27e-02	-1.81e-02	-3.95e-03	9.27e-03
4	17	36	30.63	5.49	5.49	30.63	3.40e-03	7.12e-03	-2.29e-02	-2.29e-02	7.12e-03	-1.90e-05
4	17	37	30.55	5.59	5.59	30.55	3.40e-03	-6.41e-03	-2.96e-02	-2.96e-02	-6.41e-03	-1.90e-06
4	17	44	30.68	5.48	5.48	30.68	4.73e-02	1.09e-02	-1.36e-02	-1.13e-02	8.58e-03	7.16e-03
4	17	45	30.60	5.56	5.56	30.60	-1.26e-02	3.94e-04	-2.28e-02	-1.81e-02	-4.24e-03	-9.27e-03
4	17	52	31.30	5.44	5.44	31.29	-0.48	-8.60e-03	-9.02e-02	-8.97e-02	-9.04e-03	-6.01e-03
4	17	53	31.22	5.46	5.47	31.21	0.55	-2.18e-02	-9.86e-02	-9.85e-02	-2.18e-02	2.15e-03
4	17	60	31.74	5.21	5.40	31.56	-2.22	-0.37	-1.92	-1.91	-0.38	-0.11
4	17	61	31.65	5.09	5.30	31.45	2.33	-0.38	-1.93	-1.92	-0.38	0.10
4	17	68	10.39	-5.45	5.32	-0.38	7.39	4.09	0.79	4.06	0.81	0.28
4	17	69	10.14	-5.34	5.12	-0.32	-7.25	4.13	0.80	4.10	0.82	-0.29
4	18	7	-0.43	-1.72	-0.48	-1.68	-0.24	9.10e-02	1.27e-02	8.95e-02	1.42e-02	1.06e-02

4	18	8	-0.13	-0.87	-0.84	-0.16	0.14	-3.33e-02	-0.17	-0.17	-3.35e-02	4.96e-03
4	18	9	-0.26	-1.98	-0.31	-1.93	-0.30	1.00e-01	1.34e-02	9.59e-02	1.74e-02	-1.83e-02
4	18	10	0.67	-0.86	-0.29	9.99e-02	-0.74	-3.81e-02	-0.20	-0.20	-3.85e-02	-8.02e-03
4	18	20	-0.21	-1.69	-0.22	-1.68	-0.10	3.89e-03	-9.05e-04	2.88e-03	1.06e-04	-1.96e-03
4	18	21	-0.28	-1.89	-0.32	-1.84	-0.27	4.18e-03	-2.24e-02	2.66e-03	-2.09e-02	-6.18e-03
4	18	28	-6.02e-02	-1.66	-6.12e-02	-1.66	-4.07e-02	2.62e-04	-7.55e-03	-6.53e-03	-7.50e-04	2.62e-03
4	18	29	-0.32	-1.83	-0.34	-1.81	-0.15	-8.52e-03	-3.92e-02	-1.05e-02	-3.72e-02	-7.51e-03
4	18	36	-1.04e-02	-1.66	-1.04e-02	-1.66	-3.47e-03	1.27e-03	-5.84e-03	-5.84e-03	1.27e-03	-2.14e-05
4	18	37	-0.34	-1.82	-0.34	-1.82	-3.47e-03	-1.18e-02	-4.52e-02	-1.18e-02	-4.52e-02	-1.00e-05
4	18	44	-6.08e-02	-1.66	-6.16e-02	-1.66	3.59e-02	2.67e-04	-7.51e-03	-6.50e-03	-7.36e-04	-2.61e-03
4	18	45	-0.32	-1.83	-0.34	-1.82	0.15	-8.45e-03	-3.89e-02	-1.04e-02	-3.69e-02	7.50e-03
4	18	52	-0.21	-1.69	-0.22	-1.68	0.10	3.91e-03	-8.69e-04	2.93e-03	1.16e-04	1.93e-03
4	18	53	-0.28	-1.89	-0.32	-1.85	0.27	4.36e-03	-2.23e-02	2.85e-03	-2.08e-02	6.16e-03
4	18	60	-0.43	-1.73	-0.48	-1.68	0.25	9.10e-02	1.27e-02	8.96e-02	1.42e-02	-1.06e-02
4	18	61	-0.25	-1.99	-0.31	-1.93	0.31	0.10	1.34e-02	9.60e-02	1.75e-02	1.84e-02
4	18	68	-0.13	-0.87	-0.84	-0.16	-0.13	-3.33e-02	-0.17	-0.17	-3.35e-02	-4.97e-03
4	18	69	0.68	-0.87	-0.29	9.98e-02	0.75	-3.81e-02	-0.20	-0.20	-3.85e-02	8.05e-03
4	19	7	29.09	4.77	4.94	28.92	2.04	-0.34	-1.76	-1.75	-0.35	9.79e-02
4	19	8	9.50	-5.02	4.84	-0.36	-6.78	3.75	0.72	3.73	0.74	-0.26
4	19	9	28.99	4.65	4.84	28.80	-2.16	-0.34	-1.77	-1.76	-0.35	-9.33e-02
4	19	10	9.26	-4.88	4.67	-0.29	6.62	3.78	0.73	3.76	0.75	0.26
4	19	20	28.68	4.99	4.99	28.67	0.44	-7.91e-03	-8.30e-02	-8.26e-02	-8.31e-03	5.43e-03
4	19	21	28.60	5.00	5.01	28.59	-0.52	-2.02e-02	-9.08e-02	-9.08e-02	-2.03e-02	-1.86e-03
4	19	28	28.11	5.03	5.03	28.11	-4.22e-02	1.00e-02	-1.28e-02	-1.07e-02	7.89e-03	-6.59e-03
4	19	29	28.03	5.10	5.10	28.03	1.51e-03	1.25e-04	-2.13e-02	-1.71e-02	-4.12e-03	8.54e-03
4	19	36	28.07	5.05	5.05	28.07	-3.39e-03	6.58e-03	-2.13e-02	-2.13e-02	6.58e-03	1.96e-05
4	19	37	27.99	5.13	5.13	27.99	-3.39e-03	-6.10e-03	-2.76e-02	-2.76e-02	-6.10e-03	2.50e-06
4	19	44	28.11	5.03	5.03	28.11	3.74e-02	9.99e-03	-1.27e-02	-1.06e-02	7.91e-03	6.56e-03
4	19	45	28.03	5.10	5.10	28.03	-6.32e-03	3.67e-04	-2.12e-02	-1.71e-02	-3.82e-03	-8.54e-03
4	19	52	28.68	4.99	4.99	28.67	-0.44	-7.90e-03	-8.30e-02	-8.26e-02	-8.30e-03	-5.43e-03
4	19	53	28.60	5.00	5.01	28.59	0.52	-2.02e-02	-9.07e-02	-9.06e-02	-2.03e-02	1.85e-03
4	19	60	29.09	4.77	4.94	28.92	-2.03	-0.34	-1.76	-1.75	-0.35	-9.79e-02
4	19	61	28.99	4.65	4.84	28.80	2.16	-0.34	-1.77	-1.76	-0.35	9.33e-02
4	19	68	9.51	-5.03	4.84	-0.36	6.79	3.75	0.72	3.73	0.74	0.26
4	19	69	9.25	-4.87	4.67	-0.29	-6.61	3.78	0.73	3.76	0.75	-0.26
4	20	7	-0.88	-4.37	-0.94	-4.32	-0.43	0.25	4.52e-02	0.25	4.52e-02	2.45e-03
4	20	8	0.21	-1.67	-1.32	-0.14	0.73	-9.90e-02	-0.51	-0.50	-0.10	2.76e-02
4	20	9	-0.76	-4.58	-0.77	-4.58	-0.14	0.26	4.97e-02	0.26	5.02e-02	-1.07e-02
4	20	10	1.14	-1.75	-0.74	0.13	-1.38	-0.10	-0.54	-0.54	-0.11	-3.11e-02
4	20	20	-0.67	-4.31	-0.67	-4.30	-0.14	1.06e-02	2.08e-04	1.00e-02	8.52e-04	-2.51e-03
4	20	21	-0.76	-4.48	-0.78	-4.47	-0.24	1.17e-02	-2.04e-02	1.06e-02	-1.93e-02	-5.88e-03
4	20	28	-0.51	-4.22	-0.51	-4.22	-3.08e-02	2.38e-04	-7.54e-03	-5.89e-03	-1.42e-03	3.19e-03
4	20	29	-0.79	-4.39	-0.80	-4.39	-0.16	-7.08e-03	-3.91e-02	-9.36e-03	-3.68e-02	-8.22e-03
4	20	36	-0.45	-4.22	-0.45	-4.22	3.45e-03	7.28e-04	-4.24e-03	-4.24e-03	7.28e-04	2.09e-05
4	20	37	-0.80	-4.38	-0.80	-4.38	3.45e-03	-9.77e-03	-4.49e-02	-9.77e-03	-4.49e-02	9.46e-06
4	20	44	-0.51	-4.22	-0.51	-4.22	3.57e-02	2.33e-04	-7.59e-03	-5.92e-03	-1.43e-03	-3.20e-03
4	20	45	-0.79	-4.39	-0.79	-4.38	0.16	-7.16e-03	-3.94e-02	-9.43e-03	-3.71e-02	8.24e-03
4	20	52	-0.66	-4.30	-0.67	-4.30	0.14	1.06e-02	1.84e-04	9.95e-03	8.42e-04	2.54e-03
4	20	53	-0.76	-4.48	-0.78	-4.46	0.24	1.15e-02	-2.04e-02	1.04e-02	-1.93e-02	5.89e-03
4	20	60	-0.89	-4.37	-0.94	-4.32	0.43	0.25	4.52e-02	0.25	4.52e-02	-2.51e-03
4	20	61	-0.76	-4.58	-0.77	-4.58	0.13	0.26	4.96e-02	0.26	5.02e-02	1.06e-02
4	20	68	0.22	-1.68	-1.32	-0.14	-0.74	-9.90e-02	-0.51	-0.50	-0.10	-2.76e-02
4	20	69	1.13	-1.74	-0.74	0.13	1.37	-0.10	-0.54	-0.54	-0.11	3.10e-02
4	21	7	31.74	5.21	5.40	31.56	2.22	-0.37	-1.92	-1.91	-0.38	0.11
4	21	8	10.39	-5.45	5.32	-0.38	-7.39	4.09	0.79	4.06	0.81	-0.28
4	21	9	31.65	5.09	5.30	31.45	-2.33	-0.38	-1.93	-1.92	-0.38	-0.10
4	21	10	10.14	-5.34	5.12	-0.32	7.25	4.13	0.80	4.10	0.82	0.29
4	21	20	31.30	5.44	5.44	31.29	0.48	-8.60e-03	-9.02e-02	-8.97e-02	-9.04e-03	6.00e-03
4	21	21	31.22	5.46	5.47	31.21	-0.55	-2.18e-02	-9.86e-02	-9.86e-02	-2.19e-02	-2.15e-03
4	21	28	30.68	5.48	5.48	30.68	-4.73e-02	1.09e-02	-1.36e-02	-1.13e-02	8.58e-03	-7.14e-03
4	21	29	30.60	5.56	5.56	30.60	1.26e-02	3.79e-04	-2.28e-02	-1.82e-02	-4.25e-03	9.26e-03
4	21	36	30.63	5.49	5.49	30.63	-3.45e-03	7.12e-03	-2.29e-02	-2.29e-02	7.12e-03	-2.09e-05
4	21	37	30.55	5.59	5.59	30.55	-3.45e-03	-6.40e-03	-2.96e-02	-2.96e-02	-6.40e-03	-9.46e-06
4	21	44	30.67	5.48	5.48	30.67	4.24e-02	1.09e-02	-1.35e-02	-1.12e-02	8.59e-03	7.16e-03
4	21	45	30.60	5.56	5.56	30.60	-1.74e-02	6.50e-04	-2.27e-02	-1.81e-02	-3.94e-03	-9.28e-03
4	21	52	31.29	5.43	5.44	31.28	-0.48	-8.58e-03	-9.01e-02	-8.97e-02	-9.03e-03	-6.02e-03
4	21	53	31.22	5.45	5.47	31.21	0.55	-2.18e-02	-9.84e-02	-9.84e-02	-2.18e-02	2.13e-03
4	21	60	31.74	5.21	5.40	31.55	-2.22	-0.37	-1.92	-1.91	-0.38	-0.11
4	21	61	31.65	5.09	5.30	31.45	2.33	-0.38	-1.93	-1.92	-0.38	0.10
4	21	68	10.39	-5.46	5.32	-0.38	7.39	4.09	0.79	4.06	0.81	0.28
4	21	69	10.13	-5.33	5.12	-0.32	-7.24	4.13	0.80	4.10	0.82	-0.29
4	22	7	-0.43	-1.73	-0.48	-1.68	-0.25	9.10e-02	1.27e-02	8.96e-02	1.42e-02	1.06e-02
4	22	8	-0.13	-0.87	-0.84	-0.16	0.13	-3.33e-02	-0.17	-0.17	-3.35e-02	4.95e-03
4	22	9	-0.25	-1.99	-0.31	-1.93	-0.31	0.10	1.34e-02	9.59e-02	1.74e-02	-1.84e-02
4	22	10	0.68	-0.87	-0.29	9.98e-02	-0.75	-3.81e-02	-0.20	-0.20	-3.85e-02	-8.03e-03
4	22	20	-0.21	-1.69	-0.22	-1.68	-0.10	3.92e-03	-8.79e-04	2.93e-03	1.16e-04	-1.95e-03
4	22	21	-0.28	-1.89	-0.32	-1.85	-0.27	4.33e-03	-2.23e-02	2.82e-03	-2.08e-02	-6.17e-03

4	22	28	-6.08e-02	-1.66	-6.16e-02	-1.66	-3.59e-02	2.82e-04	-7.52e-03	-6.50e-03	-7.37e-04	2.63e-03
4	22	29	-0.32	-1.83	-0.34	-1.82	-0.15	-8.47e-03	-3.89e-02	-1.04e-02	-3.69e-02	-7.50e-03
4	22	36	-1.04e-02	-1.66	-1.04e-02	-1.66	3.39e-03	1.27e-03	-5.84e-03	-5.84e-03	1.27e-03	-1.96e-05
4	22	37	-0.34	-1.82	-0.34	-1.82	3.39e-03	-1.18e-02	-4.52e-02	-1.18e-02	-4.52e-02	-2.50e-06
4	22	44	-6.01e-02	-1.66	-6.12e-02	-1.66	4.07e-02	2.47e-04	-7.53e-03	-6.53e-03	-7.50e-04	-2.60e-03
4	22	45	-0.32	-1.83	-0.34	-1.81	0.15	-8.50e-03	-3.92e-02	-1.05e-02	-3.72e-02	7.51e-03
4	22	52	-0.21	-1.69	-0.22	-1.68	0.10	3.88e-03	-8.93e-04	2.88e-03	1.06e-04	1.94e-03
4	22	53	-0.28	-1.89	-0.32	-1.84	0.27	4.21e-03	-2.24e-02	2.69e-03	-2.08e-02	6.17e-03
4	22	60	-0.43	-1.72	-0.48	-1.68	0.24	9.10e-02	1.27e-02	8.95e-02	1.42e-02	-1.06e-02
4	22	61	-0.26	-1.98	-0.31	-1.93	0.30	1.00e-01	1.34e-02	9.59e-02	1.74e-02	1.83e-02
4	22	68	-0.13	-0.87	-0.84	-0.16	-0.14	-3.33e-02	-0.17	-0.17	-3.35e-02	-4.99e-03
4	22	69	0.67	-0.86	-0.29	9.99e-02	0.74	-3.81e-02	-0.20	-0.20	-3.85e-02	8.04e-03
4	23	7	110.40	18.39	19.06	109.73	7.84	-1.28	-6.65	-6.63	-1.30	0.35
4	23	8	36.55	-17.94	19.59	-0.99	-25.22	14.11	2.73	14.03	2.81	-0.95
4	23	9	110.48	18.24	18.81	109.91	-7.20	-1.33	-6.69	-6.67	-1.35	-0.33
4	23	10	36.26	-19.15	18.28	-1.17	25.94	14.25	2.75	14.17	2.83	0.97
4	23	20	108.79	18.75	18.78	108.76	1.69	-2.89e-02	-0.30	-0.30	-3.09e-02	2.31e-02
4	23	21	108.91	19.00	19.02	108.89	-1.22	-6.77e-02	-0.33	-0.33	-6.81e-02	-1.08e-02
4	23	28	106.65	18.64	18.64	106.65	-0.14	3.80e-02	-3.83e-02	-2.96e-02	2.94e-02	-2.42e-02
4	23	29	106.77	19.11	19.11	106.77	0.40	9.16e-03	-6.58e-02	-4.86e-02	-7.04e-03	3.09e-02
4	23	36	106.49	18.59	18.59	106.49	1.14e-02	2.38e-02	-7.09e-02	-7.09e-02	2.38e-02	-2.27e-06
4	23	37	106.61	19.15	19.15	106.61	1.14e-02	-1.55e-02	-8.97e-02	-8.97e-02	-1.55e-02	1.11e-05
4	23	44	106.66	18.64	18.64	106.66	0.16	3.80e-02	-3.84e-02	-2.97e-02	2.93e-02	2.42e-02
4	23	45	106.78	19.12	19.12	106.78	-0.38	8.32e-03	-6.61e-02	-4.98e-02	-8.04e-03	-3.08e-02
4	23	52	108.81	18.75	18.79	108.77	-1.69	-2.90e-02	-0.30	-0.30	-3.09e-02	-2.30e-02
4	23	53	108.92	19.01	19.02	108.91	1.22	-6.78e-02	-0.33	-0.33	-6.82e-02	1.08e-02
4	23	60	110.41	18.39	19.06	109.73	-7.86	-1.28	-6.65	-6.63	-1.30	-0.35
4	23	61	110.48	18.25	18.81	109.91	7.18	-1.33	-6.69	-6.67	-1.35	0.33
4	23	68	36.52	-17.92	19.59	-0.99	25.20	14.11	2.73	14.03	2.81	0.95
4	23	69	36.28	-19.17	18.28	-1.17	-25.97	14.25	2.75	14.17	2.83	-0.97
4	24	7	-0.36	-1.22	-0.53	-1.05	-0.34	6.48e-02	-3.73e-03	4.91e-02	1.19e-02	2.88e-02
4	24	8	-0.21	-0.97	-0.95	-0.23	-0.13	-8.83e-03	-7.03e-02	-7.02e-02	-8.92e-03	2.31e-03
4	24	9	0.23	-1.46	0.11	-1.35	-0.43	7.89e-02	-4.91e-02	5.06e-02	-2.09e-02	-5.31e-02
4	24	10	0.89	-0.42	0.24	0.24	-0.65	-3.84e-02	-0.16	-0.16	-3.93e-02	-1.05e-02
4	24	20	-3.71e-02	-1.18	-9.51e-02	-1.12	-0.25	9.88e-03	-1.60e-03	8.71e-03	-4.20e-04	-3.48e-03
4	24	21	-0.19	-1.35	-0.28	-1.27	-0.30	1.56e-02	-7.22e-02	8.30e-03	-6.49e-02	-2.43e-02
4	24	28	0.19	-1.13	0.18	-1.11	-0.14	2.46e-03	-1.82e-02	-1.39e-02	-1.75e-03	8.31e-03
4	24	29	-0.49	-1.32	-0.53	-1.28	-0.17	-1.79e-02	-0.12	-2.42e-02	-0.12	-2.51e-02
4	24	36	0.26	-1.12	0.26	-1.12	-1.15e-02	4.26e-03	-1.39e-02	-1.39e-02	4.26e-03	-1.03e-05
4	24	37	-0.61	-1.30	-0.61	-1.30	-1.15e-02	-3.02e-02	-0.14	-3.02e-02	-0.14	-1.60e-05
4	24	44	0.19	-1.13	0.18	-1.12	0.12	2.53e-03	-1.81e-02	-1.38e-02	-1.71e-03	-8.33e-03
4	24	45	-0.51	-1.32	-0.54	-1.29	0.15	-1.78e-02	-0.12	-2.41e-02	-0.12	2.51e-02
4	24	52	-3.94e-02	-1.19	-9.75e-02	-1.13	0.25	1.00e-02	-1.53e-03	8.87e-03	-3.86e-04	3.45e-03
4	24	53	-0.20	-1.37	-0.28	-1.28	0.30	1.61e-02	-7.21e-02	8.82e-03	-6.48e-02	2.42e-02
4	24	60	-0.35	-1.24	-0.53	-1.05	0.36	6.48e-02	-3.61e-03	4.92e-02	1.20e-02	-2.87e-02
4	24	61	0.23	-1.48	0.11	-1.35	0.45	7.91e-02	-4.92e-02	5.07e-02	-2.08e-02	5.32e-02
4	24	68	-0.20	-0.98	-0.95	-0.23	0.15	-8.91e-03	-7.07e-02	-7.06e-02	-8.99e-03	-2.28e-03
4	24	69	0.92	-0.44	0.24	0.24	0.68	-3.86e-02	-0.16	-0.16	-3.95e-02	1.05e-02
4	25	7	111.20	18.52	19.20	110.52	7.90	-1.29	-6.70	-6.68	-1.31	0.35
4	25	8	36.81	-18.07	19.74	-0.99	-25.41	14.21	2.75	14.13	2.83	-0.96
4	25	9	111.27	18.38	18.94	110.71	-7.25	-1.34	-6.74	-6.72	-1.36	-0.33
4	25	10	36.52	-19.29	18.41	-1.18	26.13	14.36	2.77	14.27	2.85	0.97
4	25	20	109.58	18.89	18.92	109.55	1.70	-2.91e-02	-0.30	-0.30	-3.11e-02	2.32e-02
4	25	21	109.70	19.14	19.15	109.68	-1.23	-6.82e-02	-0.33	-0.33	-6.86e-02	-1.09e-02
4	25	28	107.42	18.77	18.77	107.42	-0.14	3.83e-02	-3.85e-02	-2.98e-02	2.96e-02	-2.44e-02
4	25	29	107.54	19.25	19.25	107.54	0.40	9.24e-03	-6.63e-02	-4.99e-02	-7.08e-03	3.11e-02
4	25	36	107.25	18.73	18.73	107.25	1.15e-02	2.39e-02	-7.14e-02	-7.14e-02	2.39e-02	1.03e-05
4	25	37	107.38	19.29	19.29	107.38	1.15e-02	-1.56e-02	-9.03e-02	-9.03e-02	-1.56e-02	1.60e-05
4	25	44	107.43	18.77	18.77	107.43	0.16	3.83e-02	-3.86e-02	-2.99e-02	2.95e-02	2.44e-02
4	25	45	107.55	19.25	19.26	107.55	-0.38	8.40e-03	-6.65e-02	-5.01e-02	-8.07e-03	-3.10e-02
4	25	52	109.59	18.89	18.92	109.56	-1.71	-2.92e-02	-0.30	-0.30	-3.11e-02	-2.32e-02
4	25	53	109.71	19.14	19.16	109.69	1.23	-6.82e-02	-0.33	-0.33	-6.87e-02	1.09e-02
4	25	60	111.21	18.52	19.20	110.52	-7.92	-1.29	-6.70	-6.68	-1.31	-0.35
4	25	61	111.27	18.38	18.95	110.71	7.23	-1.34	-6.74	-6.72	-1.36	0.33
4	25	68	36.79	-18.04	19.74	-0.99	25.38	14.21	2.75	14.13	2.83	0.96
4	25	69	36.55	-19.31	18.41	-1.18	-26.16	14.36	2.77	14.27	2.85	-0.97
4	26	7	-2.85e-02	-0.62	-0.39	-0.26	-0.29	3.32e-02	-2.92e-02	1.36e-03	2.61e-03	3.12e-02
4	26	8	-0.10	-0.94	-0.81	-0.24	-0.31	3.17e-02	1.03e-02	3.07e-02	1.13e-02	-4.47e-03
4	26	9	0.47	-0.78	0.25	-0.55	-0.48	4.37e-02	-7.19e-02	2.49e-03	-3.07e-02	-5.54e-02
4	26	10	0.77	-0.17	0.37	0.23	-0.47	-1.86e-02	-5.54e-02	-5.50e-02	-1.90e-02	-3.61e-03
4	26	20	0.16	-0.45	3.99e-02	-0.33	-0.24	7.87e-03	-1.92e-03	6.58e-03	-6.41e-04	-3.30e-03
4	26	21	4.05e-02	-0.66	-0.14	-0.48	-0.31	1.35e-02	-7.29e-02	5.97e-03	-6.54e-02	-2.43e-02
4	26	28	0.34	-0.37	0.31	-0.34	-0.14	2.44e-03	-1.81e-02	-1.41e-02	-1.55e-03	8.13e-03
4	26	29	-0.28	-0.62	-0.39	-0.51	-0.16	-1.83e-02	-0.12	-2.45e-02	-0.12	-2.49e-02
4	26	36	0.40	-0.35	0.40	-0.35	-1.14e-02	4.42e-03	-1.44e-02	1.44e-02	4.42e-03	2.27e-06
4	26	37	-0.47	-0.53	-0.47	-0.53	-1.14e-02	-3.08e-02	-0.14	-3.08e-02	-0.14	-1.11e-05
4	26	44	0.33	-0.37	0.31	-0.35	0.12	2.52e-03	-1.81e-02	-1.40e-02	-1.50e-03	-8.16e-03

4	26	45	-0.30	-0.62	-0.40	-0.52	0.15	-1.82e-02	-0.12	-2.44e-02	-0.12	2.48e-02
4	26	52	0.15	-0.46	3.76e-02	-0.35	0.24	8.00e-03	-1.86e-03	6.75e-03	-6.07e-04	3.28e-03
4	26	53	3.35e-02	-0.68	-0.15	-0.50	0.31	1.40e-02	-7.27e-02	6.50e-03	-6.53e-02	2.43e-02
4	26	60	-1.50e-02	-0.64	-0.40	-0.26	0.31	3.32e-02	-2.91e-02	1.48e-03	2.62e-03	-3.11e-02
4	26	61	0.48	-0.79	0.25	-0.56	0.50	4.40e-02	-7.20e-02	2.67e-03	-3.07e-02	5.55e-02
4	26	68	-8.28e-02	-0.96	-0.81	-0.24	0.34	3.14e-02	1.02e-02	3.03e-02	1.12e-02	4.51e-03
4	26	69	0.80	-0.20	0.37	0.23	0.49	-1.88e-02	-5.63e-02	-5.59e-02	-1.92e-02	3.63e-03
4	27	7	110.40	18.39	19.06	109.73	7.84	-1.28	-6.65	-6.63	-1.30	0.35
4	27	8	36.55	-17.94	19.59	-0.99	-25.22	14.11	2.73	14.03	2.81	-0.95
4	27	9	110.48	18.24	18.81	109.91	-7.20	-1.33	-6.69	-6.67	-1.35	-0.33
4	27	10	36.26	-19.15	18.28	-1.17	25.94	14.25	2.75	14.17	2.83	0.97
4	27	20	108.79	18.75	18.78	108.76	1.69	-2.89e-02	-0.30	-0.30	-3.09e-02	2.31e-02
4	27	21	108.91	19.00	19.02	108.89	-1.22	-6.77e-02	-0.33	-0.33	-6.81e-02	-1.08e-02
4	27	28	106.65	18.64	18.64	106.65	-0.14	3.80e-02	-3.83e-02	-2.96e-02	2.94e-02	-2.42e-02
4	27	29	106.77	19.11	19.11	106.77	0.40	9.16e-03	-6.58e-02	-4.96e-02	-7.04e-03	3.09e-02
4	27	36	106.49	18.59	18.59	106.49	1.15e-02	2.38e-02	-7.09e-02	-7.09e-02	2.38e-02	1.01e-05
4	27	37	106.61	19.15	19.15	106.61	1.15e-02	-1.55e-02	-8.97e-02	-8.97e-02	-1.55e-02	1.54e-05
4	27	44	106.66	18.64	18.64	106.66	0.16	3.80e-02	-3.84e-02	-2.97e-02	2.93e-02	2.42e-02
4	27	45	106.78	19.12	19.12	106.78	-0.38	8.31e-03	-6.61e-02	-4.98e-02	-8.04e-03	-3.08e-02
4	27	52	108.81	18.75	18.79	108.77	-1.69	-2.90e-02	-0.30	-0.30	-3.09e-02	-2.30e-02
4	27	53	108.92	19.01	19.02	108.91	1.22	-6.78e-02	-0.33	-0.33	-6.82e-02	1.08e-02
4	27	60	110.41	18.39	19.06	109.73	-7.86	-1.28	-6.65	-6.63	-1.30	-0.35
4	27	61	110.48	18.25	18.81	109.91	7.18	-1.33	-6.69	-6.67	-1.35	0.33
4	27	68	36.52	-17.92	19.59	-0.99	25.20	14.11	2.73	14.03	2.81	0.95
4	27	69	36.28	-19.17	18.28	-1.17	-25.97	14.25	2.75	14.17	2.83	-0.97
4	28	7	-0.36	-1.22	-0.53	-1.05	-0.34	6.48e-02	-3.73e-03	4.91e-02	1.19e-02	2.88e-02
4	28	8	-0.21	-0.97	-0.95	-0.23	-0.13	-8.83e-03	-7.03e-02	-7.02e-02	-8.92e-03	2.32e-03
4	28	9	0.23	-1.46	0.11	-1.35	-0.43	7.89e-02	-4.91e-02	5.06e-02	-2.09e-02	-5.31e-02
4	28	10	0.89	-0.42	0.24	0.24	-0.65	-3.84e-02	-0.16	-0.16	-3.93e-02	-1.05e-02
4	28	20	-3.71e-02	-1.18	-9.51e-02	-1.12	-0.25	9.88e-03	-1.60e-03	8.71e-03	-4.20e-04	-3.48e-03
4	28	21	-0.19	-1.35	-0.28	-1.27	-0.30	1.56e-02	-7.22e-02	8.30e-03	-6.49e-02	-2.42e-02
4	28	28	0.19	-1.13	0.18	-1.11	-0.14	2.45e-03	-1.81e-02	-1.39e-02	-1.75e-03	8.30e-03
4	28	29	-0.49	-1.32	-0.53	-1.28	-0.17	-1.79e-02	-0.12	-2.42e-02	-0.12	-2.51e-02
4	28	36	0.26	-1.12	0.26	-1.12	-1.14e-02	4.26e-03	-1.39e-02	-1.39e-02	4.26e-03	2.07e-06
4	28	37	-0.61	-1.30	-0.61	-1.30	-1.14e-02	-3.02e-02	-0.14	-3.02e-02	-0.14	-1.18e-05
4	28	44	0.19	-1.13	0.18	-1.12	0.12	2.54e-03	-1.81e-02	-1.38e-02	-1.71e-03	-8.34e-03
4	28	45	-0.51	-1.32	-0.54	-1.29	0.15	-1.78e-02	-0.12	-2.41e-02	-0.12	-2.51e-02
4	28	52	-3.93e-02	-1.19	-9.75e-02	-1.13	0.25	1.00e-02	-1.53e-03	8.87e-03	-3.86e-04	3.45e-03
4	28	53	-0.20	-1.37	-0.28	-1.28	0.30	1.61e-02	-7.21e-02	8.82e-03	-6.48e-02	2.42e-02
4	28	60	-0.35	-1.24	-0.53	-1.05	0.36	6.48e-02	-3.61e-03	4.92e-02	1.20e-02	-2.87e-02
4	28	61	0.23	-1.48	0.11	-1.35	0.45	7.91e-02	-4.92e-02	5.07e-02	-2.08e-02	5.32e-02
4	28	68	-0.20	-0.98	-0.95	-0.23	0.15	-8.91e-03	-7.07e-02	-7.06e-02	-8.99e-03	-2.28e-03
4	28	69	0.92	-0.44	0.24	0.24	0.68	-3.86e-02	-0.16	-0.16	-3.95e-02	1.05e-02
4	29	7	111.20	18.52	19.20	110.52	7.90	-1.29	-6.70	-6.68	-1.31	0.35
4	29	8	36.81	-18.07	19.74	-0.99	-25.41	14.21	2.75	14.13	2.83	-0.96
4	29	9	111.27	18.38	18.94	110.71	-7.25	-1.34	-6.74	-6.72	-1.36	-0.33
4	29	10	36.52	-19.29	18.41	-1.18	26.13	14.36	2.77	14.27	2.85	0.97
4	29	20	109.58	18.89	18.92	109.55	1.70	-2.91e-02	-0.30	-0.30	-3.11e-02	2.32e-02
4	29	21	109.70	19.14	19.15	109.68	-1.23	-6.82e-02	-0.33	-0.33	-6.86e-02	-1.09e-02
4	29	28	107.42	18.77	18.77	107.42	-0.14	3.83e-02	-3.85e-02	-2.98e-02	2.96e-02	-2.44e-02
4	29	29	107.54	19.25	19.25	107.54	0.40	9.23e-03	-6.63e-02	-4.99e-02	-7.08e-03	3.11e-02
4	29	36	107.25	18.73	18.73	107.25	1.14e-02	2.39e-02	-7.14e-02	-7.14e-02	2.39e-02	-2.07e-06
4	29	37	107.38	19.29	19.29	107.38	1.14e-02	-1.56e-02	-9.03e-02	-9.03e-02	-1.56e-02	1.18e-05
4	29	44	107.43	18.77	18.77	107.43	0.16	3.83e-02	-3.86e-02	-2.99e-02	2.95e-02	2.44e-02
4	29	45	107.55	19.25	19.26	107.55	-0.38	8.40e-03	-6.65e-02	-5.01e-02	-8.07e-03	-3.10e-02
4	29	52	109.59	18.89	18.92	109.56	-1.71	-2.92e-02	-0.30	-0.30	-3.11e-02	-2.32e-02
4	29	53	109.71	19.14	19.16	109.69	1.23	-6.82e-02	-0.33	-0.33	-6.87e-02	1.09e-02
4	29	60	111.21	18.52	19.20	110.52	-7.92	-1.29	-6.70	-6.68	-1.31	-0.35
4	29	61	111.27	18.38	18.95	110.71	7.23	-1.34	-6.74	-6.72	-1.36	0.33
4	29	68	36.79	-18.04	19.74	-0.99	25.38	14.21	2.75	14.13	2.83	0.96
4	29	69	36.55	-19.31	18.41	-1.18	-26.16	14.36	2.77	14.27	2.85	-0.97
4	30	7	-2.85e-02	-0.62	-0.39	-0.26	-0.29	3.32e-02	-2.92e-02	1.36e-03	2.61e-03	3.12e-02
4	30	8	-0.10	-0.94	-0.81	-0.24	-0.31	3.17e-02	1.03e-02	3.07e-02	1.13e-02	-4.48e-03
4	30	9	0.47	-0.78	0.25	-0.55	-0.48	4.37e-02	-7.19e-02	2.49e-03	-3.07e-02	-5.54e-02
4	30	10	0.77	-0.17	0.37	0.23	-0.47	-1.86e-02	-5.54e-02	-5.50e-02	-1.90e-02	-3.61e-03
4	30	20	0.16	-0.45	3.99e-02	-0.33	-0.24	7.87e-03	-1.93e-03	6.58e-03	-6.41e-04	-3.31e-03
4	30	21	4.05e-02	-0.66	-0.14	-0.48	-0.31	1.35e-02	-7.29e-02	5.97e-03	-6.54e-02	-2.43e-02
4	30	28	0.34	-0.37	0.31	-0.34	-0.14	2.45e-03	-1.81e-02	-1.41e-02	-1.55e-03	8.14e-03
4	30	29	-0.28	-0.62	-0.39	-0.51	-0.16	-1.83e-02	-0.12	-2.45e-02	-0.12	-2.49e-02
4	30	36	0.40	-0.35	0.40	-0.35	-1.15e-02	4.42e-03	-1.44e-02	-1.44e-02	4.42e-03	-1.01e-05
4	30	37	-0.47	-0.53	-0.47	-0.53	-1.15e-02	-3.08e-02	-0.14	-3.08e-02	-0.14	-1.54e-05
4	30	44	0.33	-0.37	0.31	-0.35	0.12	2.52e-03	-1.80e-02	-1.40e-02	-1.50e-03	-8.16e-03
4	30	45	-0.30	-0.62	-0.40	-0.52	0.15	-1.82e-02	-0.12	-2.44e-02	-0.12	2.48e-02
4	30	52	0.15	-0.46	3.76e-02	-0.35	0.24	7.99e-03	-1.86e-03	6.74e-03	-6.07e-04	3.28e-03
4	30	53	3.34e-02	-0.68	-0.15	-0.50	0.31	1.40e-02	-7.27e-02	6.50e-03	-6.53e-02	2.43e-02
4	30	60	-1.50e-02	-0.64	-0.40	-0.26	0.31	3.32e-02	-2.91e-02	1.48e-03	2.62e-03	-3.11e-02
4	30	61	0.48	-0.79	0.25	-0.56	0.50	4.40e-02	-7.20e-02	2.67e-03	-3.07e-02	5.55e-02

4	30	68	-8.28e-02	-0.96	-0.81	-0.24	0.34	3.14e-02	1.02e-02	3.03e-02	1.12e-02	4.50e-03
4	30	69	0.80	-0.20	0.37	0.23	0.49	-1.88e-02	-5.63e-02	-5.59e-02	-1.92e-02	3.64e-03
4	31	7	110.41	18.39	19.06	109.73	7.86	-1.28	-6.65	-6.63	-1.30	0.35
4	31	8	36.52	-17.92	19.59	-0.99	-25.20	14.11	2.73	14.03	2.81	-0.95
4	31	9	110.48	18.25	18.81	109.91	-7.18	-1.33	-6.69	-6.67	-1.35	-0.33
4	31	10	36.28	-19.17	18.28	-1.17	25.97	14.25	2.75	14.17	2.83	0.97
4	31	20	108.81	18.75	18.79	108.77	1.69	-2.90e-02	-0.30	-0.30	-3.09e-02	2.30e-02
4	31	21	108.92	19.01	19.02	108.91	-1.22	-6.78e-02	-0.33	-0.33	-6.82e-02	-1.08e-02
4	31	28	106.66	18.64	18.64	106.66	-0.16	3.80e-02	-3.84e-02	-2.97e-02	2.93e-02	-2.42e-02
4	31	29	106.78	19.12	19.12	106.78	0.38	8.32e-03	-6.61e-02	-4.98e-02	-8.03e-03	3.08e-02
4	31	36	106.49	18.59	18.59	106.49	-1.14e-02	2.38e-02	-7.09e-02	-7.09e-02	2.38e-02	-8.40e-06
4	31	37	106.61	19.15	19.15	106.61	-1.14e-02	-1.55e-02	-8.97e-02	-8.97e-02	-1.55e-02	-1.40e-05
4	31	44	106.65	18.64	18.64	106.65	0.14	3.80e-02	-3.83e-02	-2.96e-02	2.94e-02	2.42e-02
4	31	45	106.77	19.11	19.11	106.77	-0.40	9.15e-03	-6.58e-02	-4.96e-02	-7.04e-03	-3.09e-02
4	31	52	108.79	18.75	18.78	108.76	-1.69	-2.89e-02	-0.30	-0.30	-3.09e-02	-2.31e-02
4	31	53	108.91	19.00	19.02	108.89	1.22	-6.77e-02	-0.33	-0.33	-6.81e-02	1.08e-02
4	31	60	110.40	18.39	19.06	109.73	-7.84	-1.28	-6.65	-6.63	-1.30	-0.35
4	31	61	110.48	18.24	18.81	109.91	7.20	-1.33	-6.69	-6.67	-1.35	0.33
4	31	68	36.55	-17.94	19.59	-0.99	25.22	14.11	2.73	14.03	2.81	0.95
4	31	69	36.26	-19.15	18.28	-1.17	-25.94	14.25	2.75	14.17	2.83	-0.97
4	32	7	-0.35	-1.24	-0.53	-1.05	-0.36	6.48e-02	-3.61e-03	4.92e-02	1.19e-02	2.87e-02
4	32	8	-0.20	-0.98	-0.95	-0.23	-0.15	-8.91e-03	-7.07e-02	-7.06e-02	-8.99e-03	2.28e-03
4	32	9	0.23	-1.48	0.11	-1.35	-0.45	7.91e-02	-4.92e-02	5.07e-02	-2.08e-02	-5.32e-02
4	32	10	0.92	-0.44	0.24	0.24	-0.68	-3.86e-02	-0.16	-0.16	-3.95e-02	-1.05e-02
4	32	20	-3.94e-02	-1.19	-9.75e-02	-1.13	-0.25	1.00e-02	-1.53e-03	8.87e-03	-3.85e-04	-3.45e-03
4	32	21	-0.20	-1.37	-0.28	-1.28	-0.30	1.61e-02	-7.21e-02	8.83e-03	-6.48e-02	-2.42e-02
4	32	28	0.19	-1.13	0.18	-1.12	-0.12	2.54e-03	-1.81e-02	-1.38e-02	-1.71e-03	8.34e-03
4	32	29	-0.51	-1.32	-0.54	-1.29	-0.15	-1.77e-02	-0.12	-2.41e-02	-0.12	-2.51e-02
4	32	36	0.26	-1.12	0.26	-1.12	1.14e-02	4.26e-03	-1.39e-02	-1.39e-02	4.26e-03	-4.12e-06
4	32	37	-0.61	-1.30	-0.61	-1.30	1.14e-02	-3.02e-02	-0.14	-3.02e-02	-0.14	9.15e-06
4	32	44	0.19	-1.13	0.18	-1.11	0.14	2.45e-03	-1.82e-02	-1.40e-02	-1.75e-03	-8.31e-03
4	32	45	-0.49	-1.32	-0.53	-1.28	0.17	-1.79e-02	-0.12	-2.42e-02	-0.12	2.51e-02
4	32	52	-3.70e-02	-1.18	-9.51e-02	-1.12	0.25	9.88e-03	-1.59e-03	8.71e-03	-4.19e-04	3.48e-03
4	32	53	-0.19	-1.35	-0.28	-1.27	0.30	1.56e-02	-7.22e-02	8.28e-03	-6.49e-02	2.42e-02
4	32	60	-0.36	-1.22	-0.53	-1.05	0.34	6.48e-02	-3.74e-03	4.91e-02	1.19e-02	-2.88e-02
4	32	61	0.23	-1.46	0.11	-1.35	0.43	7.88e-02	-4.91e-02	5.06e-02	-2.09e-02	5.31e-02
4	32	68	-0.21	-0.97	-0.95	-0.23	0.13	-8.83e-03	-7.03e-02	-7.02e-02	-8.92e-03	-2.32e-03
4	32	69	0.89	-0.42	0.24	0.24	0.65	-3.84e-02	-0.16	-0.16	-3.93e-02	1.05e-02
4	33	7	111.21	18.52	19.20	110.52	7.92	-1.29	-6.70	-6.68	-1.31	0.35
4	33	8	36.79	-18.04	19.74	-0.99	-25.38	14.21	2.75	14.13	2.83	-0.96
4	33	9	111.27	18.38	18.95	110.71	-7.23	-1.34	-6.74	-6.72	-1.36	-0.33
4	33	10	36.55	-19.31	18.41	-1.18	26.16	14.36	2.77	14.27	2.85	0.97
4	33	20	109.59	18.89	18.92	109.56	1.71	-2.92e-02	-0.30	-0.30	-3.11e-02	2.32e-02
4	33	21	109.71	19.14	19.16	109.69	-1.23	-6.82e-02	-0.33	-0.33	-6.87e-02	-1.09e-02
4	33	28	107.43	18.77	18.77	107.43	-0.16	3.83e-02	-3.87e-02	-2.99e-02	2.95e-02	-2.44e-02
4	33	29	107.55	19.25	19.26	107.55	0.38	8.40e-03	-6.66e-02	-5.01e-02	-8.07e-03	3.10e-02
4	33	36	107.25	18.73	18.73	107.25	-1.14e-02	2.39e-02	-7.14e-02	-7.14e-02	2.39e-02	4.12e-06
4	33	37	107.38	19.29	19.29	107.38	-1.14e-02	-1.56e-02	-9.03e-02	-9.03e-02	-1.56e-02	-9.15e-06
4	33	44	107.42	18.77	18.77	107.42	0.14	3.83e-02	-3.85e-02	-2.98e-02	2.96e-02	2.44e-02
4	33	45	107.54	19.25	19.25	107.54	-0.40	9.24e-03	-6.63e-02	-4.99e-02	-7.08e-03	-3.11e-02
4	33	52	109.58	18.89	18.92	109.55	-1.70	-2.91e-02	-0.30	-0.30	-3.11e-02	-2.32e-02
4	33	53	109.70	19.14	19.15	109.68	1.23	-6.82e-02	-0.33	-0.33	-6.86e-02	1.09e-02
4	33	60	111.20	18.52	19.20	110.52	-7.90	-1.29	-6.70	-6.68	-1.31	-0.35
4	33	61	111.27	18.38	18.94	110.71	7.25	-1.34	-6.74	-6.72	-1.36	0.33
4	33	68	36.81	-18.07	19.74	-0.99	25.41	14.21	2.75	14.13	2.83	0.96
4	33	69	36.52	-19.29	18.41	-1.18	-26.13	14.36	2.77	14.27	2.85	-0.97
4	34	7	-1.48e-02	-0.64	-0.40	-0.26	-0.31	3.32e-02	-2.91e-02	1.47e-03	2.62e-03	3.11e-02
4	34	8	-8.27e-02	-0.96	-0.81	-0.24	-0.34	3.14e-02	1.02e-02	3.03e-02	1.12e-02	-4.50e-03
4	34	9	0.48	-0.79	0.25	-0.56	-0.50	4.40e-02	-7.20e-02	2.65e-03	-3.07e-02	-5.55e-02
4	34	10	0.80	-0.20	0.37	0.23	-0.49	-1.88e-02	-5.62e-02	-5.59e-02	-1.92e-02	-3.64e-03
4	34	20	0.15	-0.46	3.75e-02	-0.35	-0.24	8.00e-03	-1.85e-03	6.75e-03	-6.06e-04	-3.27e-03
4	34	21	3.33e-02	-0.68	-0.15	-0.50	-0.31	1.40e-02	-7.27e-02	6.50e-03	-6.53e-02	-2.43e-02
4	34	28	0.33	-0.37	0.31	-0.35	-0.12	2.52e-03	-1.80e-02	-1.40e-02	-1.50e-03	8.16e-03
4	34	29	-0.30	-0.62	-0.40	-0.52	-0.15	-1.82e-02	-0.12	-2.44e-02	-0.12	-2.48e-02
4	34	36	0.40	-0.35	0.40	-0.35	1.14e-02	4.42e-03	-1.44e-02	-1.44e-02	4.42e-03	8.40e-06
4	34	37	-0.47	-0.53	-0.47	-0.53	1.14e-02	-3.08e-02	-0.14	-3.08e-02	-0.14	1.40e-05
4	34	44	0.34	-0.37	0.31	-0.34	0.14	2.45e-03	-1.81e-02	-1.41e-02	-1.55e-03	-8.14e-03
4	34	45	-0.28	-0.63	-0.39	-0.51	0.16	-1.83e-02	-0.12	-2.45e-02	-0.12	2.49e-02
4	34	52	0.16	-0.45	3.99e-02	-0.33	0.24	7.87e-03	-1.93e-03	6.58e-03	-6.39e-04	3.31e-03
4	34	53	4.08e-02	-0.66	-0.14	-0.48	0.31	1.35e-02	-7.29e-02	5.96e-03	-6.54e-02	2.43e-02
4	34	60	-2.88e-02	-0.62	-0.39	-0.26	0.29	3.32e-02	-2.92e-02	1.37e-03	2.61e-03	-3.12e-02
4	34	61	0.47	-0.78	0.25	-0.55	0.48	4.37e-02	-7.19e-02	2.50e-03	-3.07e-02	5.54e-02
4	34	68	-0.10	-0.94	-0.81	-0.24	0.31	3.17e-02	1.03e-02	3.07e-02	1.13e-02	4.48e-03
4	34	69	0.77	-0.17	0.37	0.23	0.47	-1.86e-02	-5.54e-02	-5.50e-02	-1.90e-02	3.60e-03
4	35	7	110.41	18.39	19.06	109.73	7.86	-1.28	-6.65	-6.63	-1.30	0.35
4	35	8	36.52	-17.92	19.59	-0.99	-25.20	14.11	2.73	14.03	2.81	-0.95
4	35	9	110.48	18.25	18.81	109.91	-7.18	-1.33	-6.69	-6.67	-1.35	-0.33

4	35	10	36.28	-19.17	18.28	-1.17	25.97	14.25	2.75	14.17	2.83	0.97
4	35	20	108.81	18.75	18.79	108.77	1.69	-2.90e-02	-0.30	-0.30	-3.09e-02	2.30e-02
4	35	21	108.92	19.01	19.02	108.91	-1.22	-6.78e-02	-0.33	-0.33	-6.82e-02	-1.08e-02
4	35	28	106.66	18.64	18.64	106.66	-0.16	3.80e-02	-3.84e-02	-2.97e-02	2.93e-02	-2.42e-02
4	35	29	106.78	19.12	19.12	106.78	0.38	8.32e-03	-6.61e-02	-4.98e-02	-8.03e-03	3.08e-02
4	35	36	106.49	18.59	18.59	106.49	-1.14e-02	2.38e-02	-7.09e-02	-7.09e-02	2.38e-02	3.93e-06
4	35	37	106.61	19.15	19.15	106.61	-1.14e-02	-1.55e-02	-8.97e-02	-8.97e-02	-1.55e-02	-9.81e-06
4	35	44	106.65	18.64	18.64	106.65	0.14	3.80e-02	-3.83e-02	-2.96e-02	2.94e-02	2.42e-02
4	35	45	106.77	19.11	19.11	106.77	-0.40	9.15e-03	-6.58e-02	-4.96e-02	-7.04e-03	-3.09e-02
4	35	52	108.79	18.75	18.78	108.76	-1.69	-2.89e-02	-0.30	-0.30	-3.09e-02	-2.31e-02
4	35	53	108.91	19.00	19.02	108.89	1.22	-6.77e-02	-0.33	-0.33	-6.81e-02	1.08e-02
4	35	60	110.40	18.39	19.06	109.73	-7.84	-1.28	-6.65	-6.63	-1.30	-0.35
4	35	61	110.48	18.24	18.81	109.91	7.20	-1.33	-6.69	-6.67	-1.35	0.33
4	35	68	36.55	-17.94	19.59	-0.99	25.22	14.11	2.73	14.03	2.81	0.95
4	35	69	36.26	-19.15	18.28	-1.17	-25.94	14.25	2.75	14.17	2.83	-0.97
4	36	7	-0.35	-1.24	-0.53	-1.05	-0.36	6.48e-02	-3.61e-03	4.92e-02	1.19e-02	2.87e-02
4	36	8	-0.20	-0.98	-0.95	-0.23	-0.15	-8.91e-03	-7.07e-02	-7.06e-02	-8.99e-03	2.29e-03
4	36	9	0.23	-1.48	0.11	-1.35	-0.45	7.91e-02	-4.92e-02	5.07e-02	-2.08e-02	-5.32e-02
4	36	10	0.92	-0.44	0.24	0.24	-0.68	-3.86e-02	-0.16	-0.16	-3.95e-02	-1.05e-02
4	36	20	-3.94e-02	-1.19	-9.75e-02	-1.13	-0.25	1.00e-02	-1.53e-03	8.87e-03	-3.86e-04	-3.45e-03
4	36	21	-0.20	-1.37	-0.28	-1.28	-0.30	1.61e-02	-7.21e-02	8.83e-03	-6.48e-02	-2.42e-02
4	36	28	0.19	-1.13	0.18	-1.12	-0.12	2.53e-03	-1.81e-02	-1.38e-02	-1.71e-03	8.33e-03
4	36	29	-0.51	-1.32	-0.54	-1.29	-0.15	-1.77e-02	-0.12	-2.41e-02	-0.12	-2.51e-02
4	36	36	0.26	-1.12	0.26	-1.12	1.14e-02	4.26e-03	-1.39e-02	-1.39e-02	4.26e-03	8.21e-06
4	36	37	-0.61	-1.30	-0.61	-1.30	1.14e-02	-3.02e-02	-0.14	-3.02e-02	-0.14	1.34e-05
4	36	44	0.19	-1.13	0.18	-1.11	0.14	2.46e-03	-1.82e-02	-1.40e-02	-1.75e-03	-8.31e-03
4	36	45	-0.49	-1.32	-0.53	-1.28	0.17	-1.79e-02	-0.12	-2.42e-02	-0.12	2.51e-02
4	36	52	-3.70e-02	-1.18	-9.51e-02	-1.12	0.25	9.88e-03	-1.60e-03	8.71e-03	-4.19e-04	3.48e-03
4	36	53	-0.19	-1.35	-0.28	-1.27	0.30	1.56e-02	-7.22e-02	8.28e-03	-6.49e-02	2.43e-02
4	36	60	-0.36	-1.22	-0.53	-1.05	0.34	6.48e-02	-3.74e-03	4.91e-02	1.19e-02	-2.88e-02
4	36	61	0.23	-1.46	0.11	-1.35	0.43	7.88e-02	-4.91e-02	5.06e-02	-2.09e-02	5.31e-02
4	36	68	-0.21	-0.97	-0.95	-0.23	0.13	-8.83e-03	-7.03e-02	-7.02e-02	-8.92e-03	-2.31e-02
4	36	69	0.89	-0.42	0.24	0.24	0.65	-3.84e-02	-0.16	-0.16	-3.93e-02	1.05e-02
4	37	7	111.21	18.52	19.20	110.52	7.92	-1.29	-6.70	-6.68	-1.31	0.35
4	37	8	36.79	-18.04	19.74	-0.99	-25.38	14.21	2.75	14.13	2.83	-0.96
4	37	9	111.27	18.38	18.95	110.71	-7.23	-1.34	-6.74	-6.72	-1.36	-0.33
4	37	10	36.55	-19.31	18.41	-1.18	26.16	14.36	2.77	14.27	2.85	0.97
4	37	20	109.59	18.89	18.92	109.56	1.71	-2.92e-02	-0.30	-0.30	-3.11e-02	2.32e-02
4	37	21	109.71	19.14	19.16	109.69	-1.23	-6.82e-02	-0.33	-0.33	-6.87e-02	-1.09e-02
4	37	28	107.43	18.77	18.77	107.43	-0.16	3.83e-02	-3.86e-02	-2.99e-02	2.95e-02	-2.44e-02
4	37	29	107.55	19.25	19.26	107.55	0.38	8.40e-03	-6.66e-02	-5.01e-02	-8.07e-03	3.10e-02
4	37	36	107.25	18.73	18.73	107.25	-1.14e-02	2.39e-02	-7.14e-02	-7.14e-02	2.39e-02	-8.21e-06
4	37	37	107.38	19.29	19.29	107.38	-1.14e-02	-1.56e-02	-9.03e-02	-9.03e-02	-1.56e-02	-1.34e-05
4	37	44	107.42	18.77	18.77	107.42	0.14	3.83e-02	-3.85e-02	-2.98e-02	2.96e-02	2.44e-02
4	37	45	107.54	19.25	19.25	107.54	-0.40	9.24e-03	-6.63e-02	-4.99e-02	-7.08e-03	-3.11e-02
4	37	52	109.58	18.89	18.92	109.55	-1.70	-2.91e-02	-0.30	-0.30	-3.11e-02	-2.32e-02
4	37	53	109.70	19.14	19.15	109.68	1.23	-6.82e-02	-0.33	-0.33	-6.86e-02	1.09e-02
4	37	60	111.20	18.52	19.20	110.52	-7.90	-1.29	-6.70	-6.68	-1.31	-0.35
4	37	61	111.27	18.38	18.94	110.71	7.25	-1.34	-6.74	-6.72	-1.36	0.33
4	37	68	36.81	-18.07	19.74	-0.99	25.41	14.21	2.75	14.13	2.83	0.96
4	37	69	36.52	-19.29	18.41	-1.18	-26.13	14.36	2.77	14.27	2.85	-0.97
4	38	7	-1.48e-02	-0.64	-0.40	-0.26	-0.31	3.32e-02	-2.91e-02	1.47e-03	2.62e-03	3.11e-02
4	38	8	-8.27e-02	-0.96	-0.81	-0.24	-0.34	3.14e-02	1.02e-02	3.03e-02	1.12e-02	-4.51e-03
4	38	9	0.48	-0.79	0.25	-0.56	-0.50	4.40e-02	-7.20e-02	2.65e-03	-3.07e-02	-5.55e-02
4	38	10	0.80	-0.20	0.37	0.23	-0.49	-1.88e-02	-5.62e-02	-5.59e-02	-1.92e-02	-3.63e-03
4	38	20	0.15	-0.46	3.75e-02	-0.35	-0.24	8.00e-03	-1.86e-03	6.75e-03	-6.06e-04	-3.28e-03
4	38	21	3.33e-02	-0.68	-0.15	-0.50	-0.31	1.40e-02	-7.27e-02	6.50e-03	-6.53e-02	-2.43e-02
4	38	28	0.33	-0.37	0.31	-0.35	-0.12	2.52e-03	-1.81e-02	-1.40e-02	-1.50e-03	8.16e-03
4	38	29	-0.30	-0.62	-0.40	-0.52	-0.15	-1.82e-02	-0.12	-2.44e-02	-0.12	-2.48e-02
4	38	36	0.40	-0.35	0.40	-0.35	1.14e-02	4.42e-03	-1.44e-02	-1.44e-02	4.42e-03	-3.93e-06
4	38	37	-0.47	-0.53	-0.47	-0.53	1.14e-02	-3.08e-02	-0.14	-3.08e-02	-0.14	9.81e-06
4	38	44	0.34	-0.37	0.31	-0.34	0.14	2.44e-03	-1.81e-02	-1.41e-02	-1.55e-03	-8.13e-03
4	38	45	-0.28	-0.63	-0.39	-0.51	0.16	-1.83e-02	-0.12	-2.45e-02	-0.12	2.49e-02
4	38	52	0.16	-0.45	3.99e-02	-0.33	0.24	7.87e-03	-1.92e-03	6.58e-03	-6.40e-04	3.31e-03
4	38	53	4.07e-02	-0.66	-0.14	-0.48	0.31	1.35e-02	-7.29e-02	5.96e-03	-6.54e-02	2.43e-02
4	38	60	-2.88e-02	-0.62	-0.39	-0.26	0.29	3.32e-02	-2.92e-02	1.37e-03	2.61e-03	-3.12e-02
4	38	61	0.47	-0.78	0.25	-0.55	0.48	4.37e-02	-7.19e-02	2.50e-02	-3.07e-02	5.54e-02
4	38	68	-0.10	-0.94	-0.81	-0.24	0.31	3.17e-02	1.03e-02	3.07e-02	1.13e-02	4.47e-03
4	38	69	0.77	-0.17	0.37	0.23	0.47	-1.86e-02	-5.54e-02	-5.50e-02	-1.90e-02	3.61e-03
4	39	7	0.29	-6.47e-02	-6.34e-02	0.29	-2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.74e-03
4	39	8	1.07e-02	-0.54	-0.39	-0.14	-0.25	7.94e-02	1.05e-02	7.94e-02	1.31e-02	-1.30e-02
4	39	9	0.36	-0.40	-0.11	6.34e-02	-0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.90e-03
4	39	10	0.18	-0.31	-0.15	1.57e-02	-0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	1.25e-02
4	39	20	0.29	0.11	0.11	0.29	8.04e-03	-1.77e-04	-5.81e-03	-5.68e-03	-3.00e-04	-8.24e-04
4	39	21	0.36	-0.18	4.68e-02	0.14	-0.26	-2.84e-03	-6.88e-03	-6.40e-03	-3.32e-03	1.31e-03
4	39	28	0.28	0.21	0.21	0.28	3.61e-03	3.74e-04	-3.93e-03	-3.90e-03	3.52e-04	-3.06e-04
4	39	29	0.26	7.74e-03	0.14	0.14	-0.13	-2.49e-03	-5.63e-03	-5.49e-03	-2.63e-03	6.47e-04

4	39	36	0.28	0.25	0.25	0.28	1.25e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	-7.30e-06
4	39	37	0.16	0.14	0.16	0.14	1.25e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	-1.52e-06
4	39	44	0.28	0.21	0.21	0.28	-1.84e-03	3.70e-04	-3.94e-03	-3.92e-03	3.47e-04	3.18e-04
4	39	45	0.27	6.58e-03	0.14	0.14	0.13	-2.60e-03	-5.66e-03	-5.52e-03	-2.74e-03	-6.46e-04
4	39	52	0.29	0.11	0.11	0.29	-8.21e-03	-1.82e-04	-5.83e-03	-5.70e-03	-3.04e-04	8.22e-04
4	39	53	0.36	-0.17	4.73e-02	0.14	0.26	-2.86e-03	-6.95e-03	-6.47e-03	-3.33e-03	-1.31e-03
4	39	60	0.29	-6.43e-02	-6.33e-02	0.29	1.90e-02	-6.71e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.75e-03
4	39	61	0.36	-0.40	-0.11	6.37e-02	0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	9.89e-03
4	39	68	8.14e-03	-0.54	-0.39	-0.14	0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	1.30e-02
4	39	69	0.17	-0.31	-0.15	1.57e-02	0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	-1.25e-02
4	40	7	0.29	-7.18e-02	-6.37e-02	0.28	-5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.64e-03
4	40	8	4.14e-02	-0.57	-0.39	-0.14	-0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	-1.31e-02
4	40	9	0.39	-0.43	-0.10	6.25e-02	-0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.96e-03
4	40	10	0.22	-0.33	-0.14	1.82e-02	-0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	1.25e-02
4	40	20	0.29	0.11	0.11	0.29	-1.87e-02	-1.69e-04	-5.65e-03	-5.54e-03	-2.83e-04	-7.82e-02
4	40	21	0.38	-0.21	4.50e-02	0.13	-0.29	-2.75e-03	-6.69e-03	-6.17e-03	-3.27e-03	1.33e-03
4	40	28	0.28	0.21	0.21	0.28	-1.26e-02	1.88e-04	-3.88e-03	-3.85e-03	1.62e-04	-3.26e-04
4	40	29	0.27	-1.56e-02	0.13	0.13	-0.14	-2.68e-03	-5.60e-03	-5.46e-03	-2.82e-03	6.30e-04
4	40	36	0.28	0.25	0.25	0.28	-1.30e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	-8.19e-06
4	40	37	0.15	0.13	0.15	0.13	-1.30e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	-4.54e-06
4	40	44	0.28	0.21	0.21	0.28	1.08e-02	1.94e-04	-3.87e-03	-3.84e-03	1.66e-04	3.33e-04
4	40	45	0.27	-1.46e-02	0.13	0.13	0.14	-2.57e-03	-5.60e-03	-5.46e-03	-2.72e-03	-6.37e-04
4	40	52	0.29	0.10	0.11	0.29	1.88e-02	-1.68e-04	-5.63e-03	-5.52e-03	-2.79e-04	7.73e-04
4	40	53	0.38	-0.21	4.40e-02	0.13	0.29	-2.73e-03	-6.65e-03	-6.12e-03	-3.27e-03	-1.34e-03
4	40	60	0.29	-7.27e-02	-6.38e-02	0.28	5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.63e-03
4	40	61	0.40	-0.44	-0.10	6.22e-02	0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	9.98e-03
4	40	68	4.40e-02	-0.58	-0.39	-0.14	0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	1.31e-02
4	40	69	0.22	-0.34	-0.14	1.82e-02	0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	-1.25e-02
4	41	7	0.29	-6.47e-02	-6.34e-02	0.29	-2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.74e-03
4	41	8	1.07e-02	-0.54	-0.39	-0.14	-0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	-1.30e-02
4	41	9	0.36	-0.40	-0.11	6.35e-02	-0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.90e-03
4	41	10	0.18	-0.31	-0.15	1.57e-02	-0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	1.25e-02
4	41	20	0.29	0.11	0.11	0.29	8.07e-03	-1.79e-04	-5.81e-03	-5.69e-03	-3.00e-04	-8.19e-04
4	41	21	0.36	-0.18	4.66e-02	0.14	-0.26	-2.84e-03	-6.89e-03	-6.41e-03	-3.32e-03	1.31e-03
4	41	28	0.28	0.21	0.21	0.28	3.63e-03	3.75e-04	-3.93e-03	-3.91e-03	3.52e-04	-3.15e-04
4	41	29	0.26	7.67e-03	0.14	0.14	-0.13	-2.49e-03	-5.65e-03	-5.51e-03	-2.63e-03	6.50e-04
4	41	36	0.28	0.25	0.25	0.28	1.30e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	8.19e-06
4	41	37	0.16	0.14	0.16	0.14	1.30e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	4.54e-06
4	41	44	0.28	0.21	0.21	0.28	-1.81e-03	3.69e-04	-3.94e-03	-3.91e-03	3.47e-04	3.09e-04
4	41	45	0.27	6.64e-03	0.14	0.14	0.13	-2.60e-03	-5.65e-03	-5.51e-03	-2.74e-03	-6.43e-04
4	41	52	0.29	0.11	0.11	0.29	-8.18e-03	-1.80e-04	-5.83e-03	-5.70e-03	-3.04e-04	8.28e-04
4	41	53	0.36	-0.17	4.75e-02	0.14	0.26	-2.85e-03	-6.93e-03	-6.46e-03	-3.33e-03	-1.30e-03
4	41	60	0.29	-6.43e-02	-6.33e-02	0.29	1.90e-02	-6.72e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.75e-03
4	41	61	0.36	-0.40	-0.11	6.37e-02	0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	9.88e-03
4	41	68	8.16e-03	-0.54	-0.39	-0.14	0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	1.30e-02
4	41	69	0.17	-0.31	-0.15	1.57e-02	0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	-1.25e-02
4	42	7	0.29	-7.18e-02	-6.37e-02	0.28	-5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.64e-03
4	42	8	4.14e-02	-0.57	-0.39	-0.14	-0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	-1.31e-02
4	42	9	0.39	-0.43	-0.10	6.25e-02	-0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.96e-03
4	42	10	0.22	-0.33	-0.14	1.82e-02	-0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	1.25e-02
4	42	20	0.29	0.11	0.11	0.29	-1.87e-02	-1.71e-04	-5.65e-03	-5.54e-03	-2.83e-04	-7.76e-04
4	42	21	0.38	-0.21	4.48e-02	0.13	-0.29	-2.75e-03	-6.70e-03	-6.18e-03	-3.27e-03	1.34e-03
4	42	28	0.28	0.21	0.21	0.28	-1.26e-02	1.89e-04	-3.88e-03	-3.85e-03	1.61e-04	-3.35e-04
4	42	29	0.27	-1.56e-02	0.13	0.13	-0.14	-2.68e-03	-5.61e-03	-5.47e-03	-2.83e-03	6.33e-04
4	42	36	0.28	0.25	0.25	0.28	-1.25e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	7.30e-06
4	42	37	0.15	0.13	0.15	0.13	-1.25e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	1.52e-06
4	42	44	0.28	0.21	0.21	0.28	1.08e-02	1.93e-04	-3.87e-03	-3.84e-03	1.67e-04	3.24e-04
4	42	45	0.27	-1.45e-02	0.13	0.13	0.14	-2.57e-03	-5.58e-03	-5.44e-03	-2.71e-03	-6.34e-04
4	42	52	0.29	0.10	0.11	0.29	1.88e-02	-1.66e-04	-5.63e-03	-5.52e-03	-2.79e-04	7.79e-04
4	42	53	0.38	-0.21	4.42e-02	0.13	0.29	-2.73e-03	-6.64e-03	-6.11e-03	-3.26e-03	-1.34e-03
4	42	60	0.29	-7.27e-02	-6.38e-02	0.28	5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.62e-03
4	42	61	0.40	-0.44	-0.10	6.22e-02	0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	9.98e-03
4	42	68	4.40e-02	-0.58	-0.39	-0.14	0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	1.31e-02
4	42	69	0.22	-0.34	-0.14	1.82e-02	0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	-1.25e-02
4	43	7	0.29	-6.43e-02	-6.33e-02	0.29	-1.90e-02	-6.71e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.75e-03
4	43	8	8.15e-03	-0.54	-0.39	-0.14	-0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	-1.30e-02
4	43	9	0.36	-0.40	-0.11	6.37e-02	-0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.88e-03
4	43	10	0.17	-0.31	-0.15	1.57e-02	-0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	1.25e-02
4	43	20	0.29	0.11	0.11	0.29	8.18e-03	-1.80e-04	-5.83e-03	-5.70e-03	-3.04e-04	-8.28e-04
4	43	21	0.36	-0.17	4.75e-02	0.14	-0.26	-2.85e-03	-6.93e-03	-6.46e-03	-3.33e-03	1.30e-03
4	43	28	0.28	0.21	0.21	0.28	1.82e-03	3.69e-04	-3.94e-03	-3.91e-03	3.47e-04	-3.09e-04
4	43	29	0.27	6.64e-03	0.14	0.14	-0.13	-2.60e-03	-5.65e-03	-5.51e-03	-2.74e-03	6.43e-04
4	43	36	0.28	0.25	0.25	0.28	-1.29e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	-7.98e-06
4	43	37	0.16	0.14	0.16	0.14	-1.29e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	-4.32e-06
4	43	44	0.28	0.21	0.21	0.28	-3.64e-03	3.75e-04	-3.93e-03	-3.90e-03	3.52e-04	3.15e-04
4	43	45	0.26	7.68e-03	0.14	0.14	0.13	-2.49e-03	-5.65e-03	-5.51e-03	-2.63e-03	-6.50e-04
4	43	52	0.29	0.11	0.11	0.29	-8.07e-03	-1.79e-04	-5.81e-03	-5.69e-03	-3.00e-04	8.19e-04

4	43	53	0.36	-0.18	4.66e-02	0.14	0.26	-2.84e-03	-6.89e-03	-6.41e-03	-3.32e-03	-1.31e-03
4	43	60	0.29	-6.47e-02	-6.34e-02	0.29	2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	-9.74e-03
4	43	61	0.36	-0.40	-0.11	6.34e-02	0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-02	9.90e-03
4	43	68	1.07e-02	-0.54	-0.39	-0.14	0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	1.30e-02
4	43	69	0.18	-0.31	-0.15	1.57e-02	0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	-1.25e-02
4	44	7	0.29	-7.27e-02	-6.38e-02	0.28	-5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.62e-03
4	44	8	4.40e-02	-0.58	-0.39	-0.14	-0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	-1.31e-02
4	44	9	0.40	-0.44	-0.10	6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.97e-03
4	44	10	0.22	-0.34	-0.14	1.82e-02	-0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	1.25e-02
4	44	20	0.29	0.10	0.11	0.29	-1.88e-02	-1.66e-04	-5.63e-03	-5.52e-03	-2.79e-04	-7.79e-04
4	44	21	0.38	-0.21	4.42e-02	0.13	-0.29	-2.73e-03	-6.64e-03	-6.11e-03	-3.26e-03	1.34e-03
4	44	28	0.28	0.21	0.21	0.28	-1.08e-02	1.93e-04	-3.87e-03	-3.84e-03	1.67e-04	-3.24e-04
4	44	29	0.27	-1.45e-02	0.13	0.13	-0.14	-2.57e-03	-5.58e-03	-5.44e-03	-2.71e-03	6.34e-04
4	44	36	0.28	0.25	0.25	0.28	1.24e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	-7.50e-06
4	44	37	0.15	0.13	0.15	0.13	1.24e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	-1.74e-04
4	44	44	0.28	0.21	0.21	0.28	1.26e-02	1.89e-04	-3.88e-03	-3.85e-03	1.61e-04	3.35e-04
4	44	45	0.27	-1.57e-02	0.13	0.13	0.14	-2.68e-03	-5.61e-03	-5.47e-03	-2.83e-03	-6.33e-04
4	44	52	0.29	0.11	0.11	0.29	1.87e-02	-1.71e-04	-5.65e-03	-5.54e-03	-2.83e-04	7.77e-04
4	44	53	0.38	-0.21	4.48e-02	0.13	0.29	-2.75e-03	-6.70e-03	-6.18e-03	-3.27e-03	-1.34e-03
4	44	60	0.29	-7.19e-02	-6.37e-02	0.28	5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.64e-03
4	44	61	0.39	-0.43	-0.10	6.25e-02	0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	9.96e-03
4	44	68	4.14e-02	-0.57	-0.39	-0.14	0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	1.31e-02
4	44	69	0.22	-0.33	-0.14	1.82e-02	0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	-1.25e-02
4	45	7	0.29	-6.43e-02	-6.33e-02	0.29	-1.90e-02	-6.71e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.75e-03
4	45	8	8.14e-03	-0.54	-0.39	-0.14	-0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	-1.30e-02
4	45	9	0.36	-0.40	-0.11	6.37e-02	-0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.89e-03
4	45	10	0.17	-0.31	-0.15	1.57e-02	-0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	1.25e-02
4	45	20	0.29	0.11	0.11	0.29	8.21e-03	-1.82e-04	-5.83e-03	-5.71e-03	-3.04e-04	-8.22e-04
4	45	21	0.36	-0.17	4.73e-02	0.14	-0.26	-2.86e-03	-6.95e-03	-6.47e-03	-3.33e-03	1.31e-03
4	45	28	0.28	0.21	0.21	0.28	1.84e-03	3.70e-04	-3.94e-03	-3.92e-03	3.47e-04	-3.18e-04
4	45	29	0.27	6.58e-03	0.14	0.14	-0.13	-2.60e-03	-5.66e-03	-5.52e-03	-2.74e-03	6.46e-04
4	45	36	0.28	0.25	0.25	0.28	-1.24e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	7.50e-06
4	45	37	0.16	0.14	0.16	0.14	-1.24e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	1.74e-06
4	45	44	0.28	0.21	0.21	0.28	-3.61e-03	3.74e-04	-3.92e-03	-3.90e-03	3.52e-04	3.06e-04
4	45	45	0.26	7.75e-03	0.14	0.14	0.13	-2.49e-03	-5.63e-03	-5.50e-03	-2.63e-03	-6.47e-04
4	45	52	0.29	0.11	0.11	0.29	-8.05e-03	-1.77e-04	-5.81e-03	-5.68e-03	-3.00e-04	8.24e-04
4	45	53	0.36	-0.18	4.68e-02	0.14	0.26	-2.84e-03	-6.88e-03	-6.40e-03	-3.32e-03	-1.31e-03
4	45	60	0.29	-6.47e-02	-6.34e-02	0.29	2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	-9.73e-03
4	45	61	0.36	-0.40	-0.11	6.34e-02	0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	9.90e-03
4	45	68	1.07e-02	-0.54	-0.39	-0.14	0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	1.30e-02
4	45	69	0.18	-0.31	-0.15	1.57e-02	0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	-1.25e-02
4	46	7	0.29	-7.27e-02	-6.38e-02	0.28	-5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.63e-03
4	46	8	4.40e-02	-0.58	-0.39	-0.14	-0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	-1.31e-02
4	46	9	0.40	-0.44	-0.10	6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.98e-03
4	46	10	0.22	-0.34	-0.14	1.82e-02	-0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	1.25e-02
4	46	20	0.29	0.10	0.11	0.29	-1.88e-02	-1.68e-04	-5.63e-03	-5.52e-03	-2.79e-04	-7.73e-04
4	46	21	0.38	-0.21	4.40e-02	0.13	-0.29	-2.73e-03	-6.65e-03	-6.12e-03	-3.27e-03	1.34e-03
4	46	28	0.28	0.21	0.21	0.28	-1.08e-02	1.94e-04	-3.87e-03	-3.84e-03	1.66e-04	-3.32e-04
4	46	29	0.27	-1.46e-02	0.13	0.13	-0.14	-2.57e-03	-5.60e-03	-5.46e-03	-2.72e-03	6.37e-04
4	46	36	0.28	0.25	0.25	0.28	1.29e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	7.98e-06
4	46	37	0.15	0.13	0.15	0.13	1.29e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	4.32e-06
4	46	44	0.28	0.21	0.21	0.28	1.26e-02	1.88e-04	-3.88e-03	-3.85e-03	1.62e-04	3.26e-04
4	46	45	0.27	-1.56e-02	0.13	0.13	0.14	-2.68e-03	-5.60e-03	-5.46e-03	-2.82e-03	-6.30e-04
4	46	52	0.29	0.11	0.11	0.29	1.87e-02	-1.69e-04	-5.65e-03	-5.54e-03	-2.83e-03	7.82e-04
4	46	53	0.38	-0.21	4.50e-02	0.13	0.29	-2.75e-03	-6.69e-03	-6.17e-03	-3.27e-03	-1.33e-03
4	46	60	0.29	-7.19e-02	-6.37e-02	0.28	5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.64e-03
4	46	61	0.39	-0.43	-0.10	6.25e-02	0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	9.96e-03
4	46	68	4.14e-02	-0.57	-0.39	-0.14	0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	1.31e-02
4	46	69	0.22	-0.33	-0.14	1.82e-02	0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	-1.25e-02
4	47	7	0.29	-6.47e-02	-6.34e-02	0.29	-2.11e-02	-6.73e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.73e-03
4	47	8	1.07e-02	-0.54	-0.39	-0.14	-0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	-1.30e-02
4	47	9	0.36	-0.40	-0.11	6.35e-02	-0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.90e-03
4	47	10	0.18	-0.31	-0.15	1.57e-02	-0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	1.25e-02
4	47	20	0.29	0.11	0.11	0.29	8.07e-03	-1.78e-04	-5.81e-03	-5.69e-03	-3.00e-04	-8.19e-04
4	47	21	0.36	-0.18	4.68e-02	0.14	-0.26	-2.83e-03	-6.88e-03	-6.40e-03	-3.32e-03	1.31e-03
4	47	28	0.28	0.21	0.21	0.28	3.63e-03	3.75e-04	-3.93e-03	-3.90e-03	3.52e-04	-3.15e-04
4	47	29	0.26	7.75e-03	0.14	0.14	-0.13	-2.49e-03	-5.64e-03	-5.49e-03	-2.63e-03	6.50e-04
4	47	36	0.28	0.25	0.25	0.28	1.29e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	7.94e-06
4	47	37	0.16	0.14	0.16	0.14	1.29e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	3.73e-06
4	47	44	0.28	0.21	0.21	0.28	-1.82e-03	3.69e-04	-3.94e-03	-3.92e-03	3.47e-04	3.09e-04
4	47	45	0.27	6.56e-03	0.14	0.14	0.13	-2.60e-03	-5.66e-03	-5.52e-03	-2.74e-03	-6.43e-04
4	47	52	0.29	0.11	0.11	0.29	-8.18e-03	-1.80e-04	-5.83e-03	-5.70e-03	-3.04e-04	8.27e-04
4	47	53	0.36	-0.17	4.73e-02	0.14	0.26	-2.86e-03	-6.94e-03	-6.47e-03	-3.33e-03	-1.30e-03
4	47	60	0.29	-6.43e-02	-6.33e-02	0.29	1.90e-02	-6.71e-03	-3.24e-02	-2.79e-02	-1.12e-02	-9.75e-03
4	47	61	0.36	-0.40	-0.11	6.37e-02	0.37	9.40e-03	-2.36e-02	-2.03e-02	6.12e-03	9.88e-03
4	47	68	8.14e-03	-0.54	-0.39	-0.14	0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	1.30e-02
4	47	69	0.17	-0.31	-0.15	1.57e-02	0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	-1.25e-02

4	48	7	0.29	-7.18e-02	-6.37e-02	0.28	-5.39e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.63e-03
4	48	8	4.14e-02	-0.57	-0.39	-0.14	-0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	-1.31e-02
4	48	9	0.39	-0.43	-0.10	6.25e-02	-0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.96e-03
4	48	10	0.22	-0.33	-0.14	1.82e-02	-0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	1.25e-02
4	48	20	0.29	0.11	0.11	0.29	-1.87e-02	-1.70e-04	-5.65e-03	-5.54e-03	-2.83e-04	-7.77e-04
4	48	21	0.38	-0.21	4.50e-02	0.13	-0.29	-2.75e-03	-6.69e-03	-6.17e-03	-3.27e-03	1.34e-03
4	48	28	0.28	0.21	0.21	0.28	-1.26e-02	1.89e-04	-3.88e-03	-3.85e-03	1.62e-04	-3.35e-04
4	48	29	0.27	-1.56e-02	0.13	0.13	-0.14	-2.68e-03	-5.60e-03	-5.46e-03	-2.82e-03	6.33e-04
4	48	36	0.28	0.25	0.25	0.28	-1.26e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	7.06e-06
4	48	37	0.15	0.13	0.15	0.13	-1.26e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	
4	48	44	0.28	0.21	0.21	0.28	1.08e-02	1.93e-04	-3.87e-03	-3.84e-03	1.67e-04	3.24e-04
4	48	45	0.27	-1.46e-02	0.13	0.13	0.14	-2.58e-03	-5.59e-03	-5.45e-03	-2.72e-03	-6.34e-04
4	48	52	0.29	0.10	0.11	0.29	1.88e-02	-1.66e-04	-5.63e-03	-5.52e-03	-2.79e-04	7.79e-04
4	48	53	0.38	-0.21	4.40e-02	0.13	0.29	-2.74e-03	-6.65e-03	-6.12e-03	-3.27e-03	-1.34e-03
4	48	60	0.29	-7.27e-02	-6.39e-02	0.28	5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.63e-03
4	48	61	0.40	-0.44	-0.10	6.22e-02	0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	9.98e-03
4	48	68	4.40e-02	-0.58	-0.39	-0.14	0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	1.31e-02
4	48	69	0.22	-0.34	-0.14	1.82e-02	0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	-1.25e-02
4	49	7	0.29	-6.47e-02	-6.34e-02	0.29	-2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.74e-03
4	49	8	1.07e-02	-0.54	-0.39	-0.14	-0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	-1.30e-02
4	49	9	0.36	-0.40	-0.11	6.34e-02	-0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.90e-03
4	49	10	0.18	-0.31	-0.15	1.57e-02	-0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	1.25e-02
4	49	20	0.29	0.11	0.11	0.29	8.05e-03	-1.77e-04	-5.81e-03	-5.69e-03	-3.00e-04	-8.24e-04
4	49	21	0.36	-0.18	4.66e-02	0.14	-0.26	-2.84e-03	-6.89e-03	-6.41e-03	-3.32e-03	1.31e-03
4	49	28	0.28	0.21	0.21	0.28	3.61e-03	3.74e-04	-3.93e-03	-3.90e-03	3.52e-04	-3.06e-04
4	49	29	0.26	7.65e-03	0.14	0.14	-0.13	-2.49e-03	-5.64e-03	-5.50e-03	-2.63e-03	6.47e-04
4	49	36	0.28	0.25	0.25	0.28	1.26e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	-7.06e-06
4	49	37	0.16	0.14	0.16	0.14	1.26e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	
4	49	44	0.28	0.21	0.21	0.28	-1.83e-03	3.70e-04	-3.94e-03	-3.92e-03	3.47e-04	3.17e-04
4	49	45	0.27	6.66e-03	0.14	0.14	0.13	-2.60e-03	-5.65e-03	-5.51e-03	-2.74e-03	-6.46e-04
4	49	52	0.29	0.11	0.11	0.29	-8.21e-03	-1.81e-04	-5.83e-03	-5.70e-03	-3.04e-04	8.22e-04
4	49	53	0.36	-0.17	4.75e-02	0.14	0.26	-2.85e-03	-6.93e-03	-6.46e-03	-3.33e-03	-1.31e-03
4	49	60	0.29	-6.43e-02	-6.33e-02	0.29	1.90e-02	-6.72e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.74e-03
4	49	61	0.36	-0.40	-0.11	6.37e-02	0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	9.89e-03
4	49	68	8.16e-03	-0.54	-0.39	-0.14	0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	1.30e-02
4	49	69	0.17	-0.31	-0.15	1.57e-02	0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	-1.25e-02
4	50	7	0.29	-7.19e-02	-6.37e-02	0.28	-5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.64e-03
4	50	8	4.14e-02	-0.57	-0.39	-0.14	-0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	-1.31e-02
4	50	9	0.39	-0.43	-0.10	6.25e-02	-0.41	9.46e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.96e-03
4	50	10	0.22	-0.33	-0.14	1.82e-02	-0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	1.25e-02
4	50	20	0.29	0.11	0.11	0.29	-1.87e-02	-1.69e-04	-5.65e-03	-5.54e-03	-2.83e-04	-7.82e-04
4	50	21	0.38	-0.21	4.48e-02	0.13	-0.29	-2.76e-03	-6.70e-03	-6.18e-03	-3.27e-03	1.33e-03
4	50	28	0.28	0.21	0.21	0.28	-1.26e-02	1.88e-04	-3.88e-03	-3.85e-03	1.62e-04	-3.27e-04
4	50	29	0.27	-1.57e-02	0.13	0.13	-0.14	-2.68e-03	-5.61e-03	-5.47e-03	-2.83e-03	6.30e-04
4	50	36	0.28	0.25	0.25	0.28	-1.29e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	-7.94e-06
4	50	37	0.15	0.13	0.15	0.13	-1.29e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	-7.73e-06
4	50	44	0.28	0.21	0.21	0.28	1.08e-02	1.94e-04	-3.87e-03	-3.84e-03	1.67e-04	3.32e-04
4	50	45	0.27	-1.45e-02	0.13	0.13	0.14	-2.57e-03	-5.59e-03	-5.44e-03	-2.71e-03	-6.36e-04
4	50	52	0.29	0.10	0.11	0.29	1.88e-02	-1.67e-04	-5.63e-03	-5.52e-03	-2.79e-04	7.74e-04
4	50	53	0.38	-0.21	4.42e-02	0.13	0.29	-2.73e-03	-6.64e-03	-6.11e-03	-3.26e-03	-1.34e-03
4	50	60	0.29	-7.27e-02	-6.38e-02	0.28	5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.62e-03
4	50	61	0.40	-0.43	-0.10	6.22e-02	0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	9.98e-03
4	50	68	4.40e-02	-0.58	-0.39	-0.14	0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	1.31e-02
4	50	69	0.22	-0.34	-0.14	1.82e-02	0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	-1.25e-02
4	51	7	0.29	-6.43e-02	-6.33e-02	0.29	-1.90e-02	-6.72e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.74e-03
4	51	8	8.15e-03	-0.54	-0.39	-0.14	-0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	-1.30e-02
4	51	9	0.36	-0.40	-0.11	6.37e-02	-0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.89e-03
4	51	10	0.17	-0.31	-0.15	1.57e-02	-0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	1.25e-02
4	51	20	0.29	0.11	0.11	0.29	8.21e-03	-1.81e-04	-5.83e-03	-5.70e-03	-3.04e-04	-8.23e-04
4	51	21	0.36	-0.17	4.75e-02	0.14	-0.26	-2.85e-03	-6.93e-03	-6.46e-03	-3.33e-03	1.31e-03
4	51	28	0.28	0.21	0.21	0.28	1.84e-03	3.71e-04	-3.94e-03	-3.92e-03	3.47e-04	-3.17e-04
4	51	29	0.27	6.66e-03	0.14	0.14	-0.13	-2.59e-03	-5.65e-03	-5.51e-03	-2.74e-03	6.46e-04
4	51	36	0.28	0.25	0.25	0.28	-1.26e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	7.26e-06
4	51	37	0.16	0.14	0.16	0.14	-1.26e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	
4	51	44	0.28	0.21	0.21	0.28	-3.62e-03	3.74e-04	-3.93e-03	-3.90e-03	3.52e-04	3.06e-04
4	51	45	0.26	7.66e-03	0.14	0.14	0.13	-2.49e-03	-5.64e-03	-5.51e-03	-2.63e-03	-6.47e-04
4	51	52	0.29	0.11	0.11	0.29	-8.05e-03	-1.77e-04	-5.81e-03	-5.69e-03	-3.00e-04	8.24e-04
4	51	53	0.36	-0.18	4.66e-02	0.14	0.26	-2.84e-03	-6.89e-03	-6.41e-03	-3.32e-03	-1.31e-03
4	51	60	0.29	-6.47e-02	-6.34e-02	0.29	2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	-9.74e-03
4	51	61	0.36	-0.40	-0.11	6.34e-02	0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	9.90e-03
4	51	68	1.07e-02	-0.54	-0.39	-0.14	0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	1.30e-02
4	51	69	0.18	-0.31	-0.15	1.57e-02	0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	-1.25e-02
4	52	7	0.29	-7.27e-02	-6.38e-02	0.28	-5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.62e-03
4	52	8	4.40e-02	-0.58	-0.39	-0.14	-0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	-1.31e-02
4	52	9	0.40	-0.43	-0.10	6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.98e-03
4	52	10	0.22	-0.34	-0.14	1.82e-02	-0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	1.25e-02
4	52	20	0.29	0.10	0.11	0.29	-1.88e-02	-1.67e-04	-5.63e-03	-5.52e-03	-2.79e-04	-7.73e-04

4	52	21	0.38	-0.21	4.42e-02	0.13	-0.29	-2.73e-03	-6.64e-03	-6.11e-03	-3.26e-03	1.34e-03
4	52	28	0.28	0.21	0.21	0.28	-1.08e-02	1.94e-04	-3.87e-03	-3.84e-03	1.67e-04	-3.32e-04
4	52	29	0.27	-1.45e-02	0.13	0.13	-0.14	-2.57e-03	-5.59e-03	-5.44e-03	-2.71e-03	6.37e-04
4	52	36	0.28	0.25	0.25	0.28	1.28e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	7.74e-06
4	52	37	0.15	0.13	0.15	0.13	1.28e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	3.51e-06
4	52	44	0.28	0.21	0.21	0.28	1.26e-02	1.88e-04	-3.88e-03	-3.85e-03	1.62e-04	3.27e-04
4	52	45	0.27	-1.57e-02	0.13	0.13	0.14	-2.68e-03	-5.61e-03	-5.47e-03	-2.83e-03	-6.30e-04
4	52	52	0.29	0.11	0.11	0.29	1.87e-02	-1.69e-04	-5.65e-03	-5.54e-03	-2.83e-04	7.82e-04
4	52	53	0.38	-0.21	4.48e-02	0.13	0.29	-2.76e-03	-6.70e-03	-6.18e-03	-3.27e-03	-1.33e-03
4	52	60	0.29	-7.19e-02	-6.37e-02	0.28	5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.64e-03
4	52	61	0.39	-0.43	-0.10	6.25e-02	0.41	9.46e-03	-2.37e-02	-2.03e-02	6.14e-03	9.96e-03
4	52	68	4.14e-02	-0.57	-0.39	-0.14	0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	1.31e-02
4	52	69	0.22	-0.33	-0.14	1.82e-02	0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	-1.25e-02
4	53	7	0.29	-6.43e-02	-6.33e-02	0.29	-1.90e-02	-6.71e-03	-3.24e-02	-2.79e-02	-1.12e-02	9.75e-03
4	53	8	8.14e-03	-0.54	-0.39	-0.14	-0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	-1.30e-02
4	53	9	0.36	-0.40	-0.11	6.37e-02	-0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.88e-03
4	53	10	0.17	-0.31	-0.15	1.57e-02	-0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	1.25e-02
4	53	20	0.29	0.11	0.11	0.29	8.18e-03	-1.80e-04	-5.83e-03	-5.70e-03	-3.04e-04	-8.28e-04
4	53	21	0.36	-0.17	4.73e-02	0.14	-0.26	-2.86e-03	-6.94e-03	-6.47e-03	-3.33e-03	1.30e-03
4	53	28	0.28	0.21	0.21	0.28	1.82e-03	3.69e-04	-3.94e-03	-3.92e-03	3.47e-04	-3.09e-04
4	53	29	0.27	6.56e-03	0.14	0.14	-0.13	-2.60e-03	-5.66e-03	-5.52e-03	-2.74e-03	6.43e-04
4	53	36	0.28	0.25	0.25	0.28	-1.28e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	-7.74e-06
4	53	37	0.16	0.14	0.16	0.14	-1.28e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	-3.51e-06
4	53	44	0.28	0.21	0.21	0.28	-3.63e-03	3.75e-04	-3.93e-03	-3.90e-03	3.52e-04	3.15e-04
4	53	45	0.26	7.77e-03	0.14	0.14	0.13	-2.49e-03	-5.64e-03	-5.50e-03	-2.63e-03	-6.50e-04
4	53	52	0.29	0.11	0.11	0.29	-8.08e-03	-1.78e-04	-5.81e-03	-5.69e-03	-3.00e-04	8.19e-04
4	53	53	0.36	-0.18	4.68e-02	0.14	0.26	-2.83e-03	-6.88e-03	-6.40e-03	-3.32e-03	-1.31e-03
4	53	60	0.29	-6.47e-02	-6.34e-02	0.29	2.11e-02	-6.73e-03	-3.23e-02	-2.78e-02	-1.12e-02	-9.73e-03
4	53	61	0.36	-0.40	-0.11	6.35e-02	0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	9.90e-03
4	53	68	1.07e-02	-0.54	-0.39	-0.14	0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	1.30e-02
4	53	69	0.18	-0.31	-0.15	1.57e-02	0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	-1.25e-02
4	54	7	0.29	-7.27e-02	-6.38e-02	0.28	-5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.63e-03
4	54	8	4.40e-02	-0.58	-0.39	-0.14	-0.28	7.89e-02	1.04e-02	7.30e-02	1.30e-02	-1.31e-02
4	54	9	0.40	-0.44	-0.10	6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.98e-03
4	54	10	0.22	-0.34	-0.14	1.82e-02	-0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	1.25e-02
4	54	20	0.29	0.10	0.11	0.29	-1.88e-02	-1.66e-04	-5.63e-03	-5.52e-03	-2.79e-04	-7.78e-04
4	54	21	0.38	-0.21	4.40e-02	0.13	-0.29	-2.74e-03	-6.65e-03	-6.12e-03	-3.27e-03	1.34e-03
4	54	28	0.28	0.21	0.21	0.28	-1.08e-02	1.93e-04	-3.87e-03	-3.84e-03	1.67e-04	-3.24e-04
4	54	29	0.27	-1.46e-02	0.13	0.13	-0.14	-2.58e-03	-5.59e-03	-5.45e-03	-2.72e-03	6.34e-04
4	54	36	0.28	0.25	0.25	0.28	1.26e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	-7.26e-06
4	54	37	0.15	0.13	0.15	0.13	1.26e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	3.51e-06
4	54	44	0.28	0.21	0.21	0.28	1.26e-02	1.89e-04	-3.88e-03	-3.85e-03	1.62e-04	3.35e-04
4	54	45	0.27	-1.56e-02	0.13	0.13	0.14	-2.68e-03	-5.60e-03	-5.46e-03	-2.82e-03	-6.33e-04
4	54	52	0.29	0.11	0.11	0.29	1.87e-02	-1.70e-04	-5.65e-03	-5.54e-03	-2.83e-04	7.77e-04
4	54	53	0.38	-0.21	4.50e-02	0.13	0.29	-2.75e-03	-6.69e-03	-6.17e-03	-3.27e-03	-1.34e-03
4	54	60	0.29	-7.19e-02	-6.37e-02	0.28	5.39e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.63e-03
4	54	61	0.39	-0.43	-0.10	6.25e-02	0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	9.96e-03
4	54	68	4.14e-02	-0.57	-0.39	-0.14	0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	1.31e-02
4	54	69	0.22	-0.33	-0.14	1.82e-02	0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	-1.25e-02
4	55	7	0.29	-6.40e-02	-6.31e-02	0.29	1.71e-02	-6.62e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.85e-03
4	55	8	-2.40e-02	-0.51	-0.39	-0.14	-0.21	8.00e-02	1.07e-02	7.74e-02	1.32e-02	-1.30e-02
4	55	9	0.32	-0.37	-0.12	6.46e-02	-0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	-9.83e-03
4	55	10	0.13	-0.29	-0.17	1.27e-02	-0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02
4	55	20	0.31	0.10	0.11	0.30	3.93e-02	-1.86e-04	-5.99e-03	-5.86e-03	-3.20e-04	-8.72e-04
4	55	21	0.33	-0.14	4.88e-02	0.14	-0.23	-2.93e-03	-7.12e-03	-6.68e-03	-3.37e-03	1.28e-03
4	55	28	0.30	0.21	0.21	0.29	2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	-2.85e-04
4	55	29	0.25	3.49e-02	0.15	0.14	-0.11	-2.26e-03	-5.67e-03	-5.54e-03	-2.40e-03	6.68e-04
4	55	36	0.29	0.25	0.25	0.29	4.24e-03	7.56e-04	-4.09e-03	-4.09e-03	7.56e-04	
4	55	37	0.18	0.15	0.18	0.15	4.24e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	4.13e-06
4	55	44	0.30	0.21	0.21	0.29	-1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.57e-04	2.97e-04
4	55	45	0.26	3.12e-02	0.15	0.15	0.11	-2.62e-03	-5.74e-03	-5.60e-03	-2.77e-03	-6.56e-04
4	55	52	0.31	0.10	0.11	0.30	-3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.33e-04	8.81e-04
4	55	53	0.34	-0.14	5.12e-02	0.15	0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	-1.27e-03
4	55	60	0.29	-6.42e-02	-6.26e-02	0.29	-2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.89e-03
4	55	61	0.31	-0.36	-0.12	6.55e-02	0.33	9.32e-03	-2.35e-02	-2.03e-02	6.09e-03	9.78e-03
4	55	68	-3.22e-02	-0.50	-0.39	-0.14	0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
4	55	69	0.13	-0.28	-0.16	1.29e-02	0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	-1.26e-02
4	56	7	0.31	-8.70e-02	-6.40e-02	0.28	-9.22e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	9.52e-03
4	56	8	7.79e-02	-0.61	-0.39	-0.14	-0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	-1.31e-02
4	56	9	0.44	-0.47	-9.12e-02	6.14e-02	-0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	-1.00e-02
4	56	10	0.26	-0.36	-0.12	2.12e-02	-0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	1.25e-02
4	56	20	0.29	9.27e-02	0.11	0.28	-4.99e-02	-1.60e-04	-5.46e-03	-5.36e-03	-2.63e-04	-7.31e-04
4	56	21	0.41	-0.24	4.28e-02	0.12	-0.32	-2.65e-03	-6.47e-03	-5.89e-03	-3.22e-03	1.36e-03
4	56	28	0.29	0.20	0.21	0.27	-3.16e-02	-2.74e-05	-3.82e-03	-3.79e-03	-6.06e-05	-3.53e-04
4	56	29	0.28	-4.28e-02	0.12	0.12	-0.16	-2.90e-03	-5.57e-03	-5.43e-03	-3.05e-03	6.11e-04
4	56	36	0.27	0.24	0.24	0.27	-4.25e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	-3.80e-06
4	56	37	0.14	0.12	0.14	0.12	-4.25e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	-5.94e-06

4	56	44	0.28	0.20	0.21	0.27	2.56e-02	-1.17e-05	-3.79e-03	-3.76e-03	-4.38e-05	3.47e-04
4	56	45	0.27	-3.92e-02	0.12	0.12	0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.68e-03	-6.25e-04
4	56	52	0.29	9.14e-02	0.11	0.28	5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	7.18e-04
4	56	53	0.40	-0.24	4.02e-02	0.12	0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	-1.38e-03
4	56	60	0.31	-9.10e-02	-6.45e-02	0.28	9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	-9.48e-03
4	56	61	0.44	-0.47	-9.29e-02	6.04e-02	0.45	9.57e-03	-2.37e-02	-2.03e-02	6.16e-03	1.01e-02
4	56	68	8.69e-02	-0.62	-0.39	-0.14	0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	1.31e-02
4	56	69	0.27	-0.37	-0.12	2.10e-02	0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	-1.25e-02
4	57	7	0.29	-6.40e-02	-6.31e-02	0.29	1.71e-02	-6.62e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.85e-03
4	57	8	-2.40e-02	-0.51	-0.39	-0.14	-0.21	8.00e-02	1.07e-02	7.74e-02	1.32e-02	-1.29e-02
4	57	9	0.32	-0.37	-0.12	6.46e-02	-0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	-9.83e-03
4	57	10	0.13	-0.29	-0.17	1.27e-02	-0.19	7.71e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02
4	57	20	0.31	0.10	0.11	0.30	3.93e-02	-1.87e-04	-5.99e-03	-5.86e-03	-3.20e-04	-8.70e-04
4	57	21	0.33	-0.14	4.87e-02	0.14	-0.23	-2.93e-03	-7.12e-03	-6.69e-03	-3.37e-03	1.28e-03
4	57	28	0.30	0.21	0.21	0.29	2.26e-02	5.92e-04	-3.98e-03	-3.97e-03	5.74e-04	-2.88e-04
4	57	29	0.25	3.49e-02	0.15	0.14	-0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	6.69e-04
4	57	36	0.29	0.25	0.25	0.29	4.25e-03	7.56e-04	-4.09e-03	-4.09e-03	7.56e-04	3.80e-06
4	57	37	0.18	0.15	0.18	0.15	4.25e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	5.94e-06
4	57	44	0.30	0.21	0.21	0.29	-1.66e-02	5.76e-04	-4.02e-03	-4.00e-03	5.57e-04	2.94e-04
4	57	45	0.26	3.13e-02	0.15	0.15	0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	-6.55e-04
4	57	52	0.31	0.10	0.11	0.30	-3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.33e-04	8.82e-04
4	57	53	0.34	-0.14	5.13e-02	0.15	0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	-1.26e-03
4	57	60	0.29	-6.42e-02	-6.26e-02	0.29	-2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.89e-03
4	57	61	0.31	-0.36	-0.12	6.55e-02	0.33	9.32e-03	-2.35e-02	-2.03e-02	6.10e-03	9.78e-03
4	57	68	-3.22e-02	-0.50	-0.39	-0.14	0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
4	57	69	0.13	-0.28	-0.16	1.29e-02	0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	-1.26e-02
4	58	7	0.31	-8.70e-02	-6.40e-02	0.28	-9.22e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	9.52e-03
4	58	8	7.79e-02	-0.61	-0.39	-0.14	-0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	-1.31e-02
4	58	9	0.44	-0.47	-9.12e-02	6.14e-02	-0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	-1.00e-02
4	58	10	0.26	-0.36	-0.12	2.12e-02	-0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	1.25e-02
4	58	20	0.29	9.27e-02	0.11	0.28	-4.99e-02	-1.61e-04	-5.46e-03	-5.36e-03	-2.63e-04	-7.29e-04
4	58	21	0.41	-0.24	4.27e-02	0.12	-0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	1.37e-03
4	58	28	0.29	0.20	0.21	0.27	-3.16e-02	-2.70e-05	-3.83e-03	-3.79e-03	-6.07e-05	-3.56e-04
4	58	29	0.28	-4.28e-02	0.12	0.12	-0.16	-2.91e-03	-5.58e-03	-5.43e-03	-3.05e-03	6.12e-04
4	58	36	0.27	0.24	0.24	0.27	-4.24e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	
4	58	37	0.14	0.12	0.14	0.12	-4.24e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	-4.13e-06
4	58	44	0.28	0.20	0.21	0.27	2.56e-02	-1.21e-05	-3.79e-03	-3.76e-03	-4.37e-05	3.44e-04
4	58	45	0.28	-3.92e-02	0.12	0.12	0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.68e-03	-6.24e-04
4	58	52	0.29	9.14e-02	0.11	0.28	5.03e-02	-1.49e-04	-5.40e-03	-5.30e-03	-2.50e-04	7.20e-04
4	58	53	0.40	-0.24	4.03e-02	0.12	0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	-1.38e-03
4	58	60	0.31	-9.10e-02	-6.45e-02	0.28	9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	-9.48e-03
4	58	61	0.44	-0.47	-9.29e-02	6.04e-02	0.45	9.57e-03	-2.37e-02	-2.03e-02	6.17e-03	1.01e-02
4	58	68	8.69e-02	-0.62	-0.39	-0.14	0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	1.31e-02
4	58	69	0.27	-0.37	-0.12	2.11e-02	0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	-1.25e-02
4	59	7	0.29	-6.40e-02	-6.31e-02	0.29	1.71e-02	-6.62e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.85e-03
4	59	8	-2.40e-02	-0.51	-0.39	-0.14	-0.21	8.00e-02	1.07e-02	7.74e-02	1.32e-02	-1.29e-02
4	59	9	0.32	-0.37	-0.12	6.46e-02	-0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	-9.83e-03
4	59	10	0.13	-0.29	-0.17	1.27e-02	-0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02
4	59	20	0.31	0.10	0.11	0.30	3.93e-02	-1.87e-04	-5.99e-03	-5.86e-03	-3.20e-04	-8.70e-04
4	59	21	0.33	-0.14	4.88e-02	0.14	-0.23	-2.93e-03	-7.12e-03	-6.68e-03	-3.37e-03	1.28e-03
4	59	28	0.30	0.21	0.21	0.29	2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	-2.88e-04
4	59	29	0.25	3.49e-02	0.15	0.14	-0.11	-2.26e-03	-5.67e-03	-5.54e-03	-2.40e-03	6.69e-04
4	59	36	0.29	0.25	0.25	0.29	4.25e-03	7.56e-04	-4.09e-03	-4.09e-03	7.56e-04	3.73e-06
4	59	37	0.18	0.15	0.18	0.15	4.25e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	5.70e-06
4	59	44	0.30	0.21	0.21	0.29	-1.66e-02	5.76e-04	-4.02e-03	-4.00e-03	5.57e-04	2.94e-04
4	59	45	0.26	3.12e-02	0.15	0.15	0.11	-2.62e-03	-5.74e-03	-5.60e-03	-2.77e-03	-6.55e-04
4	59	52	0.31	0.10	0.11	0.30	-3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.33e-04	8.82e-04
4	59	53	0.34	-0.14	5.12e-02	0.15	0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	-1.26e-03
4	59	60	0.29	-6.42e-02	-6.26e-02	0.29	-2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.89e-03
4	59	61	0.31	-0.36	-0.12	6.55e-02	0.33	9.32e-03	-2.35e-02	-2.03e-02	6.09e-03	9.78e-03
4	59	68	-3.22e-02	-0.50	-0.39	-0.14	0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
4	59	69	0.13	-0.28	-0.16	1.29e-02	0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	-1.26e-02
4	60	7	0.31	-8.70e-02	-6.40e-02	0.28	-9.22e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	9.52e-03
4	60	8	7.79e-02	-0.61	-0.39	-0.14	-0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	-1.31e-02
4	60	9	0.44	-0.47	-9.12e-02	6.14e-02	-0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	-1.00e-02
4	60	10	0.26	-0.36	-0.12	2.12e-02	-0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	1.25e-02
4	60	20	0.29	9.27e-02	0.11	0.28	-4.99e-02	-1.61e-04	-5.46e-03	-5.36e-03	-2.63e-04	-7.29e-04
4	60	21	0.41	-0.24	4.28e-02	0.12	-0.32	-2.65e-03	-6.47e-03	-5.89e-03	-3.22e-03	1.37e-03
4	60	28	0.29	0.20	0.21	0.27	-3.16e-02	-2.70e-05	-3.83e-03	-3.79e-03	-6.06e-05	-3.56e-04
4	60	29	0.28	-4.28e-02	0.12	0.12	-0.16	-2.90e-03	-5.57e-03	-5.43e-03	-3.05e-03	6.12e-04
4	60	36	0.27	0.24	0.24	0.27	-4.24e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	
4	60	37	0.14	0.12	0.14	0.12	-4.24e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	-4.37e-06
4	60	44	0.28	0.20	0.21	0.27	2.56e-02	-1.21e-05	-3.79e-03	-3.76e-03	-4.38e-05	3.44e-04
4	60	45	0.27	-3.92e-02	0.12	0.12	0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.68e-03	-6.24e-04
4	60	52	0.29	9.14e-02	0.11	0.28	5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	7.20e-04
4	60	53	0.40	-0.24	4.02e-02	0.12	0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	-1.38e-03
4	60	60	0.31	-9.10e-02	-6.45e-02	0.28	9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	-9.48e-03

4	60	61	0.44	-0.47	-9.29e-02	6.04e-02	0.45	9.57e-03	-2.37e-02	-2.03e-02	6.16e-03	1.01e-02
4	60	68	8.69e-02	-0.62	-0.39	-0.14	0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	1.31e-02
4	60	69	0.27	-0.37	-0.12	2.10e-02	0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	-1.25e-02
4	61	7	0.29	-6.40e-02	-6.31e-02	0.29	1.71e-02	-6.62e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.85e-03
4	61	8	-2.40e-02	-0.51	-0.39	-0.14	-0.21	8.00e-02	1.07e-02	7.74e-02	1.32e-02	-1.30e-02
4	61	9	0.32	-0.37	-0.12	6.46e-02	-0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	-9.83e-03
4	61	10	0.13	-0.29	-0.17	1.27e-02	-0.19	7.71e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02
4	61	20	0.31	0.10	0.11	0.30	3.93e-02	-1.86e-04	-5.99e-03	-5.86e-03	-3.20e-04	-8.72e-04
4	61	21	0.33	-0.14	4.87e-02	0.14	-0.23	-2.93e-03	-7.12e-03	-6.69e-03	-3.37e-03	1.28e-03
4	61	28	0.30	0.21	0.21	0.29	2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	-2.85e-04
4	61	29	0.25	3.49e-02	0.15	0.14	-0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	6.68e-04
4	61	36	0.29	0.25	0.25	0.29	4.24e-03	7.56e-04	-4.09e-03	-4.09e-03	7.56e-04	
4	61	37	0.18	0.15	0.18	0.15	4.24e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	4.37e-06
4	61	44	0.30	0.21	0.21	0.29	-1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.57e-04	2.97e-04
4	61	45	0.26	3.13e-02	0.15	0.15	0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	-6.56e-04
4	61	52	0.31	0.10	0.11	0.30	-3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.33e-04	8.81e-04
4	61	53	0.34	-0.14	5.13e-02	0.15	0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	-1.27e-03
4	61	60	0.29	-6.42e-02	-6.26e-02	0.29	-2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.89e-03
4	61	61	0.31	-0.36	-0.12	6.55e-02	0.33	9.32e-03	-2.35e-02	-2.03e-02	6.10e-03	9.78e-03
4	61	68	-3.22e-02	-0.50	-0.39	-0.14	0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
4	61	69	0.13	-0.28	-0.16	1.29e-02	0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	-1.26e-02
4	62	7	0.31	-8.70e-02	-6.40e-02	0.28	-9.22e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	9.52e-03
4	62	8	7.79e-02	-0.61	-0.39	-0.14	-0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	-1.31e-02
4	62	9	0.44	-0.47	-9.12e-02	6.14e-02	-0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	-1.00e-02
4	62	10	0.26	-0.36	-0.12	2.12e-02	-0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	1.25e-02
4	62	20	0.29	9.27e-02	0.11	0.28	-4.99e-02	-1.60e-04	-5.46e-03	-5.36e-03	-2.63e-04	-7.31e-04
4	62	21	0.41	-0.24	4.27e-02	0.12	-0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	1.36e-03
4	62	28	0.29	0.20	0.21	0.27	-3.16e-02	-2.74e-05	-3.82e-03	-3.79e-03	-6.06e-05	-3.53e-04
4	62	29	0.28	-4.28e-02	0.12	0.12	-0.16	-2.91e-03	-5.58e-03	-5.43e-03	-3.05e-03	6.11e-04
4	62	36	0.27	0.24	0.24	0.27	-4.25e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	-3.73e-06
4	62	37	0.14	0.12	0.14	0.12	-4.25e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	-5.70e-06
4	62	44	0.28	0.20	0.21	0.27	2.56e-02	-1.16e-05	-3.79e-03	-3.75e-03	-4.38e-05	3.47e-04
4	62	45	0.28	-3.92e-02	0.12	0.12	0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.68e-03	-6.25e-04
4	62	52	0.29	9.14e-02	0.11	0.28	5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	7.19e-04
4	62	53	0.40	-0.24	4.03e-02	0.12	0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	-1.38e-03
4	62	60	0.31	-9.10e-02	-6.45e-02	0.28	9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	-9.48e-03
4	62	61	0.44	-0.47	-9.29e-02	6.04e-02	0.45	9.57e-03	-2.37e-02	-2.03e-02	6.16e-03	1.01e-02
4	62	68	8.69e-02	-0.62	-0.39	-0.14	0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	1.31e-02
4	62	69	0.27	-0.37	-0.12	2.11e-02	0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	-1.25e-02
4	63	7	0.29	-6.42e-02	-6.26e-02	0.29	2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.89e-03
4	63	8	-3.22e-02	-0.50	-0.39	-0.14	-0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
4	63	9	0.31	-0.36	-0.12	6.54e-02	-0.33	9.33e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.78e-03
4	63	10	0.13	-0.28	-0.16	1.29e-02	-0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	1.26e-02
4	63	20	0.31	0.10	0.11	0.30	3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.33e-04	-8.83e-04
4	63	21	0.34	-0.14	5.13e-02	0.15	-0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	1.26e-03
4	63	28	0.30	0.21	0.21	0.29	1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	-2.94e-04
4	63	29	0.26	3.13e-02	0.15	0.15	-0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	6.55e-04
4	63	36	0.29	0.25	0.25	0.29	-4.23e-03	7.56e-04	-4.09e-03	-4.09e-03	7.56e-04	-3.12e-06
4	63	37	0.18	0.15	0.18	0.15	-4.23e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	-5.21e-06
4	63	44	0.30	0.21	0.21	0.29	-2.26e-02	5.93e-04	-3.98e-03	-3.96e-03	5.74e-04	2.88e-04
4	63	45	0.25	3.49e-02	0.15	0.14	0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	-6.69e-04
4	63	52	0.31	0.10	0.11	0.30	-3.93e-02	-1.87e-04	-5.99e-03	-5.86e-03	-3.21e-04	8.70e-04
4	63	53	0.33	-0.14	4.87e-02	0.14	0.23	-2.93e-03	-7.12e-03	-6.68e-03	-3.37e-03	-1.28e-03
4	63	60	0.29	-6.39e-02	-6.31e-02	0.29	-1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.85e-03
4	63	61	0.32	-0.37	-0.12	6.46e-02	0.33	9.37e-03	-2.35e-02	-2.03e-02	6.10e-03	9.83e-03
4	63	68	-2.39e-02	-0.51	-0.39	-0.14	0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	1.29e-02
4	63	69	0.13	-0.29	-0.17	1.27e-02	0.19	7.71e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02
4	64	7	0.31	-9.10e-02	-6.45e-02	0.28	-9.92e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	9.48e-03
4	64	8	8.69e-02	-0.62	-0.39	-0.14	-0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	-1.31e-02
4	64	9	0.44	-0.47	-9.29e-02	6.05e-02	-0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	-1.01e-02
4	64	10	0.27	-0.37	-0.12	2.10e-02	-0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	1.25e-02
4	64	20	0.29	9.14e-02	0.11	0.28	-5.04e-02	-1.49e-04	-5.40e-03	-5.30e-03	-2.50e-04	-7.19e-04
4	64	21	0.40	-0.24	4.03e-02	0.12	-0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	1.38e-03
4	64	28	0.28	0.20	0.21	0.27	-2.56e-02	-1.23e-05	-3.79e-03	-3.75e-03	-4.39e-05	-3.44e-04
4	64	29	0.28	-3.92e-02	0.12	0.12	-0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.69e-03	6.24e-04
4	64	36	0.27	0.24	0.24	0.27	4.22e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	-1.53e-06
4	64	37	0.14	0.12	0.14	0.12	4.22e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	3.39e-06
4	64	44	0.29	0.20	0.21	0.27	3.16e-02	-2.72e-05	-3.83e-03	-3.79e-03	-6.08e-05	3.56e-04
4	64	45	0.28	-4.29e-02	0.12	0.12	0.16	-2.91e-03	-5.57e-03	-5.43e-03	-3.05e-03	-6.12e-04
4	64	52	0.29	9.27e-02	0.11	0.28	4.99e-02	-1.60e-04	-5.46e-03	-5.36e-03	-2.62e-04	7.29e-04
4	64	53	0.41	-0.24	4.28e-02	0.12	0.32	-2.65e-03	-6.48e-03	-5.90e-03	-3.22e-03	-1.37e-03
4	64	60	0.31	-8.70e-02	-6.40e-02	0.28	9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	-9.52e-03
4	64	61	0.44	-0.47	-9.12e-02	6.14e-02	0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	1.00e-02
4	64	68	7.78e-02	-0.61	-0.39	-0.14	0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	1.31e-02
4	64	69	0.26	-0.36	-0.12	2.12e-02	0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	-1.25e-02
4	65	7	0.29	-6.42e-02	-6.26e-02	0.29	2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.89e-03
4	65	8	-3.22e-02	-0.50	-0.39	-0.14	-0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	-1.29e-02

4	65	9	0.31	-0.36	-0.12	6.54e-02	-0.33	9.33e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.78e-03
4	65	10	0.13	-0.28	-0.16	1.29e-02	-0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	1.26e-02
4	65	20	0.31	0.10	0.11	0.30	3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.33e-04	-8.82e-04
4	65	21	0.34	-0.14	5.12e-02	0.15	-0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	1.27e-03
4	65	28	0.30	0.21	0.21	0.29	1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	-2.97e-04
4	65	29	0.26	3.12e-02	0.15	0.15	-0.11	-2.62e-03	-5.74e-03	-5.60e-03	-2.77e-03	6.56e-04
4	65	36	0.29	0.25	0.25	0.29	-4.22e-03	7.56e-04	-4.09e-03	-4.09e-03	7.56e-04	1.53e-06
4	65	37	0.18	0.15	0.18	0.15	-4.22e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	-3.39e-06
4	65	44	0.30	0.21	0.21	0.29	-2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	2.86e-04
4	65	45	0.25	3.49e-02	0.15	0.14	0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	-6.68e-04
4	65	52	0.31	0.10	0.11	0.30	-3.93e-02	-1.87e-04	-5.99e-03	-5.86e-03	-3.21e-04	8.72e-04
4	65	53	0.33	-0.14	4.88e-02	0.14	0.23	-2.93e-03	-7.11e-03	-6.68e-03	-3.37e-03	-1.28e-03
4	65	60	0.29	-6.39e-02	-6.31e-02	0.29	-1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.85e-03
4	65	61	0.32	-0.37	-0.12	6.46e-02	0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	9.83e-03
4	65	68	-2.39e-02	-0.51	-0.39	-0.14	0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	1.30e-02
4	65	69	0.13	-0.29	-0.17	1.27e-02	0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	-1.26e-02
4	66	7	0.31	-9.10e-02	-6.45e-02	0.28	-9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	9.48e-03
4	66	8	8.69e-02	-0.62	-0.39	-0.14	-0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	-1.31e-02
4	66	9	0.44	-0.47	-9.29e-02	6.05e-02	-0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	-1.01e-02
4	66	10	0.27	-0.37	-0.12	2.10e-02	-0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	1.25e-02
4	66	20	0.29	9.14e-02	0.11	0.28	-5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	-7.17e-04
4	66	21	0.40	-0.24	4.02e-02	0.12	-0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	1.38e-03
4	66	28	0.28	0.20	0.21	0.27	-2.56e-02	-1.19e-05	-3.79e-03	-3.75e-03	-4.40e-05	-3.47e-04
4	66	29	0.27	-3.92e-02	0.12	0.12	-0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.69e-03	6.25e-04
4	66	36	0.27	0.24	0.24	0.27	4.23e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	3.12e-06
4	66	37	0.14	0.12	0.14	0.12	4.23e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	5.21e-06
4	66	44	0.29	0.20	0.21	0.27	3.16e-02	-2.76e-05	-3.83e-03	-3.79e-03	-6.07e-05	3.53e-04
4	66	45	0.28	-4.28e-02	0.12	0.12	0.16	-2.91e-03	-5.57e-03	-5.42e-03	-3.05e-03	-6.11e-04
4	66	52	0.29	9.27e-02	0.11	0.28	4.99e-02	-1.60e-04	-5.46e-03	-5.36e-03	-2.62e-04	7.31e-04
4	66	53	0.41	-0.24	4.28e-02	0.12	0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	-1.36e-03
4	66	60	0.31	-8.70e-02	-6.40e-02	0.28	9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	-9.52e-03
4	66	61	0.44	-0.47	-9.11e-02	6.14e-02	0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	1.00e-02
4	66	68	7.78e-02	-0.61	-0.39	-0.14	0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	1.31e-02
4	66	69	0.26	-0.36	-0.12	2.12e-02	0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	-1.25e-02
4	67	7	0.29	-6.42e-02	-6.26e-02	0.29	2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.89e-03
4	67	8	-3.22e-02	-0.50	-0.39	-0.14	-0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	-1.29e-02
4	67	9	0.31	-0.36	-0.12	6.54e-02	-0.33	9.33e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.78e-03
4	67	10	0.13	-0.28	-0.16	1.29e-02	-0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	1.26e-02
4	67	20	0.31	0.10	0.11	0.30	3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.33e-04	-8.82e-04
4	67	21	0.34	-0.14	5.13e-02	0.15	-0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	1.27e-03
4	67	28	0.30	0.21	0.21	0.29	1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	-2.97e-04
4	67	29	0.26	3.13e-02	0.15	0.15	-0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	6.55e-04
4	67	36	0.29	0.25	0.25	0.29	-4.22e-03	7.56e-04	-4.09e-03	-4.09e-03	7.56e-04	1.46e-06
4	67	37	0.18	0.15	0.18	0.15	-4.22e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	-3.64e-06
4	67	44	0.30	0.21	0.21	0.29	-2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	2.86e-04
4	67	45	0.25	3.49e-02	0.15	0.14	0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	-6.68e-04
4	67	52	0.31	0.10	0.11	0.30	-3.93e-02	-1.87e-04	-5.99e-03	-5.86e-03	-3.21e-04	8.72e-04
4	67	53	0.33	-0.14	4.87e-02	0.14	0.23	-2.93e-03	-7.12e-03	-6.68e-03	-3.37e-03	-1.28e-03
4	67	60	0.29	-6.39e-02	-6.31e-02	0.29	-1.71e-02	-6.62e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.85e-03
4	67	61	0.32	-0.37	-0.12	6.45e-02	0.33	9.36e-03	-2.35e-02	-2.03e-02	6.10e-03	9.83e-03
4	67	68	-2.39e-02	-0.51	-0.39	-0.14	0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	1.30e-02
4	67	69	0.13	-0.29	-0.17	1.27e-02	0.19	7.71e-02	1.67e-02	7.43e-02	1.95e-02	-1.26e-02
4	68	7	0.31	-9.10e-02	-6.45e-02	0.28	-9.92e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	9.48e-03
4	68	8	8.69e-02	-0.62	-0.39	-0.14	-0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	-1.31e-02
4	68	9	0.44	-0.47	-9.29e-02	6.05e-02	-0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	-1.01e-02
4	68	10	0.27	-0.37	-0.12	2.10e-02	-0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	1.25e-02
4	68	20	0.29	9.14e-02	0.11	0.28	-5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	-7.18e-04
4	68	21	0.40	-0.24	4.03e-02	0.12	-0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	1.38e-03
4	68	28	0.28	0.20	0.21	0.27	-2.56e-02	-1.19e-05	-3.79e-03	-3.75e-03	-4.40e-05	-3.47e-04
4	68	29	0.28	-3.92e-02	0.12	0.12	-0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.69e-03	6.25e-04
4	68	36	0.27	0.24	0.24	0.27	4.23e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	3.04e-06
4	68	37	0.14	0.12	0.14	0.12	4.23e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	4.97e-06
4	68	44	0.29	0.20	0.21	0.27	3.16e-02	-2.77e-05	-3.83e-03	-3.79e-03	-6.07e-05	3.53e-04
4	68	45	0.28	-4.29e-02	0.12	0.12	0.16	-2.91e-03	-5.57e-03	-5.43e-03	-3.05e-03	-6.11e-04
4	68	52	0.29	9.27e-02	0.11	0.28	4.99e-02	-1.60e-04	-5.46e-03	-5.36e-03	-2.62e-04	7.31e-04
4	68	53	0.41	-0.24	4.28e-02	0.12	0.32	-2.65e-03	-6.48e-03	-5.90e-03	-3.22e-03	-1.36e-03
4	68	60	0.31	-8.70e-02	-6.40e-02	0.28	9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	-9.53e-03
4	68	61	0.44	-0.47	-9.12e-02	6.14e-02	0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	1.00e-02
4	68	68	7.78e-02	-0.61	-0.39	-0.14	0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	1.31e-02
4	68	69	0.26	-0.36	-0.12	2.12e-02	0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	-1.25e-02
4	69	7	0.29	-6.42e-02	-6.26e-02	0.29	2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.89e-03
4	69	8	-3.22e-02	-0.50	-0.39	-0.14	-0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	-1.29e-02
4	69	9	0.31	-0.36	-0.12	6.54e-02	-0.33	9.33e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.78e-03
4	69	10	0.13	-0.28	-0.16	1.29e-02	-0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	1.26e-02
4	69	20	0.31	0.10	0.11	0.30	3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.33e-04	-8.82e-04
4	69	21	0.34	-0.14	5.12e-02	0.15	-0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	1.26e-03
4	69	28	0.30	0.21	0.21	0.29	1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	-2.95e-04

4	69	29	0.26	3.12e-02	0.15	0.15	-0.11	-2.62e-03	-5.74e-03	-5.60e-03	-2.77e-03	6.55e-04
4	69	36	0.29	0.25	0.25	0.29	-4.23e-03	7.56e-04	-4.09e-03	-4.09e-03	7.56e-04	-3.04e-06
4	69	37	0.18	0.15	0.18	0.15	-4.23e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	-4.97e-06
4	69	44	0.30	0.21	0.21	0.29	-2.26e-02	5.93e-04	-3.98e-03	-3.96e-03	5.74e-04	2.88e-04
4	69	45	0.25	3.49e-02	0.15	0.14	0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	-6.69e-04
4	69	52	0.31	0.10	0.11	0.30	-3.93e-02	-1.87e-04	-5.99e-03	-5.86e-03	-3.21e-04	8.70e-04
4	69	53	0.33	-0.14	4.88e-02	0.14	0.23	-2.93e-03	-7.11e-03	-6.68e-03	-3.37e-03	-1.28e-03
4	69	60	0.29	-6.39e-02	-6.31e-02	0.29	-1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.85e-03
4	69	61	0.32	-0.37	-0.12	6.46e-02	0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	9.83e-03
4	69	68	-2.39e-02	-0.51	-0.39	-0.14	0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	1.29e-02
4	69	69	0.13	-0.29	-0.17	1.27e-02	0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	-1.26e-02
4	70	7	0.31	-9.10e-02	-6.45e-02	0.28	-9.92e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	9.48e-03
4	70	8	8.69e-02	-0.62	-0.39	-0.14	-0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	-1.31e-02
4	70	9	0.44	-0.47	-9.29e-02	6.05e-02	-0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	-1.01e-02
4	70	10	0.27	-0.37	-0.12	2.10e-02	-0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	1.25e-02
4	70	20	0.29	9.14e-02	0.11	0.28	-5.04e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	-7.19e-04
4	70	21	0.40	-0.24	4.02e-02	0.12	-0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	1.38e-03
4	70	28	0.28	0.20	0.21	0.27	-2.56e-02	-1.23e-05	-3.79e-03	-3.75e-03	-4.40e-05	-3.44e-04
4	70	29	0.28	-3.92e-02	0.12	0.12	-0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.69e-03	6.24e-04
4	70	36	0.27	0.24	0.24	0.27	4.22e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	-1.46e-06
4	70	37	0.14	0.12	0.14	0.12	4.22e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	3.64e-06
4	70	44	0.29	0.20	0.21	0.27	3.16e-02	-2.72e-05	-3.83e-03	-3.79e-03	-6.07e-05	3.55e-04
4	70	45	0.28	-4.28e-02	0.12	0.12	0.16	-2.91e-03	-5.57e-03	-5.42e-03	-3.05e-03	-6.12e-04
4	70	52	0.29	9.27e-02	0.11	0.28	4.99e-02	-1.60e-04	-5.46e-03	-5.36e-03	-2.62e-04	7.29e-04
4	70	53	0.41	-0.24	4.28e-02	0.12	0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	-1.37e-03
4	70	60	0.31	-8.70e-02	-6.40e-02	0.28	9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	-9.52e-03
4	70	61	0.44	-0.47	-9.11e-02	6.14e-02	0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	1.00e-02
4	70	68	7.78e-02	-0.61	-0.39	-0.14	0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	1.31e-02
4	70	69	0.26	-0.36	-0.12	2.12e-02	0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	-1.25e-02
4	71	7	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
4	71	8	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
4	71	9	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
4	71	10	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
4	71	20	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
4	71	21	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
4	71	28	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
4	71	29	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
4	71	36	0.28	0.25	0.25	0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
4	71	37	0.16	0.13	0.16	0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
4	71	44	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
4	71	45	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
4	71	52	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
4	71	53	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
4	71	60	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
4	71	61	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
4	71	68	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
4	71	69	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
4	72	7	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
4	72	8	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
4	72	9	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
4	72	10	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
4	72	20	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
4	72	21	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
4	72	28	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
4	72	29	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
4	72	36	0.28	0.25	0.25	0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
4	72	37	0.16	0.13	0.16	0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
4	72	44	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
4	72	45	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
4	72	52	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
4	72	53	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
4	72	60	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
4	72	61	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
4	72	68	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
4	72	69	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
4	73	7	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
4	73	8	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
4	73	9	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
4	73	10	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
4	73	20	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
4	73	21	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
4	73	28	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
4	73	29	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
4	73	36	0.28	0.25	0.25	0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
4	73	37	0.16	0.13	0.16	0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
4	73	44	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
4	73	45	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04

4	73	52	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
4	73	53	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
4	73	60	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
4	73	61	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
4	73	68	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
4	73	69	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
4	74	7	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
4	74	8	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
4	74	9	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
4	74	10	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
4	74	20	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
4	74	21	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
4	74	28	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
4	74	29	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
4	74	36	0.28	0.25	0.25	0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
4	74	37	0.16	0.13	0.16	0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
4	74	44	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
4	74	45	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
4	74	52	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
4	74	53	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
4	74	60	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
4	74	61	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
4	74	68	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
4	74	69	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
4	75	7	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
4	75	8	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
4	75	9	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
4	75	10	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
4	75	20	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
4	75	21	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
4	75	28	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
4	75	29	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
4	75	36	0.28	0.25	0.25	0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
4	75	37	0.16	0.13	0.16	0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
4	75	44	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
4	75	45	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
4	75	52	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
4	75	53	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
4	75	60	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
4	75	61	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
4	75	68	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
4	75	69	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
4	76	7	0.29	-6.76e-02	-6.36e-02	0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
4	76	8	2.60e-02	-0.56	-0.39	-0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
4	76	9	0.38	-0.42	-0.10	6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
4	76	10	0.20	-0.32	-0.14	1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
4	76	20	0.29	0.11	0.11	0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	-8.00e-04
4	76	21	0.37	-0.19	4.58e-02	0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
4	76	28	0.28	0.21	0.21	0.28	-4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
4	76	29	0.27	-3.95e-03	0.13	0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
4	76	36	0.28	0.25	0.25	0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
4	76	37	0.16	0.13	0.16	0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
4	76	44	0.28	0.21	0.21	0.28	4.50e-03	2.82e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
4	76	45	0.27	-3.95e-03	0.13	0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
4	76	52	0.29	0.11	0.11	0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.91e-04	8.00e-04
4	76	53	0.37	-0.19	4.58e-02	0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
4	76	60	0.29	-6.76e-02	-6.36e-02	0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
4	76	61	0.38	-0.42	-0.10	6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
4	76	68	2.60e-02	-0.56	-0.39	-0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
4	76	69	0.20	-0.32	-0.14	1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		-19.31	-1.32	-4.58	-26.16		-6.74	-6.72	-1.36	-0.97
	111.27		19.74	110.71	26.16	14.36		14.27	2.85	0.97

Macro	Tipo	Angolo 1-X (gradi)
5	Guscio	0.0

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
5	1	9	0.85	-0.41	-2.02e-03	0.45	-0.59	-2.32e-02	-3.35e-02	-2.57e-02	-3.09e-02	4.46e-03
5	1	10	0.39	-1.28	-0.59	-0.30	-0.82	5.31e-02	-1.16e-03	5.18e-02	1.71e-04	-8.38e-03

5	1	11	0.61	-0.96	-9.37e-02	-0.26	-0.78	2.95e-02	-1.96e-03	-3.56e-04	2.79e-02	-6.92e-03
5	1	12	1.07	-0.56	0.29	0.23	-0.81	3.28e-02	1.56e-02	3.07e-02	1.77e-02	5.65e-03
5	1	21	0.65	-0.14	0.15	0.37	-0.38	-8.53e-04	-3.95e-03	-3.92e-03	-8.81e-04	-2.94e-04
5	1	22	0.43	-0.63	-6.39e-02	-0.14	-0.53	-2.09e-03	-3.08e-03	-2.97e-03	-2.20e-03	3.08e-04
5	1	29	0.50	0.10	0.25	0.35	-0.19	-2.25e-03	-2.47e-03	-2.30e-03	-2.42e-03	-8.59e-05
5	1	30	0.17	-0.36	-5.53e-02	-0.13	-0.26	-5.68e-04	-3.45e-03	-3.45e-03	-5.76e-04	1.46e-04
5	1	37	0.35	0.28	0.28	0.35		-2.11e-03	-2.70e-03	-2.11e-03	-2.70e-03	
5	1	38	-5.46e-02	-0.13	-5.46e-02	-0.13		-3.97e-04	-3.65e-03	-3.65e-03	-3.97e-04	
5	1	45	0.50	0.10	0.25	0.35	0.19	-2.25e-03	-2.47e-03	-2.30e-03	-2.42e-03	8.59e-05
5	1	46	0.17	-0.36	-5.53e-02	-0.13	0.26	-5.68e-04	-3.45e-03	-3.45e-03	-5.76e-04	-1.46e-04
5	1	53	0.65	-0.14	0.15	0.37	0.38	-8.53e-04	-3.95e-03	-3.92e-03	-8.81e-04	2.94e-04
5	1	54	0.43	-0.63	-6.39e-02	-0.14	0.53	-2.09e-03	-3.08e-03	-2.97e-03	-2.20e-03	-3.08e-04
5	1	61	0.85	-0.41	-2.02e-03	0.45	0.59	-2.32e-02	-3.35e-02	-2.57e-02	-3.09e-02	-4.46e-03
5	1	62	0.61	-0.96	-9.37e-02	-0.26	0.78	2.95e-02	-1.96e-03	-3.56e-04	2.79e-02	6.92e-03
5	1	69	0.39	-1.28	-0.59	-0.30	0.82	5.31e-02	-1.16e-03	5.18e-02	1.71e-04	8.38e-03
5	1	70	1.07	-0.56	0.29	0.23	0.81	3.28e-02	1.56e-02	3.07e-02	1.77e-02	-5.65e-03
5	2	9	0.85	-0.41	-2.02e-03	0.45	-0.59	-2.32e-02	-3.35e-02	-2.57e-02	-3.09e-02	4.46e-03
5	2	10	0.39	-1.28	-0.59	-0.30	-0.82	5.31e-02	-1.16e-03	5.18e-02	1.71e-04	-8.38e-03
5	2	11	0.61	-0.96	-9.37e-02	-0.26	-0.78	2.95e-02	-1.96e-03	-3.56e-04	2.79e-02	-6.92e-03
5	2	12	1.07	-0.56	0.29	0.23	-0.81	3.28e-02	1.56e-02	3.07e-02	1.77e-02	5.65e-03
5	2	21	0.65	-0.14	0.15	0.37	-0.38	-8.53e-04	-3.95e-03	-3.92e-03	-8.81e-04	-2.94e-04
5	2	22	0.43	-0.63	-6.39e-02	-0.14	-0.53	-2.09e-03	-3.08e-03	-2.97e-03	-2.20e-03	3.08e-04
5	2	29	0.50	0.10	0.25	0.35	-0.19	-2.25e-03	-2.47e-03	-2.30e-03	-2.42e-03	-8.59e-05
5	2	30	0.17	-0.36	-5.53e-02	-0.13	-0.26	-5.68e-04	-3.45e-03	-3.45e-03	-5.76e-04	1.46e-04
5	2	37	0.35	0.28	0.28	0.35		-2.11e-03	-2.70e-03	-2.11e-03	-2.70e-03	
5	2	38	-5.46e-02	-0.13	-5.46e-02	-0.13		-3.97e-04	-3.65e-03	-3.65e-03	-3.97e-04	
5	2	45	0.50	0.10	0.25	0.35	0.19	-2.25e-03	-2.47e-03	-2.30e-03	-2.42e-03	8.59e-05
5	2	46	0.17	-0.36	-5.53e-02	-0.13	0.26	-5.68e-04	-3.45e-03	-3.45e-03	-5.76e-04	-1.46e-04
5	2	53	0.65	-0.14	0.15	0.37	0.38	-8.53e-04	-3.95e-03	-3.92e-03	-8.81e-04	2.94e-04
5	2	54	0.43	-0.63	-6.39e-02	-0.14	0.53	-2.09e-03	-3.08e-03	-2.97e-03	-2.20e-03	-3.08e-04
5	2	61	0.85	-0.41	-2.02e-03	0.45	0.59	-2.32e-02	-3.35e-02	-2.57e-02	-3.09e-02	-4.46e-03
5	2	62	0.61	-0.96	-9.37e-02	-0.26	0.78	2.95e-02	-1.96e-03	-3.56e-04	2.79e-02	6.92e-03
5	2	69	0.39	-1.28	-0.59	-0.30	0.82	5.31e-02	-1.16e-03	5.18e-02	1.71e-04	8.38e-03
5	2	70	1.07	-0.56	0.29	0.23	0.81	3.28e-02	1.56e-02	3.07e-02	1.77e-02	-5.65e-03
5	3	9	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
5	3	10	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
5	3	11	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
5	3	12	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
5	3	21	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
5	3	22	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
5	3	29	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
5	3	30	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
5	3	37	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
5	3	38	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
5	3	45	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
5	3	46	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
5	3	53	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
5	3	54	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
5	3	61	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
5	3	62	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
5	3	69	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
5	3	70	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
5	4	9	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
5	4	10	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
5	4	11	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
5	4	12	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
5	4	21	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
5	4	22	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
5	4	29	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
5	4	30	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
5	4	37	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
5	4	38	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
5	4	45	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
5	4	46	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
5	4	53	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
5	4	54	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
5	4	61	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
5	4	62	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
5	4	69	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
5	4	70	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
5	5	9	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
5	5	10	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
5	5	11	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
5	5	12	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
5	5	21	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
5	5	22	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
5	5	29	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05

5	5	30	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
5	5	37	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
5	5	38	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
5	5	45	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
5	5	46	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
5	5	53	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
5	5	54	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
5	5	61	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
5	5	62	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
5	5	69	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
5	5	70	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
5	6	9	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
5	6	10	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
5	6	11	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
5	6	12	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
5	6	21	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
5	6	22	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
5	6	29	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
5	6	30	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
5	6	37	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
5	6	38	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
5	6	45	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
5	6	46	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
5	6	53	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
5	6	54	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
5	6	61	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
5	6	62	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
5	6	69	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
5	6	70	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
5	7	9	29.15	4.80	4.92	29.03	1.71	-0.35	-1.76	-1.75	-0.36	0.10
5	7	10	9.66	-5.55	4.60	-0.49	-7.17	3.75	0.72	3.73	0.74	-0.26
5	7	11	28.86	4.53	4.79	28.60	-2.51	-0.33	-1.75	-1.75	-0.34	-9.82e-02
5	7	12	9.01	-4.36	4.84	-0.19	6.20	3.78	0.74	3.75	0.76	0.26
5	7	21	28.76	5.04	5.04	28.76	0.24	-1.41e-02	-8.75e-02	-8.64e-02	-1.52e-02	9.16e-03
5	7	22	28.47	4.93	4.96	28.45	-0.77	-2.90e-02	-9.47e-02	-9.42e-02	-2.95e-02	-5.37e-03
5	7	29	28.20	5.12	5.12	28.20	-0.14	-3.31e-04	-1.58e-02	-1.38e-02	-2.31e-03	-5.16e-03
5	7	30	27.90	5.05	5.05	27.90	-0.12	-1.09e-02	-2.63e-02	-2.13e-02	-1.58e-02	7.23e-03
5	7	37	28.16	5.15	5.15	28.16	1.73e-03	-4.58e-03	-2.50e-02	-2.50e-02	-4.58e-03	-2.41e-05
5	7	38	27.87	5.08	5.08	27.87	1.73e-03	-1.89e-02	-3.27e-02	-3.27e-02	-1.89e-02	3.73e-05
5	7	45	28.20	5.12	5.12	28.20	0.14	-3.82e-04	-1.58e-02	-1.39e-02	-2.35e-03	5.15e-03
5	7	46	27.91	5.05	5.05	27.91	0.12	-1.09e-02	-2.64e-02	-2.15e-02	-1.59e-02	-7.23e-03
5	7	53	28.77	5.04	5.04	28.77	-0.24	-1.42e-02	-8.78e-02	-8.66e-02	-1.53e-02	-9.17e-03
5	7	54	28.48	4.94	4.96	28.46	0.77	-2.91e-02	-9.50e-02	-9.46e-02	-2.96e-02	5.37e-03
5	7	61	29.16	4.81	4.93	29.04	-1.71	-0.35	-1.76	-1.75	-0.36	-0.10
5	7	62	28.87	4.53	4.79	28.61	2.51	-0.33	-1.75	-1.75	-0.34	9.82e-02
5	7	69	9.66	-5.55	4.60	-0.49	7.16	3.75	0.72	3.73	0.74	0.26
5	7	70	9.02	-4.36	4.84	-0.19	-6.20	3.78	0.74	3.75	0.76	-0.26
5	8	9	-0.64	-4.40	-0.73	-4.31	-0.58	0.27	3.59e-02	0.26	3.97e-02	-2.93e-02
5	8	10	0.14	-0.94	-0.65	-0.15	0.48	-0.13	-0.64	-0.64	-0.13	2.08e-02
5	8	11	-0.99	-4.89	-1.05	-4.83	-0.47	0.27	0.11	0.25	0.13	4.93e-02
5	8	12	1.15	-2.84	-1.76	7.27e-02	-1.77	-9.74e-02	-0.47	-0.47	-9.74e-02	1.02e-03
5	8	21	-0.78	-4.31	-0.80	-4.29	-0.26	4.65e-02	-4.88e-02	2.10e-02	-2.33e-02	-4.22e-02
5	8	22	-0.57	-4.71	-0.61	-4.67	-0.42	0.21	1.87e-02	3.37e-02	0.19	5.11e-02
5	8	29	-0.77	-4.23	-0.77	-4.23	-0.11	1.29e-02	-6.79e-02	5.75e-02	-6.07e-02	-2.29e-02
5	8	30	-0.48	-4.59	-0.49	-4.58	-0.23	0.32	6.18e-02	6.43e-02	0.31	2.53e-02
5	8	37	-0.76	-4.24	-0.76	-4.24	-1.72e-03	6.39e-03	-6.89e-02	6.39e-03	-6.89e-02	-2.17e-05
5	8	38	-0.47	-4.59	-0.47	-4.59	-1.72e-03	0.35	7.99e-02	7.99e-02	0.35	-5.76e-05
5	8	45	-0.77	-4.24	-0.77	-4.24	0.10	1.30e-02	-6.78e-02	5.84e-03	-6.07e-02	2.29e-02
5	8	46	-0.48	-4.60	-0.50	-4.59	0.23	0.32	6.18e-02	6.44e-02	0.31	-2.53e-02
5	8	53	-0.78	-4.31	-0.80	-4.30	0.26	4.67e-02	-4.87e-02	2.12e-02	-2.32e-02	4.22e-02
5	8	54	-0.57	-4.72	-0.61	-4.68	0.42	0.21	1.90e-02	3.40e-02	0.19	-5.11e-02
5	8	61	-0.64	-4.40	-0.73	-4.31	0.58	0.27	3.60e-02	0.26	3.97e-02	2.93e-02
5	8	62	-0.99	-4.89	-1.05	-4.84	0.47	0.27	0.11	0.25	0.13	-4.93e-02
5	8	69	0.14	-0.94	-0.65	-0.15	-0.48	-0.13	-0.64	-0.64	-0.13	-2.08e-02
5	8	70	1.15	-2.84	-1.76	7.25e-02	1.77	-9.75e-02	-0.47	-0.47	-9.75e-02	-1.02e-03
5	9	9	31.82	5.24	5.38	31.68	1.90	-0.39	-1.92	-1.91	-0.39	0.11
5	9	10	10.53	-5.98	5.07	-0.52	-7.77	4.09	0.78	4.07	0.81	-0.28
5	9	11	31.53	4.96	5.24	31.25	-2.69	-0.36	-1.92	-1.91	-0.37	-0.11
5	9	12	9.88	-4.83	5.27	-0.22	6.82	4.12	0.80	4.10	0.83	0.29
5	9	21	31.39	5.49	5.49	31.38	0.28	-1.53e-02	-9.53e-02	-9.40e-02	-1.66e-02	1.00e-02
5	9	22	31.10	5.39	5.42	31.08	-0.80	-3.16e-02	-0.10	-0.10	-3.20e-02	-5.88e-03
5	9	29	30.77	5.57	5.58	30.77	-0.14	-2.01e-04	-1.70e-02	-1.49e-02	-2.35e-03	-5.61e-03
5	9	30	30.48	5.52	5.52	30.48	-0.11	-1.18e-02	-2.86e-02	-2.31e-02	-1.73e-02	7.88e-03
5	9	37	30.73	5.61	5.61	30.73	1.72e-03	-4.79e-03	-2.71e-02	-2.71e-02	-4.79e-03	2.17e-05
5	9	38	30.44	5.55	5.55	30.44	1.72e-03	-2.06e-02	-3.53e-02	-3.53e-02	-2.06e-02	5.76e-05
5	9	45	30.78	5.58	5.58	30.78	0.14	-2.32e-04	-1.71e-02	-1.50e-02	-2.39e-03	5.64e-03
5	9	46	30.49	5.52	5.52	30.49	0.12	-1.18e-02	-2.86e-02	-2.32e-02	-1.73e-02	-7.88e-03

5	9	53	31.39	5.49	5.50	31.39	-0.28	-1.54e-02	-9.55e-02	-9.42e-02	-1.67e-02	-1.00e-02
5	9	54	31.11	5.40	5.42	31.09	0.80	-3.16e-02	-0.10	-0.10	-3.21e-02	5.89e-03
5	9	61	31.82	5.25	5.38	31.68	-1.91	-0.39	-1.92	-1.91	-0.39	-0.11
5	9	62	31.53	4.97	5.24	31.26	2.69	-0.36	-1.92	-1.91	-0.37	0.11
5	9	69	10.53	-5.98	5.07	-0.52	7.77	4.09	0.78	4.07	0.81	0.28
5	9	70	9.88	-4.83	5.27	-0.22	-6.83	4.12	0.80	4.10	0.83	-0.29
5	10	9	-0.18	-1.76	-0.27	-1.66	-0.38	0.11	4.37e-03	0.10	8.52e-03	-2.03e-02
5	10	10	-5.81e-02	-0.30	-0.18	-0.18	-0.12	-6.06e-02	-0.30	-0.30	-6.06e-02	-2.52e-03
5	10	11	-0.37	-2.41	-0.60	-2.18	-0.64	0.14	5.39e-02	9.10e-02	9.87e-02	4.08e-02
5	10	12	0.69	-1.98	-1.33	3.98e-02	-1.14	-2.31e-02	-0.14	-0.13	-2.88e-02	2.48e-02
5	10	21	-0.31	-1.70	-0.35	-1.66	-0.21	3.98e-02	-5.11e-02	1.33e-02	-2.46e-02	-4.13e-02
5	10	22	-4.48e-02	-2.14	-0.15	-2.04	-0.45	0.20	1.10e-02	2.53e-02	0.19	5.06e-02
5	10	29	-0.31	-1.67	-0.32	-1.66	-0.11	1.21e-02	-6.83e-02	4.64e-03	-6.08e-02	-2.34e-02
5	10	30	-1.76e-03	-2.03	-2.65e-02	-2.00	-0.22	0.31	5.99e-02	6.26e-02	0.31	2.59e-02
5	10	37	-0.31	-1.67	-0.31	-1.67	-1.73e-03	4.30e-03	-6.91e-02	4.30e-03	-6.91e-02	2.41e-05
5	10	38	-9.63e-04	-2.01	-9.64e-04	-2.01	-1.73e-03	0.35	7.72e-02	7.72e-02	0.35	-3.73e-05
5	10	45	-0.31	-1.67	-0.32	-1.66	0.10	1.22e-02	-6.82e-02	4.75e-03	-6.07e-02	2.34e-02
5	10	46	-4.35e-03	-2.03	-2.85e-02	-2.01	0.22	0.31	6.00e-02	6.27e-02	0.31	-2.59e-02
5	10	53	-0.32	-1.71	-0.35	-1.67	0.21	4.00e-02	-5.10e-02	1.36e-02	-2.46e-02	4.14e-02
5	10	54	-4.87e-02	-2.15	-0.15	-2.05	0.45	0.20	1.13e-02	2.56e-02	0.19	-5.06e-02
5	10	61	-0.18	-1.77	-0.28	-1.67	0.38	0.11	4.41e-03	0.10	8.55e-03	2.02e-02
5	10	62	-0.37	-2.41	-0.60	-2.18	0.65	0.14	5.40e-02	9.11e-02	9.88e-02	-4.08e-02
5	10	69	-5.49e-02	-0.30	-0.18	-0.18	0.12	-6.07e-02	-0.30	-0.30	-6.07e-02	2.51e-03
5	10	70	0.69	-1.98	-1.33	3.98e-02	1.15	-2.32e-02	-0.14	-0.13	-2.89e-02	-2.48e-02
5	11	9	29.16	4.81	4.93	29.04	1.71	-0.35	-1.76	-1.75	-0.36	0.10
5	11	10	9.66	-5.55	4.60	-0.49	-7.16	3.75	0.72	3.73	0.74	-0.26
5	11	11	28.87	4.53	4.79	28.61	-2.51	-0.33	-1.75	-1.75	-0.34	-9.81e-02
5	11	12	9.02	-4.36	4.84	-0.19	6.20	3.78	0.74	3.75	0.76	0.26
5	11	21	28.77	5.04	5.04	28.77	0.24	-1.42e-02	-8.78e-02	-8.66e-02	-1.53e-02	9.15e-03
5	11	22	28.48	4.94	4.96	28.46	-0.77	-2.91e-02	-9.50e-02	-9.45e-02	-2.96e-02	-5.38e-03
5	11	29	28.20	5.12	5.12	28.20	-0.14	-3.72e-04	-1.58e-02	-1.39e-02	-2.35e-03	-5.17e-03
5	11	30	27.91	5.05	5.05	27.91	-0.12	-1.09e-02	-2.64e-02	-2.14e-02	-1.59e-02	7.23e-03
5	11	37	28.16	5.15	5.15	28.16	-1.72e-03	-4.58e-03	-2.50e-02	-2.50e-02	-4.58e-03	-2.21e-05
5	11	38	27.87	5.08	5.08	27.87	-1.72e-03	-1.89e-02	-3.27e-02	-3.27e-02	-1.89e-02	-5.78e-05
5	11	45	28.20	5.12	5.12	28.20	0.14	-3.42e-04	-1.58e-02	-1.38e-02	-2.31e-03	5.14e-03
5	11	46	27.90	5.05	5.05	27.90	0.12	-1.09e-02	-2.63e-02	-2.14e-02	-1.58e-02	-7.23e-03
5	11	53	28.76	5.04	5.04	28.76	-0.24	-1.41e-02	-8.75e-02	-8.64e-02	-1.52e-02	-9.18e-03
5	11	54	28.47	4.93	4.96	28.45	0.77	-2.90e-02	-9.47e-02	-9.43e-02	-2.95e-02	5.36e-03
5	11	61	29.15	4.80	4.92	29.03	-1.71	-0.35	-1.76	-1.75	-0.36	-0.10
5	11	62	28.86	4.53	4.79	28.60	2.51	-0.33	-1.75	-1.75	-0.34	9.82e-02
5	11	69	9.66	-5.55	4.60	-0.49	7.17	3.75	0.72	3.73	0.74	0.26
5	11	70	9.01	-4.36	4.84	-0.19	-6.20	3.78	0.74	3.75	0.76	-0.26
5	12	9	-0.64	-4.40	-0.73	-4.31	-0.58	0.27	3.60e-02	0.26	3.97e-02	-2.93e-02
5	12	10	0.14	-0.94	-0.65	-0.15	0.48	-0.13	-0.64	-0.64	-0.13	2.08e-02
5	12	11	-0.99	-4.89	-1.05	-4.84	-0.47	0.27	0.11	0.25	0.13	4.93e-02
5	12	12	1.15	-2.84	-1.76	7.26e-02	-1.77	-9.75e-02	-0.47	-0.47	-9.75e-02	1.02e-03
5	12	21	-0.78	-4.31	-0.80	-4.30	-0.26	4.67e-02	-4.87e-02	2.12e-02	-2.32e-02	-4.22e-02
5	12	22	-0.57	-4.72	-0.61	-4.68	-0.42	0.21	1.90e-02	3.40e-02	0.19	5.11e-02
5	12	29	-0.77	-4.24	-0.77	-4.24	-0.10	1.30e-02	-6.78e-02	5.85e-03	-6.07e-02	-2.29e-02
5	12	30	-0.48	-4.60	-0.50	-4.59	-0.23	0.32	6.19e-02	6.44e-02	0.31	2.53e-02
5	12	37	-0.76	-4.24	-0.76	-4.24	1.73e-03	6.39e-03	-6.89e-02	6.39e-03	-6.89e-02	-2.37e-05
5	12	38	-0.47	-4.59	-0.47	-4.59	1.73e-03	0.35	7.99e-02	7.99e-02	0.35	3.75e-05
5	12	45	-0.77	-4.23	-0.77	-4.23	0.11	1.29e-02	-6.79e-02	5.74e-03	-6.07e-02	2.29e-02
5	12	46	-0.48	-4.59	-0.49	-4.58	0.23	0.32	6.17e-02	6.43e-02	0.31	-2.53e-02
5	12	53	-0.78	-4.31	-0.80	-4.29	0.26	4.65e-02	-4.88e-02	2.09e-02	-2.33e-02	4.22e-02
5	12	54	-0.57	-4.71	-0.61	-4.67	0.42	0.21	1.87e-02	3.37e-02	0.19	-5.11e-02
5	12	61	-0.64	-4.40	-0.73	-4.31	0.58	0.27	3.59e-02	0.26	3.97e-02	2.93e-02
5	12	62	-0.99	-4.89	-1.05	-4.83	0.47	0.27	0.11	0.25	0.13	-4.93e-02
5	12	69	0.14	-0.94	-0.65	-0.15	-0.48	-0.13	-0.64	-0.64	-0.13	-2.08e-02
5	12	70	1.15	-2.84	-1.76	7.27e-02	1.77	-9.74e-02	-0.47	-0.47	-9.74e-02	-1.02e-03
5	13	9	31.82	5.24	5.38	31.68	1.91	-0.39	-1.92	-1.91	-0.39	0.11
5	13	10	10.53	-5.98	5.07	-0.52	-7.77	4.09	0.78	4.07	0.81	-0.28
5	13	11	31.53	4.97	5.24	31.26	-2.69	-0.36	-1.92	-1.91	-0.37	-0.11
5	13	12	9.88	-4.83	5.27	-0.22	6.83	4.12	0.80	4.10	0.83	0.29
5	13	21	31.39	5.49	5.50	31.39	0.28	-1.54e-02	-9.55e-02	-9.42e-02	-1.66e-02	1.00e-02
5	13	22	31.11	5.40	5.42	31.09	-0.80	-3.16e-02	-0.10	-0.10	-3.21e-02	-5.89e-03
5	13	29	30.78	5.58	5.58	30.78	-0.14	-2.42e-04	-1.71e-02	-1.50e-02	-2.38e-03	-5.62e-03
5	13	30	30.49	5.52	5.52	30.49	-0.12	-1.18e-02	-2.87e-02	-2.32e-02	-1.73e-02	7.88e-03
5	13	37	30.73	5.61	5.61	30.73	-1.73e-03	-4.79e-03	-2.71e-02	-2.71e-02	-4.79e-03	2.37e-05
5	13	38	30.44	5.55	5.55	30.44	-1.73e-03	-2.06e-02	-3.53e-02	-3.53e-02	-2.06e-02	-3.75e-05
5	13	45	30.77	5.57	5.58	30.77	0.14	-2.42e-04	-1.70e-02	-1.49e-02	-2.35e-03	5.63e-03
5	13	46	30.48	5.52	5.52	30.48	0.11	-1.18e-02	-2.86e-02	-2.31e-02	-1.72e-02	-7.88e-03
5	13	53	31.39	5.49	5.49	31.38	-0.28	-1.53e-02	-9.53e-02	-9.40e-02	-1.66e-02	-1.00e-02
5	13	54	31.10	5.39	5.42	31.08	0.80	-3.15e-02	-0.10	-0.10	-3.20e-02	5.88e-03
5	13	61	31.82	5.24	5.38	31.68	-1.90	-0.39	-1.92	-1.91	-0.39	-0.11
5	13	62	31.53	4.96	5.24	31.25	2.69	-0.36	-1.92	-1.91	-0.37	0.11
5	13	69	10.53	-5.98	5.07	-0.52	7.77	4.09	0.78	4.07	0.81	0.28

5	13	70	9.88	-4.83	5.27	-0.22	-6.82	4.12	0.80	4.10	0.83	-0.29
5	14	9	-0.18	-1.77	-0.28	-1.67	-0.38	0.11	4.41e-03	0.10	8.56e-03	-2.03e-02
5	14	10	-5.51e-02	-0.30	-0.18	-0.18	-0.12	-6.07e-02	-0.30	-0.30	-6.07e-02	-2.53e-03
5	14	11	-0.37	-2.41	-0.60	-2.18	-0.65	0.14	5.40e-02	9.11e-02	9.88e-02	4.07e-02
5	14	12	0.69	-1.98	-1.33	3.97e-02	-1.15	-2.32e-02	-0.14	-0.13	-2.89e-02	2.48e-02
5	14	21	-0.32	-1.71	-0.35	-1.67	-0.21	4.00e-02	-5.10e-02	1.36e-02	-2.45e-02	-4.13e-02
5	14	22	-4.95e-02	-2.15	-0.15	-2.05	-0.45	0.20	1.13e-02	2.56e-02	0.19	5.06e-02
5	14	29	-0.31	-1.67	-0.32	-1.66	-0.10	1.22e-02	-6.82e-02	4.74e-03	-6.07e-02	-2.34e-02
5	14	30	-5.02e-03	-2.03	-2.92e-02	-2.01	-0.22	0.31	6.00e-02	6.27e-02	0.31	2.59e-02
5	14	37	-0.31	-1.67	-0.31	-1.67	1.72e-03	4.30e-03	-6.91e-02	4.30e-03	-6.91e-02	2.21e-05
5	14	38	-9.94e-04	-2.01	-9.95e-04	-2.01	1.72e-03	0.35	7.72e-02	7.72e-02	0.35	5.78e-05
5	14	45	-0.31	-1.67	-0.32	-1.66	0.11	1.22e-02	-6.83e-02	4.65e-03	-6.08e-02	2.34e-02
5	14	46	-1.14e-03	-2.03	-2.58e-02	-2.00	0.22	0.31	5.99e-02	6.26e-02	0.31	-2.59e-02
5	14	53	-0.31	-1.70	-0.35	-1.66	0.21	3.99e-02	-5.12e-02	1.33e-02	-2.46e-02	4.14e-02
5	14	54	-4.40e-02	-2.14	-0.15	-2.04	0.45	0.20	1.10e-02	2.53e-02	0.19	-5.06e-02
5	14	61	-0.17	-1.76	-0.27	-1.66	0.38	0.11	4.38e-03	0.10	8.51e-03	2.02e-02
5	14	62	-0.37	-2.41	-0.60	-2.18	0.64	0.14	5.39e-02	9.10e-02	9.88e-02	-4.08e-02
5	14	69	-5.79e-02	-0.30	-0.18	-0.18	0.12	-6.06e-02	-0.30	-0.30	-6.06e-02	2.50e-03
5	14	70	0.69	-1.98	-1.33	3.99e-02	1.14	-2.31e-02	-0.14	-0.13	-2.88e-02	-2.48e-02
5	15	9	29.15	4.80	4.92	29.03	1.71	-0.35	-1.76	-1.75	-0.36	0.10
5	15	10	9.66	-5.55	4.60	-0.49	-7.17	3.75	0.72	3.73	0.74	-0.26
5	15	11	28.86	4.53	4.79	28.60	-2.51	-0.33	-1.75	-1.75	-0.34	-9.82e-02
5	15	12	9.01	-4.36	4.84	-0.19	6.20	3.78	0.74	3.75	0.76	0.26
5	15	21	28.76	5.04	5.04	28.76	0.24	-1.41e-02	-8.75e-02	-8.64e-02	-1.52e-02	9.17e-03
5	15	22	28.47	4.93	4.96	28.45	-0.77	-2.90e-02	-9.47e-02	-9.42e-02	-2.95e-02	-5.36e-03
5	15	29	28.20	5.12	5.12	28.20	-0.14	-3.42e-04	-1.57e-02	-1.38e-02	-2.31e-03	-5.14e-03
5	15	30	27.90	5.05	5.05	27.90	-0.12	-1.09e-02	-2.63e-02	-2.14e-02	-1.58e-02	7.23e-03
5	15	37	28.16	5.15	5.15	28.16	1.73e-03	-4.58e-03	-2.50e-02	-2.50e-02	-4.58e-03	1.95e-05
5	15	38	27.87	5.08	5.08	27.87	1.73e-03	-1.89e-02	-3.27e-02	-3.27e-02	-1.89e-02	5.83e-05
5	15	45	28.20	5.12	5.12	28.20	0.14	-3.70e-04	-1.59e-02	-1.39e-02	-2.35e-03	5.17e-03
5	15	46	27.91	5.05	5.05	27.91	0.12	-1.09e-02	-2.64e-02	-2.15e-02	-1.59e-02	-7.23e-03
5	15	53	28.77	5.04	5.04	28.77	-0.24	-1.42e-02	-8.78e-02	-8.66e-02	-1.53e-02	-9.16e-03
5	15	54	28.48	4.94	4.96	28.46	0.77	-2.91e-02	-9.50e-02	-9.46e-02	-2.96e-02	5.38e-03
5	15	61	29.16	4.81	4.93	29.04	-1.71	-0.35	-1.76	-1.75	-0.36	-0.10
5	15	62	28.87	4.53	4.79	28.61	2.51	-0.33	-1.75	-1.75	-0.34	9.81e-02
5	15	69	9.66	-5.55	4.60	-0.49	7.16	3.75	0.72	3.73	0.74	0.26
5	15	70	9.02	-4.36	4.84	-0.19	-6.20	3.78	0.74	3.75	0.76	-0.26
5	16	9	-0.64	-4.40	-0.73	-4.31	-0.58	0.27	3.59e-02	0.26	3.97e-02	-2.93e-02
5	16	10	0.14	-0.94	-0.65	-0.15	0.48	-0.13	-0.64	-0.64	-0.13	2.08e-02
5	16	11	-0.99	-4.89	-1.05	-4.83	-0.47	0.27	0.11	0.25	0.13	4.93e-02
5	16	12	1.15	-2.84	-1.76	7.27e-02	-1.77	-9.74e-02	-0.47	-0.47	-9.74e-02	1.02e-03
5	16	21	-0.78	-4.31	-0.80	-4.29	-0.26	4.65e-02	-4.88e-02	2.10e-02	-2.33e-02	-4.22e-02
5	16	22	-0.57	-4.71	-0.61	-4.67	-0.42	0.21	1.87e-02	3.37e-02	0.19	5.11e-02
5	16	29	-0.77	-4.23	-0.77	-4.23	-0.11	1.29e-02	-6.79e-02	5.75e-03	-6.07e-02	-2.29e-02
5	16	30	-0.48	-4.59	-0.49	-4.58	-0.23	0.32	6.18e-02	6.43e-02	0.31	2.53e-02
5	16	37	-0.76	-4.24	-0.76	-4.24	-1.72e-03	6.39e-03	-6.89e-02	6.39e-03	-6.89e-02	2.19e-05
5	16	38	-0.47	-4.59	-0.47	-4.59	-1.72e-03	0.35	7.99e-02	7.99e-02	0.35	-3.66e-05
5	16	45	-0.77	-4.24	-0.77	-4.24	0.10	1.30e-02	-6.78e-02	5.84e-03	-6.07e-02	2.29e-02
5	16	46	-0.48	-4.60	-0.50	-4.59	0.23	0.32	6.18e-02	6.44e-02	0.31	-2.53e-02
5	16	53	-0.78	-4.31	-0.80	-4.30	0.26	4.67e-02	-4.87e-02	2.12e-02	-2.32e-02	4.22e-02
5	16	54	-0.57	-4.72	-0.61	-4.68	0.42	0.21	1.90e-02	3.40e-02	0.19	-5.11e-02
5	16	61	-0.64	-4.40	-0.73	-4.31	0.58	0.27	3.60e-02	0.26	3.97e-02	2.93e-02
5	16	62	-0.99	-4.89	-1.05	-4.84	0.47	0.27	0.11	0.25	0.13	-4.93e-02
5	16	69	0.14	-0.94	-0.65	-0.15	-0.48	-0.13	-0.64	-0.64	-0.13	-2.08e-02
5	16	70	1.15	-2.84	-1.76	7.25e-02	1.77	-9.75e-02	-0.47	-0.47	-9.75e-02	-1.02e-03
5	17	9	31.82	5.24	5.38	31.68	1.90	-0.39	-1.92	-1.91	-0.39	0.11
5	17	10	10.53	-5.98	5.07	-0.52	-7.77	4.09	0.78	4.07	0.81	-0.28
5	17	11	31.53	4.96	5.24	31.25	-2.69	-0.36	-1.92	-1.91	-0.37	-0.11
5	17	12	9.88	-4.83	5.27	-0.22	6.82	4.12	0.80	4.10	0.83	0.29
5	17	21	31.39	5.49	5.49	31.38	0.28	-1.53e-02	-9.53e-02	-9.40e-02	-1.66e-02	1.00e-02
5	17	22	31.10	5.39	5.42	31.08	-0.80	-3.15e-02	-0.10	-0.10	-3.20e-02	-5.88e-03
5	17	29	30.77	5.57	5.58	30.77	-0.14	-1.89e-04	-1.70e-02	-1.49e-02	-2.35e-03	-5.63e-03
5	17	30	30.48	5.52	5.52	30.48	-0.11	-1.18e-02	-2.86e-02	-2.31e-02	-1.73e-02	7.88e-03
5	17	37	30.73	5.61	5.61	30.73	1.72e-03	-4.79e-03	-2.71e-02	-2.71e-02	-4.79e-03	-2.19e-05
5	17	38	30.44	5.55	5.55	30.44	1.72e-03	-2.06e-02	-3.53e-02	-3.53e-02	-2.06e-02	3.66e-05
5	17	45	30.78	5.58	5.58	30.78	0.14	-2.44e-04	-1.71e-02	-1.50e-02	-2.39e-03	5.62e-03
5	17	46	30.49	5.52	5.52	30.49	0.12	-1.18e-02	-2.86e-02	-2.32e-02	-1.73e-02	-7.88e-03
5	17	53	31.39	5.49	5.50	31.39	-0.28	-1.54e-02	-9.55e-02	-9.42e-02	-1.67e-02	-1.00e-02
5	17	54	31.11	5.40	5.42	31.09	0.80	-3.16e-02	-0.10	-0.10	-3.21e-02	5.88e-03
5	17	61	31.82	5.25	5.38	31.68	-1.91	-0.39	-1.92	-1.91	-0.39	-0.11
5	17	62	31.53	4.97	5.24	31.26	2.69	-0.36	-1.92	-1.91	-0.37	0.11
5	17	69	10.53	-5.98	5.07	-0.52	7.77	4.09	0.78	4.07	0.81	0.28
5	17	70	9.88	-4.83	5.27	-0.22	-6.83	4.12	0.80	4.10	0.83	-0.29
5	18	9	-0.18	-1.76	-0.27	-1.66	-0.38	0.11	4.39e-03	0.10	8.52e-03	-2.02e-02
5	18	10	-5.81e-02	-0.30	-0.18	-0.18	-0.12	-6.06e-02	-0.30	-0.30	-6.06e-02	-2.51e-03
5	18	11	-0.37	-2.41	-0.60	-2.18	-0.64	0.14	5.39e-02	9.10e-02	9.87e-02	4.08e-02
5	18	12	0.69	-1.98	-1.33	3.98e-02	-1.14	-2.31e-02	-0.14	-0.13	-2.88e-02	2.48e-02

5	18	21	-0.31	-1.70	-0.35	-1.66	-0.21	3.98e-02	-5.12e-02	1.33e-02	-2.46e-02	-4.14e-02
5	18	22	-4.47e-02	-2.14	-0.15	-2.04	-0.45	0.20	1.10e-02	2.53e-02	0.19	5.06e-02
5	18	29	-0.31	-1.67	-0.32	-1.66	-0.11	1.21e-02	-6.83e-02	4.64e-03	-6.08e-02	-2.34e-02
5	18	30	-1.74e-03	-2.03	-2.64e-02	-2.00	-0.22	0.31	5.99e-02	6.26e-02	0.31	2.59e-02
5	18	37	-0.31	-1.67	-0.31	-1.67	-1.73e-03	4.30e-03	-6.91e-02	4.30e-03	-6.91e-02	-1.95e-05
5	18	38	-9.69e-04	-2.01	-9.70e-04	-2.01	-1.73e-03	0.35	7.72e-02	7.72e-02	0.35	-5.83e-05
5	18	45	-0.31	-1.67	-0.32	-1.66	0.10	1.22e-02	-6.82e-02	4.75e-03	-6.07e-02	2.34e-02
5	18	46	-4.38e-03	-2.03	-2.85e-02	-2.01	0.22	0.31	6.00e-02	6.27e-02	0.31	-2.59e-02
5	18	53	-0.32	-1.71	-0.35	-1.67	0.21	4.00e-02	-5.10e-02	1.36e-02	-2.46e-02	4.13e-02
5	18	54	-4.88e-02	-2.15	-0.15	-2.05	0.45	0.20	1.13e-02	2.56e-02	0.19	-5.06e-02
5	18	61	-0.18	-1.77	-0.28	-1.67	0.38	0.11	4.40e-03	0.10	8.55e-03	2.03e-02
5	18	62	-0.37	-2.41	-0.60	-2.18	0.65	0.14	5.40e-02	9.11e-02	9.88e-02	-4.08e-02
5	18	69	-5.49e-02	-0.30	-0.18	-0.18	0.12	-6.07e-02	-0.30	-0.30	-6.07e-02	2.53e-03
5	18	70	0.69	-1.98	-1.33	3.98e-02	1.15	-2.32e-02	-0.14	-0.13	-2.89e-02	-2.48e-02
5	19	9	29.16	4.81	4.93	29.04	1.71	-0.35	-1.76	-1.75	-0.36	0.10
5	19	10	9.66	-5.55	4.60	-0.49	-7.16	3.75	0.72	3.73	0.74	-0.26
5	19	11	28.87	4.53	4.79	28.61	-2.51	-0.33	-1.75	-1.75	-0.34	-9.82e-02
5	19	12	9.02	-4.36	4.84	-0.19	6.20	3.78	0.74	3.75	0.76	0.26
5	19	21	28.77	5.04	5.04	28.77	0.24	-1.42e-02	-8.78e-02	-8.66e-02	-1.53e-02	9.16e-03
5	19	22	28.48	4.94	4.96	28.46	-0.77	-2.91e-02	-9.50e-02	-9.45e-02	-2.96e-02	-5.37e-03
5	19	29	28.20	5.12	5.12	28.20	-0.14	-3.83e-04	-1.58e-02	-1.39e-02	-2.35e-03	-5.15e-03
5	19	30	27.91	5.05	5.05	27.91	-0.12	-1.09e-02	-2.64e-02	-2.15e-02	-1.59e-02	7.23e-03
5	19	37	28.16	5.15	5.15	28.16	-1.72e-03	-4.58e-03	-2.50e-02	-2.50e-02	-4.58e-03	2.15e-05
5	19	38	27.87	5.08	5.08	27.87	-1.72e-03	-1.89e-02	-3.27e-02	-3.27e-02	-1.89e-02	-3.68e-05
5	19	45	28.20	5.12	5.12	28.20	0.14	-3.30e-04	-1.58e-02	-1.38e-02	-2.31e-03	5.16e-03
5	19	46	27.90	5.05	5.05	27.90	0.12	-1.09e-02	-2.63e-02	-2.14e-02	-1.58e-02	-7.23e-03
5	19	53	28.76	5.04	5.04	28.76	-0.24	-1.41e-02	-8.75e-02	-8.64e-02	-1.52e-02	-9.17e-03
5	19	54	28.47	4.93	4.96	28.45	0.77	-2.90e-02	-9.47e-02	-9.43e-02	-2.95e-02	5.37e-03
5	19	61	29.15	4.80	4.92	29.03	-1.71	-0.35	-1.76	-1.75	-0.36	-0.10
5	19	62	28.86	4.53	4.79	28.60	2.51	-0.33	-1.75	-1.75	-0.34	9.82e-02
5	19	69	9.66	-5.55	4.60	-0.49	7.17	3.75	0.72	3.73	0.74	0.26
5	19	70	9.01	-4.36	4.84	-0.19	-6.20	3.78	0.74	3.75	0.76	-0.26
5	20	9	-0.64	-4.40	-0.73	-4.31	-0.58	0.27	3.60e-02	0.26	3.97e-02	-2.93e-02
5	20	10	0.14	-0.94	-0.65	-0.15	0.48	-0.13	-0.64	-0.64	-0.13	2.08e-02
5	20	11	-0.99	-4.89	-1.05	-4.84	-0.47	0.27	0.11	0.25	0.13	4.93e-02
5	20	12	1.15	-2.84	-1.76	7.26e-02	-1.77	-9.75e-02	-0.47	-0.47	-9.75e-02	1.02e-03
5	20	21	-0.78	-4.31	-0.80	-4.30	-0.26	4.67e-02	-4.87e-02	2.12e-02	-2.32e-02	-4.22e-02
5	20	22	-0.57	-4.72	-0.61	-4.68	-0.42	0.21	1.90e-02	3.40e-02	0.19	5.11e-02
5	20	29	-0.77	-4.24	-0.77	-4.24	-0.10	1.30e-02	-6.78e-02	5.85e-03	-6.07e-02	-2.29e-02
5	20	30	-0.48	-4.60	-0.50	-4.59	-0.23	0.32	6.19e-02	6.44e-02	0.31	2.53e-02
5	20	37	-0.76	-4.24	-0.76	-4.24	1.73e-03	6.39e-03	-6.89e-02	6.39e-03	-6.89e-02	1.99e-05
5	20	38	-0.47	-4.59	-0.47	-4.59	1.73e-03	0.35	7.99e-02	7.99e-02	0.35	5.84e-05
5	20	45	-0.77	-4.23	-0.77	-4.23	0.11	1.29e-02	-6.79e-02	5.74e-03	-6.07e-02	2.29e-02
5	20	46	-0.48	-4.59	-0.49	-4.58	0.23	0.32	6.17e-02	6.43e-02	0.31	-2.53e-02
5	20	53	-0.78	-4.31	-0.80	-4.29	0.26	4.65e-02	-4.88e-02	2.09e-02	-2.33e-02	4.22e-02
5	20	54	-0.57	-4.71	-0.61	-4.67	0.42	0.21	1.87e-02	3.37e-02	0.19	-5.11e-02
5	20	61	-0.64	-4.40	-0.73	-4.31	0.58	0.27	3.59e-02	0.26	3.97e-02	2.93e-02
5	20	62	-0.99	-4.89	-1.05	-4.83	0.47	0.27	0.11	0.25	0.13	-4.93e-02
5	20	69	0.14	-0.94	-0.65	-0.15	-0.48	-0.13	-0.64	-0.64	-0.13	-2.08e-02
5	20	70	1.15	-2.84	-1.76	7.27e-02	1.77	-9.74e-02	-0.47	-0.47	-9.74e-02	-1.02e-03
5	21	9	31.82	5.24	5.38	31.68	1.91	-0.39	-1.92	-1.91	-0.39	0.11
5	21	10	10.53	-5.98	5.07	-0.52	-7.77	4.09	0.78	4.07	0.81	-0.28
5	21	11	31.53	4.97	5.24	31.26	-2.69	-0.36	-1.92	-1.91	-0.37	-0.11
5	21	12	9.88	-4.83	5.27	-0.22	6.83	4.12	0.80	4.10	0.83	0.29
5	21	21	31.39	5.49	5.50	31.39	0.28	-1.54e-02	-9.55e-02	-9.42e-02	-1.66e-02	1.00e-02
5	21	22	31.11	5.40	5.42	31.09	-0.80	-3.16e-02	-0.10	-0.10	-3.21e-02	-5.89e-03
5	21	29	30.78	5.58	5.58	30.78	-0.14	-2.30e-04	-1.71e-02	-1.50e-02	-2.38e-03	-5.64e-03
5	21	30	30.49	5.52	5.52	30.49	-0.12	-1.18e-02	-2.87e-02	-2.32e-02	-1.73e-02	7.88e-03
5	21	37	30.73	5.61	5.61	30.73	-1.73e-03	-4.79e-03	-2.71e-02	-2.71e-02	-4.79e-03	-1.99e-05
5	21	38	30.44	5.55	5.55	30.44	-1.73e-03	-2.06e-02	-3.53e-02	-3.53e-02	-2.06e-02	-5.84e-05
5	21	45	30.77	5.57	5.58	30.77	0.14	-2.04e-04	-1.70e-02	-1.49e-02	-2.35e-03	5.61e-03
5	21	46	30.48	5.52	5.52	30.48	0.11	-1.18e-02	-2.86e-02	-2.31e-02	-1.72e-02	-7.88e-03
5	21	53	31.39	5.49	5.49	31.38	-0.28	-1.53e-02	-9.53e-02	-9.40e-02	-1.66e-02	-1.00e-02
5	21	54	31.10	5.39	5.42	31.08	0.80	-3.15e-02	-0.10	-0.10	-3.20e-02	5.88e-03
5	21	61	31.82	5.24	5.38	31.68	-1.90	-0.39	-1.92	-1.91	-0.39	-0.11
5	21	62	31.53	4.96	5.24	31.25	2.69	-0.36	-1.92	-1.91	-0.37	0.11
5	21	69	10.53	-5.98	5.07	-0.52	7.77	4.09	0.78	4.07	0.81	0.28
5	21	70	9.88	-4.83	5.27	-0.22	-6.82	4.12	0.80	4.10	0.83	-0.29
5	22	9	-0.18	-1.77	-0.28	-1.67	-0.38	0.11	4.42e-03	0.10	8.56e-03	-2.02e-02
5	22	10	-5.51e-02	-0.30	-0.18	-0.18	-0.12	-6.07e-02	-0.30	-0.30	-6.07e-02	-2.51e-03
5	22	11	-0.37	-2.41	-0.60	-2.18	-0.65	0.14	5.40e-02	9.11e-02	9.88e-02	4.08e-02
5	22	12	0.69	-1.98	-1.33	3.97e-02	-1.15	-2.32e-02	-0.14	-0.13	-2.89e-02	2.48e-02
5	22	21	-0.32	-1.71	-0.35	-1.67	-0.21	4.00e-02	-5.10e-02	1.36e-02	-2.45e-02	-4.13e-02
5	22	22	-4.94e-02	-2.15	-0.15	-2.05	-0.45	0.20	1.13e-02	2.56e-02	0.19	5.06e-02
5	22	29	-0.31	-1.67	-0.32	-1.66	-0.10	1.22e-02	-6.82e-02	4.74e-03	-6.07e-02	-2.34e-02
5	22	30	-5.00e-03	-2.03	-2.92e-02	-2.01	-0.22	0.31	6.00e-02	6.27e-02	0.31	2.59e-02
5	22	37	-0.31	-1.67	-0.31	-1.67	1.72e-03	4.30e-03	-6.91e-02	4.30e-03	-6.91e-02	-2.15e-05

5	22	38	-1.00e-03	-2.01	-1.00e-03	-2.01	1.72e-03	0.35	7.72e-02	7.72e-02	0.35	3.68e-05
5	22	45	-0.31	-1.67	-0.32	-1.66	0.11	1.21e-02	-6.83e-02	4.65e-03	-6.08e-02	2.34e-02
5	22	46	-1.17e-03	-2.03	-2.59e-02	-2.00	0.22	0.31	5.99e-02	6.26e-02	0.31	-2.59e-02
5	22	53	-0.31	-1.70	-0.35	-1.66	0.21	3.98e-02	-5.11e-02	1.33e-02	-2.46e-02	4.14e-02
5	22	54	-4.41e-02	-2.14	-0.15	-2.04	0.45	0.20	1.10e-02	2.53e-02	0.19	-5.06e-02
5	22	61	-0.17	-1.76	-0.27	-1.66	0.38	0.11	4.37e-03	0.10	8.51e-03	2.03e-02
5	22	62	-0.37	-2.41	-0.60	-2.18	0.64	0.14	5.39e-02	9.10e-02	9.88e-02	-4.08e-02
5	22	69	-5.79e-02	-0.30	-0.18	-0.18	0.12	-6.06e-02	-0.30	-0.30	-6.06e-02	2.52e-03
5	22	70	0.69	-1.98	-1.33	3.99e-02	1.14	-2.31e-02	-0.14	-0.13	-2.88e-02	-2.48e-02
5	23	9	110.68	18.17	18.83	110.02	7.78	-1.29	-6.68	-6.65	-1.32	0.38
5	23	10	36.34	-18.71	18.88	-1.24	-25.62	14.22	2.75	14.14	2.83	-0.97
5	23	11	110.57	17.83	18.51	109.89	-7.91	-1.32	-6.70	-6.68	-1.35	-0.36
5	23	12	35.51	-18.83	17.88	-1.20	25.44	14.36	2.78	14.28	2.86	0.99
5	23	21	109.17	18.91	18.94	109.13	1.72	-5.16e-02	-0.33	-0.32	-5.63e-02	3.57e-02
5	23	22	109.08	19.05	19.09	109.04	-1.78	-0.11	-0.36	-0.35	-0.11	-2.12e-02
5	23	29	107.02	19.04	19.04	107.02	-0.13	3.84e-03	-5.50e-02	-4.76e-02	-3.56e-03	-1.95e-02
5	23	30	106.92	19.41	19.41	106.92	0.11	-3.84e-02	-9.50e-02	-7.41e-02	-5.93e-02	2.73e-02
5	23	37	106.87	19.08	19.08	106.87	5.75e-03	-1.15e-02	-9.06e-02	-9.06e-02	-1.15e-02	-1.08e-05
5	23	38	106.78	19.53	19.53	106.78	5.75e-03	-7.14e-02	-0.12	-0.12	-7.14e-02	1.55e-04
5	23	45	107.04	19.05	19.05	107.04	0.14	3.70e-03	-5.53e-02	-4.80e-02	-3.69e-03	1.95e-02
5	23	46	106.94	19.42	19.42	106.94	-9.75e-02	-3.86e-02	-9.53e-02	-7.45e-02	-5.94e-02	-2.73e-02
5	23	53	109.19	18.92	18.95	109.16	-1.72	-5.18e-02	-0.33	-0.32	-5.66e-02	-3.57e-02
5	23	54	109.11	19.07	19.10	109.07	1.78	-0.11	-0.36	-0.35	-0.11	2.12e-02
5	23	61	110.69	18.18	18.84	110.03	-7.79	-1.29	-6.68	-6.65	-1.32	-0.38
5	23	62	110.59	17.84	18.52	109.91	7.90	-1.32	-6.70	-6.68	-1.35	0.36
5	23	69	36.33	-18.70	18.88	-1.24	25.61	14.22	2.75	14.14	2.83	0.97
5	23	70	35.52	-18.84	17.88	-1.20	-25.45	14.37	2.78	14.28	2.86	-0.99
5	24	9	2.23e-02	-1.15	-4.71e-03	-1.12	0.18	0.11	-1.48e-02	7.47e-02	2.23e-02	-5.76e-02
5	24	10	1.39	-0.12	1.38	-0.11	-0.12	-6.36e-02	-0.44	-0.43	-6.78e-02	-3.94e-02
5	24	11	-0.11	-2.38	-0.94	-1.55	-1.09	0.27	-7.40e-02	-1.40e-02	0.21	0.13
5	24	12	-3.36e-02	-4.41	-4.11	-0.34	-1.11	0.25	-5.14e-02	0.19	7.71e-03	0.12
5	24	21	-0.51	-1.04	-0.52	-1.03	7.45e-02	0.12	-0.17	3.64e-02	-8.31e-02	-0.14
5	24	22	0.72	-1.55	0.54	-1.36	-0.63	0.68	2.70e-02	7.30e-02	0.63	0.17
5	24	29	-0.61	-1.08	-0.61	-1.08	-1.54e-02	4.31e-02	-0.22	1.74e-02	-0.20	-7.87e-02
5	24	30	0.96	-1.38	0.94	-1.35	-0.26	1.05	0.20	0.21	1.04	8.74e-02
5	24	37	-0.64	-1.14	-0.64	-1.14	-5.75e-03	1.40e-02	-0.23	1.40e-02	-0.23	-2.93e-06
5	24	38	1.02	-1.39	1.02	-1.39	-5.75e-03	1.17	0.26	0.26	1.17	-1.61e-04
5	24	45	-0.61	-1.09	-0.61	-1.09	7.53e-03	4.34e-02	-0.22	1.78e-02	-0.20	7.87e-02
5	24	46	0.95	-1.39	0.93	-1.37	0.25	1.05	0.20	0.21	1.04	-8.74e-02
5	24	53	-0.52	-1.06	-0.53	-1.05	-7.38e-02	0.13	-0.17	3.72e-02	-8.29e-02	0.14
5	24	54	0.71	-1.58	0.52	-1.39	0.63	0.68	2.79e-02	7.40e-02	0.63	-0.17
5	24	61	8.57e-03	-1.16	-1.59e-02	-1.14	-0.17	0.11	-1.47e-02	7.50e-02	2.24e-02	5.77e-02
5	24	62	-0.11	-2.40	-0.95	-1.56	1.10	0.27	-7.37e-02	-1.37e-02	0.21	-0.13
5	24	69	1.39	-0.12	1.37	-0.11	0.13	-6.39e-02	-0.44	-0.44	-6.80e-02	3.94e-02
5	24	70	-2.86e-02	-4.42	-4.11	-0.34	1.12	0.25	-5.20e-02	0.19	7.38e-03	-0.12
5	25	9	111.48	18.30	18.97	110.81	7.84	-1.30	-6.72	-6.70	-1.33	0.38
5	25	10	36.60	-18.84	19.02	-1.25	-25.80	14.33	2.77	14.24	2.85	-0.98
5	25	11	111.37	17.96	18.65	110.69	-7.96	-1.33	-6.75	-6.73	-1.36	-0.36
5	25	12	35.77	-18.97	18.01	-1.21	25.63	14.47	2.80	14.38	2.88	1.00
5	25	21	109.95	19.05	19.08	109.92	1.73	-5.19e-02	-0.33	-0.32	-5.67e-02	3.60e-02
5	25	22	109.87	19.19	19.23	109.83	-1.79	-0.11	-0.36	-0.36	-0.11	-2.13e-02
5	25	29	107.79	19.18	19.18	107.79	-0.13	3.88e-03	-5.54e-02	-4.79e-02	-3.57e-03	-1.96e-02
5	25	30	107.70	19.55	19.55	107.70	0.11	-3.87e-02	-9.57e-02	-7.47e-02	-5.97e-02	2.75e-02
5	25	37	107.64	19.22	19.22	107.64	5.75e-03	-1.16e-02	-9.12e-02	-9.12e-02	-1.16e-02	2.93e-06
5	25	38	107.55	19.67	19.67	107.55	5.75e-03	-7.19e-02	-0.12	-0.12	-7.19e-02	1.61e-04
5	25	45	107.81	19.18	19.18	107.81	0.14	3.74e-03	-5.57e-02	-4.83e-02	-3.70e-03	1.97e-02
5	25	46	107.72	19.56	19.56	107.72	-9.95e-02	-3.89e-02	-9.59e-02	-7.50e-02	-5.98e-02	-2.75e-02
5	25	53	109.98	19.05	19.09	109.95	-1.73	-5.22e-02	-0.33	-0.32	-5.70e-02	-3.59e-02
5	25	54	109.90	19.21	19.24	109.86	1.79	-0.11	-0.36	-0.36	-0.11	2.14e-02
5	25	61	111.49	18.31	18.98	110.83	-7.85	-1.30	-6.72	-6.70	-1.33	-0.38
5	25	62	111.39	17.97	18.66	110.70	7.95	-1.33	-6.75	-6.73	-1.36	0.36
5	25	69	36.59	-18.82	19.02	-1.25	25.79	14.33	2.77	14.24	2.85	0.98
5	25	70	35.78	-18.98	18.01	-1.21	-25.64	14.47	2.80	14.38	2.88	-1.00
5	26	9	0.23	-0.43	0.13	-0.33	0.23	7.52e-02	-3.55e-02	2.67e-02	1.29e-02	-5.49e-02
5	26	10	1.57	-0.17	1.52	-0.11	-0.30	-3.99e-02	-0.34	-0.33	-4.73e-02	-4.64e-02
5	26	11	0.37	-1.93	-0.81	-0.75	-1.15	0.26	-0.11	-6.23e-02	0.20	0.13
5	26	12	-0.13	-4.20	-3.98	-0.35	-0.92	0.34	-2.25e-02	0.29	2.83e-02	0.13
5	26	21	-0.20	-0.43	-0.39	-0.24	8.86e-02	0.12	-0.17	3.41e-02	-8.35e-02	-0.14
5	26	22	0.94	-0.84	0.67	-0.57	-0.64	0.68	2.46e-02	7.04e-02	0.63	0.17
5	26	29	-0.30	-0.47	-0.47	-0.31	-1.55e-02	4.29e-02	-0.22	1.71e-02	-0.20	-7.89e-02
5	26	30	1.11	-0.61	1.08	-0.58	-0.25	1.05	0.20	0.21	1.04	8.76e-02
5	26	37	-0.37	-0.50	-0.50	-0.37	-5.75e-03	1.34e-02	-0.23	1.34e-02	-0.23	1.08e-05
5	26	38	1.16	-0.62	1.16	-0.62	-5.75e-03	1.17	0.26	0.26	1.17	-1.55e-04
5	26	45	-0.32	-0.48	-0.48	-0.32	7.64e-03	4.32e-02	-0.22	1.75e-02	-0.20	7.88e-02
5	26	46	1.10	-0.63	1.07	-0.59	0.25	1.05	0.20	0.21	1.04	-8.76e-02
5	26	53	-0.22	-0.44	-0.40	-0.27	-8.80e-02	0.12	-0.17	3.49e-02	-8.33e-02	0.14
5	26	54	0.92	-0.87	0.66	-0.60	0.64	0.68	2.56e-02	7.14e-02	0.63	-0.17

5	26	61	0.21	-0.44	0.12	-0.34	-0.23	7.55e-02	-3.53e-02	2.71e-02	1.31e-02	5.50e-02
5	26	62	0.37	-1.95	-0.81	-0.77	1.16	0.26	-0.11	-6.20e-02	0.20	-0.13
5	26	69	1.57	-0.17	1.51	-0.11	0.31	-4.02e-02	-0.34	-0.33	-4.76e-02	4.64e-02
5	26	70	-0.12	-4.21	-3.98	-0.35	0.93	0.34	-2.30e-02	0.29	2.80e-02	-0.13
5	27	9	110.68	18.17	18.83	110.02	7.78	-1.29	-6.68	-6.65	-1.32	0.38
5	27	10	36.34	-18.71	18.88	-1.24	-25.62	14.22	2.75	14.14	2.83	-0.97
5	27	11	110.57	17.83	18.51	109.89	-7.91	-1.32	-6.70	-6.68	-1.35	-0.36
5	27	12	35.51	-18.83	17.88	-1.20	25.44	14.36	2.78	14.28	2.86	0.99
5	27	21	109.17	18.91	18.94	109.13	1.72	-5.16e-02	-0.33	-0.32	-5.63e-02	3.57e-02
5	27	22	109.08	19.05	19.09	109.04	-1.78	-0.11	-0.36	-0.35	-0.11	-2.12e-02
5	27	29	107.02	19.04	19.04	107.02	-0.13	3.84e-03	-5.50e-02	-4.76e-02	-3.56e-03	-1.95e-02
5	27	30	106.92	19.41	19.41	106.92	0.11	-3.84e-02	-9.50e-02	-7.41e-02	-5.93e-02	2.73e-02
5	27	37	106.87	19.08	19.08	106.87	5.75e-03	-1.15e-02	-9.06e-02	-9.06e-02	-1.15e-02	2.28e-06
5	27	38	106.78	19.53	19.53	106.78	5.75e-03	-7.14e-02	-0.12	-0.12	-7.14e-02	1.61e-04
5	27	45	107.04	19.05	19.05	107.04	0.14	3.70e-03	-5.54e-02	-4.80e-02	-3.69e-03	1.95e-02
5	27	46	106.94	19.42	19.42	106.94	-9.75e-02	-3.86e-02	-9.53e-02	-7.45e-02	-5.94e-02	-2.73e-02
5	27	53	109.19	18.92	18.95	109.16	-1.72	-5.18e-02	-0.33	-0.32	-5.66e-02	-3.57e-02
5	27	54	109.11	19.07	19.10	109.07	1.78	-0.11	-0.36	-0.35	-0.11	2.12e-02
5	27	61	110.69	18.18	18.84	110.03	-7.79	-1.29	-6.68	-6.65	-1.32	-0.38
5	27	62	110.59	17.84	18.52	109.91	7.90	-1.32	-6.70	-6.68	-1.35	0.36
5	27	69	36.33	-18.70	18.88	-1.24	25.61	14.22	2.75	14.14	2.83	0.97
5	27	70	35.52	-18.84	17.88	-1.20	-25.45	14.37	2.78	14.28	2.86	-0.99
5	28	9	2.23e-02	-1.15	-4.71e-03	-1.12	0.18	0.11	-1.48e-02	7.47e-02	2.23e-02	-5.76e-02
5	28	10	1.39	-0.12	1.38	-0.11	-0.12	-6.36e-02	-0.44	-0.43	-6.78e-02	-3.94e-02
5	28	11	-0.11	-2.38	-0.94	-1.55	-1.09	0.27	-7.40e-02	-1.40e-02	0.21	0.13
5	28	12	-3.36e-02	-4.41	-4.11	-0.34	-1.11	0.25	-5.14e-02	0.19	7.71e-03	0.12
5	28	21	-0.51	-1.04	-0.52	-1.03	7.45e-02	0.12	-0.17	3.64e-02	-8.31e-02	-0.14
5	28	22	0.72	-1.55	0.54	-1.36	-0.63	0.68	2.70e-02	7.30e-02	0.63	0.17
5	28	29	-0.61	-1.08	-0.61	-1.08	-1.54e-02	4.31e-02	-0.22	1.74e-02	-0.20	-7.87e-02
5	28	30	0.96	-1.38	0.94	-1.35	-0.26	1.05	0.20	0.21	1.04	8.74e-02
5	28	37	-0.64	-1.14	-0.64	-1.14	-5.75e-03	1.40e-02	-0.23	1.40e-02	-0.23	1.01e-05
5	28	38	1.02	-1.39	1.02	-1.39	-5.75e-03	1.17	0.26	0.26	1.17	-1.55e-02
5	28	45	-0.61	-1.09	-0.61	-1.09	7.53e-03	4.34e-02	-0.22	1.78e-02	-0.20	7.87e-02
5	28	46	0.95	-1.39	0.93	-1.37	0.25	1.05	0.20	0.21	1.04	-8.74e-02
5	28	53	-0.52	-1.06	-0.53	-1.05	-7.38e-02	0.13	-0.17	3.72e-02	-8.29e-02	0.14
5	28	54	0.71	-1.58	0.52	-1.39	0.63	0.68	2.79e-02	7.40e-02	0.63	-0.17
5	28	61	8.57e-03	-1.16	-1.59e-02	-1.14	-0.17	0.11	-1.47e-02	7.50e-02	2.24e-02	5.77e-02
5	28	62	-0.11	-2.40	-0.95	-1.56	1.10	0.27	-7.37e-02	-1.37e-02	0.21	-0.13
5	28	69	1.39	-0.12	1.37	-0.11	0.13	-6.39e-02	-0.44	-0.44	-6.80e-02	3.94e-02
5	28	70	-2.86e-02	-4.42	-4.11	-0.34	1.12	0.25	-5.20e-02	0.19	7.38e-03	-0.12
5	29	9	111.48	18.30	18.97	110.81	7.84	-1.30	-6.72	-6.70	-1.33	0.38
5	29	10	36.60	-18.84	19.02	-1.25	-25.80	14.33	2.77	14.24	2.85	-0.98
5	29	11	111.37	17.96	18.65	110.69	-7.96	-1.33	-6.75	-6.73	-1.36	-0.36
5	29	12	35.77	-18.97	18.01	-1.21	25.63	14.47	2.80	14.38	2.88	1.00
5	29	21	109.95	19.05	19.08	109.92	1.73	-5.19e-02	-0.33	-0.32	-5.67e-02	3.59e-02
5	29	22	109.87	19.19	19.23	109.83	-1.79	-0.11	-0.36	-0.36	-0.11	-2.13e-02
5	29	29	107.79	19.18	19.18	107.79	-0.13	3.88e-03	-5.54e-02	-4.79e-02	-3.57e-03	-1.97e-02
5	29	30	107.70	19.55	19.55	107.70	0.11	-3.87e-02	-9.57e-02	-7.47e-02	-5.97e-02	2.75e-02
5	29	37	107.64	19.22	19.22	107.64	5.75e-03	-1.16e-02	-9.12e-02	-9.12e-02	-1.16e-02	-1.01e-05
5	29	38	107.55	19.67	19.67	107.55	5.75e-03	-7.19e-02	-0.12	-0.12	-7.19e-02	1.55e-04
5	29	45	107.81	19.18	19.18	107.81	0.14	3.74e-03	-5.57e-02	-4.83e-02	-3.70e-03	1.97e-02
5	29	46	107.72	19.56	19.56	107.72	-9.95e-02	-3.89e-02	-9.59e-02	-7.50e-02	-5.98e-02	-2.75e-02
5	29	53	109.98	19.05	19.09	109.95	-1.73	-5.22e-02	-0.33	-0.32	-5.70e-02	-3.59e-02
5	29	54	109.90	19.21	19.24	109.86	1.79	-0.11	-0.36	-0.36	-0.11	2.13e-02
5	29	61	111.49	18.31	18.98	110.83	-7.85	-1.30	-6.72	-6.70	-1.33	-0.38
5	29	62	111.39	17.97	18.66	110.70	7.95	-1.33	-6.75	-6.73	-1.36	0.36
5	29	69	36.59	-18.82	19.02	-1.25	25.79	14.33	2.77	14.24	2.85	0.98
5	29	70	35.78	-18.98	18.01	-1.21	-25.64	14.47	2.80	14.38	2.88	-1.00
5	30	9	0.23	-0.43	0.13	-0.33	0.23	7.52e-02	-3.55e-02	2.67e-02	1.29e-02	-5.49e-02
5	30	10	1.57	-0.17	1.52	-0.11	-0.30	-3.99e-02	-0.34	-0.33	-4.73e-02	-4.64e-02
5	30	11	0.37	-1.93	-0.81	-0.75	-1.15	0.26	-0.11	-6.23e-02	0.20	0.13
5	30	12	-0.13	-4.20	-3.98	-0.35	-0.92	0.34	-2.25e-02	0.29	2.83e-02	0.13
5	30	21	-0.20	-0.43	-0.39	-0.24	8.86e-02	0.12	-0.17	3.41e-02	-8.35e-02	-0.14
5	30	22	0.94	-0.84	0.67	-0.57	-0.64	0.68	2.46e-02	7.04e-02	0.63	0.17
5	30	29	-0.30	-0.47	-0.47	-0.31	-1.55e-02	4.29e-02	-0.22	1.71e-02	-0.20	-7.89e-02
5	30	30	1.11	-0.61	1.08	-0.58	-0.25	1.05	0.20	0.21	1.04	8.76e-02
5	30	37	-0.37	-0.50	-0.50	-0.37	-5.75e-03	1.34e-02	-0.23	1.34e-02	-0.23	-2.28e-06
5	30	38	1.16	-0.62	1.16	-0.62	-5.75e-03	1.17	0.26	0.26	1.17	-1.61e-04
5	30	45	-0.32	-0.48	-0.48	-0.32	7.64e-03	4.32e-02	-0.22	1.75e-02	-0.20	7.88e-02
5	30	46	1.10	-0.63	1.07	-0.59	0.25	1.05	0.20	0.21	1.04	-8.76e-02
5	30	53	-0.22	-0.44	-0.40	-0.27	-8.80e-02	0.12	-0.17	3.49e-02	-8.33e-02	0.14
5	30	54	0.92	-0.87	0.66	-0.60	0.64	0.68	2.56e-02	7.14e-02	0.63	-0.17
5	30	61	0.21	-0.44	0.12	-0.34	-0.23	7.55e-02	-3.53e-02	2.71e-02	1.31e-02	5.50e-02
5	30	62	0.37	-1.95	-0.81	-0.77	1.16	0.26	-0.11	-6.20e-02	0.20	-0.13
5	30	69	1.57	-0.17	1.51	-0.11	0.31	-4.02e-02	-0.34	-0.33	-4.76e-02	4.64e-02
5	30	70	-0.12	-4.21	-3.98	-0.35	0.93	0.34	-2.30e-02	0.29	2.80e-02	-0.13
5	31	9	110.69	18.18	18.84	110.03	7.79	-1.29	-6.68	-6.65	-1.32	0.38

5	31	10	36.33	-18.70	18.88	-1.24	-25.61	14.22	2.75	14.14	2.83	-0.97
5	31	11	110.59	17.84	18.52	109.91	-7.90	-1.32	-6.70	-6.68	-1.35	-0.36
5	31	12	35.52	-18.84	17.88	-1.20	25.45	14.37	2.78	14.28	2.86	0.99
5	31	21	109.19	18.92	18.95	109.16	1.72	-5.18e-02	-0.33	-0.32	-5.66e-02	3.57e-02
5	31	22	109.11	19.07	19.10	109.07	-1.78	-0.11	-0.36	-0.35	-0.11	-2.12e-02
5	31	29	107.04	19.05	19.05	107.04	-0.14	3.70e-03	-5.53e-02	-4.80e-02	-3.69e-03	-1.95e-02
5	31	30	106.94	19.42	19.42	106.94	9.75e-02	-3.86e-02	-9.53e-02	-7.45e-02	-5.94e-02	2.73e-02
5	31	37	106.87	19.08	19.08	106.87	-5.74e-03	-1.15e-02	-9.06e-02	-9.06e-02	-1.15e-02	-4.16e-06
5	31	38	106.78	19.53	19.53	106.78	-5.74e-03	-7.14e-02	-0.12	-0.12	-7.14e-02	-1.62e-04
5	31	45	107.02	19.04	19.04	107.02	0.13	3.83e-03	-5.50e-02	-4.76e-02	-3.56e-03	1.95e-02
5	31	46	106.93	19.41	19.41	106.92	-0.11	-3.84e-02	-9.50e-02	-7.42e-02	-5.93e-02	-3.57e-02
5	31	53	109.17	18.91	18.94	109.13	-1.72	-5.16e-02	-0.33	-0.32	-5.63e-02	-3.57e-02
5	31	54	109.08	19.05	19.09	109.04	1.78	-0.11	-0.36	-0.35	-0.11	2.12e-02
5	31	61	110.68	18.17	18.83	110.02	-7.78	-1.29	-6.68	-6.65	-1.32	-0.38
5	31	62	110.57	17.83	18.51	109.89	7.91	-1.32	-6.70	-6.68	-1.35	0.36
5	31	69	36.34	-18.71	18.88	-1.24	25.62	14.22	2.75	14.14	2.83	0.97
5	31	70	35.51	-18.83	17.88	-1.20	-25.44	14.36	2.78	14.28	2.86	-0.99
5	32	9	8.63e-03	-1.16	-1.58e-02	-1.14	0.17	0.11	-1.47e-02	7.50e-02	2.24e-02	-5.77e-02
5	32	10	1.39	-0.12	1.37	-0.11	-0.13	-6.39e-02	-0.44	-0.44	-6.80e-02	-3.94e-02
5	32	11	-0.11	-2.40	-0.95	-1.56	-1.10	0.27	-7.37e-02	-1.37e-02	0.21	0.13
5	32	12	-2.85e-02	-4.42	-4.11	-0.34	-1.12	0.25	-5.20e-02	0.19	7.38e-03	0.12
5	32	21	-0.52	-1.06	-0.53	-1.05	7.40e-02	0.13	-0.17	3.72e-02	-8.29e-02	-0.14
5	32	22	0.71	-1.58	0.52	-1.39	-0.63	0.68	2.79e-02	7.40e-02	0.63	0.17
5	32	29	-0.61	-1.09	-0.61	-1.09	-7.50e-03	4.34e-02	-0.22	1.78e-02	-0.20	-7.87e-02
5	32	30	0.95	-1.39	0.93	-1.37	-0.25	1.05	0.20	0.21	1.04	8.74e-02
5	32	37	-0.64	-1.14	-0.64	-1.14	5.75e-03	1.40e-02	-0.23	1.40e-02	-0.23	-9.57e-06
5	32	38	1.02	-1.39	1.02	-1.39	5.75e-03	1.17	0.26	0.26	1.17	1.56e-04
5	32	45	-0.61	-1.08	-0.61	-1.08	1.54e-02	4.31e-02	-0.22	1.75e-02	-0.20	7.87e-02
5	32	46	0.96	-1.38	0.94	-1.35	0.26	1.05	0.20	0.21	1.04	-8.74e-02
5	32	53	-0.51	-1.04	-0.52	-1.02	-7.44e-02	0.12	-0.17	3.64e-02	-8.31e-02	0.14
5	32	54	0.72	-1.55	0.54	-1.36	0.63	0.68	2.70e-02	7.29e-02	0.63	-0.17
5	32	61	2.23e-02	-1.15	-4.71e-03	-1.12	-0.18	0.11	-1.48e-02	7.47e-02	2.23e-02	5.76e-02
5	32	62	-0.11	-2.38	-0.94	-1.55	1.09	0.27	-7.40e-02	-1.40e-02	0.21	-0.13
5	32	69	1.39	-0.12	1.38	-0.11	0.12	-6.36e-02	-0.44	-0.43	-6.78e-02	3.94e-02
5	32	70	-3.36e-02	-4.41	-4.11	-0.34	1.11	0.25	-5.14e-02	0.19	7.72e-03	-0.12
5	33	9	111.49	18.31	18.98	110.83	7.85	-1.30	-6.72	-6.70	-1.33	0.38
5	33	10	36.59	-18.82	19.02	-1.25	-25.79	14.33	2.77	14.24	2.85	-0.98
5	33	11	111.39	17.97	18.66	110.70	-7.95	-1.33	-6.75	-6.73	-1.36	-0.36
5	33	12	35.78	-18.98	18.01	-1.21	25.64	14.47	2.80	14.38	2.88	1.00
5	33	21	109.98	19.05	19.09	109.95	1.73	-5.22e-02	-0.33	-0.32	-5.69e-02	3.59e-02
5	33	22	109.90	19.21	19.24	109.86	-1.79	-0.11	-0.36	-0.36	-0.11	-2.14e-02
5	33	29	107.81	19.18	19.18	107.81	-0.14	3.74e-03	-5.57e-02	-4.83e-02	-3.70e-03	-1.97e-02
5	33	30	107.72	19.56	19.56	107.72	9.95e-02	-3.89e-02	-9.59e-02	-7.50e-02	-5.98e-02	2.75e-02
5	33	37	107.64	19.22	19.22	107.64	-5.75e-03	-1.16e-02	-9.12e-02	-9.12e-02	-1.16e-02	9.57e-06
5	33	38	107.55	19.67	19.67	107.55	-5.75e-03	-7.19e-02	-0.12	-0.12	-7.19e-02	-1.56e-04
5	33	45	107.79	19.18	19.18	107.79	0.13	3.88e-03	-5.54e-02	-4.80e-02	-3.58e-03	1.97e-02
5	33	46	107.70	19.55	19.55	107.70	-0.11	-3.87e-02	-9.57e-02	-7.47e-02	-5.97e-02	-2.75e-02
5	33	53	109.95	19.05	19.08	109.92	-1.73	-5.19e-02	-0.33	-0.32	-5.67e-02	-3.60e-02
5	33	54	109.87	19.19	19.23	109.83	1.79	-0.11	-0.36	-0.36	-0.11	2.13e-02
5	33	61	111.48	18.30	18.97	110.81	-7.84	-1.30	-6.72	-6.70	-1.33	-0.38
5	33	62	111.37	17.96	18.65	110.69	7.96	-1.33	-6.75	-6.73	-1.36	0.36
5	33	69	36.60	-18.84	19.02	-1.25	25.80	14.32	2.77	14.24	2.85	0.98
5	33	70	35.77	-18.97	18.01	-1.21	-25.63	14.47	2.80	14.38	2.88	-1.00
5	34	9	0.21	-0.44	0.12	-0.34	0.23	7.55e-02	-3.53e-02	2.71e-02	1.31e-02	-5.50e-02
5	34	10	1.57	-0.17	1.51	-0.11	-0.31	-4.02e-02	-0.34	-0.33	-4.76e-02	-4.64e-02
5	34	11	0.37	-1.95	-0.81	-0.77	-1.16	0.26	-0.11	-6.20e-02	0.20	0.13
5	34	12	-0.12	-4.21	-3.98	-0.35	-0.93	0.34	-2.30e-02	0.29	2.80e-02	0.13
5	34	21	-0.22	-0.44	-0.40	-0.27	8.82e-02	0.12	-0.17	3.49e-02	-8.33e-02	-0.14
5	34	22	0.92	-0.87	0.66	-0.60	-0.64	0.68	2.56e-02	7.14e-02	0.63	0.17
5	34	29	-0.32	-0.48	-0.48	-0.32	-7.61e-03	4.32e-02	-0.22	1.74e-02	-0.20	-7.88e-02
5	34	30	1.10	-0.63	1.07	-0.59	-0.25	1.05	0.20	0.21	1.04	8.76e-02
5	34	37	-0.37	-0.50	-0.50	-0.37	5.74e-03	1.34e-02	-0.23	1.34e-02	-0.23	4.16e-06
5	34	38	1.16	-0.62	1.16	-0.62	5.74e-03	1.17	0.26	0.26	1.17	1.62e-04
5	34	45	-0.30	-0.47	-0.47	-0.31	1.55e-02	4.29e-02	-0.22	1.71e-02	-0.20	7.89e-02
5	34	46	1.11	-0.61	1.08	-0.58	0.25	1.05	0.20	0.21	1.04	-8.76e-02
5	34	53	-0.20	-0.43	-0.39	-0.24	-8.86e-02	0.12	-0.17	3.41e-02	-8.35e-02	0.14
5	34	54	0.94	-0.84	0.67	-0.57	0.64	0.68	2.47e-02	7.04e-02	0.63	-0.17
5	34	61	0.23	-0.43	0.13	-0.33	-0.23	7.52e-02	-3.55e-02	2.67e-02	1.29e-02	5.49e-02
5	34	62	0.37	-1.93	-0.81	-0.75	1.15	0.26	-0.11	-6.23e-02	0.20	-0.13
5	34	69	1.57	-0.17	1.52	-0.11	0.30	-3.99e-02	-0.34	-0.33	-4.73e-02	4.64e-02
5	34	70	-0.13	-4.20	-3.98	-0.35	0.92	0.34	-2.25e-02	0.29	2.83e-02	-0.13
5	35	9	110.69	18.18	18.84	110.03	7.79	-1.29	-6.68	-6.65	-1.32	0.38
5	35	10	36.33	-18.70	18.88	-1.24	-25.61	14.22	2.75	14.14	2.83	-0.97
5	35	11	110.59	17.84	18.52	109.91	-7.90	-1.32	-6.70	-6.68	-1.35	-0.36
5	35	12	35.52	-18.84	17.88	-1.20	25.45	14.37	2.78	14.28	2.86	0.99
5	35	21	109.19	18.92	18.95	109.16	1.72	-5.18e-02	-0.33	-0.32	-5.66e-02	3.57e-02
5	35	22	109.11	19.07	19.10	109.07	-1.78	-0.11	-0.36	-0.35	-0.11	-2.12e-02

5	35	29	107.04	19.05	19.05	107.04	-0.14	3.70e-03	-5.53e-02	-4.80e-02	-3.69e-03	-1.95e-02
5	35	30	106.94	19.42	19.42	106.94	9.75e-02	-3.86e-02	-9.53e-02	-7.45e-02	-5.94e-02	2.73e-02
5	35	37	106.87	19.08	19.08	106.87	-5.74e-03	-1.15e-02	-9.06e-02	-9.06e-02	-1.15e-02	8.92e-06
5	35	38	106.78	19.53	19.53	106.78	-5.74e-03	-7.14e-02	-0.12	-0.12	-7.14e-02	-1.55e-04
5	35	45	107.02	19.04	19.04	107.02	0.13	3.84e-03	-5.50e-02	-4.76e-02	-3.56e-03	1.95e-02
5	35	46	106.93	19.41	19.41	106.92	-0.11	-3.84e-02	-9.50e-02	-7.42e-02	-5.93e-02	-2.73e-02
5	35	53	109.17	18.91	18.94	109.13	-1.72	-5.16e-02	-0.33	-0.32	-5.63e-02	-3.57e-02
5	35	54	109.08	19.05	19.09	109.04	1.78	-0.11	-0.36	-0.35	-0.11	2.12e-02
5	35	61	110.68	18.17	18.83	110.02	-7.78	-1.29	-6.68	-6.65	-1.32	-0.38
5	35	62	110.57	17.83	18.51	109.89	7.91	-1.32	-6.70	-6.68	-1.35	0.36
5	35	69	36.34	-18.71	18.88	-1.24	25.62	14.22	2.75	14.14	2.83	0.97
5	35	70	35.51	-18.83	17.88	-1.20	-25.44	14.36	2.78	14.28	2.86	-0.99
5	36	9	8.63e-03	-1.16	-1.58e-02	-1.14	0.17	0.11	-1.47e-02	7.50e-02	2.24e-02	-5.77e-02
5	36	10	1.39	-0.12	1.37	-0.11	-0.13	-6.39e-02	-0.44	-0.44	-6.80e-02	-3.94e-02
5	36	11	-0.11	-2.40	-0.95	-1.56	-1.10	0.27	-7.37e-02	-1.37e-02	0.21	0.13
5	36	12	-2.85e-02	-4.42	-4.11	-0.34	-1.12	0.25	-5.20e-02	0.19	7.38e-03	0.12
5	36	21	-0.52	-1.06	-0.53	-1.05	7.40e-02	0.13	-0.17	3.72e-02	-8.29e-02	-0.14
5	36	22	0.71	-1.58	0.52	-1.39	-0.63	0.68	2.79e-02	7.40e-02	0.63	0.17
5	36	29	-0.61	-1.09	-0.61	-1.09	-7.50e-03	4.34e-02	-0.22	1.78e-02	-0.20	-7.87e-02
5	36	30	0.95	-1.39	0.93	-1.37	-0.25	1.05	0.20	0.21	1.04	8.74e-02
5	36	37	-0.64	-1.14	-0.64	-1.14	5.75e-03	1.40e-02	-0.23	1.40e-02	-0.23	3.51e-06
5	36	38	1.02	-1.39	1.02	-1.39	5.75e-03	1.17	0.26	0.26	1.17	1.62e-04
5	36	45	-0.61	-1.08	-0.61	-1.08	1.54e-02	4.31e-02	-0.22	1.75e-02	-0.20	7.87e-02
5	36	46	0.96	-1.38	0.94	-1.35	0.26	1.05	0.20	0.21	1.04	-8.74e-02
5	36	53	-0.51	-1.04	-0.52	-1.02	-7.44e-02	0.12	-0.17	3.64e-02	-8.31e-02	0.14
5	36	54	0.72	-1.55	0.54	-1.36	0.63	0.68	2.70e-02	7.29e-02	0.63	-0.17
5	36	61	2.23e-02	-1.15	-4.71e-03	-1.12	-0.18	0.11	-1.48e-02	7.47e-02	2.23e-02	5.76e-02
5	36	62	-0.11	-2.38	-0.94	-1.55	1.09	0.27	-7.40e-02	-1.40e-02	0.21	-0.13
5	36	69	1.39	-0.12	1.38	-0.11	0.12	-6.36e-02	-0.44	-0.43	-6.78e-02	3.94e-02
5	36	70	-3.36e-02	-4.41	-4.11	-0.34	1.11	0.25	-5.14e-02	0.19	7.72e-03	-0.12
5	37	9	111.49	18.31	18.98	110.83	7.85	-1.30	-6.72	-6.70	-1.33	0.38
5	37	10	36.59	-18.82	19.02	-1.25	-25.79	14.33	2.77	14.24	2.85	-0.98
5	37	11	111.39	17.97	18.66	110.70	-7.95	-1.33	-6.75	-6.73	-1.36	-0.36
5	37	12	35.78	-18.98	18.01	-1.21	25.64	14.47	2.80	14.38	2.88	1.00
5	37	21	109.98	19.05	19.09	109.95	1.73	-5.22e-02	-0.33	-0.32	-5.69e-02	3.59e-02
5	37	22	109.90	19.21	19.24	109.86	-1.79	-0.11	-0.36	-0.36	-0.11	-2.14e-02
5	37	29	107.81	19.18	19.18	107.81	-0.14	3.75e-03	-5.57e-02	-4.83e-02	-3.70e-03	-1.97e-02
5	37	30	107.72	19.56	19.56	107.72	9.95e-02	-3.89e-02	-9.59e-02	-7.50e-02	-5.98e-02	2.75e-02
5	37	37	107.64	19.22	19.22	107.64	-5.75e-03	-1.16e-02	-9.12e-02	-9.12e-02	-1.16e-02	-3.51e-06
5	37	38	107.55	19.67	19.67	107.55	-5.75e-03	-7.19e-02	-0.12	-0.12	-7.19e-02	-1.62e-02
5	37	45	107.79	19.18	19.18	107.79	0.13	3.87e-03	-5.54e-02	-4.80e-02	-3.58e-03	1.97e-04
5	37	46	107.70	19.55	19.55	107.70	-0.11	-3.87e-02	-9.57e-02	-7.47e-02	-5.97e-02	-2.75e-02
5	37	53	109.95	19.05	19.08	109.92	-1.73	-5.19e-02	-0.33	-0.32	-5.67e-02	-3.60e-02
5	37	54	109.87	19.19	19.23	109.83	1.79	-0.11	-0.36	-0.36	-0.11	2.13e-02
5	37	61	111.48	18.30	18.97	110.81	-7.84	-1.30	-6.72	-6.70	-1.33	-0.38
5	37	62	111.37	17.96	18.65	110.69	7.96	-1.33	-6.75	-6.73	-1.36	0.36
5	37	69	36.60	-18.84	19.02	-1.25	25.80	14.32	2.77	14.24	2.85	0.98
5	37	70	35.77	-18.97	18.01	-1.21	-25.63	14.47	2.80	14.38	2.88	-1.00
5	38	9	0.21	-0.44	0.12	-0.34	0.23	7.55e-02	-3.53e-02	2.71e-02	1.31e-02	-5.50e-02
5	38	10	1.57	-0.17	1.51	-0.11	-0.31	-4.02e-02	-0.34	-0.33	-4.76e-02	-4.64e-02
5	38	11	0.37	-1.95	-0.81	-0.77	-1.16	0.26	-0.11	-6.20e-02	0.20	0.13
5	38	12	-0.12	-4.21	-3.98	-0.35	-0.93	0.34	-2.30e-02	0.29	2.80e-02	0.13
5	38	21	-0.22	-0.44	-0.40	-0.27	8.81e-02	0.12	-0.17	3.49e-02	-8.33e-02	-0.14
5	38	22	0.92	-0.87	0.66	-0.60	-0.64	0.68	2.56e-02	7.14e-02	0.63	0.17
5	38	29	-0.32	-0.48	-0.48	-0.32	-7.61e-03	4.32e-02	-0.22	1.74e-02	-0.20	-7.88e-02
5	38	30	1.10	-0.63	1.07	-0.59	-0.25	1.05	0.20	0.21	1.04	8.76e-02
5	38	37	-0.37	-0.50	-0.50	-0.37	5.74e-03	1.34e-02	-0.23	1.34e-02	-0.23	-8.92e-06
5	38	38	1.16	-0.62	1.16	-0.62	5.74e-03	1.17	0.26	0.26	1.17	1.55e-04
5	38	45	-0.30	-0.47	-0.47	-0.31	1.55e-02	4.29e-02	-0.22	1.71e-02	-0.20	7.89e-02
5	38	46	1.11	-0.61	1.08	-0.58	0.25	1.05	0.20	0.21	1.04	-8.76e-02
5	38	53	-0.20	-0.43	-0.39	-0.24	-8.86e-02	0.12	-0.17	3.41e-02	-8.35e-02	0.14
5	38	54	0.94	-0.84	0.67	-0.57	0.64	0.68	2.47e-02	7.04e-02	0.63	-0.17
5	38	61	0.23	-0.43	0.13	-0.33	-0.23	7.52e-02	-3.55e-02	2.67e-02	1.29e-02	5.49e-02
5	38	62	0.37	-1.93	-0.81	-0.75	1.15	0.26	-0.11	-6.23e-02	0.20	-0.13
5	38	69	1.57	-0.17	1.52	-0.11	0.30	-3.99e-02	-0.34	-0.33	-4.73e-02	4.64e-02
5	38	70	-0.13	-4.20	-3.98	-0.35	0.92	0.34	-2.25e-02	0.29	2.83e-02	-0.13
5	39	9	0.65	-0.31	-5.17e-03	0.34	-0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	3.47e-03
5	39	10	0.29	-0.98	-0.46	-0.23	-0.63	4.16e-02	-7.27e-04	4.06e-02	2.73e-04	-6.42e-03
5	39	11	0.46	-0.74	-7.71e-02	-0.20	-0.59	2.27e-02	-1.44e-03	-2.11e-04	2.14e-02	-5.30e-03
5	39	12	0.81	-0.43	0.21	0.17	-0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	4.35e-03
5	39	21	0.50	-9.56e-02	0.12	0.29	-0.28	-7.04e-04	-3.25e-03	-3.23e-03	-7.25e-04	-2.28e-04
5	39	22	0.33	-0.48	-4.73e-02	-9.93e-02	-0.40	-1.68e-03	-2.57e-03	-2.50e-03	-1.74e-03	2.30e-04
5	39	29	0.38	8.74e-02	0.19	0.28	-0.14	-1.76e-03	-1.91e-03	-1.80e-03	-1.87e-03	-6.35e-05
5	39	30	0.14	-0.26	-3.64e-02	-9.19e-02	-0.20	-4.49e-04	-2.68e-03	-2.67e-03	-4.55e-04	1.17e-04
5	39	37	0.28	0.22	0.22	0.28	6.42e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	-8.93e-06
5	39	38	-3.34e-02	-8.76e-02	-3.34e-02	-8.76e-02	6.42e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	1.38e-05
5	39	45	0.39	8.76e-02	0.19	0.28	0.14	-1.80e-03	-1.93e-03	-1.84e-03	-1.88e-03	5.98e-05

5	39	46	0.14	-0.26	-3.56e-02	-9.00e-02	0.20	-4.64e-04	-2.73e-03	-2.72e-03	-4.70e-04	-1.16e-04
5	39	53	0.50	-9.40e-02	0.12	0.29	0.28	-7.30e-04	-3.34e-03	-3.32e-03	-7.50e-04	2.27e-04
5	39	54	0.33	-0.47	-4.59e-02	-9.61e-02	0.40	-1.72e-03	-2.69e-03	-2.63e-03	-1.78e-03	-2.30e-04
5	39	61	0.65	-0.31	-4.07e-03	0.35	0.44	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.47e-03
5	39	62	0.46	-0.73	-7.65e-02	-0.20	0.59	2.27e-02	-1.48e-03	-2.54e-04	2.14e-02	5.30e-03
5	39	69	0.29	-0.98	-0.46	-0.23	0.62	4.17e-02	-6.91e-04	4.07e-02	3.07e-04	6.43e-03
5	39	70	0.81	-0.42	0.21	0.17	0.62	2.61e-02	1.23e-02	2.46e-02	1.38e-02	-4.35e-03
5	40	9	0.66	-0.32	2.20e-03	0.34	-0.46	-1.79e-02	-2.58e-02	-1.99e-02	-2.38e-02	3.40e-03
5	40	10	0.31	-0.98	-0.44	-0.23	-0.64	4.02e-02	-1.05e-03	3.91e-02	-1.33e-05	-6.46e-03
5	40	11	0.48	-0.75	-6.67e-02	-0.20	-0.61	2.27e-02	-1.57e-03	-3.32e-04	2.14e-02	-5.34e-03
5	40	12	0.84	-0.43	0.23	0.18	-0.63	2.45e-02	1.18e-02	2.28e-02	1.35e-02	4.35e-03
5	40	21	0.50	-0.11	0.11	0.28	-0.30	-6.10e-04	-2.82e-03	-2.80e-03	-6.34e-04	-2.28e-04
5	40	22	0.33	-0.50	-5.07e-02	-0.11	-0.41	-1.53e-03	-2.16e-03	-2.05e-03	-1.64e-03	2.42e-04
5	40	29	0.38	7.04e-02	0.18	0.26	-0.15	-1.69e-03	-1.89e-03	-1.73e-03	-1.85e-03	-7.58e-05
5	40	30	0.13	-0.28	-4.84e-02	-0.10	-0.21	-4.23e-04	-2.62e-03	-2.61e-03	-4.28e-04	1.07e-04
5	40	37	0.26	0.21	0.21	0.26	-6.37e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	-8.05e-06
5	40	38	-5.06e-02	-0.11	-5.06e-02	-0.11	-6.37e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	-2.14e-05
5	40	45	0.38	7.00e-02	0.18	0.26	0.15	-1.67e-03	-1.86e-03	-1.70e-03	-1.84e-03	6.53e-05
5	40	46	0.13	-0.28	-4.97e-02	-0.11	0.20	-4.13e-04	-2.59e-03	-2.59e-03	-4.19e-04	-1.07e-04
5	40	53	0.50	-0.12	0.11	0.27	0.30	-5.81e-04	-2.74e-03	-2.72e-03	-6.03e-04	2.21e-04
5	40	54	0.33	-0.50	-5.27e-02	-0.12	0.41	-1.48e-03	-2.08e-03	-1.95e-03	-1.61e-03	-2.46e-04
5	40	61	0.66	-0.32	8.38e-04	0.34	0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	-3.38e-03
5	40	62	0.48	-0.75	-6.78e-02	-0.20	0.61	2.27e-02	-1.54e-03	-3.00e-04	2.14e-02	5.35e-03
5	40	69	0.31	-0.99	-0.44	-0.23	0.64	4.00e-02	-1.09e-03	3.90e-02	-4.16e-05	6.47e-03
5	40	70	0.84	-0.43	0.23	0.18	0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	-4.35e-03
5	41	9	0.65	-0.31	-5.30e-03	0.34	-0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	3.46e-03
5	41	10	0.29	-0.98	-0.46	-0.23	-0.63	4.16e-02	-7.26e-04	4.06e-02	2.76e-04	-6.43e-03
5	41	11	0.46	-0.74	-7.73e-02	-0.20	-0.59	2.27e-02	-1.45e-03	-2.17e-04	2.14e-02	-5.31e-03
5	41	12	0.81	-0.43	0.21	0.17	-0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	4.35e-03
5	41	21	0.50	-9.57e-02	0.12	0.29	-0.28	-7.03e-04	-3.25e-03	-3.24e-03	-7.22e-04	-2.24e-04
5	41	22	0.33	-0.48	-4.75e-02	-9.93e-02	-0.40	-1.68e-03	-2.58e-03	-2.52e-03	-1.75e-03	2.32e-04
5	41	29	0.38	8.73e-02	0.19	0.28	-0.14	-1.77e-03	-1.90e-03	-1.81e-03	-1.87e-03	-5.64e-05
5	41	30	0.14	-0.27	-3.66e-02	-9.19e-02	-0.20	-4.51e-04	-2.69e-03	-2.69e-03	-4.58e-04	1.17e-04
5	41	37	0.28	0.22	0.22	0.28	6.37e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	8.05e-06
5	41	38	-3.34e-02	-8.76e-02	-3.34e-02	-8.76e-02	6.37e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	2.14e-05
5	41	45	0.39	8.77e-02	0.19	0.28	0.14	-1.79e-03	-1.93e-03	-1.84e-03	-1.89e-03	6.69e-05
5	41	46	0.14	-0.26	-3.54e-02	-9.00e-02	0.20	-4.61e-04	-2.72e-03	-2.71e-03	-4.67e-04	-1.17e-04
5	41	53	0.50	-9.39e-02	0.12	0.29	0.28	-7.32e-04	-3.34e-03	-3.32e-03	-7.52e-04	2.31e-04
5	41	54	0.33	-0.47	-4.56e-02	-9.61e-02	0.40	-1.72e-03	-2.67e-03	-2.62e-03	-1.78e-03	-2.28e-04
5	41	61	0.65	-0.31	-3.94e-03	0.35	0.44	-1.77e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.48e-03
5	41	62	0.46	-0.73	-7.63e-02	-0.20	0.59	2.27e-02	-1.47e-03	-2.49e-04	2.14e-02	5.30e-03
5	41	69	0.29	-0.98	-0.46	-0.23	0.62	4.17e-02	-6.92e-04	4.07e-02	3.04e-04	6.42e-03
5	41	70	0.81	-0.42	0.21	0.17	0.62	2.61e-02	1.23e-02	2.45e-02	1.38e-02	-4.35e-03
5	42	9	0.66	-0.32	2.07e-03	0.34	-0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.39e-03
5	42	10	0.31	-0.98	-0.44	-0.23	-0.64	4.02e-02	-1.05e-03	3.91e-02	-1.03e-05	-6.47e-03
5	42	11	0.48	-0.75	-6.69e-02	-0.20	-0.61	2.27e-02	-1.58e-03	-3.37e-04	2.14e-02	-5.34e-03
5	42	12	0.84	-0.43	0.23	0.18	-0.63	2.46e-02	1.18e-02	2.29e-02	1.35e-02	4.35e-03
5	42	21	0.50	-0.11	0.11	0.28	-0.30	-6.08e-04	-2.83e-03	-2.81e-03	-6.31e-04	-2.24e-04
5	42	22	0.33	-0.50	-5.10e-02	-0.11	-0.41	-1.53e-03	-2.18e-03	-2.07e-03	-1.64e-03	2.44e-04
5	42	29	0.38	7.03e-02	0.18	0.26	-0.15	-1.70e-03	-1.88e-03	-1.73e-03	-1.85e-03	-6.87e-05
5	42	30	0.13	-0.28	-4.87e-02	-0.10	-0.21	-4.26e-04	-2.63e-03	-2.63e-03	-4.31e-04	1.07e-04
5	42	37	0.26	0.21	0.21	0.26	-6.42e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	8.93e-06
5	42	38	-5.06e-02	-0.11	-5.06e-02	-0.11	-6.42e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	-1.38e-05
5	42	45	0.38	7.01e-02	0.18	0.26	0.15	-1.66e-03	-1.87e-03	-1.69e-03	-1.84e-03	7.23e-05
5	42	46	0.13	-0.28	-4.94e-02	-0.11	0.20	-4.10e-04	-2.58e-03	-2.58e-03	-4.16e-04	-1.08e-04
5	42	53	0.50	-0.12	0.11	0.27	0.30	-5.82e-04	-2.74e-03	-2.71e-03	-6.06e-04	2.25e-04
5	42	54	0.33	-0.50	-5.24e-02	-0.12	0.41	-1.48e-03	-2.07e-03	-1.94e-03	-1.60e-03	-2.44e-04
5	42	61	0.66	-0.32	9.66e-04	0.34	0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	-3.40e-03
5	42	62	0.48	-0.75	-6.76e-02	-0.20	0.61	2.27e-02	-1.54e-03	-2.94e-04	2.14e-02	5.34e-03
5	42	69	0.31	-0.98	-0.44	-0.23	0.64	4.00e-02	-1.09e-03	3.90e-02	-4.45e-05	6.46e-03
5	42	70	0.84	-0.43	0.23	0.18	0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	-4.35e-03
5	43	9	0.65	-0.31	-3.94e-03	0.35	-0.44	-1.77e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.48e-03
5	43	10	0.29	-0.98	-0.46	-0.23	-0.62	4.17e-02	-6.92e-04	4.07e-02	3.04e-04	-6.42e-03
5	43	11	0.46	-0.73	-7.63e-02	-0.20	-0.59	2.27e-02	-1.48e-03	-2.51e-04	2.14e-02	-5.30e-03
5	43	12	0.81	-0.42	0.21	0.17	-0.62	2.61e-02	1.23e-02	2.45e-02	1.38e-02	4.35e-03
5	43	21	0.50	-9.39e-02	0.12	0.29	-0.28	-7.31e-04	-3.34e-03	-3.32e-03	-7.52e-04	-2.32e-04
5	43	22	0.33	-0.47	-4.56e-02	-9.61e-02	-0.40	-1.72e-03	-2.67e-03	-2.62e-03	-1.78e-03	-2.27e-04
5	43	29	0.39	8.77e-02	0.19	0.28	-0.14	-1.79e-03	-1.93e-03	-1.84e-03	-1.89e-03	-6.65e-05
5	43	30	0.14	-0.26	-3.54e-02	-9.00e-02	-0.20	-4.61e-04	-2.72e-03	-2.71e-03	-4.67e-04	1.17e-04
5	43	37	0.28	0.22	0.22	0.28	-6.37e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	-8.19e-06
5	43	38	-3.34e-02	-8.76e-02	-3.34e-02	-8.76e-02	-6.37e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	-2.14e-05
5	43	45	0.38	8.73e-02	0.19	0.28	0.14	-1.77e-03	-1.90e-03	-1.81e-03	-1.87e-03	5.67e-05
5	43	46	0.14	-0.27	-3.66e-02	-9.19e-02	0.20	-4.52e-04	-2.69e-03	-2.69e-03	-4.58e-04	-1.16e-04
5	43	53	0.50	-9.57e-02	0.12	0.29	0.28	-7.02e-04	-3.25e-03	-3.23e-03	-7.22e-04	2.23e-04
5	43	54	0.33	-0.48	-4.75e-02	-9.93e-02	0.40	-1.68e-03	-2.58e-03	-2.52e-03	-1.75e-03	-2.32e-04
5	43	61	0.65	-0.31	-5.31e-03	0.34	0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.46e-03
5	43	62	0.46	-0.74	-7.73e-02	-0.20	0.59	2.27e-02	-1.45e-03	-2.15e-04	2.14e-02	5.31e-03

5	43	69	0.29	-0.98	-0.46	-0.23	0.63	4.16e-02	-7.26e-04	4.06e-02	2.76e-04	6.43e-03
5	43	70	0.81	-0.43	0.21	0.17	0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	-4.35e-03
5	44	9	0.66	-0.32	9.60e-04	0.34	-0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	3.40e-03
5	44	10	0.31	-0.98	-0.44	-0.23	-0.64	4.00e-02	-1.09e-03	3.90e-02	-4.44e-05	-6.46e-03
5	44	11	0.48	-0.75	-6.76e-02	-0.20	-0.61	2.27e-02	-1.53e-03	-2.92e-04	2.14e-02	-5.34e-03
5	44	12	0.84	-0.43	0.23	0.18	-0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	4.35e-03
5	44	21	0.50	-0.12	0.11	0.27	-0.30	-5.82e-04	-2.74e-03	-2.71e-03	-6.06e-04	-2.24e-04
5	44	22	0.33	-0.50	-5.24e-02	-0.12	-0.41	-1.48e-03	-2.07e-03	-1.94e-03	-1.60e-03	2.45e-04
5	44	29	0.38	7.01e-02	0.18	0.26	-0.15	-1.66e-03	-1.87e-03	-1.69e-03	-1.84e-03	-7.27e-05
5	44	30	0.13	-0.28	-4.94e-02	-0.11	-0.20	-4.11e-04	-2.58e-03	-2.58e-03	-4.16e-04	1.08e-04
5	44	37	0.26	0.21	0.21	0.26	6.42e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	-8.79e-06
5	44	38	-5.06e-02	-0.11	-5.06e-02	-0.11	6.42e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	1.39e-05
5	44	45	0.38	7.03e-02	0.18	0.26	0.15	-1.70e-03	-1.88e-03	-1.73e-03	-1.85e-03	6.85e-05
5	44	46	0.13	-0.28	-4.87e-02	-0.10	0.21	-4.26e-04	-2.63e-03	-2.63e-03	-4.31e-04	-1.07e-04
5	44	53	0.50	-0.11	0.11	0.28	0.30	-6.09e-04	-2.83e-03	-2.81e-03	-6.31e-04	2.24e-04
5	44	54	0.33	-0.50	-5.10e-02	-0.11	0.41	-1.53e-03	-2.18e-03	-2.07e-03	-1.64e-03	-2.44e-04
5	44	61	0.66	-0.32	2.08e-03	0.34	0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.39e-03
5	44	62	0.48	-0.75	-6.69e-02	-0.20	0.61	2.27e-02	-1.58e-03	-3.39e-04	2.14e-02	5.34e-03
5	44	69	0.31	-0.98	-0.44	-0.23	0.64	4.02e-02	-1.05e-03	3.91e-02	-1.01e-05	6.47e-03
5	44	70	0.84	-0.43	0.23	0.18	0.63	2.46e-02	1.18e-02	2.29e-02	1.35e-02	-4.35e-03
5	45	9	0.65	-0.31	-4.06e-03	0.35	-0.44	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.47e-03
5	45	10	0.29	-0.98	-0.46	-0.23	-0.62	4.17e-02	-6.91e-04	4.07e-02	3.07e-04	-6.43e-03
5	45	11	0.46	-0.73	-7.65e-02	-0.20	-0.59	2.27e-02	-1.48e-03	-2.57e-04	2.14e-02	-5.30e-03
5	45	12	0.81	-0.42	0.21	0.17	-0.62	2.61e-02	1.23e-02	2.46e-02	1.38e-02	4.35e-03
5	45	21	0.50	-9.40e-02	0.12	0.29	-0.28	-7.30e-04	-3.34e-03	-3.32e-03	-7.50e-04	-2.28e-04
5	45	22	0.33	-0.47	-4.59e-02	-9.61e-02	-0.40	-1.72e-03	-2.69e-03	-2.63e-03	-1.78e-03	2.29e-04
5	45	29	0.39	8.76e-02	0.19	0.28	-0.14	-1.80e-03	-1.93e-03	-1.84e-03	-1.88e-03	-5.95e-05
5	45	30	0.14	-0.26	-3.56e-02	-9.01e-02	-0.20	-4.64e-04	-2.73e-03	-2.72e-03	-4.70e-04	1.16e-04
5	45	37	0.28	0.22	0.22	0.28	-6.42e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	8.79e-06
5	45	38	-3.34e-02	-8.76e-02	-3.34e-02	-8.76e-02	-6.42e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	-1.39e-05
5	45	45	0.38	8.74e-02	0.19	0.28	0.14	-1.77e-03	-1.91e-03	-1.80e-03	-1.87e-03	6.37e-05
5	45	46	0.14	-0.26	-3.64e-02	-9.19e-02	0.20	-4.49e-04	-2.68e-03	-2.67e-03	-4.55e-04	-1.17e-04
5	45	53	0.50	-9.56e-02	0.12	0.29	0.28	-7.04e-04	-3.25e-03	-3.23e-03	-7.24e-04	2.27e-04
5	45	54	0.33	-0.48	-4.73e-02	-9.94e-02	0.40	-1.68e-03	-2.57e-03	-2.50e-03	-1.74e-03	-2.30e-04
5	45	61	0.65	-0.31	-5.19e-03	0.34	0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.47e-03
5	45	62	0.46	-0.74	-7.72e-02	-0.20	0.59	2.27e-02	-1.44e-03	-2.10e-04	2.14e-02	5.30e-03
5	45	69	0.29	-0.98	-0.46	-0.23	0.63	4.16e-02	-7.27e-04	4.06e-02	2.73e-04	6.42e-03
5	45	70	0.81	-0.43	0.21	0.17	0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	-4.35e-03
5	46	9	0.66	-0.32	8.31e-04	0.34	-0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	3.38e-03
5	46	10	0.31	-0.99	-0.44	-0.23	-0.64	4.00e-02	-1.09e-03	3.90e-02	-4.14e-05	-6.47e-03
5	46	11	0.48	-0.75	-6.78e-02	-0.20	-0.61	2.27e-02	-1.54e-03	-2.98e-04	2.14e-02	-5.35e-03
5	46	12	0.84	-0.43	0.23	0.18	-0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	4.35e-03
5	46	21	0.50	-0.12	0.11	0.27	-0.30	-5.81e-04	-2.74e-03	-2.72e-03	-6.04e-04	-2.20e-04
5	46	22	0.33	-0.50	-5.27e-02	-0.12	-0.41	-1.48e-03	-2.08e-03	-1.96e-03	-1.61e-03	2.47e-04
5	46	29	0.38	7.00e-02	0.18	0.26	-0.15	-1.67e-03	-1.86e-03	-1.70e-03	-1.84e-03	-6.57e-05
5	46	30	0.13	-0.28	-4.97e-02	-0.11	-0.20	-4.13e-04	-2.59e-03	-2.59e-03	-4.19e-04	1.07e-04
5	46	37	0.26	0.21	0.21	0.26	6.37e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	8.19e-06
5	46	38	-5.06e-02	-0.11	-5.06e-02	-0.11	6.37e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	2.14e-05
5	46	45	0.38	7.04e-02	0.18	0.26	0.15	-1.69e-03	-1.89e-03	-1.73e-03	-1.85e-03	7.55e-05
5	46	46	0.13	-0.28	-4.84e-02	-0.10	0.21	-4.23e-04	-2.62e-03	-2.61e-03	-4.28e-04	-1.08e-04
5	46	53	0.50	-0.11	0.11	0.28	0.30	-6.10e-04	-2.83e-03	-2.80e-03	-6.34e-04	2.28e-04
5	46	54	0.33	-0.50	-5.07e-02	-0.11	0.41	-1.53e-03	-2.16e-03	-2.05e-03	-1.64e-03	-2.42e-04
5	46	61	0.66	-0.32	2.21e-03	0.34	0.46	-1.79e-02	-2.58e-02	-1.99e-02	-2.38e-02	-3.40e-03
5	46	62	0.48	-0.75	-6.67e-02	-0.20	0.61	2.27e-02	-1.57e-03	-3.33e-04	2.14e-02	5.34e-03
5	46	69	0.31	-0.98	-0.44	-0.23	0.64	4.02e-02	-1.05e-03	3.91e-02	-1.31e-05	6.46e-03
5	46	70	0.84	-0.43	0.23	0.18	0.63	2.46e-02	1.18e-02	2.28e-02	1.35e-02	-4.35e-03
5	47	9	0.65	-0.31	-5.17e-03	0.34	-0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	3.46e-03
5	47	10	0.29	-0.98	-0.46	-0.23	-0.63	4.16e-02	-7.29e-04	4.06e-02	2.73e-04	-6.43e-03
5	47	11	0.46	-0.74	-7.72e-02	-0.20	-0.59	2.27e-02	-1.44e-03	-2.11e-04	2.14e-02	-5.31e-03
5	47	12	0.81	-0.43	0.21	0.17	-0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	4.35e-03
5	47	21	0.50	-9.56e-02	0.12	0.29	-0.28	-7.05e-04	-3.25e-03	-3.23e-03	-7.25e-04	-2.24e-04
5	47	22	0.33	-0.48	-4.73e-02	-9.93e-02	-0.40	-1.68e-03	-2.57e-03	-2.50e-03	-1.74e-03	2.32e-04
5	47	29	0.38	8.74e-02	0.19	0.28	-0.14	-1.77e-03	-1.90e-03	-1.80e-03	-1.87e-03	-5.69e-05
5	47	30	0.14	-0.26	-3.64e-02	-9.19e-02	-0.20	-4.49e-04	-2.68e-03	-2.68e-03	-4.55e-04	1.17e-04
5	47	37	0.28	0.22	0.22	0.28	6.41e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	7.24e-06
5	47	38	-3.34e-02	-8.76e-02	-3.34e-02	-8.76e-02	6.41e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	2.16e-05
5	47	45	0.39	8.76e-02	0.19	0.28	0.14	-1.79e-03	-1.93e-03	-1.84e-03	-1.88e-03	6.64e-05
5	47	46	0.14	-0.26	-3.56e-02	-9.00e-02	0.20	-4.64e-04	-2.73e-03	-2.72e-03	-4.70e-04	-1.17e-04
5	47	53	0.50	-9.40e-02	0.12	0.29	0.28	-7.30e-04	-3.34e-03	-3.32e-03	-7.50e-04	2.30e-04
5	47	54	0.33	-0.47	-4.58e-02	-9.61e-02	0.40	-1.72e-03	-2.69e-03	-2.63e-03	-1.78e-03	-2.28e-04
5	47	61	0.65	-0.31	-4.07e-03	0.35	0.44	-1.77e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.48e-03
5	47	62	0.46	-0.73	-7.65e-02	-0.20	0.59	2.27e-02	-1.48e-03	-2.54e-04	2.14e-02	5.30e-03
5	47	69	0.29	-0.98	-0.46	-0.23	0.62	4.17e-02	-6.88e-04	4.07e-02	3.07e-04	6.42e-03
5	47	70	0.81	-0.42	0.21	0.17	0.62	2.61e-02	1.23e-02	2.46e-02	1.38e-02	-4.35e-03
5	48	9	0.66	-0.32	2.20e-03	0.34	-0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.39e-03
5	48	10	0.31	-0.98	-0.44	-0.23	-0.64	4.02e-02	-1.05e-03	3.91e-02	-1.32e-05	-6.47e-03
5	48	11	0.48	-0.75	-6.68e-02	-0.20	-0.61	2.27e-02	-1.57e-03	-3.32e-04	2.14e-02	-5.34e-03

5	48	12	0.84	-0.43	0.23	0.18	-0.63	2.46e-02	1.18e-02	2.28e-02	1.35e-02	4.35e-03
5	48	21	0.50	-0.11	0.11	0.28	-0.30	-6.11e-04	-2.82e-03	-2.80e-03	-6.34e-04	-2.24e-04
5	48	22	0.33	-0.50	-5.07e-02	-0.11	-0.41	-1.52e-03	-2.17e-03	-2.05e-03	-1.64e-03	2.44e-04
5	48	29	0.38	7.04e-02	0.18	0.26	-0.15	-1.70e-03	-1.89e-03	-1.73e-03	-1.85e-03	-6.92e-05
5	48	30	0.13	-0.28	-4.84e-02	-0.10	-0.21	-4.23e-04	-2.62e-03	-2.62e-03	-4.28e-04	1.06e-04
5	48	37	0.26	0.21	0.21	0.26	-6.38e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	8.12e-06
5	48	38	-5.06e-02	-0.11	-5.06e-02	-0.11	-6.38e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	-1.36e-05
5	48	45	0.38	7.00e-02	0.18	0.26	0.15	-1.67e-03	-1.87e-03	-1.70e-03	-1.84e-03	7.19e-05
5	48	46	0.13	-0.28	-4.96e-02	-0.11	0.20	-4.13e-04	-2.59e-03	-2.59e-03	-4.18e-04	-1.08e-04
5	48	53	0.50	-0.12	0.11	0.27	0.30	-5.80e-04	-2.74e-03	-2.72e-03	-6.03e-04	2.25e-04
5	48	54	0.33	-0.50	-5.27e-02	-0.12	0.41	-1.48e-03	-2.08e-03	-1.95e-03	-1.61e-03	-2.44e-04
5	48	61	0.66	-0.32	8.37e-04	0.34	0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	-3.40e-03
5	48	62	0.48	-0.75	-6.78e-02	-0.20	0.61	2.27e-02	-1.54e-03	-2.99e-04	2.14e-02	5.34e-03
5	48	69	0.31	-0.99	-0.44	-0.23	0.64	4.00e-02	-1.08e-03	3.90e-02	-4.15e-05	6.46e-03
5	48	70	0.84	-0.43	0.23	0.18	0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	-4.35e-03
5	49	9	0.65	-0.31	-5.30e-03	0.34	-0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	3.47e-03
5	49	10	0.29	-0.98	-0.46	-0.23	-0.63	4.16e-02	-7.24e-04	4.06e-02	2.76e-04	-6.43e-03
5	49	11	0.46	-0.74	-7.73e-02	-0.20	-0.59	2.27e-02	-1.44e-03	-2.16e-04	2.14e-02	-5.30e-03
5	49	12	0.81	-0.43	0.21	0.17	-0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	4.35e-03
5	49	21	0.50	-9.57e-02	0.12	0.29	-0.28	-7.02e-04	-3.26e-03	-3.24e-03	-7.22e-04	-2.28e-04
5	49	22	0.33	-0.48	-4.75e-02	-9.93e-02	-0.40	-1.68e-03	-2.58e-03	-2.52e-03	-1.75e-03	2.30e-04
5	49	29	0.38	8.73e-02	0.19	0.28	-0.14	-1.77e-03	-1.91e-03	-1.81e-03	-1.87e-03	-6.30e-05
5	49	30	0.14	-0.27	-3.66e-02	-9.19e-02	-0.20	-4.51e-04	-2.69e-03	-2.69e-03	-4.57e-04	1.18e-04
5	49	37	0.28	0.22	0.22	0.28	6.38e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	-8.12e-06
5	49	38	-3.34e-02	-8.76e-02	-3.34e-02	-8.76e-02	6.38e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	1.36e-05
5	49	45	0.39	8.77e-02	0.19	0.28	0.14	-1.80e-03	-1.93e-03	-1.84e-03	-1.89e-03	6.03e-05
5	49	46	0.14	-0.26	-3.54e-02	-9.00e-02	0.20	-4.61e-04	-2.72e-03	-2.71e-03	-4.67e-04	-1.16e-04
5	49	53	0.50	-9.39e-02	0.12	0.29	0.28	-7.33e-04	-3.34e-03	-3.32e-03	-7.52e-04	2.27e-04
5	49	54	0.33	-0.47	-4.56e-02	-9.61e-02	0.40	-1.72e-03	-2.68e-03	-2.62e-03	-1.78e-03	-2.30e-04
5	49	61	0.65	-0.31	-3.94e-03	0.35	0.44	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.47e-03
5	49	62	0.46	-0.73	-7.63e-02	-0.20	0.59	2.27e-02	-1.48e-03	-2.49e-04	2.14e-02	5.30e-03
5	49	69	0.29	-0.98	-0.46	-0.23	0.62	4.17e-02	-6.94e-04	4.07e-02	3.04e-04	6.43e-03
5	49	70	0.81	-0.42	0.21	0.17	0.62	2.61e-02	1.23e-02	2.45e-02	1.38e-02	-4.35e-03
5	50	9	0.66	-0.32	2.07e-03	0.34	-0.46	-1.79e-02	-2.58e-02	-1.99e-02	-2.38e-02	3.40e-03
5	50	10	0.31	-0.98	-0.44	-0.23	-0.64	4.02e-02	-1.05e-03	3.91e-02	-1.03e-05	-6.46e-03
5	50	11	0.48	-0.75	-6.69e-02	-0.20	-0.61	2.27e-02	-1.58e-03	-3.37e-04	2.14e-02	-5.34e-03
5	50	12	0.84	-0.43	0.23	0.18	-0.63	2.46e-02	1.18e-02	2.29e-02	1.35e-02	4.35e-03
5	50	21	0.50	-0.11	0.11	0.28	-0.30	-6.08e-04	-2.83e-03	-2.81e-03	-6.31e-04	-2.28e-04
5	50	22	0.33	-0.50	-5.10e-02	-0.11	-0.41	-1.53e-03	-2.18e-03	-2.07e-03	-1.64e-03	2.42e-04
5	50	29	0.38	7.03e-02	0.18	0.26	-0.15	-1.70e-03	-1.89e-03	-1.73e-03	-1.85e-03	-7.53e-05
5	50	30	0.13	-0.28	-4.86e-02	-0.10	-0.21	-4.26e-04	-2.63e-03	-2.63e-03	-4.31e-04	1.07e-04
5	50	37	0.26	0.21	0.21	0.26	-6.41e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	-7.24e-06
5	50	38	-5.06e-02	-0.11	-5.06e-02	-0.11	-6.41e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	-2.16e-05
5	50	45	0.38	7.01e-02	0.18	0.26	0.15	-1.67e-03	-1.86e-03	-1.69e-03	-1.84e-03	6.57e-05
5	50	46	0.13	-0.28	-4.94e-02	-0.11	0.20	-4.11e-04	-2.58e-03	-2.58e-03	-4.16e-04	-1.07e-04
5	50	53	0.50	-0.12	0.11	0.27	0.30	-5.83e-04	-2.74e-03	-2.71e-03	-6.06e-04	2.21e-04
5	50	54	0.33	-0.50	-5.24e-02	-0.12	0.41	-1.47e-03	-2.07e-03	-1.94e-03	-1.60e-03	-2.46e-04
5	50	61	0.66	-0.32	9.67e-04	0.34	0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	-3.38e-03
5	50	62	0.48	-0.75	-6.76e-02	-0.20	0.61	2.27e-02	-1.54e-03	-2.94e-04	2.14e-02	5.35e-03
5	50	69	0.31	-0.98	-0.44	-0.23	0.64	4.00e-02	-1.09e-03	3.90e-02	-4.46e-05	6.47e-03
5	50	70	0.84	-0.43	0.23	0.18	0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	-4.35e-03
5	51	9	0.65	-0.31	-3.94e-03	0.35	-0.44	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.47e-03
5	51	10	0.29	-0.98	-0.46	-0.23	-0.62	4.17e-02	-6.94e-04	4.07e-02	3.04e-04	-6.43e-03
5	51	11	0.46	-0.73	-7.63e-02	-0.20	-0.59	2.27e-02	-1.48e-03	-2.51e-04	2.14e-02	-5.30e-03
5	51	12	0.81	-0.42	0.21	0.17	-0.62	2.61e-02	1.23e-02	2.45e-02	1.38e-02	4.35e-03
5	51	21	0.50	-9.39e-02	0.12	0.29	-0.28	-7.32e-04	-3.34e-03	-3.32e-03	-7.52e-04	-2.28e-04
5	51	22	0.33	-0.47	-4.56e-02	-9.61e-02	-0.40	-1.72e-03	-2.68e-03	-2.62e-03	-1.78e-03	2.29e-04
5	51	29	0.39	8.77e-02	0.19	0.28	-0.14	-1.80e-03	-1.93e-03	-1.84e-03	-1.89e-03	-5.99e-05
5	51	30	0.14	-0.26	-3.54e-02	-9.00e-02	-0.20	-4.61e-04	-2.72e-03	-2.71e-03	-4.67e-04	1.16e-04
5	51	37	0.28	0.22	0.22	0.28	-6.37e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	7.98e-06
5	51	38	-3.34e-02	-8.76e-02	-3.34e-02	-8.76e-02	-6.37e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	-1.36e-05
5	51	45	0.38	8.73e-02	0.19	0.28	0.14	-1.77e-03	-1.91e-03	-1.81e-03	-1.87e-03	6.33e-05
5	51	46	0.14	-0.27	-3.66e-02	-9.19e-02	0.20	-4.52e-04	-2.69e-03	-2.69e-03	-4.58e-04	-1.17e-04
5	51	53	0.50	-9.57e-02	0.12	0.29	0.28	-7.02e-04	-3.25e-03	-3.23e-03	-7.22e-04	2.27e-04
5	51	54	0.33	-0.48	-4.75e-02	-9.93e-02	0.40	-1.68e-03	-2.58e-03	-2.52e-03	-1.75e-03	-2.30e-04
5	51	61	0.65	-0.31	-5.31e-03	0.34	0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.47e-03
5	51	62	0.46	-0.74	-7.73e-02	-0.20	0.59	2.27e-02	-1.44e-03	-2.15e-04	2.14e-02	5.30e-03
5	51	69	0.29	-0.98	-0.46	-0.23	0.63	4.16e-02	-7.24e-04	4.06e-02	2.76e-04	6.43e-03
5	51	70	0.81	-0.43	0.21	0.17	0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	-4.35e-03
5	52	9	0.66	-0.32	9.60e-04	0.34	-0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	3.38e-03
5	52	10	0.31	-0.98	-0.44	-0.23	-0.64	4.00e-02	-1.09e-03	3.90e-02	-4.43e-05	-6.47e-03
5	52	11	0.48	-0.75	-6.76e-02	-0.20	-0.61	2.27e-02	-1.54e-03	-2.92e-04	2.14e-02	-5.35e-03
5	52	12	0.84	-0.43	0.23	0.18	-0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	4.35e-03
5	52	21	0.50	-0.12	0.11	0.27	-0.30	-5.83e-04	-2.74e-03	-2.71e-03	-6.06e-04	-2.20e-04
5	52	22	0.33	-0.50	-5.24e-02	-0.12	-0.41	-1.47e-03	-2.07e-03	-1.94e-03	-1.60e-03	2.47e-04
5	52	29	0.38	7.01e-02	0.18	0.26	-0.15	-1.67e-03	-1.87e-03	-1.69e-03	-1.84e-03	-6.61e-05
5	52	30	0.13	-0.28	-4.94e-02	-0.11	-0.20	-4.11e-04	-2.58e-03	-2.58e-03	-4.16e-04	1.07e-04

5	52	37	0.26	0.21	0.21	0.26	6.41e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	7.38e-06
5	52	38	-5.06e-02	-0.11	-5.06e-02	-0.11	6.41e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	2.17e-05
5	52	45	0.38	7.03e-02	0.18	0.26	0.15	-1.70e-03	-1.89e-03	-1.73e-03	-1.85e-03	7.50e-05
5	52	46	0.13	-0.28	-4.87e-02	-0.10	0.21	-4.25e-04	-2.63e-03	-2.62e-03	-4.31e-04	-1.08e-04
5	52	53	0.50	-0.11	0.11	0.28	0.30	-6.08e-04	-2.83e-03	-2.81e-03	-6.31e-04	2.28e-04
5	52	54	0.33	-0.50	-5.10e-02	-0.11	0.41	-1.53e-03	-2.18e-03	-2.07e-03	-1.64e-03	-2.42e-04
5	52	61	0.66	-0.32	2.08e-03	0.34	0.46	-1.79e-02	-2.58e-02	-1.99e-02	-2.38e-02	-3.40e-03
5	52	62	0.48	-0.75	-6.69e-02	-0.20	0.61	2.27e-02	-1.58e-03	-3.38e-04	2.14e-02	5.34e-03
5	52	69	0.31	-0.98	-0.44	-0.23	0.64	4.02e-02	-1.05e-03	3.91e-02	-1.01e-05	6.46e-03
5	52	70	0.84	-0.43	0.23	0.18	0.63	2.46e-02	1.18e-02	2.29e-02	1.35e-02	-4.35e-03
5	53	9	0.65	-0.31	-4.06e-03	0.35	-0.44	-1.77e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.48e-03
5	53	10	0.29	-0.98	-0.46	-0.23	-0.62	4.17e-02	-6.89e-04	4.07e-02	3.70e-04	-6.42e-03
5	53	11	0.46	-0.73	-7.65e-02	-0.20	-0.59	2.27e-02	-1.48e-03	-2.56e-04	2.14e-02	-5.30e-03
5	53	12	0.81	-0.42	0.21	0.17	-0.62	2.61e-02	1.23e-02	2.46e-02	1.38e-02	4.35e-03
5	53	21	0.50	-9.40e-02	0.12	0.29	-0.28	-7.29e-04	-3.34e-03	-3.32e-03	-7.50e-04	-2.31e-04
5	53	22	0.33	-0.47	-4.58e-02	-9.61e-02	-0.40	-1.72e-03	-2.69e-03	-2.63e-03	-1.78e-03	2.27e-04
5	53	29	0.39	8.76e-02	0.19	0.28	-0.14	-1.79e-03	-1.93e-03	-1.84e-03	-1.88e-03	-6.61e-05
5	53	30	0.14	-0.26	-3.56e-02	-9.01e-02	-0.20	-4.64e-04	-2.73e-03	-2.72e-03	-4.70e-04	1.17e-04
5	53	37	0.28	0.22	0.22	0.28	-6.41e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	-7.38e-06
5	53	38	-3.34e-02	-8.76e-02	-3.34e-02	-8.76e-02	-6.41e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	-2.17e-05
5	53	45	0.38	8.74e-02	0.19	0.28	0.14	-1.77e-03	-1.90e-03	-1.80e-03	-1.87e-03	5.71e-05
5	53	46	0.14	-0.26	-3.64e-02	-9.19e-02	0.20	-4.49e-04	-2.68e-03	-2.68e-03	-4.55e-04	-1.16e-04
5	53	53	0.50	-9.56e-02	0.12	0.29	0.28	-7.05e-04	-3.25e-03	-3.23e-03	-7.24e-04	2.24e-04
5	53	54	0.33	-0.48	-4.73e-02	-9.94e-02	0.40	-1.68e-03	-2.57e-03	-2.50e-03	-1.74e-03	-2.32e-04
5	53	61	0.65	-0.31	-5.18e-03	0.34	0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.46e-03
5	53	62	0.46	-0.74	-7.72e-02	-0.20	0.59	2.27e-02	-1.44e-03	-2.10e-04	2.14e-02	5.31e-03
5	53	69	0.29	-0.98	-0.46	-0.23	0.63	4.16e-02	-7.29e-04	4.06e-02	2.73e-04	6.43e-03
5	53	70	0.81	-0.43	0.21	0.17	0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	-4.35e-03
5	54	9	0.66	-0.32	8.31e-04	0.34	-0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	3.40e-03
5	54	10	0.31	-0.99	-0.44	-0.23	-0.64	4.00e-02	-1.08e-03	3.90e-02	-4.14e-05	-6.46e-03
5	54	11	0.48	-0.75	-6.78e-02	-0.20	-0.61	2.27e-02	-1.54e-03	-2.97e-04	2.14e-02	-5.34e-03
5	54	12	0.84	-0.43	0.23	0.18	-0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	4.35e-03
5	54	21	0.50	-0.12	0.11	0.27	-0.30	-5.80e-04	-2.74e-03	-2.72e-03	-6.04e-04	-2.24e-04
5	54	22	0.33	-0.50	-5.27e-02	-0.12	-0.41	-1.48e-03	-2.08e-03	-1.95e-03	-1.61e-03	2.45e-04
5	54	29	0.38	7.00e-02	0.18	0.26	-0.15	-1.67e-03	-1.87e-03	-1.70e-03	-1.84e-03	-7.22e-05
5	54	30	0.13	-0.28	-4.97e-02	-0.11	-0.20	-4.13e-04	-2.59e-03	-2.59e-03	-4.19e-04	1.08e-04
5	54	37	0.26	0.21	0.21	0.26	6.37e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	-7.98e-06
5	54	38	-5.06e-02	-0.11	-5.06e-02	-0.11	6.37e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	1.36e-05
5	54	45	0.38	7.04e-02	0.18	0.26	0.15	-1.70e-03	-1.88e-03	-1.73e-03	-1.85e-03	6.89e-05
5	54	46	0.13	-0.28	-4.84e-02	-0.10	0.21	-4.23e-04	-2.62e-03	-2.61e-03	-4.28e-04	-1.07e-04
5	54	53	0.50	-0.11	0.11	0.28	0.30	-6.11e-04	-2.83e-03	-2.80e-03	-6.34e-04	2.25e-04
5	54	54	0.33	-0.50	-5.07e-02	-0.11	0.41	-1.52e-03	-2.17e-03	-2.05e-03	-1.64e-03	-2.44e-04
5	54	61	0.66	-0.32	2.21e-03	0.34	0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.39e-03
5	54	62	0.48	-0.75	-6.67e-02	-0.20	0.61	2.27e-02	-1.57e-03	-3.33e-04	2.14e-02	5.34e-03
5	54	69	0.31	-0.98	-0.44	-0.23	0.64	4.02e-02	-1.05e-03	3.91e-02	-1.32e-05	6.47e-03
5	54	70	0.84	-0.43	0.23	0.18	0.63	2.46e-02	1.18e-02	2.28e-02	1.35e-02	-4.35e-03
5	55	9	0.63	-0.30	-1.38e-02	0.35	-0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	3.55e-03
5	55	10	0.27	-0.97	-0.47	-0.23	-0.61	4.32e-02	-3.50e-04	4.22e-02	6.08e-04	-6.39e-03
5	55	11	0.44	-0.72	-8.93e-02	-0.20	-0.58	2.27e-02	-1.29e-03	-7.19e-05	2.15e-02	-5.26e-03
5	55	12	0.78	-0.42	0.19	0.17	-0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	4.35e-03
5	55	21	0.50	-7.49e-02	0.12	0.30	-0.27	-8.13e-04	-3.75e-03	-3.73e-03	-8.30e-04	-2.26e-04
5	55	22	0.33	-0.45	-4.33e-02	-8.41e-02	-0.39	-1.83e-03	-3.07e-03	-3.04e-03	-1.87e-03	2.16e-04
5	55	29	0.39	0.11	0.20	0.29	-0.13	-1.84e-03	-1.94e-03	-1.89e-03	-1.89e-03	-4.66e-05
5	55	30	0.14	-0.24	-2.24e-02	-7.69e-02	-0.19	-4.79e-04	-2.76e-03	-2.75e-03	-4.87e-03	1.29e-04
5	55	37	0.30	0.24	0.24	0.30	2.13e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	-4.01e-06
5	55	38	-1.33e-02	-6.34e-02	-1.34e-02	-6.33e-02	2.13e-03	-5.88e-04	-3.82e-03	-3.82e-03	-5.89e-04	5.75e-05
5	55	45	0.40	0.11	0.21	0.30	0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	5.60e-05
5	55	46	0.15	-0.24	-1.91e-02	-7.07e-02	0.19	-5.22e-04	-2.89e-03	-2.88e-03	-5.29e-04	-1.27e-04
5	55	53	0.51	-6.94e-02	0.12	0.31	0.27	-9.04e-04	-4.04e-03	-4.02e-03	-9.22e-04	2.35e-04
5	55	54	0.33	-0.44	-3.78e-02	-7.33e-02	0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	-2.10e-04
5	55	61	0.63	-0.29	-9.75e-03	0.35	0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	-3.57e-03
5	55	62	0.44	-0.72	-8.65e-02	-0.19	0.58	2.26e-02	-1.41e-03	-2.00e-04	2.14e-02	5.25e-03
5	55	69	0.27	-0.97	-0.47	-0.23	0.60	4.37e-02	-2.33e-04	4.28e-02	7.13e-04	6.38e-03
5	55	70	0.78	-0.42	0.19	0.17	0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	-4.35e-03
5	56	9	0.68	-0.33	1.08e-02	0.34	-0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	3.32e-03
5	56	10	0.34	-0.99	-0.43	-0.22	-0.66	3.85e-02	-1.43e-03	3.75e-02	-3.46e-04	-6.50e-03
5	56	11	0.50	-0.76	-5.47e-02	-0.20	-0.62	2.27e-02	-1.73e-03	-4.75e-04	2.14e-02	-5.38e-03
5	56	12	0.87	-0.43	0.25	0.18	-0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	4.35e-03
5	56	21	0.50	-0.13	0.11	0.26	-0.31	-4.98e-04	-2.33e-03	-2.30e-03	-5.26e-04	-2.27e-04
5	56	22	0.34	-0.52	-5.48e-02	-0.13	-0.43	-1.27e-03	-1.78e-03	-1.53e-03	-1.51e-03	2.57e-04
5	56	29	0.37	5.05e-02	0.17	0.25	-0.16	-1.61e-03	-1.87e-03	-1.65e-03	-1.83e-03	-8.76e-05
5	56	30	0.12	-0.31	-6.25e-02	-0.12	-0.21	-3.94e-04	-2.55e-03	-2.55e-03	-3.98e-04	9.48e-05
5	56	37	0.24	0.19	0.19	0.24	-2.13e-03	-6.54e-04	-1.80e-03	-6.54e-04	-1.80e-03	-1.09e-06
5	56	38	-7.06e-02	-0.13	-7.06e-02	-0.13	-2.13e-03	-1.93e-05	-1.81e-03	-1.81e-03	-2.13e-05	-5.98e-05
5	56	45	0.37	4.94e-02	0.17	0.24	0.15	-1.50e-03	-1.80e-03	-1.52e-03	-1.78e-03	7.41e-05
5	56	46	0.12	-0.31	-6.60e-02	-0.13	0.21	-3.53e-04	-2.43e-03	-2.42e-03	-3.58e-04	-9.68e-05
5	56	53	0.49	-0.14	0.10	0.25	0.31	-4.04e-04	-2.04e-03	-2.01e-03	-4.33e-04	2.16e-04

5	56	54	0.33	-0.53	-6.06e-02	-0.14	0.43	-9.90e-04	-1.58e-03	-1.16e-03	-1.41e-03	-2.65e-04
5	56	61	0.67	-0.33	6.61e-03	0.33	0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.29e-03
5	56	62	0.50	-0.76	-5.76e-02	-0.21	0.63	2.27e-02	-1.61e-03	-3.50e-04	2.15e-02	5.40e-03
5	56	69	0.34	-0.99	-0.43	-0.22	0.66	3.80e-02	-1.55e-03	3.69e-02	-4.50e-04	6.51e-03
5	56	70	0.87	-0.44	0.25	0.18	0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	-4.35e-03
5	57	9	0.63	-0.30	-1.39e-02	0.35	-0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	3.55e-03
5	57	10	0.27	-0.97	-0.47	-0.23	-0.61	4.32e-02	-3.50e-04	4.22e-02	6.09e-04	-6.39e-03
5	57	11	0.44	-0.72	-8.94e-02	-0.20	-0.58	2.27e-02	-1.29e-03	-7.37e-05	2.15e-02	-5.26e-03
5	57	12	0.78	-0.42	0.19	0.17	-0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	4.35e-03
5	57	21	0.50	-7.49e-02	0.12	0.30	-0.27	-8.12e-04	-3.75e-03	-3.73e-03	-8.29e-04	-2.25e-04
5	57	22	0.33	-0.45	-4.34e-02	-8.40e-02	-0.39	-1.83e-03	-3.08e-03	-3.04e-03	-1.87e-03	2.17e-04
5	57	29	0.39	0.11	0.20	0.29	-0.13	-1.85e-03	-1.93e-03	-1.89e-03	-1.89e-03	-4.45e-05
5	57	30	0.14	-0.24	-2.25e-02	-7.69e-02	-0.19	-4.80e-04	-2.76e-03	-2.75e-03	-4.88e-04	1.29e-04
5	57	37	0.30	0.24	0.24	0.30	2.13e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	1.09e-06
5	57	38	-1.33e-02	-6.34e-02	-1.34e-02	-6.33e-02	2.13e-03	-5.88e-04	-3.82e-03	-3.82e-03	-5.89e-04	5.98e-05
5	57	45	0.40	0.11	0.21	0.30	0.14	-1.91e-03	-2.05e-03	-2.01e-03	-1.94e-03	5.81e-05
5	57	46	0.15	-0.24	-1.91e-02	-7.07e-02	0.19	-5.21e-04	-2.88e-03	-2.88e-03	-5.28e-04	-1.27e-04
5	57	53	0.51	-6.94e-02	0.12	0.31	0.27	-9.05e-04	-4.04e-03	-4.02e-03	-9.23e-04	2.36e-04
5	57	54	0.33	-0.44	-3.77e-02	-7.33e-02	0.39	-1.95e-03	-3.44e-03	-3.41e-03	-1.98e-03	-2.09e-04
5	57	61	0.63	-0.29	-9.71e-03	0.35	0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	-3.57e-03
5	57	62	0.44	-0.72	-8.65e-02	-0.19	0.58	2.26e-02	-1.41e-03	-1.98e-04	2.14e-02	5.25e-03
5	57	69	0.27	-0.97	-0.47	-0.23	0.60	4.37e-02	-2.34e-04	4.28e-02	7.12e-04	6.38e-03
5	57	70	0.78	-0.42	0.19	0.17	0.60	2.81e-02	1.29e-02	2.67e-02	1.42e-02	-4.35e-03
5	58	9	0.68	-0.33	1.07e-02	0.34	-0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	3.31e-03
5	58	10	0.34	-0.99	-0.43	-0.22	-0.66	3.86e-02	-1.43e-03	3.75e-02	-3.45e-04	-6.50e-03
5	58	11	0.50	-0.76	-5.47e-02	-0.20	-0.62	2.27e-02	-1.73e-03	-4.76e-04	2.14e-02	-5.38e-03
5	58	12	0.87	-0.43	0.25	0.18	-0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	4.35e-03
5	58	21	0.50	-0.13	0.11	0.26	-0.31	-4.98e-04	-2.33e-03	-2.30e-03	-5.26e-04	-2.26e-04
5	58	22	0.34	-0.52	-5.49e-02	-0.13	-0.43	-1.27e-03	-1.78e-03	-1.54e-03	-1.52e-03	2.58e-04
5	58	29	0.37	5.05e-02	0.17	0.25	-0.16	-1.61e-03	-1.87e-03	-1.65e-03	-1.83e-03	-8.55e-05
5	58	30	0.12	-0.31	-6.26e-02	-0.12	-0.21	-3.95e-04	-2.56e-03	-2.55e-03	-3.99e-04	9.46e-05
5	58	37	0.24	0.19	0.19	0.24	-2.13e-03	-6.54e-04	-1.80e-03	-6.54e-04	-1.80e-03	4.01e-06
5	58	38	-7.06e-02	-0.13	-7.06e-02	-0.13	-2.13e-03	-1.95e-05	-1.81e-03	-1.81e-03	-2.13e-05	-5.75e-05
5	58	45	0.37	4.95e-02	0.17	0.24	0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.78e-03	7.62e-05
5	58	46	0.12	-0.31	-6.59e-02	-0.13	0.21	-3.52e-04	-2.43e-03	-2.42e-03	-3.57e-04	-9.70e-05
5	58	53	0.49	-0.14	0.10	0.25	0.31	-4.04e-04	-2.04e-03	-2.01e-03	-4.34e-04	2.17e-04
5	58	54	0.33	-0.53	-6.05e-02	-0.14	0.43	-9.86e-04	-1.57e-03	-1.15e-03	-1.41e-03	-2.64e-04
5	58	61	0.67	-0.33	6.65e-03	0.33	0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.30e-03
5	58	62	0.50	-0.76	-5.76e-02	-0.21	0.63	2.27e-02	-1.61e-03	-3.48e-04	2.15e-02	5.40e-03
5	58	69	0.34	-0.99	-0.43	-0.22	0.66	3.80e-02	-1.55e-03	3.69e-02	-4.51e-04	6.51e-03
5	58	70	0.87	-0.44	0.25	0.18	0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	-4.35e-03
5	59	9	0.63	-0.30	-1.38e-02	0.35	-0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	3.55e-03
5	59	10	0.27	-0.97	-0.47	-0.23	-0.61	4.32e-02	-3.51e-04	4.22e-02	6.08e-04	-6.39e-03
5	59	11	0.44	-0.72	-8.93e-02	-0.20	-0.58	2.27e-02	-1.29e-03	-7.20e-05	2.15e-02	-5.26e-03
5	59	12	0.78	-0.42	0.19	0.17	-0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	4.35e-03
5	59	21	0.50	-7.49e-02	0.12	0.30	-0.27	-8.13e-04	-3.75e-03	-3.73e-03	-8.30e-04	-2.25e-04
5	59	22	0.33	-0.45	-4.33e-02	-8.41e-02	-0.39	-1.83e-03	-3.07e-03	-3.04e-03	-1.87e-03	2.17e-04
5	59	29	0.39	0.11	0.20	0.29	-0.13	-1.84e-03	-1.93e-03	-1.89e-03	-1.89e-03	-4.47e-05
5	59	30	0.14	-0.24	-2.24e-02	-7.69e-02	-0.19	-4.79e-04	-2.76e-03	-2.75e-03	-4.87e-04	1.29e-04
5	59	37	0.30	0.24	0.24	0.30	2.13e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	
5	59	38	-1.33e-02	-6.34e-02	-1.34e-02	-6.33e-02	2.13e-03	-5.88e-04	-3.82e-03	-3.82e-03	-5.89e-04	5.99e-05
5	59	45	0.40	0.11	0.21	0.30	0.14	-1.91e-03	-2.05e-03	-2.01e-03	-1.94e-03	5.79e-05
5	59	46	0.15	-0.24	-1.91e-02	-7.07e-02	0.19	-5.22e-04	-2.89e-03	-2.88e-03	-5.29e-04	-1.27e-04
5	59	53	0.51	-6.94e-02	0.12	0.31	0.27	-9.04e-04	-4.04e-03	-4.02e-03	-9.22e-04	2.36e-04
5	59	54	0.33	-0.44	-3.78e-02	-7.33e-02	0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	-2.09e-04
5	59	61	0.63	-0.29	-9.75e-03	0.35	0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	-3.57e-03
5	59	62	0.44	-0.72	-8.65e-02	-0.19	0.58	2.26e-02	-1.41e-03	-2.00e-04	2.14e-02	5.25e-03
5	59	69	0.27	-0.97	-0.47	-0.23	0.60	4.37e-02	-2.33e-04	4.28e-02	7.13e-04	6.38e-03
5	59	70	0.78	-0.42	0.19	0.17	0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	-4.35e-03
5	60	9	0.68	-0.33	1.08e-02	0.34	-0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	3.31e-03
5	60	10	0.34	-0.99	-0.43	-0.22	-0.66	3.85e-02	-1.43e-03	3.75e-02	-3.46e-04	-6.50e-03
5	60	11	0.50	-0.76	-5.47e-02	-0.20	-0.62	2.27e-02	-1.73e-03	-4.75e-04	2.14e-02	-5.38e-03
5	60	12	0.87	-0.43	0.25	0.18	-0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	4.35e-03
5	60	21	0.50	-0.13	0.11	0.26	-0.31	-4.98e-04	-2.33e-03	-2.30e-03	-5.26e-04	-2.26e-04
5	60	22	0.34	-0.52	-5.48e-02	-0.13	-0.43	-1.27e-03	-1.78e-03	-1.53e-03	-1.51e-03	2.58e-04
5	60	29	0.37	5.05e-02	0.17	0.25	-0.16	-1.61e-03	-1.87e-03	-1.65e-03	-1.83e-03	-8.57e-05
5	60	30	0.12	-0.31	-6.25e-02	-0.12	-0.21	-3.94e-04	-2.55e-03	-2.55e-03	-3.98e-04	9.45e-05
5	60	37	0.24	0.19	0.19	0.24	-2.13e-03	-6.54e-04	-1.80e-03	-6.54e-04	-1.80e-03	3.76e-06
5	60	38	-7.06e-02	-0.13	-7.06e-02	-0.13	-2.13e-03	-1.95e-05	-1.81e-03	-1.81e-03	-2.13e-05	-5.74e-05
5	60	45	0.37	4.94e-02	0.17	0.24	0.15	-1.50e-03	-1.80e-03	-1.52e-03	-1.78e-03	7.61e-05
5	60	46	0.12	-0.31	-6.60e-02	-0.13	0.21	-3.53e-04	-2.43e-03	-2.42e-03	-3.58e-04	-9.71e-05
5	60	53	0.49	-0.14	0.10	0.25	0.31	-4.04e-04	-2.04e-03	-2.01e-03	-4.33e-04	2.17e-04
5	60	54	0.33	-0.53	-6.06e-02	-0.14	0.43	-9.90e-04	-1.57e-03	-1.16e-03	-1.41e-03	-2.64e-04
5	60	61	0.67	-0.33	6.61e-03	0.33	0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.30e-03
5	60	62	0.50	-0.76	-5.76e-02	-0.21	0.63	2.27e-02	-1.61e-03	-3.50e-04	2.15e-02	5.40e-03
5	60	69	0.34	-0.99	-0.43	-0.22	0.66	3.80e-02	-1.55e-03	3.69e-02	-4.50e-04	6.51e-03
5	60	70	0.87	-0.44	0.25	0.18	0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	-4.35e-03

5	61	9	0.63	-0.30	-1.39e-02	0.35	-0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	3.55e-03
5	61	10	0.27	-0.97	-0.47	-0.23	-0.61	4.32e-02	-3.49e-04	4.22e-02	6.09e-04	-6.39e-03
5	61	11	0.44	-0.72	-8.94e-02	-0.20	-0.58	2.27e-02	-1.29e-03	-7.36e-05	2.15e-02	-5.26e-03
5	61	12	0.78	-0.42	0.19	0.17	-0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	4.35e-03
5	61	21	0.50	-7.49e-02	0.12	0.30	-0.27	-8.12e-04	-3.75e-03	-3.73e-03	-8.29e-04	-2.26e-04
5	61	22	0.33	-0.45	-4.34e-02	-8.40e-02	-0.39	-1.83e-03	-3.08e-03	-3.04e-03	-1.87e-03	2.16e-04
5	61	29	0.39	0.11	0.20	0.29	-0.13	-1.84e-03	-1.94e-03	-1.89e-03	-1.89e-03	-4.65e-05
5	61	30	0.14	-0.24	-2.25e-02	-7.69e-02	-0.19	-4.80e-04	-2.76e-03	-2.75e-03	-4.88e-04	1.29e-04
5	61	37	0.30	0.24	0.24	0.30	2.13e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	-3.76e-06
5	61	38	-1.33e-02	-6.34e-02	-1.34e-02	-6.33e-02	2.13e-03	-5.88e-04	-3.82e-03	-3.82e-03	-5.89e-04	5.74e-05
5	61	45	0.40	0.11	0.21	0.30	0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	5.61e-05
5	61	46	0.15	-0.24	-1.91e-02	-7.07e-02	0.19	-5.21e-04	-2.88e-03	-2.88e-03	-5.28e-04	-1.27e-04
5	61	53	0.51	-6.94e-02	0.12	0.31	0.27	-9.05e-04	-4.04e-03	-4.02e-03	-9.23e-04	2.35e-04
5	61	54	0.33	-0.44	-3.77e-02	-7.33e-02	0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	-2.10e-04
5	61	61	0.63	-0.29	-9.71e-03	0.35	0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	-3.57e-03
5	61	62	0.44	-0.72	-8.65e-02	-0.19	0.58	2.26e-02	-1.41e-03	-1.98e-04	2.14e-02	5.25e-03
5	61	69	0.27	-0.97	-0.47	-0.23	0.60	4.37e-02	-2.34e-04	4.28e-02	7.12e-04	6.38e-03
5	61	70	0.78	-0.42	0.19	0.17	0.60	2.81e-02	1.29e-02	2.67e-02	1.42e-02	-4.35e-03
5	62	9	0.68	-0.33	1.07e-02	0.34	-0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	3.32e-03
5	62	10	0.34	-0.99	-0.43	-0.22	-0.66	3.86e-02	-1.43e-03	-1.75e-02	-3.45e-04	-6.50e-03
5	62	11	0.50	-0.76	-5.47e-02	-0.20	-0.62	2.27e-02	-1.73e-03	-4.76e-04	2.14e-02	-5.38e-03
5	62	12	0.87	-0.43	0.25	0.18	-0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	4.35e-03
5	62	21	0.50	-0.13	0.11	0.26	-0.31	-4.97e-04	-2.33e-03	-2.30e-03	-5.26e-04	-2.27e-04
5	62	22	0.34	-0.52	-5.49e-02	-0.13	-0.43	-1.27e-03	-1.78e-03	-1.54e-03	-1.52e-03	2.57e-04
5	62	29	0.37	5.05e-02	0.17	0.25	-0.16	-1.61e-03	-1.87e-03	-1.65e-03	-1.83e-03	-8.75e-05
5	62	30	0.12	-0.31	-6.26e-02	-0.12	-0.21	-3.95e-04	-2.56e-03	-2.55e-03	-3.99e-04	9.48e-05
5	62	37	0.24	0.19	0.19	0.24	-2.13e-03	-6.54e-04	-1.80e-03	-6.54e-04	-1.80e-03	
5	62	38	-7.06e-02	-0.13	-7.06e-02	-0.13	-2.13e-03	-1.93e-05	-1.81e-03	-1.81e-03	-2.13e-05	-5.99e-05
5	62	45	0.37	4.95e-02	0.17	0.24	0.15	-1.50e-03	-1.80e-03	-1.52e-03	-1.78e-03	7.42e-05
5	62	46	0.12	-0.31	-6.59e-02	-0.13	0.21	-3.52e-04	-2.43e-03	-2.42e-03	-3.57e-04	-9.68e-05
5	62	53	0.49	-0.14	0.10	0.25	0.31	-4.05e-04	-2.04e-03	-2.01e-03	-4.34e-04	2.16e-04
5	62	54	0.33	-0.53	-6.05e-02	-0.14	0.43	-9.86e-04	-1.57e-03	-1.15e-03	-1.41e-03	-2.65e-04
5	62	61	0.67	-0.33	6.65e-03	0.33	0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.29e-03
5	62	62	0.50	-0.76	-5.76e-02	-0.21	0.63	2.27e-02	-1.61e-03	-3.49e-04	2.15e-02	5.40e-03
5	62	69	0.34	-0.99	-0.43	-0.22	0.66	3.80e-02	-1.55e-03	3.69e-02	-4.51e-04	6.51e-03
5	62	70	0.87	-0.44	0.25	0.18	0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	-4.35e-03
5	63	9	0.63	-0.29	-9.69e-03	0.35	-0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	3.57e-03
5	63	10	0.27	-0.97	-0.47	-0.23	-0.60	4.37e-02	-2.34e-04	4.28e-02	7.12e-04	-6.38e-03
5	63	11	0.44	-0.72	-8.65e-02	-0.19	-0.58	2.26e-02	-1.41e-03	-2.05e-04	2.14e-02	-5.25e-03
5	63	12	0.78	-0.42	0.19	0.17	-0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	4.35e-03
5	63	21	0.51	-6.94e-02	0.12	0.31	-0.27	-9.04e-04	-4.04e-03	-4.02e-03	-9.22e-04	-2.39e-04
5	63	22	0.33	-0.44	-3.77e-02	-7.34e-02	-0.39	-1.95e-03	-3.44e-03	-3.41e-03	-1.98e-03	2.07e-04
5	63	29	0.40	0.11	0.21	0.30	-0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	-5.68e-05
5	63	30	0.15	-0.24	-1.91e-02	-7.07e-02	-0.19	-5.21e-04	-2.88e-03	-2.87e-03	-5.27e-04	1.27e-04
5	63	37	0.30	0.24	0.24	0.30	-2.13e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	-1.54e-06
5	63	38	-1.33e-02	-6.34e-02	-1.34e-02	-6.33e-02	-2.13e-03	-5.89e-04	-3.82e-03	-3.82e-03	-5.90e-04	-6.00e-05
5	63	45	0.39	0.11	0.20	0.29	0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	4.54e-05
5	63	46	0.14	-0.24	-2.25e-02	-7.68e-02	0.19	-4.81e-04	-2.76e-03	-2.75e-03	-4.88e-04	-1.27e-04
5	63	53	0.50	-7.49e-02	0.12	0.30	0.27	-8.11e-04	-3.74e-03	-3.73e-03	-8.29e-04	2.24e-04
5	63	54	0.33	-0.45	-4.34e-02	-8.41e-02	0.39	-1.83e-03	-3.08e-03	-3.04e-03	-1.87e-03	-2.18e-04
5	63	61	0.63	-0.30	-1.39e-02	0.35	0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	-3.55e-03
5	63	62	0.44	-0.73	-8.94e-02	-0.20	0.58	2.27e-02	-1.29e-03	-6.94e-05	2.15e-02	5.26e-03
5	63	69	0.27	-0.97	-0.47	-0.23	0.61	4.32e-02	-3.50e-04	4.22e-02	6.09e-04	6.39e-03
5	63	70	0.78	-0.42	0.19	0.17	0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	-4.35e-03
5	64	9	0.67	-0.33	6.63e-03	0.33	-0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.29e-03
5	64	10	0.34	-0.99	-0.43	-0.22	-0.66	3.80e-02	-1.55e-03	3.69e-02	-4.50e-04	-6.51e-03
5	64	11	0.50	-0.76	-5.75e-02	-0.21	-0.63	2.27e-02	-1.60e-03	-3.42e-04	2.15e-02	-5.40e-03
5	64	12	0.87	-0.44	0.25	0.18	-0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	4.35e-03
5	64	21	0.49	-0.14	0.10	0.25	-0.31	-4.06e-04	-2.04e-03	-2.01e-03	-4.35e-04	-2.14e-04
5	64	22	0.33	-0.53	-6.05e-02	-0.14	-0.43	-9.87e-04	-1.58e-03	-1.15e-03	-1.41e-03	2.66e-04
5	64	29	0.37	4.95e-02	0.17	0.24	-0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	-7.75e-05
5	64	30	0.12	-0.31	-6.59e-02	-0.13	-0.21	-3.53e-04	-2.43e-03	-2.42e-03	-3.57e-04	9.74e-05
5	64	37	0.24	0.19	0.19	0.24	2.13e-03	-6.53e-04	-1.80e-03	-6.53e-04	-1.80e-03	-3.55e-06
5	64	38	-7.06e-02	-0.13	-7.07e-02	-0.13	2.13e-03	-1.87e-05	-1.80e-03	-1.80e-03	-2.06e-05	5.77e-05
5	64	45	0.37	5.05e-02	0.17	0.25	0.16	-1.61e-03	-1.86e-03	-1.64e-03	-1.83e-03	8.47e-05
5	64	46	0.12	-0.31	-6.27e-02	-0.12	0.21	-3.94e-04	-2.56e-03	-2.55e-03	-3.98e-04	-9.65e-05
5	64	53	0.50	-0.13	0.11	0.26	0.31	-4.98e-04	-2.34e-03	-2.31e-03	-5.27e-04	2.27e-04
5	64	54	0.34	-0.52	-5.49e-02	-0.13	0.43	-1.27e-03	-1.78e-03	-1.54e-03	-1.52e-03	-2.57e-04
5	64	61	0.68	-0.33	1.08e-02	0.34	0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	-3.31e-03
5	64	62	0.50	-0.76	-5.47e-02	-0.20	0.62	2.27e-02	-1.73e-03	-4.81e-04	2.14e-02	5.38e-03
5	64	69	0.34	-0.99	-0.43	-0.22	0.66	3.86e-02	-1.43e-03	-1.75e-02	-3.45e-04	6.50e-03
5	64	70	0.87	-0.43	0.25	0.18	0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	-4.35e-03
5	65	9	0.63	-0.29	-9.73e-03	0.35	-0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	3.57e-03
5	65	10	0.27	-0.97	-0.47	-0.23	-0.60	4.37e-02	-2.34e-04	4.28e-02	7.13e-04	-6.38e-03
5	65	11	0.44	-0.72	-8.66e-02	-0.19	-0.58	2.26e-02	-1.41e-03	-2.07e-04	2.14e-02	-5.25e-03
5	65	12	0.78	-0.42	0.19	0.17	-0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	4.35e-03
5	65	21	0.51	-6.95e-02	0.12	0.31	-0.27	-9.03e-04	-4.04e-03	-4.03e-03	-9.21e-04	-2.38e-04

5	65	22	0.33	-0.44	-3.78e-02	-7.33e-02	-0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	2.08e-04
5	65	29	0.40	0.11	0.21	0.30	-0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	-5.47e-05
5	65	30	0.15	-0.24	-1.91e-02	-7.07e-02	-0.19	-5.21e-04	-2.88e-03	-2.88e-03	-5.28e-04	1.27e-04
5	65	37	0.30	0.24	0.24	0.30	-2.13e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	3.55e-06
5	65	38	-1.33e-02	-6.34e-02	-1.34e-02	-6.33e-02	-2.13e-03	-5.89e-04	-3.82e-03	-3.82e-03	-5.90e-04	-5.77e-05
5	65	45	0.39	0.11	0.20	0.29	0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	4.75e-05
5	65	46	0.14	-0.24	-2.24e-02	-7.68e-02	0.19	-4.80e-04	-2.76e-03	-2.75e-03	-4.87e-04	-1.27e-04
5	65	53	0.50	-7.49e-02	0.12	0.30	0.27	-8.12e-04	-3.74e-03	-3.73e-03	-8.29e-04	2.25e-04
5	65	54	0.33	-0.45	-4.33e-02	-8.41e-02	0.39	-1.83e-03	-3.07e-03	-3.03e-03	-1.87e-03	-2.17e-04
5	65	61	0.63	-0.30	-1.39e-02	0.35	0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	-3.55e-03
5	65	62	0.44	-0.72	-8.94e-02	-0.20	0.58	2.27e-02	-1.28e-03	-6.77e-05	2.15e-02	5.26e-03
5	65	69	0.27	-0.97	-0.47	-0.23	0.61	4.32e-02	-3.51e-04	4.22e-02	6.08e-04	6.39e-03
5	65	70	0.78	-0.42	0.19	0.17	0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	-4.35e-03
5	66	9	0.67	-0.33	6.59e-03	0.33	-0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.29e-03
5	66	10	0.34	-0.99	-0.43	-0.22	-0.66	3.80e-02	-1.55e-03	3.69e-02	-4.49e-04	-6.51e-03
5	66	11	0.50	-0.76	-5.76e-02	-0.21	-0.63	2.27e-02	-1.61e-03	-3.43e-04	2.15e-02	-5.40e-03
5	66	12	0.87	-0.44	0.25	0.18	-0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	4.35e-03
5	66	21	0.49	-0.14	0.10	0.25	-0.31	-4.06e-04	-2.04e-03	-2.01e-03	-4.34e-04	-2.13e-04
5	66	22	0.33	-0.53	-6.06e-02	-0.14	-0.43	-9.90e-04	-1.58e-03	-1.16e-03	-1.41e-03	2.67e-04
5	66	29	0.37	4.95e-02	0.17	0.24	-0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	-7.53e-05
5	66	30	0.12	-0.31	-6.60e-02	-0.13	-0.21	-3.54e-04	-2.43e-03	-2.43e-03	-3.58e-04	9.72e-05
5	66	37	0.24	0.19	0.19	0.24	2.13e-03	-6.53e-04	-1.80e-03	-6.53e-04	-1.80e-03	1.54e-06
5	66	38	-7.06e-02	-0.13	-7.07e-02	-0.13	2.13e-03	-1.85e-05	-1.80e-03	-1.80e-03	-2.05e-05	6.00e-05
5	66	45	0.37	5.05e-02	0.17	0.25	0.16	-1.61e-03	-1.87e-03	-1.64e-03	-1.83e-03	8.68e-05
5	66	46	0.12	-0.31	-6.26e-02	-0.12	0.21	-3.93e-04	-2.55e-03	-2.55e-03	-3.97e-04	-9.67e-05
5	66	53	0.50	-0.13	0.11	0.26	0.31	-4.99e-04	-2.34e-03	-2.31e-03	-5.27e-04	2.28e-04
5	66	54	0.34	-0.52	-5.48e-02	-0.13	0.43	-1.27e-03	-1.78e-03	-1.53e-03	-1.52e-03	-2.56e-04
5	66	61	0.68	-0.33	1.08e-02	0.34	0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	-3.32e-03
5	66	62	0.50	-0.76	-5.47e-02	-0.20	0.62	2.27e-02	-1.73e-03	-4.79e-04	2.14e-02	5.38e-03
5	66	69	0.34	-0.99	-0.43	-0.22	0.66	3.85e-02	-1.43e-03	3.75e-02	-3.46e-04	6.50e-03
5	66	70	0.87	-0.43	0.25	0.18	0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	-4.35e-03
5	67	9	0.63	-0.29	-9.69e-03	0.35	-0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	3.57e-03
5	67	10	0.27	-0.97	-0.47	-0.23	-0.60	4.37e-02	-2.35e-04	4.28e-02	7.12e-04	-6.38e-03
5	67	11	0.44	-0.72	-8.65e-02	-0.19	-0.58	2.26e-02	-1.41e-03	-2.05e-04	2.14e-02	-5.25e-03
5	67	12	0.78	-0.42	0.19	0.17	-0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	4.35e-03
5	67	21	0.51	-6.94e-02	0.12	0.31	-0.27	-9.04e-04	-4.04e-03	-4.02e-03	-9.22e-04	-2.38e-04
5	67	22	0.33	-0.44	-3.77e-02	-7.34e-02	-0.39	-1.95e-03	-3.44e-03	-3.41e-03	-1.98e-03	2.08e-04
5	67	29	0.40	0.11	0.21	0.30	-0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	-5.48e-05
5	67	30	0.15	-0.24	-1.91e-02	-7.07e-02	-0.19	-5.21e-04	-2.88e-03	-2.87e-03	-5.27e-04	1.26e-04
5	67	37	0.30	0.24	0.24	0.30	-2.13e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	3.31e-06
5	67	38	-1.33e-02	-6.34e-02	-1.34e-02	-6.33e-02	-2.13e-03	-5.89e-04	-3.82e-03	-3.82e-03	-5.90e-04	-5.77e-05
5	67	45	0.39	0.11	0.20	0.29	0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	4.74e-05
5	67	46	0.14	-0.24	-2.24e-02	-7.68e-02	0.19	-4.81e-04	-2.76e-03	-2.75e-03	-4.88e-04	-1.28e-04
5	67	53	0.50	-7.49e-02	0.12	0.30	0.27	-8.11e-04	-3.74e-03	-3.73e-03	-8.29e-04	2.25e-04
5	67	54	0.33	-0.45	-4.34e-02	-8.41e-02	0.39	-1.83e-03	-3.08e-03	-3.04e-03	-1.87e-03	-2.17e-04
5	67	61	0.63	-0.30	-1.39e-02	0.35	0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	-3.55e-03
5	67	62	0.44	-0.73	-8.94e-02	-0.20	0.58	2.27e-02	-1.29e-03	-6.93e-05	2.15e-02	5.26e-03
5	67	69	0.27	-0.97	-0.47	-0.23	0.61	4.32e-02	-3.50e-04	4.22e-02	6.09e-04	6.39e-03
5	67	70	0.78	-0.42	0.19	0.17	0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	-4.35e-03
5	68	9	0.67	-0.33	6.63e-03	0.33	-0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.29e-03
5	68	10	0.34	-0.99	-0.43	-0.22	-0.66	3.80e-02	-1.55e-03	3.69e-02	-4.50e-04	-6.51e-03
5	68	11	0.50	-0.76	-5.75e-02	-0.21	-0.63	2.27e-02	-1.61e-03	-3.42e-04	2.15e-02	-5.40e-03
5	68	12	0.87	-0.44	0.25	0.18	-0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	4.35e-03
5	68	21	0.49	-0.14	0.10	0.25	-0.31	-4.06e-04	-2.04e-03	-2.01e-03	-4.35e-04	-2.13e-04
5	68	22	0.33	-0.53	-6.05e-02	-0.14	-0.43	-9.86e-04	-1.58e-03	-1.15e-03	-1.41e-03	2.67e-04
5	68	29	0.37	4.95e-02	0.17	0.24	-0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	-7.55e-05
5	68	30	0.12	-0.31	-6.59e-02	-0.13	-0.21	-3.53e-04	-2.43e-03	-2.43e-03	-3.57e-04	9.72e-05
5	68	37	0.24	0.19	0.19	0.24	2.13e-03	-6.53e-04	-1.80e-03	-6.53e-04	-1.80e-03	1.30e-06
5	68	38	-7.06e-02	-0.13	-7.07e-02	-0.13	2.13e-03	-1.85e-05	-1.80e-03	-1.80e-03	-2.05e-05	6.01e-05
5	68	45	0.37	5.05e-02	0.17	0.25	0.16	-1.61e-03	-1.87e-03	-1.64e-03	-1.83e-03	8.66e-05
5	68	46	0.12	-0.31	-6.26e-02	-0.12	0.21	-3.94e-04	-2.56e-03	-2.55e-03	-3.98e-04	-9.68e-05
5	68	53	0.50	-0.13	0.11	0.26	0.31	-4.98e-04	-2.34e-03	-2.31e-03	-5.27e-04	2.28e-04
5	68	54	0.34	-0.52	-5.49e-02	-0.13	0.43	-1.27e-03	-1.78e-03	-1.54e-03	-1.52e-03	-2.56e-04
5	68	61	0.68	-0.33	1.08e-02	0.34	0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	-3.32e-03
5	68	62	0.50	-0.76	-5.47e-02	-0.20	0.62	2.27e-02	-1.73e-03	-4.80e-04	2.14e-02	5.38e-03
5	68	69	0.34	-0.99	-0.43	-0.22	0.66	3.86e-02	-1.43e-03	3.75e-02	-3.45e-04	6.50e-03
5	68	70	0.87	-0.43	0.25	0.18	0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	-4.35e-03
5	69	9	0.63	-0.29	-9.73e-03	0.35	-0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	3.57e-03
5	69	10	0.27	-0.97	-0.47	-0.23	-0.60	4.37e-02	-2.33e-04	4.28e-02	7.13e-04	-6.38e-03
5	69	11	0.44	-0.72	-8.66e-02	-0.19	-0.58	2.26e-02	-1.41e-03	-2.06e-04	2.14e-02	-5.25e-03
5	69	12	0.78	-0.42	0.19	0.17	-0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	4.35e-03
5	69	21	0.51	-6.95e-02	0.12	0.31	-0.27	-9.03e-04	-4.04e-03	-4.03e-03	-9.21e-04	-2.39e-04
5	69	22	0.33	-0.44	-3.78e-02	-7.33e-02	-0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	2.07e-04
5	69	29	0.40	0.11	0.21	0.30	-0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	-5.67e-05
5	69	30	0.15	-0.24	-1.91e-02	-7.07e-02	-0.19	-5.21e-04	-2.88e-03	-2.88e-03	-5.28e-04	1.27e-04
5	69	37	0.30	0.24	0.24	0.30	-2.13e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	-1.30e-06
5	69	38	-1.33e-02	-6.34e-02	-1.34e-02	-6.33e-02	-2.13e-03	-5.89e-04	-3.82e-03	-3.82e-03	-5.90e-04	-6.01e-05

5	69	45	0.39	0.11	0.20	0.29	0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	4.55e-05
5	69	46	0.14	-0.24	-2.24e-02	-7.68e-02	0.19	-4.80e-04	-2.76e-03	-2.75e-03	-4.87e-04	-1.27e-04
5	69	53	0.50	-7.49e-02	0.12	0.30	0.27	-8.12e-04	-3.74e-03	-3.73e-03	-8.29e-04	2.24e-04
5	69	54	0.33	-0.45	-4.34e-02	-8.41e-02	0.39	-1.83e-03	-3.07e-03	-3.04e-03	-1.87e-03	-2.18e-04
5	69	61	0.63	-0.30	-1.39e-02	0.35	0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	-3.55e-03
5	69	62	0.44	-0.72	-8.94e-02	-0.20	0.58	2.27e-02	-1.29e-03	-6.78e-05	2.15e-02	5.26e-03
5	69	69	0.27	-0.97	-0.47	-0.23	0.61	4.32e-02	-3.51e-04	4.22e-02	6.08e-04	6.39e-03
5	69	70	0.78	-0.42	0.19	0.17	0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	-4.35e-03
5	70	9	0.67	-0.33	6.59e-03	0.33	-0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.29e-03
5	70	10	0.34	-0.99	-0.43	-0.22	-0.66	3.80e-02	-1.55e-03	3.69e-02	-4.49e-04	-6.51e-03
5	70	11	0.50	-0.76	-5.76e-02	-0.21	-0.63	2.27e-02	-1.61e-03	-3.43e-04	2.15e-02	-5.40e-03
5	70	12	0.87	-0.44	0.25	0.18	-0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	4.35e-03
5	70	21	0.49	-0.14	0.10	0.25	-0.31	-4.05e-04	-2.04e-03	-2.01e-03	-4.34e-04	-2.14e-04
5	70	22	0.33	-0.53	-6.06e-02	-0.14	-0.43	-9.90e-04	-1.58e-03	-1.16e-03	-1.41e-03	2.66e-04
5	70	29	0.37	4.95e-02	0.17	0.24	-0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	-7.73e-05
5	70	30	0.12	-0.31	-6.60e-02	-0.13	-0.21	-3.54e-04	-2.43e-03	-2.43e-03	-3.58e-04	9.75e-05
5	70	37	0.24	0.19	0.19	0.24	2.13e-03	-6.53e-04	-1.80e-03	-6.53e-04	-1.80e-03	-3.31e-06
5	70	38	-7.06e-02	-0.13	-7.07e-02	-0.13	2.13e-03	-1.87e-05	-1.80e-03	-1.80e-03	-2.06e-05	5.77e-05
5	70	45	0.37	5.05e-02	0.17	0.25	0.16	-1.61e-03	-1.86e-03	-1.64e-03	-1.83e-03	8.48e-05
5	70	46	0.12	-0.31	-6.26e-02	-0.12	0.21	-3.93e-04	-2.55e-03	-2.55e-03	-3.97e-04	-9.64e-05
5	70	53	0.50	-0.13	0.11	0.26	0.31	-4.99e-04	-2.34e-03	-2.31e-03	-5.27e-04	2.27e-04
5	70	54	0.34	-0.52	-5.48e-02	-0.13	0.43	-1.27e-03	-1.78e-03	-1.53e-03	-1.52e-03	-2.57e-04
5	70	61	0.68	-0.33	1.08e-02	0.34	0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	-3.31e-03
5	70	62	0.50	-0.76	-5.47e-02	-0.20	0.62	2.27e-02	-1.73e-03	-4.79e-04	2.14e-02	5.38e-03
5	70	69	0.34	-0.99	-0.43	-0.22	0.66	3.86e-02	-1.43e-03	3.75e-02	-3.46e-04	6.50e-03
5	70	70	0.87	-0.43	0.25	0.18	0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	-4.35e-03
5	71	9	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
5	71	10	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
5	71	11	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
5	71	12	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
5	71	21	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
5	71	22	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
5	71	29	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
5	71	30	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
5	71	37	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
5	71	38	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
5	71	45	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
5	71	46	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
5	71	53	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
5	71	54	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
5	71	61	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
5	71	62	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
5	71	69	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
5	71	70	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
5	72	9	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
5	72	10	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
5	72	11	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
5	72	12	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
5	72	21	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
5	72	22	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
5	72	29	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
5	72	30	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
5	72	37	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
5	72	38	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
5	72	45	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
5	72	46	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
5	72	53	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
5	72	54	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
5	72	61	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
5	72	62	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
5	72	69	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
5	72	70	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
5	73	9	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
5	73	10	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
5	73	11	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
5	73	12	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
5	73	21	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
5	73	22	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
5	73	29	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
5	73	30	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
5	73	37	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
5	73	38	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
5	73	45	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
5	73	46	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
5	73	53	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
5	73	54	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
5	73	61	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03

5	73	62	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
5	73	69	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
5	73	70	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
5	74	9	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
5	74	10	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
5	74	11	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
5	74	12	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
5	74	21	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
5	74	22	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
5	74	29	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
5	74	30	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
5	74	37	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
5	74	38	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
5	74	45	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
5	74	46	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
5	74	53	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
5	74	54	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
5	74	61	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
5	74	62	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
5	74	69	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
5	74	70	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
5	75	9	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
5	75	10	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
5	75	11	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
5	75	12	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
5	75	21	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
5	75	22	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
5	75	29	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
5	75	30	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
5	75	37	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
5	75	38	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
5	75	45	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
5	75	46	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
5	75	53	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
5	75	54	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
5	75	61	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
5	75	62	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
5	75	69	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
5	75	70	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
5	76	9	0.65	-0.31	-1.55e-03	0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
5	76	10	0.30	-0.98	-0.45	-0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
5	76	11	0.47	-0.74	-7.20e-02	-0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
5	76	12	0.82	-0.43	0.22	0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
5	76	21	0.50	-0.10	0.11	0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
5	76	22	0.33	-0.49	-4.91e-02	-0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
5	76	29	0.38	7.89e-02	0.19	0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
5	76	30	0.13	-0.27	-4.25e-02	-9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
5	76	37	0.27	0.22	0.22	0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
5	76	38	-4.20e-02	-9.80e-02	-4.20e-02	-9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
5	76	45	0.38	7.89e-02	0.19	0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
5	76	46	0.13	-0.27	-4.25e-02	-9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
5	76	53	0.50	-0.10	0.11	0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
5	76	54	0.33	-0.49	-4.91e-02	-0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
5	76	61	0.65	-0.31	-1.55e-03	0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
5	76	62	0.47	-0.74	-7.20e-02	-0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
5	76	69	0.30	-0.98	-0.45	-0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
5	76	70	0.82	-0.43	0.22	0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		-18.98	-4.11	-4.84	-25.80		-6.75	-6.73	-1.36	-1.00
	111.49		19.67	110.83	25.80	14.47		14.38	2.88	1.00

Macro	Tipo	Angolo 1-X (gradi)
6	Guscio	0.0

M_G	Cmb	Nodo	N max daN/cm	N min daN/cm	N 1 daN/cm	N 2 daN/cm	N 1-2 daN/cm	M max daN	M min daN	M 1 daN	M 2 daN	M 1-2 daN
6	1	11	0.96	-0.61	9.37e-02	0.26	0.78	2.95e-02	-1.96e-03	-3.56e-04	2.79e-02	-6.92e-03
6	1	12	0.56	-1.07	-0.29	-0.23	0.81	3.28e-02	1.56e-02	3.07e-02	1.77e-02	5.65e-03
6	1	13	0.41	-0.85	2.02e-03	-0.45	0.59	-2.32e-02	-3.35e-02	-2.57e-02	-3.09e-02	4.46e-03
6	1	14	1.28	-0.39	0.59	0.30	0.82	5.31e-02	-1.16e-03	5.18e-02	1.71e-04	-8.38e-03
6	1	22	0.63	-0.43	6.39e-02	0.14	0.53	-2.09e-03	-3.08e-03	-2.97e-03	-2.20e-03	3.08e-04

6	1	23	0.14	-0.65	-0.15	-0.37	0.38	-8.53e-04	-3.95e-03	-3.92e-03	-8.81e-04	-2.94e-04
6	1	30	0.36	-0.17	5.53e-02	0.13	0.26	-5.68e-04	-3.45e-03	-3.45e-03	-5.76e-04	1.46e-04
6	1	31	-0.10	-0.50	-0.25	-0.35	0.19	-2.25e-03	-2.47e-03	-2.30e-03	-2.42e-03	-8.59e-05
6	1	38	0.13	5.46e-02	5.46e-02	0.13		-3.97e-04	-3.65e-03	-3.65e-03	-3.97e-04	
6	1	39	-0.28	-0.35	-0.28	-0.35		-2.11e-03	-2.70e-03	-2.11e-03	-2.70e-03	
6	1	46	0.36	-0.17	5.53e-02	0.13	-0.26	-5.68e-04	-3.45e-03	-3.45e-03	-5.76e-04	-1.46e-04
6	1	47	-0.10	-0.50	-0.25	-0.35	-0.19	-2.25e-03	-2.47e-03	-2.30e-03	-2.42e-03	8.59e-05
6	1	54	0.63	-0.43	6.39e-02	0.14	-0.53	-2.09e-03	-3.08e-03	-2.97e-03	-2.20e-03	-3.08e-04
6	1	55	0.14	-0.65	-0.15	-0.37	-0.38	-8.53e-04	-3.95e-03	-3.92e-03	-8.81e-04	2.94e-04
6	1	62	0.96	-0.61	9.37e-02	0.26	-0.78	2.95e-02	-1.96e-03	-3.56e-04	2.79e-02	6.92e-03
6	1	63	0.41	-0.85	2.02e-03	-0.45	-0.59	-2.32e-02	-3.35e-02	-2.57e-02	-3.09e-02	-4.46e-03
6	1	70	0.56	-1.07	-0.29	-0.23	-0.81	3.28e-02	1.56e-02	3.07e-02	1.77e-02	-5.65e-03
6	1	71	1.28	-0.39	0.59	0.30	-0.82	5.31e-02	-1.16e-03	5.18e-02	1.71e-04	8.38e-03
6	2	11	0.96	-0.61	9.37e-02	0.26	0.78	2.95e-02	-1.96e-03	-3.56e-04	2.79e-02	-6.92e-03
6	2	12	0.56	-1.07	-0.29	-0.23	0.81	3.28e-02	1.56e-02	3.07e-02	1.77e-02	5.65e-03
6	2	13	0.41	-0.85	2.02e-03	-0.45	0.59	-2.32e-02	-3.35e-02	-2.57e-02	-3.09e-02	4.46e-03
6	2	14	1.28	-0.39	0.59	0.30	0.82	5.31e-02	-1.16e-03	5.18e-02	1.71e-04	-8.38e-03
6	2	22	0.63	-0.43	6.39e-02	0.14	0.53	-2.09e-03	-3.08e-03	-2.97e-03	-2.20e-03	3.08e-04
6	2	23	0.14	-0.65	-0.15	-0.37	0.38	-8.53e-04	-3.95e-03	-3.92e-03	-8.81e-04	-2.94e-04
6	2	30	0.36	-0.17	5.53e-02	0.13	0.26	-5.68e-04	-3.45e-03	-3.45e-03	-5.76e-04	1.46e-04
6	2	31	-0.10	-0.50	-0.25	-0.35	0.19	-2.25e-03	-2.47e-03	-2.30e-03	-2.42e-03	-8.59e-05
6	2	38	0.13	5.46e-02	5.46e-02	0.13		-3.97e-04	-3.65e-03	-3.65e-03	-3.97e-04	
6	2	39	-0.28	-0.35	-0.28	-0.35		-2.11e-03	-2.70e-03	-2.11e-03	-2.70e-03	
6	2	46	0.36	-0.17	5.53e-02	0.13	-0.26	-5.68e-04	-3.45e-03	-3.45e-03	-5.76e-04	-1.46e-04
6	2	47	-0.10	-0.50	-0.25	-0.35	-0.19	-2.25e-03	-2.47e-03	-2.30e-03	-2.42e-03	8.59e-05
6	2	54	0.63	-0.43	6.39e-02	0.14	-0.53	-2.09e-03	-3.08e-03	-2.97e-03	-2.20e-03	-3.08e-04
6	2	55	0.14	-0.65	-0.15	-0.37	-0.38	-8.53e-04	-3.95e-03	-3.92e-03	-8.81e-04	2.94e-04
6	2	62	0.96	-0.61	9.37e-02	0.26	-0.78	2.95e-02	-1.96e-03	-3.56e-04	2.79e-02	6.92e-03
6	2	63	0.41	-0.85	2.02e-03	-0.45	-0.59	-2.32e-02	-3.35e-02	-2.57e-02	-3.09e-02	-4.46e-03
6	2	70	0.56	-1.07	-0.29	-0.23	-0.81	3.28e-02	1.56e-02	3.07e-02	1.77e-02	-5.65e-03
6	2	71	1.28	-0.39	0.59	0.30	-0.82	5.31e-02	-1.16e-03	5.18e-02	1.71e-04	8.38e-03
6	3	11	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
6	3	12	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
6	3	13	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
6	3	14	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
6	3	22	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
6	3	23	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
6	3	30	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
6	3	31	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
6	3	38	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
6	3	39	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
6	3	46	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
6	3	47	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
6	3	54	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
6	3	55	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
6	3	62	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
6	3	63	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
6	3	70	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
6	3	71	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
6	4	11	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
6	4	12	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
6	4	13	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
6	4	14	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
6	4	22	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
6	4	23	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
6	4	30	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
6	4	31	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
6	4	38	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
6	4	39	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
6	4	46	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
6	4	47	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
6	4	54	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
6	4	55	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
6	4	62	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
6	4	63	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
6	4	70	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
6	4	71	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
6	5	11	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
6	5	12	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
6	5	13	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
6	5	14	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
6	5	22	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
6	5	23	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
6	5	30	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
6	5	31	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
6	5	38	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
6	5	39	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	

6	5	46	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
6	5	47	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
6	5	54	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
6	5	55	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
6	5	62	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
6	5	63	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
6	5	70	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
6	5	71	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
6	6	11	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
6	6	12	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
6	6	13	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
6	6	14	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
6	6	22	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
6	6	23	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
6	6	30	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
6	6	31	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
6	6	38	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
6	6	39	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
6	6	46	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
6	6	47	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
6	6	54	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
6	6	55	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
6	6	62	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
6	6	63	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
6	6	70	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
6	6	71	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
6	7	11	29.07	4.86	4.93	29.00	-1.31	1.75	0.37	1.75	0.38	8.75e-02
6	7	12	9.77	-5.91	4.39	-0.53	7.45	-0.71	-3.73	-3.71	-0.73	-0.25
6	7	13	28.63	4.64	4.93	28.35	2.61	1.72	0.31	1.71	0.31	-9.47e-02
6	7	14	9.25	-3.79	5.50	-3.89e-02	-5.90	-0.72	-3.67	-3.65	-0.74	0.25
6	7	22	28.66	5.06	5.06	28.66	4.86e-02	9.02e-02	2.56e-02	8.97e-02	2.61e-02	5.84e-03
6	7	23	28.22	4.78	4.81	28.20	0.82	8.17e-02	1.25e-02	8.03e-02	1.39e-02	-9.62e-03
6	7	30	28.10	5.13	5.13	28.10	0.28	2.25e-02	8.47e-03	1.60e-02	1.49e-02	-7.00e-03
6	7	31	27.66	4.74	4.74	27.66	0.15	1.21e-02	-3.28e-03	1.02e-02	-1.41e-03	5.03e-03
6	7	38	28.06	5.16	5.16	28.06	1.73e-03	2.70e-02	1.83e-02	2.70e-02	1.83e-02	-3.63e-05
6	7	39	27.62	4.72	4.72	27.62	1.73e-03	2.17e-02	4.28e-04	2.17e-02	4.28e-04	2.34e-05
6	7	46	28.11	5.13	5.14	28.10	-0.28	2.26e-02	8.56e-03	1.62e-02	1.50e-02	7.00e-03
6	7	47	27.66	4.74	4.75	27.66	-0.15	1.22e-02	-3.24e-03	1.03e-02	-1.38e-03	-5.02e-03
6	7	54	28.67	5.06	5.06	28.67	-4.88e-02	9.05e-02	2.57e-02	9.00e-02	2.62e-02	-5.84e-03
6	7	55	28.23	4.79	4.82	28.20	-0.82	8.19e-02	1.26e-02	8.06e-02	1.40e-02	9.62e-03
6	7	62	29.08	4.86	4.93	29.01	1.31	1.75	0.37	1.75	0.38	-8.75e-02
6	7	63	28.64	4.64	4.93	28.35	-2.61	1.72	0.31	1.71	0.31	9.47e-02
6	7	70	9.78	-5.92	4.39	-0.53	-7.45	-0.71	-3.73	-3.71	-0.73	0.25
6	7	71	9.25	-3.78	5.51	-3.88e-02	5.90	-0.72	-3.67	-3.65	-0.74	-0.25
6	8	11	-0.22	-4.87	-0.45	-4.64	1.00	2.09e-02	-0.41	-0.31	-8.13e-02	0.18
6	8	12	-7.79e-02	-1.57	-1.19	-0.46	0.65	0.56	0.15	0.56	0.15	9.63e-03
6	8	13	-1.82	-7.47	-3.32	-5.97	2.50	6.23e-02	-0.28	-0.27	4.43e-02	-7.69e-02
6	8	14	1.78	-6.63	-4.47	-0.38	3.68	0.10	-7.16e-02	9.08e-02	-6.17e-02	4.01e-02
6	8	22	-0.79	-4.34	-0.80	-4.33	0.20	1.44e-02	-0.34	-5.21e-02	-0.27	0.14
6	8	23	0.33	-6.47	-0.49	-5.66	2.21	0.65	0.21	0.21	0.65	-1.96e-02
6	8	30	-0.83	-4.18	-0.83	-4.18	1.64e-02	-4.14e-02	-0.39	-5.77e-02	-0.37	7.35e-02
6	8	31	1.38	-5.71	1.17	-5.50	1.20	0.90	0.28	0.28	0.90	-5.08e-03
6	8	38	-0.82	-4.18	-0.82	-4.18	-1.72e-03	-6.74e-02	-0.41	-6.74e-02	-0.41	5.90e-05
6	8	39	1.70	-5.51	1.70	-5.51	-1.72e-03	0.99	0.30	0.30	0.99	2.15e-05
6	8	46	-0.84	-4.19	-0.84	-4.19	-1.87e-02	-4.14e-02	-0.39	-5.78e-02	-0.37	-7.35e-02
6	8	47	1.38	-5.72	1.17	-5.51	-1.21	0.90	0.28	0.28	0.90	5.10e-03
6	8	54	-0.79	-4.35	-0.80	-4.33	-0.20	1.42e-02	-0.34	-5.23e-02	-0.27	-0.14
6	8	55	0.32	-6.48	-0.49	-5.67	-2.21	0.65	0.21	0.21	0.65	1.96e-02
6	8	62	-0.23	-4.87	-0.46	-4.64	-1.00	2.09e-02	-0.41	-0.31	-8.13e-02	-0.18
6	8	63	-1.83	-7.48	-3.32	-5.98	-2.49	6.22e-02	-0.28	-0.27	4.43e-02	7.68e-02
6	8	70	-8.13e-02	-1.57	-1.19	-0.46	-0.65	0.56	0.15	0.56	0.15	-9.63e-03
6	8	71	1.78	-6.63	-4.47	-0.38	-3.68	0.10	-7.15e-02	9.12e-02	-6.16e-02	-4.01e-02
6	9	11	31.74	5.30	5.38	31.66	-1.49	1.91	0.41	1.91	0.41	9.61e-02
6	9	12	10.64	-6.38	4.82	-0.57	8.07	-0.78	-4.07	-4.05	-0.80	-0.28
6	9	13	31.30	5.08	5.38	30.99	2.81	1.88	0.34	1.87	0.35	-0.10
6	9	14	10.13	-4.22	5.97	-6.31e-02	-6.51	-0.79	-4.01	-3.99	-0.81	0.27
6	9	22	31.29	5.52	5.52	31.29	1.42e-02	9.87e-02	2.81e-02	9.81e-02	2.87e-02	6.35e-03
6	9	23	30.85	5.24	5.27	30.82	0.86	8.94e-02	1.37e-02	8.80e-02	1.52e-02	-1.05e-02
6	9	30	30.68	5.60	5.60	30.68	0.29	2.48e-02	9.39e-03	1.78e-02	1.64e-02	-7.66e-03
6	9	31	30.23	5.20	5.20	30.23	0.15	1.34e-02	-3.42e-03	1.13e-02	-1.38e-03	5.48e-03
6	9	38	30.64	5.63	5.63	30.64	1.72e-03	2.97e-02	2.00e-02	2.97e-02	2.00e-02	-5.90e-05
6	9	39	30.19	5.18	5.18	30.19	1.72e-03	2.38e-02	6.38e-04	2.38e-02	6.38e-04	-2.15e-05
6	9	46	30.69	5.60	5.60	30.68	-0.29	2.48e-02	9.44e-03	1.79e-02	1.64e-02	7.66e-03
6	9	47	30.24	5.20	5.20	30.23	-0.15	1.35e-02	-3.39e-03	1.14e-02	-1.34e-03	-5.51e-03
6	9	54	31.30	5.52	5.52	31.30	-1.44e-02	9.90e-02	2.82e-02	9.84e-02	2.87e-02	-6.36e-02
6	9	55	30.86	5.24	5.27	30.83	-0.86	8.97e-02	1.38e-02	8.82e-02	1.53e-02	1.05e-02
6	9	62	31.74	5.30	5.38	31.66	1.48	1.91	0.41	1.91	0.41	-9.61e-02

6	9	63	31.30	5.08	5.39	31.00	-2.81	1.88	0.34	1.87	0.35	0.10
6	9	70	10.64	-6.39	4.82	-0.57	-8.08	-0.78	-4.07	-4.05	-0.80	0.28
6	9	71	10.12	-4.21	5.97	-6.29e-02	6.50	-0.79	-4.01	-3.99	-0.81	-0.27
6	10	11	0.30	-2.28	-3.94e-03	-1.98	0.83	0.10	-0.29	-0.14	-4.83e-02	0.19
6	10	12	0.66	-1.91	-0.76	-0.49	1.28	0.22	8.18e-02	0.21	8.33e-02	-1.41e-02
6	10	13	-0.39	-5.80	-2.86	-3.33	2.69	0.11	-0.14	-0.11	7.55e-02	-8.59e-02
6	10	14	1.36	-5.77	-4.00	-0.41	3.08	-0.10	-0.28	-0.25	-0.13	6.34e-02
6	10	22	-0.32	-1.71	-0.34	-1.70	0.16	2.22e-02	-0.34	-4.36e-02	-0.27	0.14
6	10	23	1.17	-4.24	-3.21e-02	-3.04	2.25	0.65	0.22	0.22	0.65	-2.05e-02
6	10	30	-0.37	-1.60	-0.37	-1.60	2.30e-02	-3.99e-02	-0.39	-5.60e-02	-0.37	7.28e-02
6	10	31	1.92	-3.23	1.62	-2.93	1.20	0.90	0.28	0.28	0.90	-4.62e-03
6	10	38	-0.35	-1.61	-0.35	-1.61	-1.73e-03	-6.47e-02	-0.41	-6.47e-02	-0.41	3.63e-05
6	10	39	2.15	-2.94	2.15	-2.94	-1.73e-03	0.99	0.30	0.30	0.99	-2.34e-05
6	10	46	-0.37	-1.61	-0.37	-1.61	-2.54e-02	-4.00e-02	-0.39	-5.61e-02	-0.37	-7.28e-02
6	10	47	1.92	-3.23	1.62	-2.93	-1.21	0.90	0.28	0.28	0.90	4.61e-03
6	10	54	-0.32	-1.72	-0.34	-1.70	-0.16	2.19e-02	-0.34	-4.40e-02	-0.27	-0.14
6	10	55	1.17	-4.25	-3.37e-02	-3.04	-2.25	0.65	0.22	0.22	0.65	2.05e-02
6	10	62	0.29	-2.29	-5.74e-03	-1.99	-0.82	0.10	-0.29	-0.14	-4.83e-02	-0.19
6	10	63	-0.40	-5.80	-2.87	-3.34	-2.69	0.11	-0.14	-0.11	7.55e-02	8.59e-02
6	10	70	0.65	-1.91	-0.76	-0.49	-1.27	0.22	8.19e-02	0.21	8.34e-02	1.41e-02
6	10	71	1.36	-5.76	-4.00	-0.41	-3.07	-0.10	-0.28	-0.25	-0.13	-6.34e-02
6	11	11	29.08	4.86	4.93	29.01	-1.31	1.75	0.37	1.75	0.38	8.75e-02
6	11	12	9.78	-5.92	4.39	-0.53	7.45	-0.71	-3.73	-3.71	-0.73	-0.25
6	11	13	28.64	4.64	4.93	28.35	2.61	1.72	0.31	1.71	0.31	-9.47e-02
6	11	14	9.25	-3.78	5.51	-3.87e-02	-5.90	-0.72	-3.67	-3.65	-0.74	0.25
6	11	22	28.67	5.06	5.06	28.67	4.88e-02	9.05e-02	2.56e-02	9.00e-02	2.62e-02	5.85e-03
6	11	23	28.23	4.79	4.82	28.20	0.82	8.19e-02	1.26e-02	8.06e-02	1.40e-02	-9.61e-03
6	11	30	28.11	5.13	5.14	28.10	0.28	2.26e-02	8.53e-03	1.61e-02	1.50e-02	-7.00e-02
6	11	31	27.66	4.75	4.75	27.66	0.15	1.22e-02	-3.25e-03	1.03e-02	-1.38e-03	5.04e-03
6	11	38	28.06	5.16	5.16	28.06	-1.71e-03	2.70e-02	1.83e-02	2.70e-02	1.83e-02	5.90e-05
6	11	39	27.62	4.72	4.72	27.62	-1.71e-03	2.18e-02	4.28e-04	2.18e-02	4.28e-04	2.17e-05
6	11	46	28.10	5.13	5.13	28.10	-0.28	2.25e-02	8.49e-03	1.61e-02	1.50e-02	7.00e-03
6	11	47	27.66	4.74	4.74	27.66	-0.15	1.21e-02	-3.28e-03	1.02e-02	-1.42e-03	-5.01e-03
6	11	54	28.66	5.06	5.06	28.66	-4.86e-02	9.02e-02	2.56e-02	8.97e-02	2.61e-02	-5.84e-03
6	11	55	28.22	4.78	4.81	28.20	-0.82	8.17e-02	1.25e-02	8.03e-02	1.39e-02	9.63e-03
6	11	62	29.07	4.86	4.93	29.00	1.31	1.75	0.37	1.75	0.38	-8.75e-02
6	11	63	28.63	4.64	4.93	28.35	-2.61	1.72	0.31	1.71	0.31	9.47e-02
6	11	70	9.77	-5.91	4.39	-0.53	-7.45	-0.71	-3.73	-3.71	-0.73	0.25
6	11	71	9.25	-3.79	5.50	-3.89e-02	5.90	-0.72	-3.67	-3.65	-0.74	-0.25
6	12	11	-0.23	-4.87	-0.45	-4.64	1.00	2.09e-02	-0.41	-0.31	-8.14e-02	0.18
6	12	12	-8.11e-02	-1.57	-1.19	-0.46	0.65	0.56	0.15	0.56	0.15	9.63e-03
6	12	13	-1.83	-7.48	-3.32	-5.98	2.49	6.22e-02	-0.28	-0.27	4.43e-02	-7.69e-02
6	12	14	1.78	-6.63	-4.47	-0.38	3.68	0.10	-7.15e-02	9.12e-02	-6.16e-02	4.01e-02
6	12	22	-0.79	-4.35	-0.80	-4.33	0.20	1.42e-02	-0.34	-5.24e-02	-0.27	0.14
6	12	23	0.32	-6.48	-0.49	-5.67	2.21	0.65	0.21	0.21	0.65	-1.96e-02
6	12	30	-0.84	-4.19	-0.84	-4.19	1.87e-02	-4.14e-02	-0.39	-5.78e-02	-0.37	7.35e-02
6	12	31	1.38	-5.72	1.17	-5.51	1.21	0.90	0.28	0.28	0.90	-5.08e-03
6	12	38	-0.82	-4.18	-0.82	-4.18	1.72e-03	-6.74e-02	-0.41	-6.74e-02	-0.41	-3.63e-05
6	12	39	1.70	-5.51	1.70	-5.51	1.72e-03	0.99	0.30	0.30	0.99	2.33e-05
6	12	46	-0.83	-4.18	-0.83	-4.18	-1.63e-02	-4.13e-02	-0.39	-5.77e-02	-0.37	-7.35e-02
6	12	47	1.38	-5.71	1.17	-5.50	-1.20	0.90	0.28	0.28	0.90	5.09e-03
6	12	54	-0.79	-4.34	-0.80	-4.33	-0.20	1.45e-02	-0.34	-5.20e-02	-0.27	-0.14
6	12	55	0.33	-6.47	-0.49	-5.66	-2.21	0.65	0.21	0.21	0.65	1.96e-02
6	12	62	-0.22	-4.87	-0.45	-4.64	-1.00	2.10e-02	-0.41	-0.31	-8.13e-02	-0.18
6	12	63	-1.82	-7.47	-3.32	-5.97	-2.50	6.23e-02	-0.28	-0.27	4.43e-02	7.69e-02
6	12	70	-7.80e-02	-1.57	-1.19	-0.46	-0.65	0.56	0.15	0.56	0.15	-9.63e-03
6	12	71	1.78	-6.63	-4.47	-0.38	-3.68	0.10	-7.16e-02	9.08e-02	-6.17e-02	-4.01e-02
6	13	11	31.74	5.30	5.38	31.66	-1.48	1.91	0.41	1.91	0.41	9.61e-02
6	13	12	10.64	-6.39	4.82	-0.57	8.08	-0.78	-4.07	-4.05	-0.80	-0.28
6	13	13	31.30	5.08	5.39	31.00	2.81	1.88	0.34	1.87	0.35	-0.10
6	13	14	10.12	-4.21	5.97	-6.30e-02	-6.50	-0.79	-4.01	-3.99	-0.81	0.27
6	13	22	31.30	5.52	5.52	31.30	1.44e-02	9.90e-02	2.82e-02	9.84e-02	2.87e-02	6.36e-03
6	13	23	30.86	5.24	5.27	30.83	0.86	8.97e-02	1.38e-02	8.82e-02	1.53e-02	-1.05e-02
6	13	30	30.69	5.60	5.60	30.68	0.29	2.48e-02	9.46e-03	1.79e-02	1.64e-02	-7.66e-03
6	13	31	30.24	5.20	5.20	30.23	0.15	1.35e-02	-3.38e-03	1.14e-02	-1.34e-03	5.49e-03
6	13	38	30.64	5.63	5.63	30.64	-1.72e-03	2.97e-02	2.00e-02	2.97e-02	2.00e-02	3.63e-05
6	13	39	30.19	5.18	5.18	30.19	-1.72e-03	2.38e-02	6.39e-04	2.38e-02	6.39e-04	-2.33e-05
6	13	46	30.68	5.60	5.60	30.68	-0.29	2.48e-02	9.37e-03	1.78e-02	1.64e-02	7.66e-03
6	13	47	30.23	5.20	5.20	30.23	-0.15	1.34e-02	-3.42e-03	1.13e-02	-1.38e-03	-5.50e-03
6	13	54	31.29	5.52	5.52	31.29	-1.42e-02	9.87e-02	2.81e-02	9.81e-02	2.86e-02	-6.36e-03
6	13	55	30.85	5.24	5.27	30.82	-0.86	8.94e-02	1.37e-02	8.79e-02	1.52e-02	1.05e-02
6	13	62	31.74	5.30	5.38	31.66	1.49	1.91	0.41	1.91	0.41	-9.61e-02
6	13	63	31.30	5.08	5.38	30.99	-2.81	1.88	0.34	1.87	0.35	0.10
6	13	70	10.64	-6.38	4.82	-0.57	-8.07	-0.78	-4.07	-4.05	-0.80	0.28
6	13	71	10.13	-4.22	5.97	-6.31e-02	6.51	-0.79	-4.01	-3.99	-0.81	-0.27
6	14	11	0.29	-2.29	-6.24e-03	-1.99	0.82	0.10	-0.29	-0.14	-4.83e-02	0.19
6	14	12	0.65	-1.91	-0.76	-0.49	1.27	0.22	8.19e-02	0.21	8.34e-02	-1.41e-02

6	14	13	-0.40	-5.80	-2.87	-3.34	2.69	0.11	-0.14	-0.11	7.55e-02	-8.59e-02
6	14	14	1.36	-5.76	-4.00	-0.41	3.07	-0.10	-0.28	-0.25	-0.13	6.34e-02
6	14	22	-0.32	-1.72	-0.34	-1.70	0.16	2.19e-02	-0.34	-4.39e-02	-0.27	0.14
6	14	23	1.17	-4.25	-3.42e-02	-3.04	2.25	0.65	0.22	0.22	0.65	-2.05e-02
6	14	30	-0.37	-1.61	-0.37	-1.61	2.54e-02	-4.00e-02	-0.39	-5.61e-02	-0.37	7.28e-02
6	14	31	1.92	-3.23	1.62	-2.93	1.21	0.90	0.28	0.28	0.90	-4.63e-03
6	14	38	-0.35	-1.61	-0.35	-1.61	1.71e-03	-6.47e-02	-0.41	-6.47e-02	-0.41	-5.90e-05
6	14	39	2.15	-2.94	2.15	-2.94	1.71e-03	0.99	0.30	0.30	0.99	-2.17e-05
6	14	46	-0.37	-1.60	-0.37	-1.60	-2.30e-02	-3.99e-02	-0.39	-5.60e-02	-0.37	-7.28e-02
6	14	47	1.92	-3.23	1.63	-2.93	-1.20	0.90	0.28	0.28	0.90	4.61e-03
6	14	54	-0.32	-1.71	-0.34	-1.70	-0.16	2.22e-02	-0.34	-4.36e-02	-0.27	-0.14
6	14	55	1.17	-4.24	-3.15e-02	-3.04	-2.25	0.65	0.22	0.22	0.65	2.05e-02
6	14	62	0.30	-2.28	-3.41e-03	-1.98	-0.83	0.10	-0.29	-0.14	-4.83e-02	-0.19
6	14	63	-0.39	-5.80	-2.86	-3.33	-2.69	0.11	-0.14	-0.11	7.55e-02	8.59e-02
6	14	70	0.66	-1.91	-0.76	-0.49	-1.28	0.22	8.18e-02	0.21	8.33e-02	1.41e-02
6	14	71	1.36	-5.77	-4.00	-0.41	-3.08	-0.10	-0.28	-0.25	-0.13	-6.34e-02
6	15	11	29.07	4.86	4.93	29.00	-1.31	1.75	0.37	1.75	0.38	8.75e-02
6	15	12	9.77	-5.91	4.39	-0.53	7.45	-0.71	-3.73	-3.71	-0.73	-0.25
6	15	13	28.63	4.64	4.93	28.35	2.61	1.72	0.31	1.71	0.31	-9.47e-02
6	15	14	9.25	-3.79	5.50	-3.89e-02	-5.90	-0.72	-3.67	-3.65	-0.74	0.25
6	15	22	28.66	5.06	5.06	28.66	4.86e-02	9.02e-02	2.56e-02	8.97e-02	2.61e-02	5.84e-03
6	15	23	28.22	4.78	4.81	28.20	0.82	8.17e-02	1.25e-02	8.03e-02	1.39e-02	-9.63e-03
6	15	30	28.10	5.13	5.13	28.10	0.28	2.25e-02	8.47e-03	1.60e-02	1.49e-02	-7.00e-03
6	15	31	27.66	4.74	4.74	27.66	0.15	1.21e-02	-3.27e-03	1.02e-02	-1.41e-03	5.01e-03
6	15	38	28.06	5.16	5.16	28.06	1.73e-03	2.70e-02	1.83e-02	2.70e-02	1.83e-02	-5.68e-05
6	15	39	27.62	4.72	4.72	27.62	1.73e-03	2.18e-02	4.28e-04	2.18e-02	4.28e-04	-2.04e-05
6	15	46	28.11	5.13	5.14	28.10	-0.28	2.26e-02	8.55e-03	1.62e-02	1.50e-02	7.00e-03
6	15	47	27.66	4.74	4.75	27.66	-0.15	1.22e-02	-3.25e-03	1.03e-02	-1.38e-03	-5.04e-03
6	15	54	28.67	5.06	5.06	28.67	-4.87e-02	9.05e-02	2.57e-02	9.00e-02	2.62e-02	-5.85e-03
6	15	55	28.23	4.79	4.82	28.20	-0.82	8.19e-02	1.26e-02	8.06e-02	1.40e-02	9.61e-03
6	15	62	29.08	4.86	4.93	29.01	1.31	1.75	0.37	1.75	0.38	-8.75e-02
6	15	63	28.64	4.64	4.93	28.35	-2.61	1.72	0.31	1.71	0.31	9.47e-02
6	15	70	9.78	-5.92	4.39	-0.53	-7.45	-0.71	-3.73	-3.71	-0.73	0.25
6	15	71	9.25	-3.78	5.51	-3.88e-02	5.90	-0.72	-3.67	-3.65	-0.74	-0.25
6	16	11	-0.22	-4.87	-0.45	-4.64	1.00	2.09e-02	-0.41	-0.31	-8.13e-02	0.18
6	16	12	-7.79e-02	-1.57	-1.19	-0.46	0.65	0.56	0.15	0.56	0.15	9.63e-03
6	16	13	-1.82	-7.47	-3.32	-5.97	2.50	6.23e-02	-0.28	-0.27	4.43e-02	-7.69e-02
6	16	14	1.78	-6.63	-4.47	-0.38	3.68	0.10	-7.16e-02	9.08e-02	-6.17e-02	4.01e-02
6	16	22	-0.79	-4.34	-0.80	-4.33	0.20	1.44e-02	-0.34	-5.21e-02	-0.27	0.14
6	16	23	0.33	-6.47	-0.49	-5.66	2.21	0.65	0.21	0.21	0.65	-1.96e-02
6	16	30	-0.83	-4.18	-0.83	-4.18	1.64e-02	-4.13e-02	-0.39	-5.77e-02	-0.37	7.35e-02
6	16	31	1.38	-5.71	1.17	-5.50	1.20	0.90	0.28	0.28	0.90	-5.09e-03
6	16	38	-0.82	-4.18	-0.82	-4.18	-1.72e-03	-6.74e-02	-0.41	-6.74e-02	-0.41	3.85e-05
6	16	39	1.70	-5.51	1.70	-5.51	-1.72e-03	0.99	0.30	0.30	0.99	-2.23e-05
6	16	46	-0.84	-4.19	-0.84	-4.19	-1.87e-02	-4.14e-02	-0.39	-5.78e-02	-0.37	-7.35e-02
6	16	47	1.38	-5.72	1.17	-5.51	-1.21	0.90	0.28	0.28	0.90	5.09e-03
6	16	54	-0.79	-4.35	-0.80	-4.33	-0.20	1.42e-02	-0.34	-5.23e-02	-0.27	-0.14
6	16	55	0.32	-6.48	-0.49	-5.67	-2.21	0.65	0.21	0.21	0.65	1.96e-02
6	16	62	-0.23	-4.87	-0.46	-4.64	-1.00	2.09e-02	-0.41	-0.31	-8.13e-02	-0.18
6	16	63	-1.83	-7.48	-3.32	-5.98	-2.49	6.22e-02	-0.28	-0.27	4.43e-02	7.69e-02
6	16	70	-8.13e-02	-1.57	-1.19	-0.46	-0.65	0.56	0.15	0.56	0.15	-9.63e-03
6	16	71	1.78	-6.63	-4.47	-0.38	-3.68	0.10	-7.15e-02	9.12e-02	-6.16e-02	-4.01e-02
6	17	11	31.74	5.30	5.38	31.66	-1.49	1.91	0.41	1.91	0.41	9.61e-02
6	17	12	10.64	-6.38	4.82	-0.57	8.07	-0.78	-4.07	-4.05	-0.80	-0.28
6	17	13	31.30	5.08	5.38	30.99	2.81	1.88	0.34	1.87	0.35	-0.10
6	17	14	10.13	-4.22	5.97	-6.31e-02	-6.51	-0.79	-4.01	-3.99	-0.81	0.27
6	17	22	31.29	5.52	5.52	31.29	1.42e-02	9.87e-02	2.81e-02	9.81e-02	2.87e-02	6.36e-03
6	17	23	30.85	5.24	5.27	30.82	0.86	8.94e-02	1.37e-02	8.80e-02	1.52e-02	-1.05e-02
6	17	30	30.68	5.60	5.60	30.68	0.29	2.48e-02	9.39e-03	1.78e-02	1.64e-02	-7.66e-03
6	17	31	30.23	5.20	5.20	30.23	0.15	1.34e-02	-3.43e-03	1.13e-02	-1.38e-03	5.50e-03
6	17	38	30.64	5.63	5.63	30.64	1.72e-03	2.97e-02	2.00e-02	2.97e-02	2.00e-02	-3.85e-05
6	17	39	30.19	5.18	5.18	30.19	1.72e-03	2.38e-02	6.38e-04	2.38e-02	6.38e-04	2.23e-05
6	17	46	30.69	5.60	5.60	30.68	-0.29	2.48e-02	9.44e-03	1.79e-02	1.64e-02	7.66e-03
6	17	47	30.24	5.20	5.20	30.23	-0.15	1.35e-02	-3.37e-03	1.14e-02	-1.34e-03	-5.49e-03
6	17	54	31.30	5.52	5.52	31.30	-1.44e-02	9.90e-02	2.82e-02	9.84e-02	2.87e-02	-6.36e-03
6	17	55	30.86	5.24	5.27	30.83	-0.86	8.97e-02	1.38e-02	8.82e-02	1.53e-02	1.05e-02
6	17	62	31.74	5.30	5.38	31.66	1.48	1.91	0.41	1.91	0.41	-9.61e-02
6	17	63	31.30	5.08	5.39	31.00	-2.81	1.88	0.34	1.87	0.35	0.10
6	17	70	10.64	-6.39	4.82	-0.57	-8.08	-0.78	-4.07	-4.05	-0.80	0.28
6	17	71	10.12	-4.21	5.97	-6.29e-02	6.50	-0.79	-4.01	-3.99	-0.81	-0.27
6	18	11	0.30	-2.28	-3.93e-03	-1.98	0.83	0.10	-0.29	-0.14	-4.83e-02	0.19
6	18	12	0.66	-1.91	-0.76	-0.49	1.28	0.22	8.18e-02	0.21	8.33e-02	-1.41e-02
6	18	13	-0.39	-5.80	-2.86	-3.33	2.69	0.11	-0.14	-0.11	7.55e-02	-8.59e-02
6	18	14	1.36	-5.77	-4.00	-0.41	3.08	-0.10	-0.28	-0.25	-0.13	6.34e-02
6	18	22	-0.32	-1.71	-0.34	-1.70	0.16	2.22e-02	-0.34	-4.36e-02	-0.27	0.14
6	18	23	1.17	-4.24	-3.20e-02	-3.04	2.25	0.65	0.22	0.22	0.65	-2.05e-02
6	18	30	-0.37	-1.60	-0.37	-1.60	2.30e-02	-3.99e-02	-0.39	-5.60e-02	-0.37	7.28e-02

6	18	31	1.92	-3.23	1.62	-2.93	1.20	0.90	0.28	0.28	0.90	-4.61e-03
6	18	38	-0.35	-1.61	-0.35	-1.61	-1.73e-03	-6.47e-02	-0.41	-6.47e-02	-0.41	5.68e-05
6	18	39	2.15	-2.94	2.15	-2.94	-1.73e-03	0.99	0.30	0.30	0.99	2.04e-05
6	18	46	-0.37	-1.61	-0.37	-1.61	-2.54e-02	-4.00e-02	-0.39	-5.61e-02	-0.37	-7.28e-02
6	18	47	1.92	-3.23	1.62	-2.93	-1.21	0.90	0.28	0.28	0.90	4.63e-03
6	18	54	-0.32	-1.72	-0.34	-1.70	-0.16	2.19e-02	-0.34	-4.40e-02	-0.27	-0.14
6	18	55	1.17	-4.25	-3.37e-02	-3.04	-2.25	0.65	0.22	0.22	0.65	2.05e-02
6	18	62	0.29	-2.29	-5.76e-03	-1.99	-0.82	0.10	-0.29	-0.14	-4.83e-02	-0.19
6	18	63	-0.40	-5.80	-2.87	-3.34	-2.69	0.11	-0.14	-0.11	7.55e-02	8.59e-02
6	18	70	0.65	-1.91	-0.76	-0.49	-1.27	0.22	8.19e-02	0.21	8.34e-02	1.41e-02
6	18	71	1.36	-5.76	-4.00	-0.41	-3.07	-0.10	-0.28	-0.25	-0.13	-6.34e-02
6	19	11	29.08	4.86	4.93	29.01	-1.31	1.75	0.37	1.75	0.38	8.75e-02
6	19	12	9.78	-5.92	4.39	-0.53	7.45	-0.71	-3.73	-3.71	-0.73	-0.25
6	19	13	28.64	4.64	4.93	28.35	2.61	1.72	0.31	1.71	0.31	-9.47e-02
6	19	14	9.25	-3.78	5.51	-3.87e-02	-5.90	-0.72	-3.67	-3.65	-0.74	0.25
6	19	22	28.67	5.06	5.06	28.67	4.88e-02	9.05e-02	2.57e-02	9.00e-02	2.62e-02	5.84e-03
6	19	23	28.23	4.79	4.82	28.20	0.82	8.19e-02	1.26e-02	8.06e-02	1.40e-02	-9.62e-03
6	19	30	28.11	5.13	5.14	28.10	0.28	2.26e-02	8.54e-03	1.61e-02	1.50e-02	-7.00e-03
6	19	31	27.66	4.75	4.75	27.66	0.15	1.22e-02	-3.23e-03	1.03e-02	-1.38e-03	5.02e-03
6	19	38	28.06	5.16	5.16	28.06	-1.71e-03	2.70e-02	1.83e-02	2.70e-02	1.83e-02	3.85e-05
6	19	39	27.62	4.72	4.72	27.62	-1.71e-03	2.18e-02	4.28e-04	2.18e-02	4.28e-04	-2.21e-05
6	19	46	28.10	5.13	5.13	28.10	-0.28	2.25e-02	8.49e-03	1.61e-02	1.50e-02	7.00e-03
6	19	47	27.66	4.74	4.74	27.66	-0.15	1.21e-02	-3.29e-03	1.02e-02	-1.42e-03	-5.03e-03
6	19	54	28.66	5.06	5.06	28.66	-4.86e-02	9.02e-02	2.56e-02	8.97e-02	2.61e-02	-5.84e-03
6	19	55	28.22	4.78	4.81	28.20	-0.82	8.17e-02	1.25e-02	8.03e-02	1.39e-02	9.62e-03
6	19	62	29.07	4.86	4.93	29.00	1.31	1.75	0.37	1.75	0.38	-8.75e-02
6	19	63	28.63	4.64	4.93	28.35	-2.61	1.72	0.31	1.71	0.31	9.47e-02
6	19	70	9.77	-5.91	4.39	-0.53	-7.45	-0.71	-3.73	-3.71	-0.73	0.25
6	19	71	9.25	-3.79	5.50	-3.89e-02	5.90	-0.72	-3.67	-3.65	-0.74	-0.25
6	20	11	-0.23	-4.87	-0.45	-4.64	1.00	2.09e-02	-0.41	-0.31	-8.14e-02	0.18
6	20	12	-8.11e-02	-1.57	-1.19	-0.46	0.65	0.56	0.15	0.56	0.15	9.63e-03
6	20	13	-1.83	-7.48	-3.32	-5.98	2.49	6.22e-02	-0.28	-0.27	4.43e-02	-7.68e-02
6	20	14	1.78	-6.63	-4.47	-0.38	3.68	0.10	-7.15e-02	9.12e-02	-6.16e-02	4.01e-02
6	20	22	-0.79	-4.35	-0.80	-4.33	0.20	1.42e-02	-0.34	-5.24e-02	-0.27	0.14
6	20	23	0.32	-6.48	-0.49	-5.67	2.21	0.65	0.21	0.21	0.65	-1.96e-02
6	20	30	-0.84	-4.19	-0.84	-4.19	1.87e-02	-4.14e-02	-0.39	-5.78e-02	-0.37	7.35e-02
6	20	31	1.38	-5.72	1.17	-5.51	1.21	0.90	0.28	0.28	0.90	-5.10e-03
6	20	38	-0.82	-4.18	-0.82	-4.18	1.72e-03	-6.74e-02	-0.41	-6.74e-02	-0.41	-5.68e-05
6	20	39	1.70	-5.51	1.70	-5.51	1.72e-03	0.99	0.30	0.30	0.99	-2.05e-05
6	20	46	-0.83	-4.18	-0.83	-4.18	-1.63e-02	-4.13e-02	-0.39	-5.77e-02	-0.37	-7.35e-02
6	20	47	1.38	-5.71	1.17	-5.50	-1.20	0.90	0.28	0.28	0.90	5.08e-03
6	20	54	-0.79	-4.34	-0.80	-4.33	-0.20	1.45e-02	-0.34	-5.20e-02	-0.27	-0.14
6	20	55	0.33	-6.47	-0.49	-5.66	-2.21	0.65	0.21	0.21	0.65	1.96e-02
6	20	62	-0.22	-4.87	-0.45	-4.64	-1.00	2.09e-02	-0.41	-0.31	-8.13e-02	-0.18
6	20	63	-1.82	-7.47	-3.32	-5.97	-2.50	6.23e-02	-0.28	-0.27	4.43e-02	7.69e-02
6	20	70	-7.80e-02	-1.57	-1.19	-0.46	-0.65	0.56	0.15	0.56	0.15	-9.63e-03
6	20	71	1.78	-6.63	-4.47	-0.38	-3.68	0.10	-7.16e-02	9.08e-02	-6.17e-02	-4.01e-02
6	21	11	31.74	5.30	5.38	31.66	-1.48	1.91	0.41	1.91	0.41	9.61e-02
6	21	12	10.64	-6.39	4.82	-0.57	8.08	-0.78	-4.07	-4.05	-0.80	-0.28
6	21	13	31.30	5.08	5.39	31.00	2.81	1.88	0.34	1.87	0.35	-0.10
6	21	14	10.12	-4.21	5.97	-6.30e-02	-6.50	-0.79	-4.01	-3.99	-0.81	0.27
6	21	22	31.30	5.52	5.52	31.30	1.44e-02	9.90e-02	2.82e-02	9.84e-02	2.87e-02	6.37e-03
6	21	23	30.86	5.24	5.27	30.83	0.86	8.97e-02	1.38e-02	8.82e-02	1.53e-02	-1.05e-02
6	21	30	30.69	5.60	5.60	30.68	0.29	2.48e-02	9.45e-03	1.79e-02	1.64e-02	-7.66e-03
6	21	31	30.24	5.20	5.20	30.23	0.15	1.35e-02	-3.39e-03	1.14e-02	-1.34e-03	5.51e-03
6	21	38	30.64	5.63	5.63	30.64	-1.72e-03	2.97e-02	2.00e-02	2.97e-02	2.00e-02	5.68e-05
6	21	39	30.19	5.18	5.18	30.19	-1.72e-03	2.38e-02	6.39e-04	2.38e-02	6.39e-04	2.05e-05
6	21	46	30.68	5.60	5.60	30.68	-0.29	2.48e-02	9.38e-03	1.78e-02	1.64e-02	7.66e-03
6	21	47	30.23	5.20	5.20	30.23	-0.15	1.34e-02	-3.41e-03	1.13e-02	-1.38e-03	-5.48e-03
6	21	54	31.29	5.52	5.52	31.29	-1.42e-02	9.87e-02	2.81e-02	9.81e-02	2.86e-02	-6.35e-03
6	21	55	30.85	5.24	5.27	30.82	-0.86	8.94e-02	1.37e-02	8.79e-02	1.52e-02	1.05e-02
6	21	62	31.74	5.30	5.38	31.66	1.49	1.91	0.41	1.91	0.41	-9.61e-02
6	21	63	31.30	5.08	5.38	30.99	-2.81	1.88	0.34	1.87	0.35	0.10
6	21	70	10.64	-6.38	4.82	-0.57	-8.07	-0.78	-4.07	-4.05	-0.80	0.28
6	21	71	10.13	-4.22	5.97	-6.31e-02	6.51	-0.79	-4.01	-3.99	-0.81	-0.27
6	22	11	0.29	-2.29	-6.22e-03	-1.99	0.82	0.10	-0.29	-0.14	-4.83e-02	0.19
6	22	12	0.65	-1.91	-0.76	-0.49	1.27	0.22	8.19e-02	0.21	8.34e-02	-1.41e-02
6	22	13	-0.40	-5.80	-2.87	-3.34	2.69	0.11	-0.14	-0.11	7.55e-02	-8.59e-02
6	22	14	1.36	-5.76	-4.00	-0.41	3.07	-0.10	-0.28	-0.25	-0.13	6.34e-02
6	22	22	-0.32	-1.72	-0.34	-1.70	0.16	2.19e-02	-0.34	-4.39e-02	-0.27	0.14
6	22	23	1.17	-4.25	-3.42e-02	-3.04	2.25	0.65	0.22	0.22	0.65	-2.05e-02
6	22	30	-0.37	-1.61	-0.37	-1.61	2.54e-02	-4.00e-02	-0.39	-5.61e-02	-0.37	7.28e-02
6	22	31	1.92	-3.23	1.62	-2.93	1.21	0.90	0.28	0.28	0.90	-4.61e-03
6	22	38	-0.35	-1.61	-0.35	-1.61	1.71e-03	-6.47e-02	-0.41	-6.47e-02	-0.41	-3.85e-05
6	22	39	2.15	-2.94	2.15	-2.94	1.71e-03	0.99	0.30	0.30	0.99	2.21e-05
6	22	46	-0.37	-1.60	-0.37	-1.60	-2.30e-02	-3.99e-02	-0.39	-5.60e-02	-0.37	-7.28e-02
6	22	47	1.92	-3.23	1.63	-2.93	-1.20	0.90	0.28	0.28	0.90	4.62e-03

6	22	54	-0.32	-1.71	-0.34	-1.70	-0.16	2.22e-02	-0.34	-4.36e-02	-0.27	-0.14
6	22	55	1.17	-4.24	-3.16e-02	-3.04	-2.25	0.65	0.22	0.22	0.65	2.05e-02
6	22	62	0.30	-2.28	-3.43e-03	-1.98	-0.83	0.10	-0.29	-0.14	-4.83e-02	-0.19
6	22	63	-0.39	-5.80	-2.86	-3.33	-2.69	0.11	-0.14	-0.11	7.55e-02	8.59e-02
6	22	70	0.66	-1.91	-0.76	-0.49	-1.28	0.22	8.18e-02	0.21	8.33e-02	1.41e-02
6	22	71	1.36	-5.77	-4.00	-0.41	-3.08	-0.10	-0.28	-0.25	-0.13	-6.34e-02
6	23	11	110.78	18.17	18.66	110.29	-6.71	6.70	1.37	6.68	1.39	0.35
6	23	12	36.27	-20.39	17.43	-1.55	26.69	-2.75	-14.32	-14.23	-2.83	-0.98
6	23	13	110.16	18.01	18.83	109.33	8.69	6.63	1.24	6.61	1.27	-0.37
6	23	14	35.93	-16.94	19.78	-0.79	-24.35	-2.75	-14.14	-14.06	-2.83	0.96
6	23	22	109.26	19.18	19.19	109.25	-0.97	0.35	0.10	0.35	0.10	2.16e-02
6	23	23	108.63	18.66	18.72	108.57	2.30	0.32	5.00e-02	0.32	5.49e-02	-3.61e-02
6	23	30	107.12	19.49	19.50	107.12	0.51	9.12e-02	3.60e-02	6.88e-02	5.84e-02	-2.71e-02
6	23	31	106.48	18.66	18.66	106.48	0.16	5.14e-02	-7.46e-03	4.41e-02	-1.70e-04	1.94e-02
6	23	38	106.97	19.61	19.61	106.97	5.75e-03	0.11	7.08e-02	0.11	7.08e-02	-1.55e-04
6	23	39	106.33	18.65	18.65	106.33	5.75e-03	8.73e-02	7.38e-03	8.73e-02	7.38e-03	9.92e-06
6	23	46	107.14	19.50	19.51	107.14	-0.50	9.14e-02	3.62e-02	6.92e-02	5.85e-02	2.71e-02
6	23	47	106.49	18.67	18.67	106.49	-0.15	5.17e-02	-7.33e-03	4.44e-02	-5.05e-05	-1.94e-02
6	23	54	109.29	19.19	19.20	109.28	0.97	0.35	0.10	0.35	0.10	-2.17e-02
6	23	55	108.66	18.66	18.72	108.60	-2.30	0.32	5.03e-02	0.32	5.52e-02	3.61e-02
6	23	62	110.79	18.18	18.67	110.31	6.70	6.70	1.37	6.68	1.39	-0.35
6	23	63	110.17	18.02	18.85	109.35	-8.70	6.64	1.24	6.61	1.27	0.37
6	23	70	36.28	-20.40	17.44	-1.55	-26.70	-2.75	-14.32	-14.23	-2.83	0.98
6	23	71	35.92	-16.93	19.78	-0.79	24.34	-2.75	-14.14	-14.06	-2.83	-0.96
6	24	11	1.06	-2.18	0.71	-1.83	1.00	0.51	-0.82	-0.16	-0.15	0.67
6	24	12	2.80	-5.26	-1.17	-1.29	4.03	0.17	-7.91e-02	-2.19e-02	0.11	-0.10
6	24	13	1.64	-15.36	-8.65	-5.08	8.31	0.55	-0.17	5.08e-03	0.37	-0.31
6	24	14	1.83	-17.22	-13.46	-1.94	7.59	-0.50	-1.66	-1.59	-0.57	0.27
6	24	22	9.96e-04	-1.03	-0.32	-0.70	-0.48	9.39e-02	-1.11	-0.12	-0.89	0.46
6	24	23	5.81	-9.03	1.05	-4.28	6.93	2.18	0.74	0.74	2.18	-6.95e-02
6	24	30	-5.33e-02	-0.82	-0.40	-0.48	-0.38	-0.12	-1.28	-0.18	-1.23	0.24
6	24	31	7.88	-5.18	6.75	-4.05	3.67	3.00	0.93	0.93	3.00	-1.43e-02
6	24	38	-0.34	-0.50	-0.34	-0.50	-5.75e-03	-0.20	-1.36	-0.20	-1.36	1.62e-04
6	24	39	8.58	-4.09	8.58	-4.09	-5.75e-03	3.29	1.00	1.00	3.29	3.56e-06
6	24	46	-7.35e-02	-0.83	-0.40	-0.50	0.37	-0.12	-1.28	-0.18	-1.23	-0.24
6	24	47	7.88	-5.20	6.75	-4.07	-3.68	3.00	0.93	0.93	3.00	1.43e-02
6	24	54	-1.83e-02	-1.05	-0.34	-0.73	0.48	9.30e-02	-1.11	-0.12	-0.90	-0.46
6	24	55	5.79	-9.06	1.05	-4.31	-6.92	2.18	0.74	0.74	2.18	6.95e-02
6	24	62	1.04	-2.19	0.70	-1.85	-1.00	0.51	-0.82	-0.16	-0.15	-0.67
6	24	63	1.61	-15.37	-8.66	-5.09	-8.30	0.55	-0.17	4.76e-03	0.37	0.31
6	24	70	2.78	-5.25	-1.18	-1.29	-4.02	0.17	-7.77e-02	-2.02e-02	0.11	0.10
6	24	71	1.82	-17.22	-13.46	-1.94	-7.58	-0.50	-1.66	-1.59	-0.57	-0.27
6	25	11	111.58	18.30	18.79	111.09	-6.76	6.75	1.38	6.73	1.40	0.35
6	25	12	36.53	-20.53	17.56	-1.56	26.88	-2.77	-14.42	-14.34	-2.85	-0.99
6	25	13	110.96	18.14	18.97	110.12	8.75	6.68	1.25	6.66	1.28	-0.37
6	25	14	36.19	-17.07	19.92	-0.80	-24.54	-2.77	-14.24	-14.16	-2.85	0.97
6	25	22	110.05	19.31	19.33	110.04	-0.98	0.35	0.10	0.35	0.11	2.18e-02
6	25	23	109.42	18.79	18.85	109.36	2.31	0.32	5.04e-02	0.32	5.53e-02	-3.64e-02
6	25	30	107.90	19.63	19.64	107.90	0.51	9.19e-02	3.63e-02	6.94e-02	5.88e-02	-2.73e-02
6	25	31	107.25	18.80	18.80	107.25	0.16	5.18e-02	-7.50e-03	4.44e-02	-1.60e-04	1.95e-02
6	25	38	107.75	19.75	19.75	107.75	5.75e-03	0.11	7.13e-02	0.11	7.13e-02	-1.62e-04
6	25	39	107.10	18.79	18.79	107.10	5.75e-03	8.80e-02	7.45e-03	8.80e-02	7.45e-03	-3.56e-06
6	25	46	107.91	19.64	19.65	107.91	-0.50	9.21e-02	3.65e-02	6.97e-02	5.89e-02	2.73e-02
6	25	47	107.27	18.80	18.80	107.27	-0.15	5.21e-02	-7.37e-03	4.47e-02	-3.73e-05	-1.96e-02
6	25	54	110.08	19.33	19.34	110.07	0.98	0.35	0.10	0.35	0.11	-2.18e-02
6	25	55	109.44	18.80	18.86	109.38	-2.31	0.32	5.06e-02	0.32	5.56e-02	3.64e-02
6	25	62	111.60	18.31	18.80	111.10	6.75	6.75	1.38	6.73	1.40	-0.35
6	25	63	110.97	18.15	18.98	110.14	-8.75	6.68	1.25	6.66	1.28	0.37
6	25	70	36.54	-20.54	17.57	-1.56	-26.89	-2.77	-14.42	-14.34	-2.85	0.99
6	25	71	36.18	-17.06	19.92	-0.80	24.52	-2.77	-14.25	-14.16	-2.85	-0.97
6	26	11	1.24	-1.43	0.84	-1.04	0.95	0.54	-0.80	-0.12	-0.14	0.67
6	26	12	3.05	-5.39	-1.05	-1.30	4.22	0.14	-0.17	-0.12	9.00e-02	-0.11
6	26	13	2.23	-15.03	-8.51	-4.28	8.37	0.57	-0.14	5.30e-02	0.38	-0.31
6	26	14	1.71	-16.97	-13.32	-1.95	7.41	-0.52	-1.76	-1.70	-0.59	0.28
6	26	22	0.46	-0.56	-0.19	8.52e-02	-0.49	9.62e-02	-1.11	-0.12	-0.89	0.46
6	26	23	6.17	-8.48	1.19	-3.49	6.94	2.18	0.74	0.75	2.18	-6.97e-02
6	26	30	0.49	-0.45	-0.26	0.29	-0.38	-0.12	-1.28	-0.18	-1.23	0.24
6	26	31	8.08	-4.47	6.89	-3.28	3.67	3.00	0.93	0.93	3.00	-1.42e-02
6	26	38	0.27	-0.20	-0.20	0.27	-5.75e-03	-0.20	-1.36	-0.20	-1.36	1.55e-04
6	26	39	8.71	-3.32	8.71	-3.32	-5.75e-03	3.29	1.00	1.00	3.29	-9.92e-06
6	26	46	0.47	-0.45	-0.26	0.28	0.37	-0.12	-1.28	-0.18	-1.23	-0.24
6	26	47	8.07	-4.49	6.88	-3.29	-3.68	3.00	0.93	0.93	3.00	1.42e-02
6	26	54	0.43	-0.58	-0.20	5.61e-02	0.49	9.53e-02	-1.11	-0.12	-0.89	-0.46
6	26	55	6.16	-8.50	1.18	-3.52	-6.94	2.18	0.74	0.74	2.18	6.98e-02
6	26	62	1.22	-1.44	0.83	-1.05	-0.94	0.54	-0.80	-0.12	-0.14	-0.67
6	26	63	2.21	-15.04	-8.53	-4.30	-8.36	0.57	-0.14	5.27e-02	0.38	0.31
6	26	70	3.03	-5.38	-1.05	-1.30	-4.21	0.14	-0.17	-0.12	9.03e-02	0.11

6	26	71	1.70	-16.96	-13.32	-1.95	-7.40	-0.52	-1.76	-1.69	-0.59	-0.28
6	27	11	110.78	18.17	18.66	110.29	-6.71	6.70	1.37	6.68	1.39	0.35
6	27	12	36.27	-20.39	17.43	-1.55	26.69	-2.75	-14.32	-14.23	-2.83	-0.98
6	27	13	110.16	18.01	18.83	109.33	8.69	6.63	1.24	6.61	1.27	-0.37
6	27	14	35.93	-16.94	19.78	-0.79	-24.35	-2.75	-14.14	-14.06	-2.83	0.96
6	27	22	109.26	19.18	19.19	109.25	-0.97	0.35	0.10	0.35	0.10	2.16e-02
6	27	23	108.63	18.66	18.72	108.57	2.30	0.32	5.00e-02	0.32	5.49e-02	-3.61e-02
6	27	30	107.12	19.49	19.50	107.12	0.51	9.12e-02	3.60e-02	6.88e-02	5.84e-02	-2.71e-02
6	27	31	106.48	18.66	18.66	106.48	0.16	5.14e-02	-7.46e-03	4.41e-02	-1.71e-04	1.94e-02
6	27	38	106.97	19.61	19.61	106.97	5.75e-03	0.11	7.08e-02	0.11	7.08e-02	-1.62e-04
6	27	39	106.33	18.65	18.65	106.33	5.75e-03	8.73e-02	7.38e-03	8.73e-02	7.38e-03	-3.21e-02
6	27	46	107.14	19.50	19.51	107.14	-0.50	9.14e-02	3.62e-02	6.92e-02	5.85e-02	2.71e-02
6	27	47	106.49	18.67	18.67	106.49	-0.15	5.17e-02	-7.33e-03	4.44e-02	-5.04e-05	-1.94e-02
6	27	54	109.29	19.19	19.20	109.28	0.97	0.35	0.10	0.35	0.10	-2.17e-02
6	27	55	108.66	18.66	18.72	108.60	-2.30	0.32	5.03e-02	0.32	5.52e-02	3.61e-02
6	27	62	110.79	18.18	18.67	110.31	6.70	6.70	1.37	6.68	1.39	-0.35
6	27	63	110.17	18.02	18.85	109.35	-8.70	6.64	1.24	6.61	1.27	0.37
6	27	70	36.28	-20.40	17.44	-1.55	-26.70	-2.75	-14.32	-14.23	-2.83	0.98
6	27	71	35.92	-16.93	19.78	-0.79	24.34	-2.75	-14.14	-14.06	-2.83	-0.96
6	28	11	1.06	-2.18	0.71	-1.83	1.00	0.51	-0.82	-0.16	-0.15	0.67
6	28	12	2.80	-5.26	-1.17	-1.29	4.03	0.17	-7.91e-02	-2.19e-02	0.11	-0.10
6	28	13	1.64	-15.36	-8.65	-5.08	8.31	0.55	-0.17	5.08e-03	0.37	-0.31
6	28	14	1.83	-17.22	-13.46	-1.94	7.59	-0.50	-1.66	-1.59	-0.57	0.27
6	28	22	9.89e-04	-1.03	-0.32	-0.70	-0.48	9.39e-02	-1.11	-0.12	-0.89	0.46
6	28	23	5.81	-9.03	1.05	-4.28	6.93	2.18	0.74	0.74	2.18	-6.95e-02
6	28	30	-5.33e-02	-0.82	-0.40	-0.48	-0.38	-0.12	-1.28	-0.18	-1.23	0.24
6	28	31	7.88	-5.18	6.75	-4.05	3.67	3.00	0.93	0.93	3.00	-1.43e-02
6	28	38	-0.34	-0.50	-0.34	-0.50	-5.75e-03	-0.20	-1.36	-0.20	-1.36	1.56e-04
6	28	39	8.58	-4.09	8.58	-4.09	-5.75e-03	3.29	1.00	1.00	3.29	-9.57e-06
6	28	46	-7.35e-02	-0.83	-0.40	-0.50	0.37	-0.12	-1.28	-0.18	-1.23	-0.24
6	28	47	7.88	-5.20	6.75	-4.07	-3.68	3.00	0.93	0.93	3.00	1.43e-02
6	28	54	-1.83e-02	-1.05	-0.34	-0.73	0.48	9.30e-02	-1.11	-0.12	-0.90	-0.46
6	28	55	5.79	-9.06	1.05	-4.31	-6.92	2.18	0.74	0.74	2.18	6.95e-02
6	28	62	1.04	-2.19	0.70	-1.85	-1.00	0.51	-0.82	-0.16	-0.15	-0.67
6	28	63	1.61	-15.37	-8.66	-5.09	-8.30	0.55	-0.17	4.76e-03	0.37	0.31
6	28	70	2.78	-5.25	-1.18	-1.29	-4.02	0.17	-7.77e-02	-2.02e-02	0.11	0.10
6	28	71	1.82	-17.22	-13.46	-1.94	-7.58	-0.50	-1.66	-1.59	-0.57	-0.27
6	29	11	111.58	18.30	18.79	111.09	-6.76	6.75	1.38	6.73	1.40	0.35
6	29	12	36.53	-20.53	17.56	-1.56	26.88	-2.77	-14.42	-14.34	-2.85	-0.99
6	29	13	110.96	18.14	18.97	110.12	8.75	6.68	1.25	6.66	1.28	-0.37
6	29	14	36.19	-17.07	19.92	-0.80	-24.54	-2.77	-14.24	-14.16	-2.85	0.97
6	29	22	110.05	19.31	19.33	110.04	-0.98	0.35	0.10	0.35	0.11	2.18e-02
6	29	23	109.42	18.79	18.85	109.36	2.31	0.32	5.04e-02	0.32	5.53e-02	-3.64e-02
6	29	30	107.90	19.63	19.64	107.90	0.51	9.19e-02	3.63e-02	6.94e-02	5.88e-02	-2.73e-02
6	29	31	107.25	18.80	18.80	107.25	0.16	5.18e-02	-7.50e-03	4.44e-02	-1.60e-04	1.95e-02
6	29	38	107.75	19.75	19.75	107.75	5.75e-03	0.11	7.13e-02	0.11	7.13e-02	-1.56e-04
6	29	39	107.10	18.79	18.79	107.10	5.75e-03	8.80e-02	7.45e-03	8.80e-02	7.45e-03	9.57e-06
6	29	46	107.91	19.64	19.65	107.91	-0.50	9.21e-02	3.65e-02	6.97e-02	5.89e-02	2.73e-02
6	29	47	107.27	18.80	18.80	107.27	-0.15	5.21e-02	-7.37e-03	4.47e-02	-3.74e-05	-1.95e-02
6	29	54	110.08	19.33	19.34	110.07	0.98	0.35	0.10	0.35	0.11	-2.18e-02
6	29	55	109.44	18.80	18.86	109.38	-2.31	0.32	5.06e-02	0.32	5.56e-02	3.64e-02
6	29	62	111.60	18.31	18.80	111.10	6.75	6.75	1.38	6.73	1.40	-0.35
6	29	63	110.97	18.15	18.98	110.14	-8.75	6.68	1.25	6.66	1.28	0.37
6	29	70	36.54	-20.54	17.57	-1.56	-26.89	-2.77	-14.42	-14.34	-2.85	0.99
6	29	71	36.18	-17.06	19.92	-0.80	24.52	-2.77	-14.25	-14.16	-2.85	-0.97
6	30	11	1.24	-1.43	0.84	-1.04	0.95	0.54	-0.80	-0.12	-0.14	0.67
6	30	12	3.05	-5.39	-1.05	-1.30	4.22	0.14	-0.17	-0.12	9.00e-02	-0.11
6	30	13	2.23	-15.03	-8.51	-4.28	8.37	0.57	-0.14	5.30e-02	0.38	-0.31
6	30	14	1.71	-16.97	-13.32	-1.95	7.41	-0.52	-1.76	-1.70	-0.59	0.28
6	30	22	0.46	-0.56	-0.19	8.52e-02	-0.49	9.62e-02	-1.11	-0.12	-0.89	0.46
6	30	23	6.17	-8.48	1.19	-3.49	6.94	2.18	0.74	0.75	2.18	-6.97e-02
6	30	30	0.49	-0.45	-0.26	0.29	-0.38	-0.12	-1.28	-0.18	-1.23	0.24
6	30	31	8.08	-4.47	6.89	-3.28	3.67	3.00	0.93	0.93	3.00	-1.42e-02
6	30	38	0.27	-0.20	-0.20	0.27	-5.75e-03	-0.20	-1.36	-0.20	-1.36	1.62e-04
6	30	39	8.71	-3.32	8.71	-3.32	-5.75e-03	3.29	1.00	1.00	3.29	3.21e-06
6	30	46	0.47	-0.45	-0.26	0.28	0.37	-0.12	-1.28	-0.18	-1.23	-0.24
6	30	47	8.07	-4.49	6.88	-3.29	-3.68	3.00	0.93	0.93	3.00	1.42e-02
6	30	54	0.43	-0.58	-0.20	5.61e-02	0.49	9.53e-02	-1.11	-0.12	-0.89	-0.46
6	30	55	6.16	-8.50	1.18	-3.52	-6.94	2.18	0.74	0.74	2.18	6.98e-02
6	30	62	1.22	-1.44	0.83	-1.05	-0.94	0.54	-0.80	-0.12	-0.14	-0.67
6	30	63	2.21	-15.04	-8.53	-4.30	-8.36	0.57	-0.14	5.27e-02	0.38	0.31
6	30	70	3.03	-5.38	-1.05	-1.30	-4.21	0.14	-0.17	-0.12	9.03e-02	0.11
6	30	71	1.70	-16.96	-13.32	-1.95	-7.40	-0.52	-1.76	-1.69	-0.59	-0.28
6	31	11	110.80	18.18	18.67	110.31	-6.70	6.70	1.37	6.68	1.39	0.35
6	31	12	36.28	-20.40	17.44	-1.55	26.70	-2.75	-14.32	-14.23	-2.83	-0.98
6	31	13	110.17	18.02	18.85	109.35	8.70	6.64	1.24	6.61	1.27	-0.37
6	31	14	35.92	-16.93	19.78	-0.79	-24.34	-2.75	-14.14	-14.06	-2.83	0.96

6	31	22	109.29	19.19	19.20	109.28	-0.97	0.35	0.10	0.35	0.10	2.17e-02
6	31	23	108.66	18.66	18.72	108.60	2.30	0.32	5.03e-02	0.32	5.52e-02	-3.61e-02
6	31	30	107.14	19.50	19.51	107.14	0.50	9.14e-02	3.62e-02	6.92e-02	5.85e-02	-2.71e-02
6	31	31	106.49	18.67	18.67	106.49	0.15	5.17e-02	-7.33e-03	4.44e-02	-4.91e-05	1.94e-02
6	31	38	106.98	19.61	19.61	106.98	-5.70e-03	0.11	7.08e-02	0.11	7.08e-02	1.62e-04
6	31	39	106.33	18.65	18.65	106.33	-5.70e-03	8.73e-02	7.39e-03	8.73e-02	7.39e-03	4.07e-06
6	31	46	107.12	19.49	19.50	107.12	-0.51	9.12e-02	3.60e-02	6.89e-02	5.84e-02	2.71e-02
6	31	47	106.48	18.66	18.66	106.48	-0.16	5.14e-02	-7.46e-03	4.41e-02	-1.74e-04	-1.94e-02
6	31	54	109.26	19.18	19.19	109.25	0.97	0.35	0.10	0.35	0.10	-2.16e-02
6	31	55	108.63	18.66	18.72	108.57	-2.30	0.32	5.00e-02	0.32	5.49e-02	3.61e-02
6	31	62	110.78	18.17	18.66	110.29	6.71	6.70	1.37	6.68	1.39	-0.35
6	31	63	110.16	18.01	18.83	109.33	-8.69	6.63	1.24	6.61	1.27	0.37
6	31	70	36.27	-20.39	17.43	-1.55	-26.69	-2.75	-14.32	-14.23	-2.83	0.98
6	31	71	35.93	-16.94	19.78	-0.79	24.35	-2.75	-14.14	-14.06	-2.83	-0.96
6	32	11	1.04	-2.19	0.70	-1.85	1.00	0.51	-0.82	-0.16	-0.15	0.67
6	32	12	2.78	-5.25	-1.18	-1.29	4.02	0.17	-7.77e-02	-2.02e-02	0.11	-0.10
6	32	13	1.61	-15.37	-8.66	-5.09	8.30	0.55	-0.17	4.75e-03	0.37	-0.31
6	32	14	1.82	-17.22	-13.46	-1.94	7.58	-0.50	-1.66	-1.59	-0.57	0.27
6	32	22	-1.81e-02	-1.05	-0.34	-0.73	-0.48	9.30e-02	-1.11	-0.12	-0.90	0.46
6	32	23	5.79	-9.06	1.05	-4.31	6.92	2.18	0.74	0.74	2.18	-6.95e-02
6	32	30	-7.33e-02	-0.83	-0.40	-0.50	-0.37	-0.12	-1.28	-0.18	-1.23	0.24
6	32	31	7.88	-5.20	6.75	-4.07	3.68	3.00	0.93	0.93	3.00	-1.43e-02
6	32	38	-0.34	-0.50	-0.34	-0.50	5.71e-03	-0.20	-1.36	-0.20	-1.36	-1.55e-04
6	32	39	8.58	-4.09	8.58	-4.09	5.71e-03	3.29	1.00	1.00	3.29	9.40e-06
6	32	46	-5.34e-02	-0.82	-0.40	-0.48	0.38	-0.12	-1.28	-0.18	-1.23	-0.24
6	32	47	7.88	-5.18	6.75	-4.05	-3.67	3.00	0.93	0.93	3.00	1.43e-02
6	32	54	8.67e-04	-1.03	-0.32	-0.70	0.48	9.39e-02	-1.11	-0.12	-0.89	-0.46
6	32	55	5.81	-9.03	1.05	-4.28	-6.93	2.18	0.74	0.74	2.18	6.95e-02
6	32	62	1.06	-2.18	0.71	-1.83	-1.00	0.51	-0.82	-0.16	-0.15	-0.67
6	32	63	1.64	-15.36	-8.65	-5.08	-8.31	0.55	-0.17	5.08e-03	0.37	0.31
6	32	70	2.80	-5.26	-1.17	-1.29	-4.03	0.17	-7.91e-02	-2.19e-02	0.11	0.10
6	32	71	1.83	-17.22	-13.46	-1.94	-7.59	-0.50	-1.66	-1.59	-0.57	-0.27
6	33	11	111.60	18.31	18.80	111.10	-6.75	6.75	1.38	6.73	1.40	0.35
6	33	12	36.54	-20.54	17.57	-1.56	26.89	-2.77	-14.42	-14.34	-2.85	-0.99
6	33	13	110.97	18.15	18.98	110.14	8.75	6.68	1.25	6.66	1.28	-0.37
6	33	14	36.18	-17.06	19.92	-0.80	-24.52	-2.77	-14.25	-14.16	-2.85	0.97
6	33	22	110.08	19.33	19.34	110.07	-0.98	0.35	0.10	0.35	0.11	2.18e-02
6	33	23	109.44	18.80	18.86	109.38	2.31	0.32	5.06e-02	0.32	5.56e-02	-3.64e-02
6	33	30	107.91	19.64	19.65	107.91	0.50	9.21e-02	3.65e-02	6.97e-02	5.89e-02	-2.73e-02
6	33	31	107.27	18.80	18.80	107.27	0.15	5.21e-02	-7.37e-03	4.47e-02	-3.90e-05	1.95e-02
6	33	38	107.75	19.75	19.75	107.75	-5.71e-03	0.11	7.13e-02	0.11	7.13e-02	1.55e-04
6	33	39	107.10	18.79	18.79	107.10	-5.71e-03	8.80e-02	7.45e-03	8.80e-02	7.45e-03	-9.40e-06
6	33	46	107.90	19.63	19.64	107.90	-0.51	9.19e-02	3.63e-02	6.94e-02	5.88e-02	2.73e-02
6	33	47	107.25	18.80	18.80	107.25	-0.16	5.18e-02	-7.50e-03	4.44e-02	-1.60e-04	-1.95e-02
6	33	54	110.05	19.32	19.33	110.04	0.98	0.35	0.10	0.35	0.11	-2.18e-02
6	33	55	109.42	18.79	18.85	109.36	-2.31	0.32	5.04e-02	0.32	5.53e-02	3.64e-02
6	33	62	111.58	18.30	18.79	111.09	6.76	6.75	1.38	6.73	1.40	-0.35
6	33	63	110.96	18.14	18.97	110.12	-8.75	6.68	1.25	6.66	1.28	0.37
6	33	70	36.53	-20.53	17.56	-1.56	-26.88	-2.77	-14.42	-14.34	-2.85	0.99
6	33	71	36.19	-17.07	19.92	-0.80	24.54	-2.77	-14.24	-14.16	-2.85	-0.97
6	34	11	1.22	-1.44	0.83	-1.05	0.94	0.54	-0.80	-0.12	-0.14	0.67
6	34	12	3.03	-5.38	-1.05	-1.30	4.21	0.14	-0.17	-0.12	9.03e-02	-0.11
6	34	13	2.21	-15.04	-8.53	-4.30	8.36	0.57	-0.14	5.27e-02	0.38	-0.31
6	34	14	1.70	-16.96	-13.32	-1.95	7.40	-0.52	-1.76	-1.69	-0.59	0.28
6	34	22	0.43	-0.58	-0.20	5.61e-02	-0.49	9.53e-02	-1.11	-0.12	-0.89	0.46
6	34	23	6.16	-8.50	1.18	-3.52	6.94	2.18	0.74	0.74	2.18	-6.98e-02
6	34	30	0.47	-0.45	-0.26	0.28	-0.37	-0.12	-1.28	-0.18	-1.23	0.24
6	34	31	8.07	-4.49	6.88	-3.29	3.68	3.00	0.93	0.93	3.00	-1.42e-02
6	34	38	0.27	-0.20	-0.20	0.27	5.70e-03	-0.20	-1.36	-0.20	-1.36	-1.62e-04
6	34	39	8.71	-3.32	8.71	-3.32	5.70e-03	3.29	1.00	1.00	3.29	-4.07e-06
6	34	46	0.49	-0.45	-0.26	0.29	0.38	-0.12	-1.28	-0.18	-1.23	-0.24
6	34	47	8.08	-4.47	6.89	-3.28	-3.67	3.00	0.93	0.93	3.00	1.42e-02
6	34	54	0.46	-0.56	-0.19	8.52e-02	0.49	9.62e-02	-1.11	-0.12	-0.89	-0.46
6	34	55	6.17	-8.48	1.19	-3.49	-6.94	2.18	0.74	0.75	2.18	6.97e-02
6	34	62	1.24	-1.43	0.84	-1.04	-0.95	0.54	-0.80	-0.12	-0.14	-0.67
6	34	63	2.23	-15.03	-8.51	-4.28	-8.37	0.57	-0.14	5.30e-02	0.38	0.31
6	34	70	3.05	-5.39	-1.05	-1.30	-4.22	0.14	-0.17	-0.12	9.00e-02	0.11
6	34	71	1.71	-16.97	-13.32	-1.95	-7.41	-0.52	-1.76	-1.70	-0.59	-0.28
6	35	11	110.80	18.18	18.67	110.31	-6.70	6.70	1.37	6.68	1.39	0.35
6	35	12	36.28	-20.40	17.44	-1.55	26.70	-2.75	-14.32	-14.23	-2.83	-0.98
6	35	13	110.17	18.02	18.85	109.35	8.70	6.64	1.24	6.61	1.27	-0.37
6	35	14	35.92	-16.93	19.78	-0.79	-24.34	-2.75	-14.14	-14.06	-2.83	0.96
6	35	22	109.29	19.19	19.20	109.28	-0.97	0.35	0.10	0.35	0.10	2.17e-02
6	35	23	108.66	18.66	18.72	108.60	2.30	0.32	5.03e-02	0.32	5.52e-02	-3.61e-02
6	35	30	107.14	19.50	19.51	107.14	0.50	9.14e-02	3.62e-02	6.92e-02	5.85e-02	-2.71e-02
6	35	31	106.49	18.67	18.67	106.49	0.15	5.17e-02	-7.33e-03	4.44e-02	-4.92e-05	1.94e-02
6	35	38	106.98	19.61	19.61	106.98	-5.70e-03	0.11	7.08e-02	0.11	7.08e-02	1.56e-04

6	35	39	106.33	18.65	18.65	106.33	-5.70e-03	8.73e-02	7.39e-03	8.73e-02	7.39e-03	-9.06e-06
6	35	46	107.12	19.49	19.50	107.12	-0.51	9.12e-02	3.60e-02	6.89e-02	5.84e-02	2.71e-02
6	35	47	106.48	18.66	18.66	106.48	-0.16	5.14e-02	-7.46e-03	4.41e-02	-1.74e-04	-1.94e-02
6	35	54	109.26	19.18	19.19	109.25	0.97	0.35	0.10	0.35	0.10	-2.16e-02
6	35	55	108.63	18.66	18.72	108.57	-2.30	0.32	5.00e-02	0.32	5.49e-02	3.61e-02
6	35	62	110.78	18.17	18.66	110.29	6.71	6.70	1.37	6.68	1.39	-0.35
6	35	63	110.16	18.01	18.83	109.33	-8.69	6.63	1.24	6.61	1.27	0.37
6	35	70	36.27	-20.39	17.43	-1.55	-26.69	-2.75	-14.32	-14.23	-2.83	0.98
6	35	71	35.93	-16.94	19.78	-0.79	24.35	-2.75	-14.14	-14.06	-2.83	-0.96
6	36	11	1.04	-2.19	0.70	-1.85	1.00	0.51	-0.82	-0.16	-0.15	0.67
6	36	12	2.78	-5.25	-1.18	-1.29	4.02	0.17	-7.77e-02	-2.02e-02	0.11	-0.10
6	36	13	1.61	-15.37	-8.66	-5.09	8.30	0.55	-0.17	4.75e-03	0.37	-0.31
6	36	14	1.82	-17.22	-13.46	-1.94	7.58	-0.50	-1.66	-1.59	-0.57	0.27
6	36	22	-1.82e-02	-1.05	-0.34	-0.73	-0.48	9.30e-02	-1.11	-0.12	-0.90	0.46
6	36	23	5.79	-9.06	1.05	-4.31	6.92	2.18	0.74	0.74	2.18	-6.95e-02
6	36	30	-7.33e-02	-0.83	-0.40	-0.50	-0.37	-0.12	-1.28	-0.18	-1.23	0.24
6	36	31	7.88	-5.20	6.75	-4.07	3.68	3.00	0.93	0.93	3.00	-1.43e-02
6	36	38	-0.34	-0.50	-0.34	-0.50	5.71e-03	-0.20	-1.36	-0.20	-1.36	-1.62e-04
6	36	39	8.58	-4.09	8.58	-4.09	5.71e-03	3.29	1.00	1.00	3.29	-3.73e-06
6	36	46	-5.34e-02	-0.82	-0.40	-0.48	0.38	-0.12	-1.28	-0.18	-1.23	-0.24
6	36	47	7.88	-5.18	6.75	-4.05	-3.67	3.00	0.93	0.93	3.00	1.43e-02
6	36	54	8.74e-04	-1.03	-0.32	-0.70	0.48	9.39e-02	-1.11	-0.12	-0.89	-0.46
6	36	55	5.81	-9.03	1.05	-4.28	-6.93	2.18	0.74	0.74	2.18	6.95e-02
6	36	62	1.06	-2.18	0.71	-1.83	-1.00	0.51	-0.82	-0.16	-0.15	-0.67
6	36	63	1.64	-15.36	-8.65	-5.08	-8.31	0.55	-0.17	5.08e-03	0.37	0.31
6	36	70	2.80	-5.26	-1.17	-1.29	-4.03	0.17	-7.91e-02	-2.19e-02	0.11	0.10
6	36	71	1.83	-17.22	-13.46	-1.94	-7.59	-0.50	-1.66	-1.59	-0.57	-0.27
6	37	11	111.60	18.31	18.80	111.10	-6.75	6.75	1.38	6.73	1.40	0.35
6	37	12	36.54	-20.54	17.57	-1.56	26.89	-2.77	-14.42	-14.34	-2.85	-0.99
6	37	13	110.97	18.15	18.98	110.14	8.75	6.68	1.25	6.66	1.28	-0.37
6	37	14	36.18	-17.06	19.92	-0.80	-24.52	-2.77	-14.25	-14.16	-2.85	0.97
6	37	22	110.08	19.33	19.34	110.07	-0.98	0.35	0.10	0.35	0.11	2.18e-02
6	37	23	109.44	18.80	18.86	109.38	2.31	0.32	5.06e-02	0.32	5.56e-02	-3.64e-02
6	37	30	107.91	19.64	19.65	107.91	0.50	9.21e-02	3.65e-02	6.97e-02	5.89e-02	-2.73e-02
6	37	31	107.27	18.80	18.80	107.27	0.15	5.21e-02	-7.37e-03	4.47e-02	-3.89e-05	1.95e-02
6	37	38	107.75	19.75	19.75	107.75	-5.71e-03	0.11	7.13e-02	0.11	7.13e-02	1.62e-04
6	37	39	107.10	18.79	18.79	107.10	-5.71e-03	8.80e-02	7.45e-03	8.80e-02	7.45e-03	3.73e-06
6	37	46	107.90	19.63	19.64	107.90	-0.51	9.19e-02	3.63e-02	6.94e-02	5.88e-02	2.73e-02
6	37	47	107.25	18.80	18.80	107.25	-0.16	5.18e-02	-7.50e-03	4.44e-02	-1.61e-04	-1.95e-02
6	37	54	110.05	19.32	19.33	110.04	0.98	0.35	0.10	0.35	0.11	-2.18e-02
6	37	55	109.42	18.79	18.85	109.36	-2.31	0.32	5.04e-02	0.32	5.53e-02	3.64e-02
6	37	62	111.58	18.30	18.79	111.09	6.76	6.75	1.38	6.73	1.40	-0.35
6	37	63	110.96	18.14	18.97	110.12	-8.75	6.68	1.25	6.66	1.28	0.37
6	37	70	36.53	-20.53	17.56	-1.56	-26.88	-2.77	-14.42	-14.34	-2.85	0.99
6	37	71	36.19	-17.07	19.92	-0.80	24.54	-2.77	-14.24	-14.16	-2.85	-0.97
6	38	11	1.22	-1.44	0.83	-1.05	0.94	0.54	-0.80	-0.12	-0.14	0.67
6	38	12	3.03	-5.38	-1.05	-1.30	4.21	0.14	-0.17	-0.12	9.03e-02	-0.11
6	38	13	2.21	-15.04	-8.53	-4.30	8.36	0.57	-0.14	5.27e-02	0.38	-0.31
6	38	14	1.70	-16.96	-13.32	-1.95	7.40	-0.52	-1.76	-1.69	-0.59	0.28
6	38	22	0.43	-0.58	-0.20	5.61e-02	-0.49	9.53e-02	-1.11	-0.12	-0.89	0.46
6	38	23	6.16	-8.50	1.18	-3.52	6.94	2.18	0.74	0.74	2.18	-6.98e-02
6	38	30	0.47	-0.45	-0.26	0.28	-0.37	-0.12	-1.28	-0.18	-1.23	0.24
6	38	31	8.07	-4.49	6.88	-3.29	3.68	3.00	0.93	0.93	3.00	-1.42e-02
6	38	38	0.27	-0.20	-0.20	0.27	5.70e-03	-0.20	-1.36	-0.20	-1.36	-1.56e-04
6	38	39	8.71	-3.32	8.71	-3.32	5.70e-03	3.29	1.00	1.00	3.29	9.06e-06
6	38	46	0.49	-0.45	-0.26	0.29	0.38	-0.12	-1.28	-0.18	-1.23	-0.24
6	38	47	8.08	-4.47	6.89	-3.28	-3.67	3.00	0.93	0.93	3.00	1.42e-02
6	38	54	0.46	-0.56	-0.19	8.52e-02	0.49	9.62e-02	-1.11	-0.12	-0.89	-0.46
6	38	55	6.17	-8.48	1.19	-3.49	-6.94	2.18	0.74	0.75	2.18	6.97e-02
6	38	62	1.24	-1.43	0.84	-1.04	-0.95	0.54	-0.80	-0.12	-0.14	-0.67
6	38	63	2.23	-15.03	-8.51	-4.28	-8.37	0.57	-0.14	5.30e-02	0.38	0.31
6	38	70	3.05	-5.39	-1.05	-1.30	-4.22	0.14	-0.17	-0.12	9.00e-02	0.11
6	38	71	1.71	-16.97	-13.32	-1.95	-7.41	-0.52	-1.76	-1.70	-0.59	-0.28
6	39	11	0.75	-0.48	6.69e-02	0.20	0.61	2.27e-02	-1.58e-03	-3.37e-04	2.14e-02	-5.35e-03
6	39	12	0.43	-0.84	-0.23	-0.18	0.63	2.46e-02	1.18e-02	2.29e-02	1.35e-02	4.35e-03
6	39	13	0.32	-0.66	-2.08e-03	-0.34	0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.39e-03
6	39	14	0.98	-0.31	0.44	0.23	0.64	4.02e-02	-1.05e-03	3.91e-02	-9.99e-06	-6.47e-03
6	39	22	0.50	-0.33	5.10e-02	0.11	0.41	-1.53e-03	-2.18e-03	-2.07e-03	-1.64e-03	2.44e-04
6	39	23	0.11	-0.50	-0.11	-0.28	0.30	-6.09e-04	-2.83e-03	-2.81e-03	-6.32e-04	-2.24e-04
6	39	30	0.28	-0.13	4.87e-02	0.10	0.21	-4.26e-04	-2.63e-03	-2.63e-03	-4.31e-04	1.07e-04
6	39	31	-7.03e-02	-0.38	-0.18	-0.26	0.15	-1.70e-03	-1.88e-03	-1.73e-03	-1.85e-03	-6.86e-05
6	39	38	0.11	5.06e-02	5.06e-02	0.11	6.42e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	-1.34e-05
6	39	39	-0.21	-0.26	-0.21	-0.26	6.42e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	8.68e-06
6	39	46	0.28	-0.13	4.94e-02	0.11	-0.20	-4.11e-04	-2.58e-03	-2.58e-03	-4.16e-04	-1.08e-04
6	39	47	-7.02e-02	-0.38	-0.18	-0.26	-0.15	-1.66e-03	-1.87e-03	-1.69e-03	-1.84e-03	7.22e-05
6	39	54	0.50	-0.33	5.24e-02	0.12	-0.41	-1.48e-03	-2.07e-03	-1.94e-03	-1.60e-03	-2.44e-04
6	39	55	0.12	-0.50	-0.11	-0.27	-0.30	-5.82e-04	-2.74e-03	-2.71e-03	-6.06e-04	2.25e-04

6	39	62	0.75	-0.48	6.76e-02	0.20	-0.61	2.27e-02	-1.54e-03	-2.94e-04	2.14e-02	5.34e-03
6	39	63	0.32	-0.66	-9.67e-04	-0.34	-0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	-3.40e-03
6	39	70	0.43	-0.84	-0.23	-0.18	-0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	-4.35e-03
6	39	71	0.98	-0.31	0.44	0.23	-0.64	4.00e-02	-1.09e-03	3.90e-02	-4.43e-05	6.46e-03
6	40	11	0.74	-0.46	7.73e-02	0.20	0.59	2.27e-02	-1.45e-03	-2.16e-04	2.14e-02	-5.31e-03
6	40	12	0.43	-0.81	-0.21	-0.17	0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	4.35e-03
6	40	13	0.31	-0.65	5.32e-03	-0.34	0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	3.46e-03
6	40	14	0.98	-0.29	0.46	0.23	0.63	4.16e-02	-7.26e-04	4.06e-02	2.76e-04	-6.43e-03
6	40	22	0.48	-0.33	4.76e-02	9.93e-02	0.40	-1.68e-03	-2.58e-03	-2.52e-03	-1.75e-03	2.32e-04
6	40	23	9.57e-02	-0.50	-0.12	-0.29	0.28	-7.02e-04	-3.25e-03	-3.23e-03	-7.22e-04	-2.24e-04
6	40	30	0.27	-0.14	3.66e-02	9.19e-02	0.20	-4.52e-04	-2.69e-03	-2.69e-03	-4.58e-04	1.16e-04
6	40	31	-8.73e-02	-0.38	-0.19	-0.28	0.14	-1.77e-03	-1.90e-03	-1.81e-03	-1.87e-03	-5.68e-05
6	40	38	8.76e-02	3.34e-02	3.34e-02	8.76e-02	-6.38e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	2.19e-05
6	40	39	-0.22	-0.28	-0.22	-0.28	-6.38e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	7.98e-06
6	40	46	0.26	-0.14	3.54e-02	9.00e-02	-0.20	-4.61e-04	-2.72e-03	-2.71e-03	-4.67e-04	-1.17e-04
6	40	47	-8.77e-02	-0.39	-0.19	-0.28	-0.14	-1.79e-03	-1.93e-03	-1.89e-03	-1.89e-03	6.67e-05
6	40	54	0.47	-0.33	4.56e-02	9.61e-02	-0.40	-1.72e-03	-2.67e-03	-2.62e-03	-1.78e-03	-2.27e-04
6	40	55	9.39e-02	-0.50	-0.12	-0.29	-0.28	-7.32e-04	-3.34e-03	-3.32e-03	-7.52e-04	2.31e-04
6	40	62	0.73	-0.46	7.63e-02	0.20	-0.59	2.27e-02	-1.47e-03	-2.49e-04	2.14e-02	5.30e-03
6	40	63	0.31	-0.65	3.94e-03	-0.35	-0.44	-1.77e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.48e-03
6	40	70	0.42	-0.81	-0.21	-0.17	-0.62	2.61e-02	1.23e-02	2.45e-02	1.38e-02	-4.35e-03
6	40	71	0.98	-0.29	0.46	0.23	-0.62	4.17e-02	-6.92e-04	4.07e-02	3.04e-04	6.42e-03
6	41	11	0.75	-0.48	6.67e-02	0.20	0.61	2.27e-02	-1.57e-03	-3.32e-04	2.14e-02	-5.34e-03
6	41	12	0.43	-0.84	-0.23	-0.18	0.63	2.45e-02	1.18e-02	2.28e-02	1.35e-02	4.35e-03
6	41	13	0.32	-0.66	-2.22e-03	-0.34	0.46	-1.79e-02	-2.58e-02	-1.99e-02	-2.38e-02	3.40e-03
6	41	14	0.98	-0.31	0.44	0.23	0.64	4.02e-02	-1.05e-03	3.91e-02	-1.32e-05	-6.46e-03
6	41	22	0.50	-0.33	5.07e-02	0.11	0.41	-1.53e-03	-2.16e-03	-2.05e-03	-1.64e-03	2.42e-04
6	41	23	0.11	-0.50	-0.11	-0.28	0.30	-6.10e-04	-2.83e-03	-2.80e-03	-6.34e-04	-2.28e-04
6	41	30	0.28	-0.13	4.84e-02	0.10	0.21	-4.23e-04	-2.62e-03	-2.61e-03	-4.28e-04	1.08e-04
6	41	31	-7.05e-02	-0.38	-0.18	-0.26	0.15	-1.69e-03	-1.89e-03	-1.73e-03	-1.85e-03	-7.53e-05
6	41	38	0.11	5.06e-02	5.06e-02	0.11	6.38e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	-2.19e-05
6	41	39	-0.21	-0.26	-0.21	-0.26	6.38e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	-7.98e-06
6	41	46	0.28	-0.13	4.97e-02	0.11	-0.20	-4.14e-04	-2.59e-03	-2.59e-03	-4.19e-04	-1.07e-04
6	41	47	-7.00e-02	-0.38	-0.18	-0.26	-0.15	-1.67e-03	-1.86e-03	-1.70e-03	-1.84e-03	6.55e-05
6	41	54	0.50	-0.33	5.27e-02	0.12	-0.41	-1.48e-03	-2.08e-03	-1.95e-03	-1.61e-03	-2.47e-04
6	41	55	0.12	-0.50	-0.11	-0.27	-0.30	-5.81e-04	-2.74e-03	-2.72e-03	-6.03e-04	2.21e-04
6	41	62	0.75	-0.48	6.78e-02	0.20	-0.61	2.27e-02	-1.54e-03	-2.99e-04	2.14e-02	5.35e-03
6	41	63	0.32	-0.66	-8.32e-04	-0.34	-0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	-3.38e-03
6	41	70	0.43	-0.84	-0.23	-0.18	-0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	-4.35e-03
6	41	71	0.99	-0.31	0.44	0.23	-0.64	4.00e-02	-1.09e-03	3.90e-02	-4.11e-05	6.47e-03
6	42	11	0.74	-0.46	7.71e-02	0.20	0.59	2.27e-02	-1.44e-03	-2.11e-04	2.14e-02	-5.30e-03
6	42	12	0.43	-0.81	-0.21	-0.17	0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	4.35e-03
6	42	13	0.31	-0.65	5.19e-03	-0.34	0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	3.47e-03
6	42	14	0.98	-0.29	0.46	0.23	0.63	4.16e-02	-7.27e-04	4.06e-02	2.73e-04	-6.42e-03
6	42	22	0.48	-0.33	4.73e-02	9.94e-02	0.40	-1.68e-03	-2.57e-03	-2.50e-03	-1.74e-03	2.30e-04
6	42	23	9.56e-02	-0.50	-0.12	-0.29	0.28	-7.04e-04	-3.25e-03	-3.23e-03	-7.24e-04	-2.28e-04
6	42	30	0.26	-0.14	3.64e-02	9.19e-02	0.20	-4.49e-04	-2.68e-03	-2.67e-03	-4.55e-04	1.17e-04
6	42	31	-8.74e-02	-0.38	-0.19	-0.28	0.14	-1.77e-03	-1.91e-03	-1.80e-03	-1.87e-03	-6.35e-05
6	42	38	8.76e-02	3.34e-02	3.34e-02	8.76e-02	-6.42e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	1.34e-05
6	42	39	-0.22	-0.28	-0.22	-0.28	-6.42e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	-8.68e-06
6	42	46	0.26	-0.14	3.56e-02	9.00e-02	-0.20	-4.64e-04	-2.73e-03	-2.72e-03	-4.70e-04	-1.16e-04
6	42	47	-8.76e-02	-0.39	-0.19	-0.28	-0.14	-1.80e-03	-1.93e-03	-1.84e-03	-1.88e-03	6.00e-05
6	42	54	0.47	-0.33	4.59e-02	9.61e-02	-0.40	-1.72e-03	-2.69e-03	-2.63e-03	-1.78e-03	-2.30e-04
6	42	55	9.40e-02	-0.50	-0.12	-0.29	-0.28	-7.30e-04	-3.34e-03	-3.32e-03	-7.50e-04	2.27e-04
6	42	62	0.73	-0.46	7.65e-02	0.20	-0.59	2.27e-02	-1.48e-03	-2.54e-04	2.14e-02	5.30e-03
6	42	63	0.31	-0.65	4.07e-03	-0.35	-0.44	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.47e-03
6	42	70	0.42	-0.81	-0.21	-0.17	-0.62	2.61e-02	1.23e-02	2.46e-02	1.38e-02	-4.35e-03
6	42	71	0.98	-0.29	0.46	0.23	-0.62	4.17e-02	-6.91e-04	4.07e-02	3.07e-04	6.43e-03
6	43	11	0.75	-0.48	6.78e-02	0.20	0.61	2.27e-02	-1.54e-03	-2.97e-04	2.14e-02	-5.35e-03
6	43	12	0.43	-0.84	-0.23	-0.18	0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	4.35e-03
6	43	13	0.32	-0.66	-8.30e-04	-0.34	0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	3.38e-03
6	43	14	0.99	-0.31	0.44	0.23	0.64	4.00e-02	-1.09e-03	3.90e-02	-4.13e-05	-6.47e-03
6	43	22	0.50	-0.33	5.27e-02	0.12	0.41	-1.48e-03	-2.08e-03	-1.96e-03	-1.61e-03	-2.47e-04
6	43	23	0.12	-0.50	-0.11	-0.27	0.30	-5.81e-04	-2.74e-03	-2.72e-03	-6.03e-04	-2.20e-04
6	43	30	0.28	-0.13	4.97e-02	0.11	0.20	-4.14e-04	-2.59e-03	-2.59e-03	-4.19e-04	1.07e-04
6	43	31	-7.00e-02	-0.38	-0.18	-0.26	0.15	-1.67e-03	-1.86e-03	-1.70e-03	-1.84e-03	-6.58e-05
6	43	38	0.11	5.06e-02	5.06e-02	0.11	-6.33e-04	-2.19e-04	-2.51e-03	-2.51e-03	-2.20e-04	2.19e-05
6	43	39	-0.21	-0.26	-0.21	-0.26	-6.33e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	8.03e-06
6	43	46	0.28	-0.13	4.84e-02	0.10	-0.21	-4.23e-04	-2.62e-03	-2.61e-03	-4.28e-04	-1.08e-04
6	43	47	-7.05e-02	-0.38	-0.18	-0.26	-0.15	-1.69e-03	-1.89e-03	-1.73e-03	-1.85e-03	7.53e-05
6	43	54	0.50	-0.33	5.07e-02	0.11	-0.41	-1.53e-03	-2.16e-03	-2.05e-03	-1.64e-03	-2.42e-04
6	43	55	0.11	-0.50	-0.11	-0.28	-0.30	-6.10e-04	-2.83e-03	-2.80e-03	-6.34e-04	2.28e-04
6	43	62	0.75	-0.48	6.67e-02	0.20	-0.61	2.27e-02	-1.57e-03	-3.33e-04	2.14e-02	5.34e-03
6	43	63	0.32	-0.66	-2.21e-03	-0.34	-0.46	-1.79e-02	-2.58e-02	-1.99e-02	-2.38e-02	-3.40e-03
6	43	70	0.43	-0.84	-0.23	-0.18	-0.63	2.46e-02	1.18e-02	2.28e-02	1.35e-02	-4.35e-03
6	43	71	0.98	-0.31	0.44	0.23	-0.64	4.02e-02	-1.05e-03	3.91e-02	-1.32e-05	6.46e-03
6	44	11	0.73	-0.46	7.65e-02	0.20	0.59	2.27e-02	-1.48e-03	-2.56e-04	2.14e-02	-5.30e-03

6	44	12	0.42	-0.81	-0.21	-0.17	0.62	2.61e-02	1.23e-02	2.46e-02	1.38e-02	4.35e-03
6	44	13	0.31	-0.65	4.07e-03	-0.35	0.44	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.47e-03
6	44	14	0.98	-0.29	0.46	0.23	0.62	4.17e-02	-6.91e-04	4.07e-02	3.07e-04	-6.43e-03
6	44	22	0.47	-0.33	4.59e-02	9.61e-02	0.40	-1.72e-03	-2.69e-03	-2.63e-03	-1.78e-03	2.30e-04
6	44	23	9.40e-02	-0.50	-0.12	-0.29	0.28	-7.30e-04	-3.34e-03	-3.32e-03	-7.50e-04	-2.28e-04
6	44	30	0.26	-0.14	3.56e-02	9.01e-02	0.20	-4.64e-04	-2.73e-03	-2.72e-03	-4.70e-04	1.16e-04
6	44	31	-8.76e-02	-0.39	-0.19	-0.28	0.14	-1.80e-03	-1.93e-03	-1.84e-03	-1.88e-03	-5.97e-05
6	44	38	8.76e-02	3.34e-02	3.34e-02	8.76e-02	6.37e-04	-3.91e-04	-3.11e-03	-3.11e-03	-3.91e-04	-1.34e-05
6	44	39	-0.22	-0.28	-0.22	-0.28	6.37e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	8.63e-06
6	44	46	0.26	-0.14	3.64e-02	9.19e-02	-0.20	-4.49e-04	-2.68e-03	-2.68e-03	-4.55e-04	-1.17e-04
6	44	47	-8.74e-02	-0.38	-0.19	-0.28	-0.14	-1.77e-03	-1.91e-03	-1.80e-03	-1.87e-03	6.36e-05
6	44	54	0.48	-0.33	4.73e-02	9.94e-02	-0.40	-1.68e-03	-2.57e-03	-2.50e-03	-1.74e-03	-2.30e-04
6	44	55	9.56e-02	-0.50	-0.12	-0.29	-0.28	-7.04e-04	-3.25e-03	-3.23e-03	-7.24e-04	2.27e-04
6	44	62	0.74	-0.46	7.72e-02	0.20	-0.59	2.27e-02	-1.44e-03	-2.10e-04	2.14e-02	5.30e-03
6	44	63	0.31	-0.65	5.17e-03	-0.34	-0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.47e-03
6	44	70	0.43	-0.81	-0.21	-0.17	-0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	-4.35e-03
6	44	71	0.98	-0.29	0.46	0.23	-0.63	4.16e-02	-7.27e-04	4.06e-02	2.73e-04	6.43e-03
6	45	11	0.75	-0.48	6.76e-02	0.20	0.61	2.27e-02	-1.53e-03	-2.92e-04	2.14e-02	-5.34e-03
6	45	12	0.43	-0.84	-0.23	-0.18	0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	4.35e-03
6	45	13	0.32	-0.66	-9.67e-04	-0.34	0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	3.40e-03
6	45	14	0.98	-0.31	0.44	0.23	0.64	4.00e-02	-1.09e-03	3.90e-02	-4.45e-05	-6.46e-03
6	45	22	0.50	-0.33	5.24e-02	0.12	0.41	-1.48e-03	-2.07e-03	-1.94e-03	-1.60e-03	2.44e-04
6	45	23	0.12	-0.50	-0.11	-0.27	0.30	-5.82e-04	-2.74e-03	-2.71e-03	-6.06e-04	-2.24e-04
6	45	30	0.28	-0.13	4.94e-02	0.11	0.20	-4.11e-04	-2.58e-03	-2.58e-03	-4.16e-04	1.08e-04
6	45	31	-7.01e-02	-0.38	-0.18	-0.26	0.15	-1.66e-03	-1.87e-03	-1.69e-03	-1.84e-03	-7.25e-05
6	45	38	0.11	5.06e-02	5.06e-02	0.11	-6.37e-04	-2.19e-04	-2.51e-03	-2.51e-03	-2.20e-04	1.34e-05
6	45	39	-0.21	-0.26	-0.21	-0.26	-6.37e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	-8.63e-06
6	45	46	0.28	-0.13	4.87e-02	0.10	-0.21	-4.26e-04	-2.63e-03	-2.63e-03	-4.31e-04	-1.07e-04
6	45	47	-7.03e-02	-0.38	-0.18	-0.26	-0.15	-1.70e-03	-1.88e-03	-1.73e-03	-1.85e-03	6.86e-05
6	45	54	0.50	-0.33	5.10e-02	0.11	-0.41	-1.53e-03	-2.18e-03	-2.07e-03	-1.64e-03	-2.44e-04
6	45	55	0.11	-0.50	-0.11	-0.28	-0.30	-6.09e-04	-2.83e-03	-2.81e-03	-6.32e-04	2.24e-04
6	45	62	0.75	-0.48	6.69e-02	0.20	-0.61	2.27e-02	-1.58e-03	-3.39e-04	2.14e-02	5.34e-03
6	45	63	0.32	-0.66	-2.07e-03	-0.34	-0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.39e-03
6	45	70	0.43	-0.84	-0.23	-0.18	-0.63	2.46e-02	1.18e-02	2.29e-02	1.35e-02	-4.35e-03
6	45	71	0.98	-0.31	0.44	0.23	-0.64	4.02e-02	-1.05e-03	3.91e-02	-1.01e-05	6.47e-03
6	46	11	0.73	-0.46	7.63e-02	0.20	0.59	2.27e-02	-1.48e-03	-2.51e-04	2.14e-02	-5.30e-03
6	46	12	0.42	-0.81	-0.21	-0.17	0.62	2.61e-02	1.23e-02	2.45e-02	1.38e-02	4.35e-03
6	46	13	0.31	-0.65	3.93e-03	-0.35	0.44	-1.77e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.48e-03
6	46	14	0.98	-0.29	0.46	0.23	0.62	4.17e-02	-6.92e-04	4.07e-02	3.04e-04	-6.42e-03
6	46	22	0.47	-0.33	4.56e-02	9.61e-02	0.40	-1.72e-03	-2.67e-03	-2.62e-03	-1.78e-03	2.27e-04
6	46	23	9.39e-02	-0.50	-0.12	-0.29	0.28	-7.32e-04	-3.34e-03	-3.32e-03	-7.52e-04	-2.31e-04
6	46	30	0.26	-0.14	3.54e-02	9.00e-02	0.20	-4.61e-04	-2.72e-03	-2.71e-03	-4.67e-04	1.17e-04
6	46	31	-8.77e-02	-0.39	-0.19	-0.28	0.14	-1.79e-03	-1.93e-03	-1.84e-03	-1.89e-03	-6.64e-05
6	46	38	8.76e-02	3.34e-02	3.34e-02	8.76e-02	6.33e-04	-3.91e-04	-3.11e-03	-3.11e-03	-3.91e-04	-2.19e-05
6	46	39	-0.22	-0.28	-0.22	-0.28	6.33e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	-8.03e-06
6	46	46	0.27	-0.14	3.66e-02	9.19e-02	-0.20	-4.52e-04	-2.69e-03	-2.69e-03	-4.58e-04	-1.16e-04
6	46	47	-8.73e-02	-0.38	-0.19	-0.28	-0.14	-1.77e-03	-1.90e-03	-1.81e-03	-1.87e-03	5.69e-05
6	46	54	0.48	-0.33	4.76e-02	9.94e-02	-0.40	-1.68e-03	-2.58e-03	-2.52e-03	-1.75e-03	-2.32e-04
6	46	55	9.57e-02	-0.50	-0.12	-0.29	-0.28	-7.02e-04	-3.25e-03	-3.23e-03	-7.22e-04	2.23e-04
6	46	62	0.74	-0.46	7.73e-02	0.20	-0.59	2.27e-02	-1.45e-03	-2.15e-04	2.14e-02	5.31e-03
6	46	63	0.31	-0.65	5.31e-03	-0.34	-0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.46e-03
6	46	70	0.43	-0.81	-0.21	-0.17	-0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	-4.35e-03
6	46	71	0.98	-0.29	0.46	0.23	-0.63	4.16e-02	-7.26e-04	4.06e-02	2.76e-04	6.43e-03
6	47	11	0.75	-0.48	6.69e-02	0.20	0.61	2.27e-02	-1.58e-03	-3.37e-04	2.14e-02	-5.34e-03
6	47	12	0.43	-0.84	-0.23	-0.18	0.63	2.46e-02	1.18e-02	2.29e-02	1.35e-02	4.35e-03
6	47	13	0.32	-0.66	-2.09e-03	-0.34	0.46	-1.79e-02	-2.58e-02	-1.99e-02	-2.38e-02	3.40e-03
6	47	14	0.98	-0.31	0.44	0.23	0.64	4.02e-02	-1.05e-03	3.91e-02	-1.03e-05	-6.46e-03
6	47	22	0.50	-0.33	5.10e-02	0.11	0.41	-1.53e-03	-2.18e-03	-2.07e-03	-1.64e-03	2.42e-04
6	47	23	0.11	-0.50	-0.11	-0.28	0.30	-6.08e-04	-2.83e-03	-2.81e-03	-6.32e-04	-2.28e-04
6	47	30	0.28	-0.13	4.86e-02	0.10	0.21	-4.25e-04	-2.63e-03	-2.63e-03	-4.31e-04	1.08e-04
6	47	31	-7.03e-02	-0.38	-0.18	-0.26	0.15	-1.70e-03	-1.89e-03	-1.73e-03	-1.85e-03	-7.53e-05
6	47	38	0.11	5.06e-02	5.06e-02	0.11	6.42e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	-2.11e-05
6	47	39	-0.21	-0.26	-0.21	-0.26	6.42e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	-7.55e-06
6	47	46	0.28	-0.13	4.94e-02	0.11	-0.20	-4.11e-04	-2.58e-03	-2.58e-03	-4.16e-04	-1.07e-04
6	47	47	-7.01e-02	-0.38	-0.18	-0.26	-0.15	-1.67e-03	-1.87e-03	-1.69e-03	-1.84e-03	6.56e-05
6	47	54	0.50	-0.33	5.24e-02	0.12	-0.41	-1.47e-03	-2.07e-03	-1.94e-03	-1.60e-03	-2.47e-04
6	47	55	0.12	-0.50	-0.11	-0.27	-0.30	-5.83e-04	-2.74e-03	-2.71e-03	-6.06e-04	2.21e-04
6	47	62	0.75	-0.48	6.76e-02	0.20	-0.61	2.27e-02	-1.54e-03	-2.94e-04	2.14e-02	5.35e-03
6	47	63	0.32	-0.66	-9.59e-04	-0.34	-0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	-3.38e-03
6	47	70	0.43	-0.84	-0.23	-0.18	-0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	-4.35e-03
6	47	71	0.98	-0.31	0.44	0.23	-0.64	4.00e-02	-1.09e-03	3.90e-02	-4.41e-05	6.47e-03
6	48	11	0.74	-0.46	7.73e-02	0.20	0.59	2.27e-02	-1.44e-03	-2.16e-04	2.14e-02	-5.30e-03
6	48	12	0.43	-0.81	-0.21	-0.17	0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	4.35e-03
6	48	13	0.31	-0.65	5.31e-03	-0.34	0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	3.47e-03
6	48	14	0.98	-0.29	0.46	0.23	0.63	4.16e-02	-7.24e-04	4.06e-02	2.76e-04	-6.42e-03
6	48	22	0.48	-0.33	4.75e-02	9.93e-02	0.40	-1.68e-03	-2.58e-03	-2.52e-03	-1.75e-03	2.30e-04
6	48	23	9.57e-02	-0.50	-0.12	-0.29	0.28	-7.01e-04	-3.25e-03	-3.23e-03	-7.22e-04	-2.28e-04

6	48	30	0.27	-0.14	3.66e-02	9.19e-02	0.20	-4.52e-04	-2.69e-03	-2.69e-03	-4.58e-04	1.17e-04
6	48	31	-8.73e-02	-0.38	-0.19	-0.28	0.14	-1.77e-03	-1.91e-03	-1.81e-03	-1.87e-03	-6.35e-05
6	48	38	8.76e-02	3.34e-02	3.34e-02	8.76e-02	-6.38e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	1.43e-05
6	48	39	-0.22	-0.28	-0.22	-0.28	-6.38e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	-8.26e-06
6	48	46	0.26	-0.14	3.54e-02	9.00e-02	-0.20	-4.61e-04	-2.72e-03	-2.71e-03	-4.67e-04	-1.16e-04
6	48	47	-8.77e-02	-0.39	-0.19	-0.28	-0.14	-1.80e-03	-1.93e-03	-1.84e-03	-1.89e-03	6.00e-05
6	48	54	0.47	-0.33	4.56e-02	9.61e-02	-0.40	-1.72e-03	-2.68e-03	-2.62e-03	-1.78e-03	-2.30e-04
6	48	55	9.39e-02	-0.50	-0.12	-0.29	-0.28	-7.32e-04	-3.34e-03	-3.32e-03	-7.52e-04	2.27e-04
6	48	62	0.73	-0.46	7.63e-02	0.20	-0.59	2.27e-02	-1.48e-03	-2.49e-04	2.14e-02	5.30e-03
6	48	63	0.31	-0.65	3.94e-03	-0.35	-0.44	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.47e-03
6	48	70	0.42	-0.81	-0.21	-0.17	-0.62	2.61e-02	1.23e-02	2.45e-02	1.38e-02	-4.35e-03
6	48	71	0.98	-0.29	0.46	0.23	-0.62	4.17e-02	-6.94e-04	4.07e-02	3.04e-04	6.43e-03
6	49	11	0.75	-0.48	6.68e-02	0.20	0.61	2.27e-02	-1.57e-03	-3.32e-04	2.14e-02	-5.34e-03
6	49	12	0.43	-0.84	-0.23	-0.18	0.63	2.46e-02	1.18e-02	2.28e-02	1.35e-02	4.35e-03
6	49	13	0.32	-0.66	-2.21e-03	-0.34	0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.39e-03
6	49	14	0.98	-0.31	0.44	0.23	0.64	4.02e-02	-1.05e-03	3.91e-02	-1.29e-05	-6.47e-03
6	49	22	0.50	-0.33	5.07e-02	0.11	0.41	-1.52e-03	-2.17e-03	-2.05e-03	-1.64e-03	2.44e-04
6	49	23	0.11	-0.50	-0.11	-0.28	0.30	-6.11e-04	-2.83e-03	-2.80e-03	-6.34e-04	-2.24e-04
6	49	30	0.28	-0.13	4.84e-02	0.10	0.21	-4.23e-04	-2.62e-03	-2.61e-03	-4.28e-04	1.07e-04
6	49	31	-7.04e-02	-0.38	-0.18	-0.26	0.15	-1.70e-03	-1.88e-03	-1.73e-03	-1.85e-03	-6.87e-05
6	49	38	0.11	5.06e-02	5.06e-02	0.11	6.38e-04	-2.20e-04	-2.51e-03	-2.51e-03	-2.20e-04	-1.43e-05
6	49	39	-0.21	-0.26	-0.21	-0.26	6.38e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	8.26e-06
6	49	46	0.28	-0.13	4.96e-02	0.11	-0.20	-4.13e-04	-2.59e-03	-2.59e-03	-4.19e-04	-1.08e-04
6	49	47	-7.00e-02	-0.38	-0.18	-0.26	-0.15	-1.67e-03	-1.87e-03	-1.70e-03	-1.84e-03	7.21e-05
6	49	54	0.50	-0.33	5.27e-02	0.12	-0.41	-1.48e-03	-2.08e-03	-1.95e-03	-1.61e-03	-2.44e-04
6	49	55	0.12	-0.50	-0.11	-0.27	-0.30	-5.80e-04	-2.74e-03	-2.72e-03	-6.04e-04	2.25e-04
6	49	62	0.75	-0.48	6.78e-02	0.20	-0.61	2.27e-02	-1.54e-03	-2.99e-04	2.14e-02	5.34e-03
6	49	63	0.32	-0.66	-8.40e-04	-0.34	-0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	-3.40e-03
6	49	70	0.43	-0.84	-0.23	-0.18	-0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	-4.35e-03
6	49	71	0.99	-0.31	0.44	0.23	-0.64	4.00e-02	-1.08e-03	3.90e-02	-4.13e-05	6.46e-03
6	50	11	0.74	-0.46	7.72e-02	0.20	0.59	2.27e-02	-1.44e-03	-2.11e-04	2.14e-02	-5.31e-03
6	50	12	0.43	-0.81	-0.21	-0.17	0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	4.35e-03
6	50	13	0.31	-0.65	5.19e-03	-0.34	0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	3.46e-03
6	50	14	0.98	-0.29	0.46	0.23	0.63	4.16e-02	-7.29e-04	4.06e-02	2.73e-04	-6.43e-03
6	50	22	0.48	-0.33	4.73e-02	9.94e-02	0.40	-1.68e-03	-2.57e-03	-2.50e-03	-1.74e-03	2.32e-04
6	50	23	9.56e-02	-0.50	-0.12	-0.29	0.28	-7.04e-04	-3.25e-03	-3.23e-03	-7.24e-04	-2.24e-04
6	50	30	0.26	-0.14	3.64e-02	9.19e-02	0.20	-4.49e-04	-2.68e-03	-2.68e-03	-4.55e-04	1.16e-04
6	50	31	-8.74e-02	-0.38	-0.19	-0.28	0.14	-1.77e-03	-1.90e-03	-1.80e-03	-1.87e-03	-5.69e-05
6	50	38	8.76e-02	3.34e-02	3.34e-02	8.76e-02	-6.42e-04	-3.90e-04	-3.11e-03	-3.11e-03	-3.90e-04	2.11e-05
6	50	39	-0.22	-0.28	-0.22	-0.28	-6.42e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	7.55e-06
6	50	46	0.26	-0.14	3.56e-02	9.00e-02	-0.20	-4.64e-04	-2.73e-03	-2.72e-03	-4.70e-04	-1.17e-04
6	50	47	-8.76e-02	-0.39	-0.19	-0.28	-0.14	-1.79e-03	-1.93e-03	-1.84e-03	-1.88e-03	6.66e-05
6	50	54	0.47	-0.33	4.58e-02	9.61e-02	-0.40	-1.72e-03	-2.69e-03	-2.63e-03	-1.78e-03	-2.27e-04
6	50	55	9.40e-02	-0.50	-0.12	-0.29	-0.28	-7.29e-04	-3.34e-03	-3.32e-03	-7.50e-04	2.31e-04
6	50	62	0.73	-0.46	7.65e-02	0.20	-0.59	2.27e-02	-1.48e-03	-2.54e-04	2.14e-02	5.30e-03
6	50	63	0.31	-0.65	4.06e-03	-0.35	-0.44	-1.77e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.48e-03
6	50	70	0.42	-0.81	-0.21	-0.17	-0.62	2.61e-02	1.23e-02	2.46e-02	1.38e-02	-4.35e-03
6	50	71	0.98	-0.29	0.46	0.23	-0.62	4.17e-02	-6.89e-04	4.07e-02	3.07e-04	6.42e-03
6	51	11	0.75	-0.48	6.78e-02	0.20	0.61	2.27e-02	-1.54e-03	-2.97e-04	2.14e-02	-5.34e-03
6	51	12	0.43	-0.84	-0.23	-0.18	0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	4.35e-03
6	51	13	0.32	-0.66	-8.40e-04	-0.34	0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	3.40e-03
6	51	14	0.99	-0.31	0.44	0.23	0.64	4.00e-02	-1.08e-03	3.90e-02	-4.15e-05	-6.46e-03
6	51	22	0.50	-0.33	5.27e-02	0.12	0.41	-1.48e-03	-2.08e-03	-1.95e-03	-1.61e-03	2.45e-04
6	51	23	0.12	-0.50	-0.11	-0.27	0.30	-5.80e-04	-2.74e-03	-2.72e-03	-6.04e-04	-2.24e-04
6	51	30	0.28	-0.13	4.97e-02	0.11	0.20	-4.14e-04	-2.59e-03	-2.59e-03	-4.19e-04	1.08e-04
6	51	31	-7.00e-02	-0.38	-0.18	-0.26	0.15	-1.67e-03	-1.87e-03	-1.70e-03	-1.84e-03	-7.24e-05
6	51	38	0.11	5.06e-02	5.06e-02	0.11	-6.33e-04	-2.19e-04	-2.51e-03	-2.51e-03	-2.20e-04	1.43e-05
6	51	39	-0.21	-0.26	-0.21	-0.26	-6.33e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	-8.20e-06
6	51	46	0.28	-0.13	4.84e-02	0.10	-0.21	-4.23e-04	-2.62e-03	-2.61e-03	-4.28e-04	-1.07e-04
6	51	47	-7.04e-02	-0.38	-0.18	-0.26	-0.15	-1.70e-03	-1.88e-03	-1.73e-03	-1.85e-03	6.87e-05
6	51	54	0.50	-0.33	5.07e-02	0.11	-0.41	-1.52e-03	-2.17e-03	-2.05e-03	-1.64e-03	-2.44e-04
6	51	55	0.11	-0.50	-0.11	-0.28	-0.30	-6.11e-04	-2.83e-03	-2.80e-03	-6.34e-04	2.24e-04
6	51	62	0.75	-0.48	6.67e-02	0.20	-0.61	2.27e-02	-1.57e-03	-3.33e-04	2.14e-02	5.34e-03
6	51	63	0.32	-0.66	-2.20e-03	-0.34	-0.46	-1.79e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.39e-03
6	51	70	0.43	-0.84	-0.23	-0.18	-0.63	2.46e-02	1.18e-02	2.28e-02	1.35e-02	-4.35e-03
6	51	71	0.98	-0.31	0.44	0.23	-0.64	4.02e-02	-1.05e-03	3.91e-02	-1.30e-05	6.47e-03
6	52	11	0.73	-0.46	7.65e-02	0.20	0.59	2.27e-02	-1.48e-03	-2.56e-04	2.14e-02	-5.30e-03
6	52	12	0.42	-0.81	-0.21	-0.17	0.62	2.61e-02	1.23e-02	2.46e-02	1.38e-02	4.35e-03
6	52	13	0.31	-0.65	4.06e-03	-0.35	0.44	-1.77e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.48e-03
6	52	14	0.98	-0.29	0.46	0.23	0.62	4.17e-02	-6.89e-04	4.07e-02	3.07e-04	-6.42e-03
6	52	22	0.47	-0.33	4.58e-02	9.61e-02	0.40	-1.72e-03	-2.69e-03	-2.63e-03	-1.78e-03	2.27e-04
6	52	23	9.40e-02	-0.50	-0.12	-0.29	0.28	-7.29e-04	-3.34e-03	-3.32e-03	-7.50e-04	-2.31e-04
6	52	30	0.26	-0.14	3.56e-02	9.01e-02	0.20	-4.64e-04	-2.73e-03	-2.72e-03	-4.70e-04	1.17e-04
6	52	31	-8.76e-02	-0.39	-0.19	-0.28	0.14	-1.79e-03	-1.93e-03	-1.84e-03	-1.88e-03	-6.63e-05
6	52	38	8.76e-02	3.34e-02	3.34e-02	8.76e-02	6.37e-04	-3.91e-04	-3.11e-03	-3.11e-03	-3.91e-04	-2.11e-05
6	52	39	-0.22	-0.28	-0.22	-0.28	6.37e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	-7.61e-06
6	52	46	0.26	-0.14	3.64e-02	9.19e-02	-0.20	-4.49e-04	-2.68e-03	-2.68e-03	-4.55e-04	-1.16e-04

6	52	47	-8.74e-02	-0.38	-0.19	-0.28	-0.14	-1.77e-03	-1.90e-03	-1.80e-03	-1.87e-03	5.69e-05
6	52	54	0.48	-0.33	4.73e-02	9.94e-02	-0.40	-1.68e-03	-2.57e-03	-2.50e-03	-1.74e-03	-2.32e-04
6	52	55	9.56e-02	-0.50	-0.12	-0.29	-0.28	-7.04e-04	-3.25e-03	-3.23e-03	-7.24e-04	2.24e-04
6	52	62	0.74	-0.46	7.72e-02	0.20	-0.59	2.27e-02	-1.44e-03	-2.10e-04	2.14e-02	5.31e-03
6	52	63	0.31	-0.65	5.18e-03	-0.34	-0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.46e-03
6	52	70	0.43	-0.81	-0.21	-0.17	-0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	-4.35e-03
6	52	71	0.98	-0.29	0.46	0.23	-0.63	4.16e-02	-7.29e-04	4.06e-02	2.73e-04	6.43e-03
6	53	11	0.75	-0.48	6.76e-02	0.20	0.61	2.27e-02	-1.54e-03	-2.92e-04	2.14e-02	-5.35e-03
6	53	12	0.43	-0.84	-0.23	-0.18	0.63	2.44e-02	1.17e-02	2.27e-02	1.34e-02	4.35e-03
6	53	13	0.32	-0.66	-9.57e-04	-0.34	0.46	-1.79e-02	-2.57e-02	-1.98e-02	-2.38e-02	3.38e-03
6	53	14	0.98	-0.31	0.44	0.23	0.64	4.00e-02	-1.09e-03	3.90e-02	-4.42e-05	-6.47e-03
6	53	22	0.50	-0.33	5.24e-02	0.12	0.41	-1.47e-03	-2.07e-03	-1.94e-03	-1.60e-03	2.47e-04
6	53	23	0.12	-0.50	-0.11	-0.27	0.30	-5.83e-04	-2.74e-03	-2.71e-03	-6.06e-04	-2.20e-04
6	53	30	0.28	-0.13	4.94e-02	0.11	0.20	-4.11e-04	-2.58e-03	-2.58e-03	-4.16e-04	1.07e-04
6	53	31	-7.01e-02	-0.38	-0.18	-0.26	0.15	-1.67e-03	-1.87e-03	-1.69e-03	-1.84e-03	-6.58e-05
6	53	38	0.11	5.06e-02	5.06e-02	0.11	-6.37e-04	-2.19e-04	-2.51e-03	-2.51e-03	-2.20e-04	2.11e-05
6	53	39	-0.21	-0.26	-0.21	-0.26	-6.37e-04	-1.33e-03	-1.99e-03	-1.33e-03	-1.99e-03	7.61e-06
6	53	46	0.28	-0.13	4.87e-02	0.10	-0.21	-4.26e-04	-2.63e-03	-2.63e-03	-4.31e-04	-1.08e-04
6	53	47	-7.03e-02	-0.38	-0.18	-0.26	-0.15	-1.70e-03	-1.89e-03	-1.73e-03	-1.85e-03	7.52e-05
6	53	54	0.50	-0.33	5.10e-02	0.11	-0.41	-1.53e-03	-2.18e-02	-2.07e-03	-1.64e-03	-2.42e-04
6	53	55	0.11	-0.50	-0.11	-0.28	-0.30	-6.08e-04	-2.83e-03	-2.81e-03	-6.32e-04	2.28e-04
6	53	62	0.75	-0.48	6.69e-02	0.20	-0.61	2.27e-02	-1.58e-03	-3.39e-04	2.14e-02	5.34e-03
6	53	63	0.32	-0.66	-2.08e-03	-0.34	-0.46	-1.79e-02	-2.58e-02	-1.99e-02	-2.38e-02	-3.40e-03
6	53	70	0.43	-0.84	-0.23	-0.18	-0.63	2.46e-02	1.18e-02	2.29e-02	1.35e-02	-4.35e-03
6	53	71	0.98	-0.31	0.44	0.23	-0.64	4.02e-02	-1.05e-03	3.91e-02	-1.02e-05	6.46e-03
6	54	11	0.73	-0.46	7.63e-02	0.20	0.59	2.27e-02	-1.48e-03	-2.51e-04	2.14e-02	-5.30e-03
6	54	12	0.42	-0.81	-0.21	-0.17	0.62	2.61e-02	1.23e-02	2.45e-02	1.38e-02	4.35e-03
6	54	13	0.31	-0.65	3.94e-03	-0.35	0.44	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.47e-03
6	54	14	0.98	-0.29	0.46	0.23	0.62	4.17e-02	-6.94e-04	4.07e-02	3.04e-04	-6.43e-03
6	54	22	0.47	-0.33	4.56e-02	9.61e-02	0.40	-1.72e-03	-2.68e-03	-2.62e-03	-1.78e-03	2.29e-04
6	54	23	9.39e-02	-0.50	-0.12	-0.29	0.28	-7.32e-04	-3.34e-03	-3.32e-03	-7.52e-04	-2.28e-04
6	54	30	0.26	-0.14	3.54e-02	9.00e-02	0.20	-4.61e-04	-2.72e-03	-2.71e-03	-4.67e-04	1.16e-04
6	54	31	-8.77e-02	-0.39	-0.19	-0.28	0.14	-1.80e-03	-1.93e-03	-1.84e-03	-1.89e-03	-5.97e-05
6	54	38	8.76e-02	3.34e-02	3.34e-02	8.76e-02	6.33e-04	-3.91e-04	-3.11e-03	-3.11e-03	-3.91e-04	-1.43e-05
6	54	39	-0.22	-0.28	-0.22	-0.28	6.33e-04	-1.92e-03	-2.16e-03	-1.92e-03	-2.16e-03	8.20e-06
6	54	46	0.27	-0.14	3.66e-02	9.19e-02	-0.20	-4.52e-04	-2.69e-03	-2.69e-03	-4.58e-04	-1.17e-04
6	54	47	-8.73e-02	-0.38	-0.19	-0.28	-0.14	-1.77e-03	-1.91e-03	-1.81e-03	-1.87e-03	6.35e-05
6	54	54	0.48	-0.33	4.75e-02	9.94e-02	-0.40	-1.68e-03	-2.58e-03	-2.52e-03	-1.75e-03	-2.30e-04
6	54	55	9.57e-02	-0.50	-0.12	-0.29	-0.28	-7.01e-04	-3.25e-03	-3.23e-03	-7.22e-04	2.27e-04
6	54	62	0.74	-0.46	7.73e-02	0.20	-0.59	2.27e-02	-1.44e-03	-2.15e-04	2.14e-02	5.30e-03
6	54	63	0.31	-0.65	5.30e-03	-0.34	-0.44	-1.77e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.47e-03
6	54	70	0.43	-0.81	-0.21	-0.17	-0.62	2.59e-02	1.22e-02	2.44e-02	1.38e-02	-4.35e-03
6	54	71	0.98	-0.29	0.46	0.23	-0.63	4.16e-02	-7.24e-04	4.06e-02	2.76e-04	6.43e-03
6	55	11	0.76	-0.50	5.47e-02	0.20	0.62	2.27e-02	-1.73e-03	-4.77e-04	2.14e-02	-5.38e-03
6	55	12	0.43	-0.87	-0.25	-0.18	0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	4.35e-03
6	55	13	0.33	-0.68	-1.08e-02	-0.34	0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	3.31e-03
6	55	14	0.99	-0.34	0.43	0.22	0.66	3.86e-02	-1.43e-03	3.75e-02	-3.45e-04	-6.50e-03
6	55	22	0.52	-0.34	5.49e-02	0.13	0.43	-1.27e-03	-1.78e-03	-1.54e-03	-1.52e-03	2.57e-04
6	55	23	0.13	-0.50	-0.11	-0.26	0.31	-5.00e-04	-2.34e-03	-2.31e-03	-5.28e-04	-2.26e-04
6	55	30	0.31	-0.12	6.26e-02	0.12	0.21	-3.94e-04	-2.56e-03	-2.55e-03	-3.98e-04	9.67e-05
6	55	31	-5.05e-02	-0.37	-0.17	-0.25	0.16	-1.61e-03	-1.86e-03	-1.64e-03	-1.83e-03	-8.47e-05
6	55	38	0.13	7.06e-02	7.06e-02	0.13	2.13e-03	-1.94e-05	-1.81e-03	-1.81e-03	-2.13e-05	-5.76e-05
6	55	39	-0.19	-0.24	-0.19	-0.24	2.13e-03	-6.52e-04	-1.80e-03	-6.52e-04	-1.80e-03	3.68e-06
6	55	46	0.31	-0.12	6.59e-02	0.13	-0.21	-3.53e-04	-2.43e-03	-2.42e-03	-3.58e-04	-9.74e-05
6	55	47	-4.95e-02	-0.37	-0.17	-0.24	-0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	7.63e-05
6	55	54	0.53	-0.33	6.05e-02	0.14	-0.43	-9.85e-04	-1.57e-03	-1.15e-03	-1.41e-03	-2.65e-04
6	55	55	0.14	-0.49	-0.10	-0.25	-0.31	-4.05e-04	-2.04e-03	-2.01e-03	-4.34e-04	2.16e-04
6	55	62	0.76	-0.50	5.75e-02	0.21	-0.63	2.27e-02	-1.61e-03	-3.49e-04	2.15e-02	5.40e-03
6	55	63	0.33	-0.67	-6.64e-03	-0.33	-0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.29e-03
6	55	70	0.44	-0.87	-0.25	-0.18	-0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	-4.35e-03
6	55	71	0.99	-0.34	0.43	0.22	-0.66	3.80e-02	-1.55e-03	3.69e-02	-4.49e-04	6.51e-03
6	56	11	0.72	-0.44	8.94e-02	0.20	0.58	2.27e-02	-1.29e-03	-7.32e-05	2.15e-02	-5.26e-03
6	56	12	0.42	-0.78	-0.19	-0.17	0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	4.35e-03
6	56	13	0.30	-0.63	1.39e-02	-0.35	0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	3.55e-03
6	56	14	0.97	-0.27	0.47	0.23	0.61	4.32e-02	-3.50e-04	4.22e-02	6.08e-04	-6.39e-03
6	56	22	0.45	-0.33	4.34e-02	8.41e-02	0.39	-1.83e-03	-3.08e-03	-3.04e-03	-1.87e-03	2.17e-04
6	56	23	7.50e-02	-0.50	-0.12	-0.30	0.27	-8.10e-04	-3.74e-03	-3.73e-03	-8.27e-04	-2.25e-04
6	56	30	0.24	-0.14	2.25e-02	7.68e-02	0.19	-4.81e-04	-2.76e-03	-2.75e-03	-4.89e-04	1.27e-04
6	56	31	-0.11	-0.39	-0.20	-0.29	0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	-4.54e-05
6	56	38	6.34e-02	1.33e-02	1.34e-02	6.33e-02	-2.13e-03	-5.88e-04	-3.82e-03	-3.82e-03	-5.89e-04	6.02e-05
6	56	39	-0.24	-0.30	-0.24	-0.30	-2.13e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	1.32e-06
6	56	46	0.24	-0.15	1.91e-02	7.07e-02	-0.19	-5.20e-04	-2.88e-03	-2.88e-03	-5.27e-04	-1.27e-04
6	56	47	-0.11	-0.40	-0.21	-0.30	-0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	5.78e-05
6	56	54	0.44	-0.33	3.77e-02	7.34e-02	-0.39	-1.95e-03	-3.44e-03	-3.41e-03	-1.98e-03	-2.08e-04
6	56	55	6.94e-02	-0.51	-0.12	-0.31	-0.27	-9.04e-04	-4.04e-03	-4.02e-03	-9.22e-04	2.37e-04
6	56	62	0.72	-0.44	8.65e-02	0.19	-0.58	2.26e-02	-1.40e-03	-1.98e-04	2.14e-02	5.25e-03
6	56	63	0.29	-0.63	9.70e-03	-0.35	-0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	-3.57e-03

6	56	70	0.42	-0.78	-0.19	-0.17	-0.60	2.81e-02	1.29e-02	2.67e-02	1.42e-02	-4.35e-03
6	56	71	0.97	-0.27	0.47	0.23	-0.60	4.37e-02	-2.35e-04	4.27e-02	7.11e-04	6.38e-03
6	57	11	0.76	-0.50	5.47e-02	0.20	0.62	2.27e-02	-1.73e-03	-4.75e-04	2.14e-02	-5.38e-03
6	57	12	0.43	-0.87	-0.25	-0.18	0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	4.35e-03
6	57	13	0.33	-0.68	-1.08e-02	-0.34	0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	3.32e-03
6	57	14	0.99	-0.34	0.43	0.22	0.66	3.86e-02	-1.43e-03	3.75e-02	-3.46e-04	-6.50e-03
6	57	22	0.52	-0.34	5.48e-02	0.13	0.43	-1.27e-03	-1.78e-03	-1.53e-03	-1.52e-03	2.57e-04
6	57	23	0.13	-0.50	-0.11	-0.26	0.31	-5.00e-04	-2.34e-03	-2.31e-03	-5.28e-04	-2.27e-04
6	57	30	0.31	-0.12	6.25e-02	0.12	0.21	-3.93e-04	-2.55e-03	-2.55e-03	-3.97e-04	9.70e-05
6	57	31	-5.05e-02	-0.37	-0.17	-0.25	0.16	-1.61e-03	-1.87e-03	-1.64e-03	-1.83e-03	-8.67e-05
6	57	38	0.13	7.06e-02	7.06e-02	0.13	2.13e-03	-1.93e-05	-1.81e-03	-1.81e-03	-2.13e-05	-6.02e-05
6	57	39	-0.19	-0.24	-0.19	-0.24	2.13e-03	-6.52e-04	-1.80e-03	-6.52e-04	-1.80e-03	-1.32e-06
6	57	46	0.31	-0.12	6.60e-02	0.13	-0.21	-3.54e-04	-2.43e-03	-2.42e-03	-3.59e-04	-9.71e-05
6	57	47	-4.95e-02	-0.37	-0.17	-0.24	-0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	7.43e-05
6	57	54	0.53	-0.33	6.06e-02	0.14	-0.43	-9.89e-04	-1.58e-03	-1.16e-03	-1.41e-03	-2.66e-04
6	57	55	0.14	-0.49	-0.10	-0.25	-0.31	-4.05e-04	-2.04e-03	-2.01e-03	-4.33e-04	2.15e-04
6	57	62	0.76	-0.50	5.76e-02	0.21	-0.63	2.27e-02	-1.61e-03	-3.50e-04	2.15e-02	5.40e-03
6	57	63	0.33	-0.67	-6.60e-03	-0.33	-0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.29e-03
6	57	70	0.44	-0.87	-0.25	-0.18	-0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	-4.35e-03
6	57	71	0.99	-0.34	0.43	0.22	-0.66	3.81e-02	-1.55e-03	3.69e-02	-4.48e-04	6.51e-03
6	58	11	0.72	-0.44	8.93e-02	0.20	0.58	2.27e-02	-1.29e-03	-7.15e-05	2.15e-02	-5.26e-03
6	58	12	0.42	-0.78	-0.19	-0.17	0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	4.35e-03
6	58	13	0.30	-0.63	1.39e-02	-0.35	0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	3.55e-03
6	58	14	0.97	-0.27	0.47	0.23	0.61	4.32e-02	-3.51e-04	4.22e-02	6.07e-04	-6.39e-03
6	58	22	0.45	-0.33	4.34e-02	8.41e-02	0.39	-1.83e-03	-3.07e-03	-3.04e-03	-1.87e-03	2.17e-04
6	58	23	7.49e-02	-0.50	-0.12	-0.30	0.27	-8.11e-04	-3.74e-03	-3.72e-03	-8.28e-04	-2.26e-04
6	58	30	0.24	-0.14	2.24e-02	7.68e-02	0.19	-4.81e-04	-2.76e-03	-2.75e-03	-4.88e-04	1.27e-04
6	58	31	-0.11	-0.39	-0.20	-0.29	0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	-4.74e-05
6	58	38	6.34e-02	1.33e-02	1.34e-02	6.33e-02	-2.13e-03	-5.88e-04	-3.82e-03	-3.82e-03	-5.89e-04	5.76e-05
6	58	39	-0.24	-0.30	-0.24	-0.30	-2.13e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	-3.68e-06
6	58	46	0.24	-0.15	1.91e-02	7.07e-02	-0.19	-5.21e-04	-2.89e-03	-2.88e-03	-5.28e-04	-1.27e-04
6	58	47	-0.11	-0.40	-0.21	-0.30	-0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	5.58e-05
6	58	54	0.44	-0.33	3.78e-02	7.33e-02	-0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	-2.09e-04
6	58	55	6.94e-02	-0.51	-0.12	-0.31	-0.27	-9.04e-04	-4.04e-03	-4.02e-03	-9.22e-04	2.36e-04
6	58	62	0.72	-0.44	8.65e-02	0.19	-0.58	2.26e-02	-1.41e-03	-2.00e-04	2.14e-02	5.25e-03
6	58	63	0.29	-0.63	9.74e-03	-0.35	-0.43	-1.76e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.57e-03
6	58	70	0.42	-0.78	-0.19	-0.17	-0.60	2.81e-02	1.29e-02	2.67e-02	1.42e-02	-4.35e-03
6	58	71	0.97	-0.27	0.47	0.23	-0.60	4.37e-02	-2.35e-04	4.28e-02	7.12e-04	6.38e-03
6	59	11	0.76	-0.50	5.47e-02	0.20	0.62	2.27e-02	-1.73e-03	-4.77e-04	2.14e-02	-5.38e-03
6	59	12	0.43	-0.87	-0.25	-0.18	0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	4.35e-03
6	59	13	0.33	-0.68	-1.08e-02	-0.34	0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	3.32e-03
6	59	14	0.99	-0.34	0.43	0.22	0.66	3.86e-02	-1.43e-03	3.75e-02	-3.45e-04	-6.50e-03
6	59	22	0.52	-0.34	5.49e-02	0.13	0.43	-1.27e-03	-1.78e-03	-1.54e-03	-1.52e-03	2.57e-04
6	59	23	0.13	-0.50	-0.11	-0.26	0.31	-4.99e-04	-2.34e-03	-2.31e-03	-5.28e-04	-2.27e-04
6	59	30	0.31	-0.12	6.26e-02	0.12	0.21	-3.94e-04	-2.56e-03	-2.55e-03	-3.98e-04	9.69e-05
6	59	31	-5.05e-02	-0.37	-0.17	-0.25	0.16	-1.61e-03	-1.87e-03	-1.64e-03	-1.83e-03	-8.67e-05
6	59	38	0.13	7.06e-02	7.06e-02	0.13	2.13e-03	-1.93e-05	-1.81e-03	-1.81e-03	-2.13e-05	-5.99e-05
6	59	39	-0.19	-0.24	-0.19	-0.24	2.13e-03	-6.52e-04	-1.80e-03	-6.52e-04	-1.80e-03	-1.19e-06
6	59	46	0.31	-0.12	6.59e-02	0.13	-0.21	-3.53e-04	-2.43e-03	-2.42e-03	-3.58e-04	-9.72e-05
6	59	47	-4.95e-02	-0.37	-0.17	-0.24	-0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	7.43e-05
6	59	54	0.53	-0.33	6.05e-02	0.14	-0.43	-9.85e-04	-1.57e-03	-1.15e-03	-1.41e-03	-2.66e-04
6	59	55	0.14	-0.49	-0.10	-0.25	-0.31	-4.05e-04	-2.04e-03	-2.01e-03	-4.34e-04	2.15e-04
6	59	62	0.76	-0.50	5.75e-02	0.21	-0.63	2.27e-02	-1.61e-03	-3.49e-04	2.15e-02	5.40e-03
6	59	63	0.33	-0.67	-6.64e-03	-0.33	-0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.29e-03
6	59	70	0.44	-0.87	-0.25	-0.18	-0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	-4.35e-03
6	59	71	0.99	-0.34	0.43	0.22	-0.66	3.80e-02	-1.55e-03	3.69e-02	-4.49e-04	6.51e-03
6	60	11	0.72	-0.44	8.94e-02	0.20	0.58	2.27e-02	-1.29e-03	-7.31e-05	2.15e-02	-5.26e-03
6	60	12	0.42	-0.78	-0.19	-0.17	0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	4.35e-03
6	60	13	0.30	-0.63	1.39e-02	-0.35	0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	3.55e-03
6	60	14	0.97	-0.27	0.47	0.23	0.61	4.32e-02	-3.50e-04	4.22e-02	6.08e-04	-6.39e-03
6	60	22	0.45	-0.33	4.34e-02	8.41e-02	0.39	-1.83e-03	-3.08e-03	-3.04e-03	-1.87e-03	2.17e-04
6	60	23	7.50e-02	-0.50	-0.12	-0.30	0.27	-8.10e-04	-3.74e-03	-3.73e-03	-8.27e-04	-2.26e-04
6	60	30	0.24	-0.14	2.25e-02	7.68e-02	0.19	-4.81e-04	-2.76e-03	-2.75e-03	-4.89e-04	1.27e-04
6	60	31	-0.11	-0.39	-0.20	-0.29	0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	-4.74e-05
6	60	38	6.34e-02	1.33e-02	1.34e-02	6.33e-02	-2.13e-03	-5.88e-04	-3.82e-03	-3.82e-03	-5.89e-04	5.79e-05
6	60	39	-0.24	-0.30	-0.24	-0.30	-2.13e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	-3.55e-06
6	60	46	0.24	-0.15	1.91e-02	7.07e-02	-0.19	-5.20e-04	-2.88e-03	-2.88e-03	-5.27e-04	-1.27e-04
6	60	47	-0.11	-0.40	-0.21	-0.30	-0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	5.59e-05
6	60	54	0.44	-0.33	3.77e-02	7.34e-02	-0.39	-1.95e-03	-3.44e-03	-3.41e-03	-1.98e-03	-2.09e-04
6	60	55	6.94e-02	-0.51	-0.12	-0.31	-0.27	-9.05e-04	-4.04e-03	-4.02e-03	-9.22e-04	2.36e-04
6	60	62	0.72	-0.44	8.65e-02	0.19	-0.58	2.26e-02	-1.41e-03	-1.98e-04	2.14e-02	5.25e-03
6	60	63	0.29	-0.63	9.71e-03	-0.35	-0.43	-1.76e-02	-2.58e-02	-1.97e-02	-2.38e-02	-3.57e-03
6	60	70	0.42	-0.78	-0.19	-0.17	-0.60	2.81e-02	1.29e-02	2.67e-02	1.42e-02	-4.35e-03
6	60	71	0.97	-0.27	0.47	0.23	-0.60	4.37e-02	-2.35e-04	4.27e-02	7.11e-04	6.38e-03
6	61	11	0.76	-0.50	5.47e-02	0.20	0.62	2.27e-02	-1.73e-03	-4.75e-04	2.14e-02	-5.38e-03
6	61	12	0.43	-0.87	-0.25	-0.18	0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	4.35e-03
6	61	13	0.33	-0.68	-1.08e-02	-0.34	0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	3.31e-03

6	61	14	0.99	-0.34	0.43	0.22	0.66	3.86e-02	-1.43e-03	3.75e-02	-3.46e-04	-6.50e-03
6	61	22	0.52	-0.34	5.48e-02	0.13	0.43	-1.27e-03	-1.78e-03	-1.53e-03	-1.52e-03	2.57e-04
6	61	23	0.13	-0.50	-0.11	-0.26	0.31	-5.00e-04	-2.34e-03	-2.31e-03	-5.28e-04	-2.26e-04
6	61	30	0.31	-0.12	6.25e-02	0.12	0.21	-3.93e-04	-2.55e-03	-2.55e-03	-3.97e-04	9.68e-05
6	61	31	-5.05e-02	-0.37	-0.17	-0.25	0.16	-1.61e-03	-1.86e-03	-1.64e-03	-1.83e-03	-8.47e-05
6	61	38	0.13	7.06e-02	7.06e-02	0.13	2.13e-03	-1.94e-05	-1.81e-03	-1.81e-03	-2.13e-05	-5.79e-05
6	61	39	-0.19	-0.24	-0.19	-0.24	2.13e-03	-6.52e-04	-1.80e-03	-6.52e-04	-1.80e-03	3.55e-06
6	61	46	0.31	-0.12	6.59e-02	0.13	-0.21	-3.54e-04	-2.43e-03	-2.42e-03	-3.59e-04	-9.73e-05
6	61	47	-4.95e-02	-0.37	-0.17	-0.24	-0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	7.63e-05
6	61	54	0.53	-0.33	6.06e-02	0.14	-0.43	-9.89e-04	-1.58e-03	-1.16e-03	-1.41e-03	-2.65e-04
6	61	55	0.14	-0.49	-0.10	-0.25	-0.31	-4.04e-04	-2.04e-03	-2.01e-03	-4.33e-04	2.16e-04
6	61	62	0.76	-0.50	5.76e-02	0.21	-0.63	2.27e-02	-1.61e-03	-3.50e-04	2.15e-02	5.40e-03
6	61	63	0.33	-0.67	-6.60e-03	-0.33	-0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	-3.29e-03
6	61	70	0.44	-0.87	-0.25	-0.18	-0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	-4.35e-03
6	61	71	0.99	-0.34	0.43	0.22	-0.66	3.81e-02	-1.55e-03	3.69e-02	-4.49e-04	6.51e-03
6	62	11	0.72	-0.44	8.93e-02	0.20	0.58	2.27e-02	-1.29e-03	-7.15e-05	2.15e-02	-5.26e-03
6	62	12	0.42	-0.78	-0.19	-0.17	0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	4.35e-03
6	62	13	0.30	-0.63	1.39e-02	-0.35	0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	3.55e-03
6	62	14	0.97	-0.27	0.47	0.23	0.61	4.32e-02	-3.51e-04	4.22e-02	6.08e-04	-6.39e-03
6	62	22	0.45	-0.33	4.34e-02	8.41e-02	0.39	-1.83e-03	-3.07e-03	-3.04e-03	-1.87e-03	2.17e-04
6	62	23	7.49e-02	-0.50	-0.12	-0.30	0.27	-8.11e-04	-3.74e-03	-3.72e-03	-8.28e-04	-2.25e-04
6	62	30	0.24	-0.14	2.24e-02	7.68e-02	0.19	-4.81e-04	-2.76e-03	-2.75e-03	-4.88e-04	1.27e-04
6	62	31	-0.11	-0.39	-0.20	-0.29	0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	-4.54e-05
6	62	38	6.34e-02	1.33e-02	1.34e-02	6.33e-02	-2.13e-03	-5.88e-04	-3.82e-03	-3.82e-03	-5.89e-04	5.99e-05
6	62	39	-0.24	-0.30	-0.24	-0.30	-2.13e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	1.19e-06
6	62	46	0.24	-0.15	1.91e-02	7.07e-02	-0.19	-5.21e-04	-2.89e-03	-2.88e-03	-5.28e-04	-1.27e-04
6	62	47	-0.11	-0.40	-0.21	-0.30	-0.14	-1.91e-03	-2.05e-03	-2.01e-03	-1.94e-03	5.78e-05
6	62	54	0.44	-0.33	3.78e-02	7.33e-02	-0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	-2.08e-04
6	62	55	6.94e-02	-0.51	-0.12	-0.31	-0.27	-9.04e-04	-4.04e-03	-4.02e-03	-9.22e-04	2.37e-04
6	62	62	0.72	-0.44	8.65e-02	0.19	-0.58	2.26e-02	-1.41e-03	-2.00e-04	2.14e-02	5.25e-03
6	62	63	0.29	-0.63	9.74e-03	-0.35	-0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	-3.57e-03
6	62	70	0.42	-0.78	-0.19	-0.17	-0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	-4.35e-03
6	62	71	0.97	-0.27	0.47	0.23	-0.60	4.37e-02	-2.34e-04	4.28e-02	7.12e-04	6.38e-03
6	63	11	0.76	-0.50	5.76e-02	0.21	0.63	2.27e-02	-1.61e-03	-3.44e-04	2.15e-02	-5.40e-03
6	63	12	0.44	-0.87	-0.25	-0.18	0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	4.35e-03
6	63	13	0.33	-0.67	-6.60e-03	-0.33	0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.29e-03
6	63	14	0.99	-0.34	0.43	0.22	0.66	3.80e-02	-1.55e-03	3.69e-02	-4.49e-04	-6.51e-03
6	63	22	0.53	-0.33	6.06e-02	0.14	0.43	-9.90e-04	-1.58e-03	-1.16e-03	-1.41e-03	2.66e-04
6	63	23	0.14	-0.49	-0.10	-0.25	0.31	-4.05e-04	-2.04e-03	-2.01e-03	-4.34e-04	-2.13e-04
6	63	30	0.31	-0.12	6.60e-02	0.13	0.21	-3.54e-04	-2.43e-03	-2.43e-03	-3.59e-04	9.72e-05
6	63	31	-4.95e-02	-0.37	-0.17	-0.24	0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	-7.52e-05
6	63	38	0.13	7.06e-02	7.07e-02	0.13	-2.12e-03	-1.77e-05	-1.80e-03	-1.80e-03	-1.98e-05	6.02e-05
6	63	39	-0.19	-0.24	-0.19	-0.24	-2.12e-03	-6.51e-04	-1.80e-03	-6.51e-04	-1.80e-03	1.51e-06
6	63	46	0.31	-0.12	6.26e-02	0.12	-0.21	-3.93e-04	-2.55e-03	-2.55e-03	-3.98e-04	-9.75e-05
6	63	47	-5.05e-02	-0.37	-0.17	-0.25	-0.16	-1.61e-03	-1.87e-03	-1.64e-03	-1.83e-03	8.66e-05
6	63	54	0.52	-0.34	5.48e-02	0.13	-0.43	-1.27e-03	-1.78e-03	-1.53e-03	-1.52e-03	2.57e-04
6	63	55	0.13	-0.50	-0.11	-0.26	-0.31	-4.99e-04	-2.34e-03	-2.31e-03	-5.28e-04	2.28e-04
6	63	62	0.76	-0.50	5.47e-02	0.20	-0.62	2.27e-02	-1.73e-03	-4.79e-04	2.14e-02	5.38e-03
6	63	63	0.33	-0.68	-1.08e-02	-0.34	-0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	-3.32e-03
6	63	70	0.43	-0.87	-0.25	-0.18	-0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	-4.35e-03
6	63	71	0.99	-0.34	0.43	0.22	-0.66	3.85e-02	-1.43e-03	3.75e-02	-3.46e-04	6.50e-03
6	64	11	0.72	-0.44	8.66e-02	0.19	0.58	2.26e-02	-1.41e-03	-2.06e-04	2.14e-02	-5.25e-03
6	64	12	0.42	-0.78	-0.19	-0.17	0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	4.35e-03
6	64	13	0.29	-0.63	9.74e-03	-0.35	0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	3.57e-03
6	64	14	0.97	-0.27	0.47	0.23	0.60	4.37e-02	-2.34e-04	4.28e-02	7.13e-04	-6.38e-03
6	64	22	0.44	-0.33	3.78e-02	7.33e-02	0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	2.08e-04
6	64	23	6.95e-02	-0.51	-0.12	-0.31	0.27	-9.03e-04	-4.04e-03	-4.03e-03	-9.21e-04	-2.38e-04
6	64	30	0.24	-0.15	1.91e-02	7.07e-02	0.19	-5.21e-04	-2.88e-03	-2.88e-03	-5.28e-04	1.26e-04
6	64	31	-0.11	-0.40	-0.21	-0.30	0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	-5.49e-05
6	64	38	6.34e-02	1.33e-02	1.34e-02	6.33e-02	2.12e-03	-5.90e-04	-3.82e-03	-3.82e-03	-5.91e-04	-5.76e-05
6	64	39	-0.24	-0.30	-0.24	-0.30	2.12e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	3.49e-06
6	64	46	0.24	-0.14	2.24e-02	7.68e-02	-0.19	-4.80e-04	-2.76e-03	-2.75e-03	-4.87e-04	-1.27e-04
6	64	47	-0.11	-0.39	-0.20	-0.29	-0.13	-1.84e-03	-1.94e-03	-1.89e-03	-1.89e-03	4.75e-05
6	64	54	0.45	-0.33	4.34e-02	8.42e-02	-0.39	-1.83e-03	-3.07e-03	-3.03e-03	-1.87e-03	-2.17e-04
6	64	55	7.49e-02	-0.50	-0.12	-0.30	-0.27	-8.11e-04	-3.74e-03	-3.72e-03	-8.28e-04	2.25e-04
6	64	62	0.72	-0.44	8.94e-02	0.20	-0.58	2.27e-02	-1.28e-03	-6.78e-05	2.15e-02	5.26e-03
6	64	63	0.30	-0.63	1.38e-02	-0.35	-0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	-3.55e-03
6	64	70	0.42	-0.78	-0.19	-0.17	-0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	-4.35e-03
6	64	71	0.97	-0.27	0.47	0.23	-0.61	4.32e-02	-3.51e-04	4.22e-02	6.08e-04	6.39e-03
6	65	11	0.76	-0.50	5.75e-02	0.21	0.63	2.27e-02	-1.60e-03	-3.42e-04	2.15e-02	-5.40e-03
6	65	12	0.44	-0.87	-0.25	-0.18	0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	4.35e-03
6	65	13	0.33	-0.67	-6.64e-03	-0.33	0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.29e-03
6	65	14	0.99	-0.34	0.43	0.22	0.66	3.80e-02	-1.55e-03	3.69e-02	-4.50e-04	-6.51e-03
6	65	22	0.53	-0.33	6.05e-02	0.14	0.43	-9.87e-04	-1.57e-03	-1.15e-03	-1.41e-03	2.66e-04
6	65	23	0.14	-0.49	-0.10	-0.25	0.31	-4.06e-04	-2.04e-03	-2.01e-03	-4.34e-04	-2.14e-04
6	65	30	0.31	-0.12	6.59e-02	0.13	0.21	-3.53e-04	-2.43e-03	-2.42e-03	-3.58e-04	9.75e-05
6	65	31	-4.95e-02	-0.37	-0.17	-0.24	0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	-7.72e-05

6	65	38	0.13	7.06e-02	7.07e-02	0.13	-2.12e-03	-1.79e-05	-1.80e-03	-1.80e-03	-1.98e-05	5.76e-05
6	65	39	-0.19	-0.24	-0.19	-0.24	-2.12e-03	-6.51e-04	-1.80e-03	-6.51e-04	-1.80e-03	-3.49e-06
6	65	46	0.31	-0.12	6.26e-02	0.12	-0.21	-3.94e-04	-2.56e-03	-2.56e-03	-3.99e-04	-9.72e-05
6	65	47	-5.05e-02	-0.37	-0.17	-0.25	-0.16	-1.61e-03	-1.86e-03	-1.65e-03	-1.83e-03	8.46e-05
6	65	54	0.52	-0.34	5.49e-02	0.13	-0.43	-1.27e-03	-1.78e-03	-1.54e-03	-1.52e-03	-2.57e-04
6	65	55	0.13	-0.50	-0.11	-0.26	-0.31	-4.99e-04	-2.34e-03	-2.31e-03	-5.27e-04	2.27e-04
6	65	62	0.76	-0.50	5.47e-02	0.20	-0.62	2.27e-02	-1.73e-03	-4.80e-04	2.14e-02	5.38e-03
6	65	63	0.33	-0.68	-1.07e-02	-0.34	-0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	-3.31e-03
6	65	70	0.43	-0.87	-0.25	-0.18	-0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	-4.35e-03
6	65	71	0.99	-0.34	0.43	0.22	-0.66	3.86e-02	-1.43e-03	3.75e-02	-3.45e-04	6.50e-03
6	66	11	0.72	-0.44	8.65e-02	0.19	0.58	2.26e-02	-1.41e-03	-2.05e-04	2.14e-02	-5.25e-03
6	66	12	0.42	-0.78	-0.19	-0.17	0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	4.35e-03
6	66	13	0.29	-0.63	9.70e-03	-0.35	0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	3.57e-03
6	66	14	0.97	-0.27	0.47	0.23	0.60	4.37e-02	-2.34e-04	4.28e-02	7.12e-04	-6.38e-03
6	66	22	0.44	-0.33	3.77e-02	7.34e-02	0.39	-1.95e-03	-3.44e-03	-3.41e-03	-1.98e-03	2.08e-04
6	66	23	6.94e-02	-0.51	-0.12	-0.31	0.27	-9.04e-04	-4.04e-03	-4.02e-03	-9.22e-04	-2.39e-04
6	66	30	0.24	-0.15	1.91e-02	7.07e-02	0.19	-5.20e-04	-2.88e-03	-2.87e-03	-5.27e-04	1.27e-04
6	66	31	-0.11	-0.40	-0.21	-0.30	0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	-5.69e-05
6	66	38	6.34e-02	1.33e-02	1.34e-02	6.33e-02	2.12e-03	-5.89e-04	-3.82e-03	-3.82e-03	-5.91e-04	-6.02e-05
6	66	39	-0.24	-0.30	-0.24	-0.30	2.12e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	-1.51e-06
6	66	46	0.24	-0.14	2.25e-02	7.68e-02	-0.19	-4.81e-04	-2.76e-03	-2.75e-03	-4.88e-04	-1.27e-04
6	66	47	-0.11	-0.39	-0.20	-0.29	-0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	4.55e-05
6	66	54	0.45	-0.33	4.34e-02	8.42e-02	-0.39	-1.83e-03	-3.08e-03	-3.04e-03	-1.87e-03	-2.18e-04
6	66	55	7.50e-02	-0.50	-0.12	-0.30	-0.27	-8.11e-04	-3.74e-03	-3.73e-03	-8.28e-04	2.24e-04
6	66	62	0.73	-0.44	8.94e-02	0.20	-0.58	2.27e-02	-1.29e-03	-6.95e-05	2.15e-02	5.26e-03
6	66	63	0.30	-0.63	1.39e-02	-0.35	-0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	-3.55e-03
6	66	70	0.42	-0.78	-0.19	-0.17	-0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	-4.35e-03
6	66	71	0.97	-0.27	0.47	0.23	-0.61	4.32e-02	-3.50e-04	4.22e-02	6.09e-04	6.39e-03
6	67	11	0.76	-0.50	5.76e-02	0.21	0.63	2.27e-02	-1.61e-03	-3.43e-04	2.15e-02	-5.40e-03
6	67	12	0.44	-0.87	-0.25	-0.18	0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	4.35e-03
6	67	13	0.33	-0.67	-6.60e-03	-0.33	0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.29e-03
6	67	14	0.99	-0.34	0.43	0.22	0.66	3.80e-02	-1.55e-03	3.69e-02	-4.49e-04	-6.51e-03
6	67	22	0.53	-0.33	6.06e-02	0.14	0.43	-9.90e-04	-1.58e-03	-1.16e-03	-1.41e-03	2.66e-04
6	67	23	0.14	-0.49	-0.10	-0.25	0.31	-4.05e-04	-2.04e-03	-2.01e-03	-4.34e-04	-2.14e-04
6	67	30	0.31	-0.12	6.60e-02	0.13	0.21	-3.54e-04	-2.43e-03	-2.43e-03	-3.59e-04	9.74e-05
6	67	31	-4.95e-02	-0.37	-0.17	-0.24	0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	-7.72e-05
6	67	38	0.13	7.06e-02	7.07e-02	0.13	-2.12e-03	-1.79e-05	-1.80e-03	-1.80e-03	-1.98e-05	5.79e-05
6	67	39	-0.19	-0.24	-0.19	-0.24	-2.12e-03	-6.51e-04	-1.80e-03	-6.51e-04	-1.80e-03	-3.36e-06
6	67	46	0.31	-0.12	6.26e-02	0.12	-0.21	-3.93e-04	-2.55e-03	-2.55e-03	-3.98e-04	-9.73e-05
6	67	47	-5.05e-02	-0.37	-0.17	-0.25	-0.16	-1.61e-03	-1.86e-03	-1.64e-03	-1.83e-03	8.47e-05
6	67	54	0.52	-0.34	5.48e-02	0.13	-0.43	-1.27e-03	-1.78e-03	-1.53e-03	-1.52e-03	-2.57e-04
6	67	55	0.13	-0.50	-0.11	-0.26	-0.31	-5.00e-04	-2.34e-03	-2.31e-03	-5.28e-04	2.27e-04
6	67	62	0.76	-0.50	5.47e-02	0.20	-0.62	2.27e-02	-1.73e-03	-4.79e-04	2.14e-02	5.38e-03
6	67	63	0.33	-0.68	-1.08e-02	-0.34	-0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	-3.31e-03
6	67	70	0.43	-0.87	-0.25	-0.18	-0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	-4.35e-03
6	67	71	0.99	-0.34	0.43	0.22	-0.66	3.86e-02	-1.43e-03	3.75e-02	-3.45e-04	6.50e-03
6	68	11	0.72	-0.44	8.66e-02	0.19	0.58	2.26e-02	-1.41e-03	-2.06e-04	2.14e-02	-5.25e-03
6	68	12	0.42	-0.78	-0.19	-0.17	0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	4.35e-03
6	68	13	0.29	-0.63	9.74e-03	-0.35	0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	3.57e-03
6	68	14	0.97	-0.27	0.47	0.23	0.60	4.37e-02	-2.33e-04	4.28e-02	7.13e-04	-6.38e-03
6	68	22	0.44	-0.33	3.78e-02	7.33e-02	0.39	-1.95e-03	-3.45e-03	-3.42e-03	-1.98e-03	2.08e-04
6	68	23	6.95e-02	-0.51	-0.12	-0.31	0.27	-9.03e-04	-4.04e-03	-4.03e-03	-9.21e-04	-2.39e-04
6	68	30	0.24	-0.15	1.91e-02	7.07e-02	0.19	-5.21e-04	-2.88e-03	-2.88e-03	-5.28e-04	1.27e-04
6	68	31	-0.11	-0.40	-0.21	-0.30	0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	-5.69e-05
6	68	38	6.34e-02	1.33e-02	1.34e-02	6.33e-02	2.12e-03	-5.89e-04	-3.82e-03	-3.82e-03	-5.91e-04	-5.99e-05
6	68	39	-0.24	-0.30	-0.24	-0.30	2.12e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	-1.38e-06
6	68	46	0.24	-0.14	2.24e-02	7.68e-02	-0.19	-4.80e-04	-2.76e-03	-2.75e-03	-4.87e-04	-1.27e-04
6	68	47	-0.11	-0.39	-0.20	-0.29	-0.13	-1.85e-03	-1.94e-03	-1.89e-03	-1.89e-03	4.55e-05
6	68	54	0.45	-0.33	4.34e-02	8.42e-02	-0.39	-1.83e-03	-3.07e-03	-3.03e-03	-1.87e-03	-2.18e-04
6	68	55	7.49e-02	-0.50	-0.12	-0.30	-0.27	-8.11e-04	-3.74e-03	-3.72e-03	-8.28e-04	2.24e-04
6	68	62	0.72	-0.44	8.94e-02	0.20	-0.58	2.27e-02	-1.29e-03	-6.78e-05	2.15e-02	5.26e-03
6	68	63	0.30	-0.63	1.38e-02	-0.35	-0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	-3.55e-03
6	68	70	0.42	-0.78	-0.19	-0.17	-0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	-4.35e-03
6	68	71	0.97	-0.27	0.47	0.23	-0.61	4.32e-02	-3.51e-04	4.22e-02	6.08e-04	6.39e-03
6	69	11	0.76	-0.50	5.75e-02	0.21	0.63	2.27e-02	-1.61e-03	-3.42e-04	2.15e-02	-5.40e-03
6	69	12	0.44	-0.87	-0.25	-0.18	0.65	2.25e-02	1.10e-02	2.05e-02	1.30e-02	4.35e-03
6	69	13	0.33	-0.67	-6.63e-03	-0.33	0.48	-1.80e-02	-2.57e-02	-1.99e-02	-2.38e-02	3.29e-03
6	69	14	0.99	-0.34	0.43	0.22	0.66	3.80e-02	-1.55e-03	3.69e-02	-4.50e-04	-6.51e-03
6	69	22	0.53	-0.33	6.05e-02	0.14	0.43	-9.86e-04	-1.58e-03	-1.15e-03	-1.41e-03	2.66e-04
6	69	23	0.14	-0.49	-0.10	-0.25	0.31	-4.06e-04	-2.04e-03	-2.01e-03	-4.34e-04	-2.13e-04
6	69	30	0.31	-0.12	6.59e-02	0.13	0.21	-3.53e-04	-2.43e-03	-2.43e-03	-3.58e-04	9.73e-05
6	69	31	-4.95e-02	-0.37	-0.17	-0.24	0.15	-1.50e-03	-1.81e-03	-1.52e-03	-1.79e-03	-7.52e-05
6	69	38	0.13	7.06e-02	7.07e-02	0.13	-2.12e-03	-1.77e-05	-1.80e-03	-1.80e-03	-1.98e-05	5.99e-05
6	69	39	-0.19	-0.24	-0.19	-0.24	-2.12e-03	-6.51e-04	-1.80e-03	-6.51e-04	-1.80e-03	1.38e-06
6	69	46	0.31	-0.12	6.26e-02	0.12	-0.21	-3.94e-04	-2.56e-03	-2.55e-03	-3.99e-04	-9.74e-05
6	69	47	-5.05e-02	-0.37	-0.17	-0.25	-0.16	-1.61e-03	-1.87e-03	-1.64e-03	-1.83e-03	8.66e-05
6	69	54	0.52	-0.34	5.49e-02	0.13	-0.43	-1.27e-03	-1.78e-03	-1.54e-03	-1.52e-03	-2.56e-04

6	69	55	0.13	-0.50	-0.11	-0.26	-0.31	-4.99e-04	-2.34e-03	-2.31e-03	-5.27e-04	2.28e-04
6	69	62	0.76	-0.50	5.47e-02	0.20	-0.62	2.27e-02	-1.73e-03	-4.80e-04	2.14e-02	5.38e-03
6	69	63	0.33	-0.68	-1.07e-02	-0.34	-0.47	-1.81e-02	-2.57e-02	-2.00e-02	-2.38e-02	-3.32e-03
6	69	70	0.43	-0.87	-0.25	-0.18	-0.65	2.30e-02	1.12e-02	2.11e-02	1.31e-02	-4.35e-03
6	69	71	0.99	-0.34	0.43	0.22	-0.66	3.86e-02	-1.43e-03	3.75e-02	-3.45e-04	6.50e-03
6	70	11	0.72	-0.44	8.65e-02	0.19	0.58	2.26e-02	-1.41e-03	-2.05e-04	2.14e-02	-5.25e-03
6	70	12	0.42	-0.78	-0.19	-0.17	0.60	2.81e-02	1.29e-02	2.68e-02	1.42e-02	4.35e-03
6	70	13	0.29	-0.63	9.70e-03	-0.35	0.43	-1.76e-02	-2.59e-02	-1.97e-02	-2.38e-02	3.57e-03
6	70	14	0.97	-0.27	0.47	0.23	0.60	4.37e-02	-2.35e-04	4.28e-02	7.12e-04	-6.38e-03
6	70	22	0.44	-0.33	3.77e-02	7.34e-02	0.39	-1.95e-03	-3.44e-03	-3.41e-03	-1.98e-03	2.08e-04
6	70	23	6.94e-02	-0.51	-0.12	-0.31	0.27	-9.04e-04	-4.04e-03	-4.02e-03	-9.22e-04	-2.38e-04
6	70	30	0.24	-0.15	1.91e-02	7.07e-02	0.19	-5.20e-04	-2.88e-03	-2.87e-03	-5.27e-04	1.27e-04
6	70	31	-0.11	-0.40	-0.21	-0.30	0.14	-1.91e-03	-2.04e-03	-2.01e-03	-1.94e-03	-5.49e-05
6	70	38	6.34e-02	1.33e-02	1.34e-02	6.33e-02	2.12e-03	-5.90e-04	-3.82e-03	-3.82e-03	-5.91e-04	-5.79e-05
6	70	39	-0.24	-0.30	-0.24	-0.30	2.12e-03	-2.35e-03	-2.60e-03	-2.60e-03	-2.35e-03	3.36e-06
6	70	46	0.24	-0.14	2.25e-02	7.68e-02	-0.19	-4.81e-04	-2.76e-03	-2.75e-03	-4.88e-04	-1.27e-04
6	70	47	-0.11	-0.39	-0.20	-0.29	-0.13	-1.84e-03	-1.94e-03	-1.89e-03	-1.89e-03	4.75e-05
6	70	54	0.45	-0.33	4.34e-02	8.42e-02	-0.39	-1.83e-03	-3.08e-03	-3.04e-03	-1.87e-03	-2.17e-04
6	70	55	7.50e-02	-0.50	-0.12	-0.30	-0.27	-8.10e-04	-3.74e-03	-3.73e-03	-8.28e-04	2.25e-04
6	70	62	0.73	-0.44	8.94e-02	0.20	-0.58	2.27e-02	-1.29e-03	-6.95e-05	2.15e-02	5.26e-03
6	70	63	0.30	-0.63	1.39e-02	-0.35	-0.43	-1.75e-02	-2.58e-02	-1.96e-02	-2.37e-02	-3.55e-03
6	70	70	0.42	-0.78	-0.19	-0.17	-0.60	2.75e-02	1.27e-02	2.61e-02	1.41e-02	-4.35e-03
6	70	71	0.97	-0.27	0.47	0.23	-0.61	4.32e-02	-3.50e-04	4.22e-02	6.08e-04	6.39e-03
6	71	11	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
6	71	12	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
6	71	13	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
6	71	14	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
6	71	22	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
6	71	23	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
6	71	30	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
6	71	31	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
6	71	38	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
6	71	39	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
6	71	46	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
6	71	47	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
6	71	54	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
6	71	55	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
6	71	62	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
6	71	63	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
6	71	70	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
6	71	71	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
6	72	11	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
6	72	12	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
6	72	13	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
6	72	14	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
6	72	22	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
6	72	23	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
6	72	30	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
6	72	31	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
6	72	38	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
6	72	39	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
6	72	46	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
6	72	47	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
6	72	54	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
6	72	55	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
6	72	62	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
6	72	63	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
6	72	70	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
6	72	71	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
6	73	11	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
6	73	12	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
6	73	13	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
6	73	14	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
6	73	22	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
6	73	23	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
6	73	30	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
6	73	31	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
6	73	38	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
6	73	39	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
6	73	46	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
6	73	47	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
6	73	54	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
6	73	55	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
6	73	62	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
6	73	63	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
6	73	70	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
6	73	71	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03

6	74	11	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
6	74	12	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
6	74	13	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
6	74	14	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
6	74	22	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
6	74	23	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
6	74	30	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
6	74	31	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
6	74	38	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
6	74	39	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
6	74	46	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
6	74	47	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
6	74	54	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
6	74	55	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
6	74	62	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
6	74	63	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
6	74	70	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
6	74	71	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
6	75	11	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
6	75	12	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
6	75	13	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
6	75	14	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
6	75	22	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
6	75	23	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
6	75	30	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
6	75	31	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
6	75	38	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
6	75	39	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
6	75	46	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
6	75	47	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
6	75	54	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
6	75	55	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
6	75	62	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
6	75	63	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
6	75	70	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
6	75	71	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03
6	76	11	0.74	-0.47	7.20e-02	0.20	0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	-5.32e-03
6	76	12	0.43	-0.82	-0.22	-0.17	0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	4.35e-03
6	76	13	0.31	-0.65	1.55e-03	-0.34	0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	3.43e-03
6	76	14	0.98	-0.30	0.45	0.23	0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	-6.45e-03
6	76	22	0.49	-0.33	4.91e-02	0.11	0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	2.37e-04
6	76	23	0.10	-0.50	-0.11	-0.28	0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	-2.26e-04
6	76	30	0.27	-0.13	4.25e-02	9.83e-02	0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	1.12e-04
6	76	31	-7.89e-02	-0.38	-0.19	-0.27	0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	-6.61e-05
6	76	38	9.80e-02	4.20e-02	4.20e-02	9.80e-02		-3.05e-04	-2.81e-03	-2.81e-03	-3.05e-04	
6	76	39	-0.22	-0.27	-0.22	-0.27		-1.63e-03	-2.08e-03	-1.63e-03	-2.08e-03	
6	76	46	0.27	-0.13	4.25e-02	9.83e-02	-0.20	-4.37e-04	-2.66e-03	-2.65e-03	-4.43e-04	-1.12e-04
6	76	47	-7.89e-02	-0.38	-0.19	-0.27	-0.15	-1.73e-03	-1.90e-03	-1.77e-03	-1.86e-03	6.61e-05
6	76	54	0.49	-0.33	4.91e-02	0.11	-0.41	-1.61e-03	-2.37e-03	-2.29e-03	-1.69e-03	-2.37e-04
6	76	55	0.10	-0.50	-0.11	-0.28	-0.29	-6.56e-04	-3.04e-03	-3.02e-03	-6.78e-04	2.26e-04
6	76	62	0.74	-0.47	7.20e-02	0.20	-0.60	2.27e-02	-1.51e-03	-2.74e-04	2.14e-02	5.32e-03
6	76	63	0.31	-0.65	1.55e-03	-0.34	-0.45	-1.78e-02	-2.58e-02	-1.98e-02	-2.38e-02	-3.43e-03
6	76	70	0.43	-0.82	-0.22	-0.17	-0.63	2.52e-02	1.20e-02	2.36e-02	1.36e-02	-4.35e-03
6	76	71	0.98	-0.30	0.45	0.23	-0.63	4.09e-02	-8.89e-04	3.98e-02	1.31e-04	6.45e-03

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
	111.60	-20.54	-13.46	-5.98	-26.89	6.75	-14.42	-14.34	-2.85	-0.99
			19.92	111.10	26.89			6.73	3.29	0.99

Macro	Tipo	Angolo 1-X (gradi)
7	Guscio	0.0

M_G	Cmb	Nodo	N max daN/cm	N min daN/cm	N 1 daN/cm	N 2 daN/cm	N 1-2 daN/cm	M max daN	M min daN	M 1 daN	M 2 daN	M 1-2 daN
7	1	13	0.54	-0.49	0.14	-8.18e-02	0.51	1.23e-02	-3.07e-02	-2.64e-02	7.97e-03	-1.29e-02
7	1	14	0.42	-0.25	0.19	-2.20e-02	0.32	9.86e-02	2.14e-02	9.50e-02	2.50e-02	1.63e-02
7	1	15	8.78e-02	-0.38	8.26e-02	-0.37	4.88e-02	-8.79e-03	-4.20e-02	-3.62e-02	-1.46e-02	1.26e-02
7	1	16	0.72	-3.38e-02	0.50	0.19	0.34	0.10	1.36e-02	9.96e-02	1.70e-02	-1.69e-02
7	1	23	0.25	-0.48	-5.95e-02	-0.17	0.36	-3.63e-03	-8.83e-03	-8.18e-03	-4.28e-03	1.72e-03
7	1	24	-0.14	-0.38	-0.14	-0.38	6.91e-03	-2.26e-04	-7.45e-03	-7.29e-03	-3.79e-04	-1.04e-03
7	1	31	5.14e-03	-0.35	-0.17	-0.17	0.18	-3.36e-03	-7.31e-03	-7.13e-03	-3.54e-03	8.32e-04
7	1	32	-0.27	-0.37	-0.28	-0.37	5.85e-03	3.66e-04	-5.07e-03	-5.04e-03	3.34e-04	-4.17e-04

7	1	39	-0.17	-0.21	-0.21	-0.17	-3.59e-03	-7.21e-03	-7.21e-03	-3.59e-03
7	1	40	-0.32	-0.36	-0.32	-0.36	5.81e-04	-4.83e-03	-4.83e-03	5.81e-04
7	1	47	5.14e-03	-0.35	-0.17	-0.17	-0.18	-3.36e-03	-7.31e-03	-7.13e-03
7	1	48	-0.27	-0.37	-0.28	-0.37	-5.85e-03	3.66e-04	-5.07e-03	-5.04e-03
7	1	55	0.25	-0.48	-5.95e-02	-0.17	-0.36	-3.63e-03	-8.83e-03	-8.18e-03
7	1	56	-0.14	-0.38	-0.14	-0.38	-6.91e-03	-2.26e-04	-7.45e-03	-7.29e-03
7	1	63	0.54	-0.49	0.14	-8.18e-02	-0.51	1.23e-02	-3.07e-02	-2.64e-02
7	1	64	8.78e-02	-0.38	8.26e-02	-0.37	-4.88e-02	-8.79e-03	-4.20e-02	-3.62e-02
7	1	71	0.42	-0.25	0.19	-2.20e-02	-0.32	9.86e-02	2.14e-02	9.50e-02
7	1	72	0.72	-3.38e-02	0.50	0.19	-0.34	0.10	1.36e-02	9.96e-02
7	2	13	0.54	-0.49	0.14	-8.18e-02	0.51	1.23e-02	-3.07e-02	-2.64e-02
7	2	14	0.42	-0.25	0.19	-2.20e-02	0.32	9.86e-02	2.14e-02	9.50e-02
7	2	15	8.78e-02	-0.38	8.26e-02	-0.37	4.88e-02	-8.79e-03	-4.20e-02	-3.62e-02
7	2	16	0.72	-3.38e-02	0.50	0.19	0.34	0.10	1.36e-02	9.96e-02
7	2	23	0.25	-0.48	-5.95e-02	-0.17	0.36	-3.63e-03	-8.83e-03	-8.18e-03
7	2	24	-0.14	-0.38	-0.14	-0.38	6.91e-03	-2.26e-04	-7.45e-03	-7.29e-03
7	2	31	5.14e-03	-0.35	-0.17	-0.17	0.18	-3.36e-03	-7.31e-03	-7.13e-03
7	2	32	-0.27	-0.37	-0.28	-0.37	5.85e-03	3.66e-04	-5.07e-03	-5.04e-03
7	2	39	-0.17	-0.21	-0.21	-0.17	-3.59e-03	-7.21e-03	-7.21e-03	-3.59e-03
7	2	40	-0.32	-0.36	-0.32	-0.36	5.81e-04	-4.83e-03	-4.83e-03	5.81e-04
7	2	47	5.14e-03	-0.35	-0.17	-0.17	-0.18	-3.36e-03	-7.31e-03	-7.13e-03
7	2	48	-0.27	-0.37	-0.28	-0.37	-5.85e-03	3.66e-04	-5.07e-03	-5.04e-03
7	2	55	0.25	-0.48	-5.95e-02	-0.17	-0.36	-3.63e-03	-8.83e-03	-8.18e-03
7	2	56	-0.14	-0.38	-0.14	-0.38	-6.91e-03	-2.26e-04	-7.45e-03	-7.29e-03
7	2	63	0.54	-0.49	0.14	-8.18e-02	-0.51	1.23e-02	-3.07e-02	-2.64e-02
7	2	64	8.78e-02	-0.38	8.26e-02	-0.37	-4.88e-02	-8.79e-03	-4.20e-02	-3.62e-02
7	2	71	0.42	-0.25	0.19	-2.20e-02	-0.32	9.86e-02	2.14e-02	9.50e-02
7	2	72	0.72	-3.38e-02	0.50	0.19	-0.34	0.10	1.36e-02	9.96e-02
7	3	13	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02
7	3	14	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02
7	3	15	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02
7	3	16	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02
7	3	23	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03
7	3	24	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03
7	3	31	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03
7	3	32	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03
7	3	39	-0.13	-0.16	-0.16	-0.13	-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03
7	3	40	-0.25	-0.28	-0.25	-0.28	4.47e-04	-3.71e-03	-3.71e-03	4.47e-04
7	3	47	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03
7	3	48	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03
7	3	55	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03
7	3	56	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03
7	3	63	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02
7	3	64	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02
7	3	71	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02
7	3	72	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02
7	4	13	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02
7	4	14	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02
7	4	15	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02
7	4	16	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02
7	4	23	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03
7	4	24	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03
7	4	31	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03
7	4	32	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03
7	4	39	-0.13	-0.16	-0.16	-0.13	-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03
7	4	40	-0.25	-0.28	-0.25	-0.28	4.47e-04	-3.71e-03	-3.71e-03	4.47e-04
7	4	47	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03
7	4	48	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03
7	4	55	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03
7	4	56	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03
7	4	63	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02
7	4	64	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02
7	4	71	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02
7	4	72	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02
7	5	13	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02
7	5	14	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02
7	5	15	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02
7	5	16	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02
7	5	23	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03
7	5	24	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03
7	5	31	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03
7	5	32	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03
7	5	39	-0.13	-0.16	-0.16	-0.13	-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03
7	5	40	-0.25	-0.28	-0.25	-0.28	4.47e-04	-3.71e-03	-3.71e-03	4.47e-04
7	5	47	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03
7	5	48	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03
7	5	55	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03

7	5	56	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
7	5	63	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
7	5	64	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
7	5	71	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
7	5	72	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
7	6	13	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
7	6	14	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
7	6	15	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
7	6	16	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
7	6	23	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
7	6	24	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
7	6	31	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
7	6	32	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
7	6	39	-0.13	-0.16	-0.16	-0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
7	6	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
7	6	47	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
7	6	48	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
7	6	55	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
7	6	56	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
7	6	63	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
7	6	64	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
7	6	71	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
7	6	72	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
7	7	13	28.75	4.97	5.05	28.67	-1.39	1.72	0.36	1.72	0.36	7.35e-02
7	7	14	9.90	-5.26	4.96	-0.33	7.10	-0.70	-3.63	-3.62	-0.72	-0.24
7	7	15	28.53	4.88	5.07	28.35	2.10	1.70	0.32	1.70	0.33	-7.85e-02
7	7	16	9.65	-4.11	5.62	-7.82e-02	-6.26	-0.70	-3.59	-3.57	-0.72	0.23
7	7	23	28.32	4.92	4.92	28.32	3.33e-02	7.83e-02	1.34e-02	7.80e-02	1.37e-02	4.50e-03
7	7	24	28.10	4.77	4.78	28.09	0.45	7.21e-02	6.95e-03	7.14e-02	7.71e-03	-7.03e-03
7	7	31	27.77	4.83	4.84	27.77	0.28	1.04e-02	-6.01e-03	6.06e-03	-1.64e-03	-7.26e-03
7	7	32	27.55	4.61	4.61	27.55	-2.84e-02	5.56e-03	-1.01e-02	2.86e-03	-7.39e-03	5.91e-03
7	7	39	27.72	4.81	4.81	27.72	3.34e-03	1.65e-02	5.64e-04	1.65e-02	5.64e-04	3.98e-06
7	7	40	27.51	4.55	4.55	27.51	3.34e-03	1.39e-02	-5.68e-03	1.39e-02	-5.68e-03	2.11e-05
7	7	47	27.77	4.83	4.84	27.77	-0.27	1.06e-02	-5.76e-03	6.13e-03	-1.33e-03	7.26e-03
7	7	48	27.55	4.61	4.61	27.55	3.32e-02	5.62e-03	-1.01e-02	2.90e-03	-7.38e-03	-5.95e-03
7	7	55	28.32	4.92	4.92	28.32	-3.38e-02	7.85e-02	1.34e-02	7.82e-02	1.37e-02	-4.50e-03
7	7	56	28.10	4.77	4.78	28.09	-0.45	7.22e-02	6.96e-03	7.14e-02	7.73e-03	7.03e-03
7	7	63	28.75	4.97	5.05	28.67	1.38	1.72	0.36	1.72	0.36	-7.34e-02
7	7	64	28.54	4.88	5.07	28.35	-2.11	1.70	0.32	1.70	0.33	7.85e-02
7	7	71	9.90	-5.27	4.96	-0.33	-7.11	-0.70	-3.63	-3.62	-0.72	0.24
7	7	72	9.64	-4.10	5.62	-7.81e-02	6.25	-0.70	-3.59	-3.57	-0.72	-0.23
7	8	13	2.73	-9.86	-2.67	-4.45	6.23	0.64	-0.29	-0.15	0.50	-0.33
7	8	14	-0.50	-11.84	-10.47	-1.87	3.70	0.19	7.69e-02	0.18	8.65e-02	3.13e-02
7	8	15	3.02	-10.08	2.63	-9.70	2.21	-0.72	-0.85	-0.85	-0.72	-5.57e-03
7	8	16	16.34	0.26	13.34	3.25	6.26	2.56	0.45	2.52	0.49	-0.29
7	8	23	2.49	-7.91	0.47	-5.89	4.11	0.77	0.16	0.22	0.71	-0.19
7	8	24	-3.42	-9.16	-3.71	-8.87	1.26	-0.41	-0.98	-0.43	-0.96	-0.11
7	8	31	2.57	-6.34	2.11	-5.88	1.97	0.96	0.24	0.25	0.95	-9.74e-02
7	8	32	-7.06	-8.88	-7.32	-8.62	0.63	-0.43	-1.27	-0.43	-1.26	-6.55e-02
7	8	39	2.63	-5.88	2.63	-5.88	-3.50e-03	1.04	0.26	0.26	1.04	9.71e-06
7	8	40	-8.49	-8.59	-8.49	-8.59	-3.50e-03	-0.45	-1.38	-0.45	-1.38	2.18e-05
7	8	47	2.57	-6.34	2.11	-5.88	-1.98	0.96	0.24	0.25	0.95	9.74e-02
7	8	48	-7.06	-8.89	-7.32	-8.63	-0.64	-0.43	-1.27	-0.43	-1.26	6.55e-02
7	8	55	2.49	-7.91	0.47	-5.89	-4.11	0.77	0.16	0.22	0.71	0.19
7	8	56	-3.42	-9.16	-3.71	-8.87	-1.26	-0.41	-0.98	-0.43	-0.96	0.11
7	8	63	2.73	-9.86	-2.68	-4.45	-6.23	0.64	-0.29	-0.15	0.50	0.33
7	8	64	3.02	-10.08	2.63	-9.70	-2.20	-0.72	-0.85	-0.85	-0.72	5.55e-03
7	8	71	-0.50	-11.84	-10.47	-1.87	-3.70	0.19	7.69e-02	0.18	8.65e-02	-3.13e-02
7	8	72	16.33	0.26	13.34	3.25	-6.25	2.56	0.45	2.52	0.49	0.29
7	9	13	31.42	5.41	5.51	31.32	-1.55	1.88	0.39	1.88	0.39	8.12e-02
7	9	14	10.78	-5.73	5.41	-0.36	7.73	-0.76	-3.98	-3.96	-0.78	-0.26
7	9	15	31.19	5.32	5.53	30.98	2.29	1.86	0.35	1.86	0.36	-8.66e-02
7	9	16	10.53	-4.53	6.10	-9.85e-02	-6.86	-0.76	-3.93	-3.91	-0.79	0.25
7	9	23	30.94	5.37	5.37	30.94	7.68e-03	8.61e-02	1.49e-02	8.58e-02	1.52e-02	4.78e-03
7	9	24	30.71	5.22	5.23	30.70	0.49	7.93e-02	7.63e-03	7.84e-02	8.45e-03	-7.62e-03
7	9	31	30.34	5.29	5.29	30.34	0.29	1.19e-02	-6.27e-03	7.15e-03	-1.51e-03	8.00e-03
7	9	32	30.11	5.05	5.05	30.11	-3.34e-02	6.41e-03	-1.10e-02	3.48e-03	-8.07e-03	6.52e-03
7	9	39	30.29	5.27	5.27	30.29	3.50e-03	1.85e-02	8.70e-04	1.85e-02	8.70e-04	-9.71e-06
7	9	40	30.07	5.00	5.00	30.07	3.50e-03	1.55e-02	-6.22e-03	1.55e-02	-6.22e-03	-2.18e-05
7	9	47	30.34	5.29	5.29	30.34	-0.28	1.20e-02	-6.04e-03	7.16e-03	-1.22e-03	7.98e-03
7	9	48	30.11	5.05	5.05	30.11	3.83e-02	6.43e-03	-1.10e-02	3.51e-03	-8.06e-03	-6.50e-03
7	9	55	30.95	5.38	5.38	30.95	-7.98e-03	8.63e-02	1.49e-02	8.59e-02	1.53e-02	-4.80e-03
7	9	56	30.72	5.22	5.23	30.71	-0.49	7.93e-02	7.65e-03	7.85e-02	8.46e-03	7.60e-03
7	9	63	31.42	5.42	5.51	31.32	1.55	1.88	0.39	1.88	0.39	-8.11e-02
7	9	64	31.19	5.32	5.53	30.99	-2.30	1.86	0.35	1.86	0.36	8.66e-02
7	9	71	10.78	-5.73	5.41	-0.36	-7.74	-0.76	-3.98	-3.96	-0.78	0.26
7	9	72	10.52	-4.53	6.10	-9.85e-02	6.86	-0.76	-3.93	-3.91	-0.79	-0.25

7	10	13	4.06	-8.08	-2.22	-1.80	6.07	0.69	-0.14	1.31e-02	0.54	-0.33
7	10	14	-2.31e-02	-11.90	-10.02	-1.90	4.33	1.91e-02	-0.16	-0.16	1.87e-02	8.28e-03
7	10	15	3.63	-7.60	3.10	-7.06	2.40	-0.67	-0.70	-0.69	-0.69	-1.37e-02
7	10	16	16.28	0.78	13.83	3.23	5.66	2.23	0.38	2.19	0.42	-0.27
7	10	23	3.43	-5.76	0.93	-3.26	4.09	0.78	0.17	0.23	0.71	-0.19
7	10	24	-2.78	-6.74	-3.26	-6.25	1.30	-0.40	-0.98	-0.43	-0.96	-0.11
7	10	31	3.17	-3.91	2.57	-3.31	1.98	0.96	0.24	0.25	0.95	-9.81e-02
7	10	32	-5.72	-7.22	-6.87	-6.06	0.63	-0.43	-1.27	-0.43	-1.27	-6.49e-02
7	10	39	3.09	-3.31	3.09	-3.31	-3.34e-03	1.04	0.26	0.26	1.04	-3.98e-06
7	10	40	-6.03	-8.05	-8.05	-6.03	-3.34e-03	-0.45	-1.38	-0.45	-1.38	-2.11e-05
7	10	47	3.17	-3.92	2.56	-3.31	-1.99	0.96	0.24	0.25	0.95	9.81e-02
7	10	48	-5.71	-7.22	-6.87	-6.06	-0.63	-0.43	-1.27	-0.43	-1.27	6.49e-02
7	10	55	3.42	-5.77	0.93	-3.27	-4.09	0.78	0.17	0.23	0.71	0.19
7	10	56	-2.78	-6.74	-3.26	-6.25	-1.30	-0.40	-0.98	-0.43	-0.96	0.11
7	10	63	4.05	-8.08	-2.22	-1.81	-6.06	0.69	-0.14	1.31e-02	0.54	0.33
7	10	64	3.63	-7.60	3.10	-7.06	-2.39	-0.67	-0.70	-0.69	-0.69	1.37e-02
7	10	71	-2.89e-02	-11.89	-10.02	-1.90	-4.32	1.92e-02	-0.16	-0.16	1.88e-02	-8.27e-03
7	10	72	16.27	0.79	13.83	3.23	-5.65	2.23	0.38	2.19	0.42	0.27
7	11	13	28.75	4.97	5.05	28.67	-1.38	1.72	0.36	1.72	0.36	7.34e-02
7	11	14	9.90	-5.27	4.96	-0.33	7.11	-0.70	-3.63	-3.62	-0.72	-0.24
7	11	15	28.54	4.88	5.07	28.35	2.11	1.70	0.32	1.70	0.33	-7.85e-02
7	11	16	9.64	-4.10	5.62	-7.81e-02	-6.25	-0.70	-3.59	-3.57	-0.72	0.23
7	11	23	28.32	4.92	4.92	28.32	3.37e-02	7.85e-02	1.34e-02	7.82e-02	1.37e-02	4.51e-03
7	11	24	28.10	4.77	4.78	28.09	0.45	7.22e-02	6.96e-03	7.14e-02	7.73e-03	-7.02e-03
7	11	31	27.77	4.83	4.84	27.77	0.27	1.05e-02	-5.77e-03	6.10e-03	-1.34e-03	-7.25e-03
7	11	32	27.55	4.61	4.61	27.55	-3.33e-02	5.60e-03	-1.01e-02	2.90e-03	-7.38e-03	5.92e-03
7	11	39	27.72	4.81	4.81	27.72	-3.50e-03	1.65e-02	5.64e-04	1.65e-02	5.64e-04	1.02e-05
7	11	40	27.51	4.55	4.55	27.51	-3.50e-03	1.39e-02	-5.68e-03	1.39e-02	-5.68e-03	2.20e-05
7	11	47	27.77	4.83	4.84	27.76	-0.28	1.05e-02	-6.00e-03	6.08e-03	-1.63e-03	7.27e-03
7	11	48	27.55	4.61	4.61	27.55	2.83e-02	5.58e-03	-1.01e-02	2.87e-03	-7.39e-03	-5.94e-03
7	11	55	28.32	4.92	4.92	28.32	-3.34e-02	7.84e-02	1.34e-02	7.81e-02	1.37e-02	-4.49e-03
7	11	56	28.10	4.77	4.78	28.09	-0.45	7.21e-02	6.95e-03	7.14e-02	7.72e-03	7.04e-03
7	11	63	28.75	4.97	5.05	28.67	1.39	1.72	0.36	1.72	0.36	-7.35e-02
7	11	64	28.53	4.88	5.07	28.35	-2.10	1.70	0.32	1.70	0.33	7.85e-02
7	11	71	9.90	-5.26	4.96	-0.33	-7.10	-0.70	-3.63	-3.62	-0.72	0.24
7	11	72	9.65	-4.11	5.62	-7.81e-02	6.26	-0.70	-3.59	-3.57	-0.72	-0.23
7	12	13	2.73	-9.86	-2.68	-4.45	6.23	0.64	-0.29	-0.15	0.50	-0.33
7	12	14	-0.50	-11.84	-10.47	-1.87	3.70	0.19	7.69e-02	0.18	8.65e-02	3.13e-02
7	12	15	3.02	-10.08	2.63	-9.70	2.20	-0.72	-0.85	-0.85	-0.72	-5.54e-03
7	12	16	16.33	0.26	13.34	3.25	6.25	2.56	0.45	2.52	0.49	-0.29
7	12	23	2.49	-7.91	0.47	-5.89	4.11	0.77	0.16	0.22	0.71	-0.19
7	12	24	-3.42	-9.16	-3.71	-8.87	1.26	-0.41	-0.98	-0.43	-0.96	-0.11
7	12	31	2.57	-6.34	2.11	-5.88	1.98	0.96	0.24	0.25	0.95	-9.74e-02
7	12	32	-7.06	-8.89	-7.32	-8.63	0.64	-0.43	-1.27	-0.43	-1.26	-6.55e-02
7	12	39	2.63	-5.88	2.63	-5.88	3.34e-03	1.04	0.26	0.26	1.04	3.49e-06
7	12	40	-8.49	-8.59	-8.49	-8.59	3.34e-03	-0.45	-1.38	-0.45	-1.38	2.09e-05
7	12	47	2.57	-6.34	2.11	-5.88	-1.97	0.96	0.24	0.25	0.95	9.74e-02
7	12	48	-7.06	-8.88	-7.32	-8.62	-0.63	-0.43	-1.27	-0.43	-1.26	6.55e-02
7	12	55	2.49	-7.91	0.47	-5.89	-4.11	0.77	0.16	0.22	0.71	0.19
7	12	56	-3.42	-9.16	-3.71	-8.87	-1.26	-0.41	-0.98	-0.43	-0.96	0.11
7	12	63	2.73	-9.86	-2.68	-4.45	-6.23	0.64	-0.29	-0.15	0.50	0.33
7	12	64	3.02	-10.08	2.63	-9.70	-2.21	-0.72	-0.85	-0.85	-0.72	5.58e-03
7	12	71	-0.50	-11.84	-10.47	-1.87	-3.70	0.19	7.69e-02	0.18	8.65e-02	-3.13e-02
7	12	72	16.34	0.26	13.34	3.25	-6.26	2.56	0.45	2.52	0.49	0.29
7	13	13	31.42	5.42	5.51	31.32	-1.55	1.88	0.39	1.88	0.39	8.11e-02
7	13	14	10.78	-5.73	5.41	-0.36	7.74	-0.76	-3.98	-3.96	-0.78	-0.26
7	13	15	31.19	5.32	5.53	30.99	2.30	1.86	0.35	1.86	0.36	-8.66e-02
7	13	16	10.52	-4.53	6.10	-9.85e-02	-6.86	-0.76	-3.93	-3.91	-0.79	0.25
7	13	23	30.95	5.38	5.38	30.95	8.04e-03	8.63e-02	1.49e-02	8.60e-02	1.53e-02	4.79e-03
7	13	24	30.72	5.22	5.23	30.71	0.49	7.93e-02	7.64e-03	7.85e-02	8.46e-03	-7.61e-03
7	13	31	30.34	5.29	5.29	30.34	0.28	1.20e-02	-6.03e-03	7.19e-03	-1.21e-03	-7.99e-03
7	13	32	30.11	5.05	5.05	30.11	-3.82e-02	6.45e-03	-1.10e-02	3.51e-03	-8.06e-03	6.52e-03
7	13	39	30.29	5.27	5.27	30.29	-3.34e-03	1.85e-02	8.70e-04	1.85e-02	8.70e-04	-3.49e-06
7	13	40	30.07	5.00	5.00	30.07	-3.34e-03	1.55e-02	-6.22e-03	1.55e-02	-6.22e-03	-2.09e-05
7	13	47	30.34	5.29	5.29	30.34	-0.29	1.19e-02	-6.28e-03	7.11e-03	-1.51e-03	7.99e-03
7	13	48	30.11	5.05	5.05	30.11	3.35e-02	6.39e-03	-1.10e-02	3.48e-03	-8.07e-03	-6.49e-03
7	13	55	30.94	5.37	5.37	30.94	-7.60e-03	8.61e-02	1.49e-02	8.58e-02	1.52e-02	-4.79e-03
7	13	56	30.71	5.22	5.23	30.70	-0.49	7.93e-02	7.63e-03	7.84e-02	8.45e-03	7.61e-03
7	13	63	31.42	5.41	5.51	31.32	1.55	1.88	0.39	1.88	0.39	-8.12e-02
7	13	64	31.19	5.32	5.53	30.98	-2.29	1.86	0.35	1.86	0.36	8.66e-02
7	13	71	10.78	-5.73	5.41	-0.36	-7.73	-0.76	-3.98	-3.96	-0.78	0.26
7	13	72	10.53	-4.53	6.10	-9.85e-02	6.87	-0.76	-3.93	-3.91	-0.79	-0.25
7	14	13	4.05	-8.08	-2.22	-1.81	6.06	0.69	-0.14	1.31e-02	0.54	-0.33
7	14	14	-2.90e-02	-11.89	-10.02	-1.90	4.32	1.92e-02	-0.16	-0.16	1.88e-02	8.29e-03
7	14	15	3.63	-7.60	3.10	-7.06	2.39	-0.67	-0.70	-0.69	-0.69	-1.37e-02
7	14	16	16.27	0.79	13.83	3.23	5.65	2.23	0.38	2.19	0.42	-0.27
7	14	23	3.42	-5.77	0.92	-3.27	4.09	0.78	0.17	0.23	0.71	-0.19

7	14	24	-2.78	-6.74	-3.26	-6.25	1.30	-0.40	-0.98	-0.43	-0.96	-0.11
7	14	31	3.17	-3.92	2.56	-3.31	1.99	0.96	0.24	0.25	0.95	-9.81e-02
7	14	32	-5.71	-7.22	-6.87	-6.06	0.63	-0.43	-1.27	-0.43	-1.27	-6.49e-02
7	14	39	3.09	-3.31	3.09	-3.31	3.50e-03	1.04	0.26	0.26	1.04	-1.02e-05
7	14	40	-6.03	-8.05	-8.05	-6.03	3.50e-03	-0.45	-1.38	-0.45	-1.38	-2.20e-05
7	14	47	3.17	-3.91	2.57	-3.31	-1.98	0.96	0.24	0.25	0.95	9.81e-02
7	14	48	-5.72	-7.22	-6.87	-6.06	-0.63	-0.43	-1.27	-0.43	-1.27	6.49e-02
7	14	55	3.43	-5.76	0.93	-3.26	-4.09	0.78	0.17	0.23	0.71	0.19
7	14	56	-2.78	-6.74	-3.26	-6.25	-1.30	-0.40	-0.98	-0.43	-0.96	0.11
7	14	63	4.06	-8.08	-2.22	-1.80	-6.07	0.69	-0.14	1.31e-02	0.54	0.33
7	14	64	3.63	-7.60	3.10	-7.06	-2.40	-0.67	-0.70	-0.69	-0.69	1.37e-02
7	14	71	-2.30e-02	-11.90	-10.02	-1.90	-4.33	1.91e-02	-0.16	-0.16	1.87e-02	-8.26e-03
7	14	72	16.28	0.78	13.83	3.23	-5.66	2.23	0.38	2.19	0.42	0.27
7	15	13	28.75	4.97	5.05	28.67	-1.39	1.72	0.36	1.72	0.36	7.35e-02
7	15	14	9.90	-5.26	4.96	-0.33	7.10	-0.70	-3.63	-3.62	-0.72	-0.24
7	15	15	28.53	4.88	5.07	28.35	2.10	1.70	0.32	1.70	0.33	-7.85e-02
7	15	16	9.65	-4.11	5.62	-7.82e-02	-6.26	-0.70	-3.59	-3.57	-0.72	0.23
7	15	23	28.32	4.92	4.92	28.32	3.34e-02	7.83e-02	1.34e-02	7.80e-02	1.37e-02	4.49e-03
7	15	24	28.10	4.77	4.78	28.09	0.45	7.21e-02	6.95e-03	7.14e-02	7.71e-03	-7.04e-03
7	15	31	27.77	4.83	4.84	27.77	0.28	1.04e-02	-6.02e-03	6.06e-03	-1.64e-03	-7.27e-03
7	15	32	27.55	4.61	4.61	27.55	-2.84e-02	5.58e-03	-1.01e-02	2.86e-03	-7.39e-03	5.94e-03
7	15	39	27.72	4.81	4.81	27.72	3.45e-03	1.65e-02	5.64e-04	1.65e-02	5.64e-04	-1.06e-05
7	15	40	27.51	4.55	4.55	27.51	3.45e-03	1.39e-02	-5.68e-03	1.39e-02	-5.68e-03	-1.97e-05
7	15	47	27.77	4.83	4.84	27.77	-0.27	1.05e-02	-5.76e-03	6.13e-03	-1.33e-03	7.25e-03
7	15	48	27.55	4.61	4.61	27.55	3.32e-02	5.60e-03	-1.01e-02	2.90e-03	-7.38e-03	-5.92e-03
7	15	55	28.32	4.92	4.92	28.32	-3.37e-02	7.85e-02	1.34e-02	7.82e-02	1.37e-02	-4.51e-03
7	15	56	28.10	4.77	4.78	28.09	-0.45	7.22e-02	6.96e-03	7.14e-02	7.73e-03	7.02e-03
7	15	63	28.75	4.97	5.05	28.67	1.38	1.72	0.36	1.72	0.36	-7.34e-02
7	15	64	28.54	4.88	5.07	28.35	-2.11	1.70	0.32	1.70	0.33	7.85e-02
7	15	71	9.90	-5.27	4.96	-0.33	-7.11	-0.70	-3.63	-3.62	-0.72	0.24
7	15	72	9.64	-4.10	5.62	-7.81e-02	6.25	-0.70	-3.59	-3.57	-0.72	-0.23
7	16	13	2.73	-9.86	-2.67	-4.45	6.23	0.64	-0.29	-0.15	0.50	-0.33
7	16	14	-0.50	-11.84	-10.47	-1.87	3.70	0.19	7.69e-02	0.18	8.65e-02	3.13e-02
7	16	15	3.02	-10.08	2.63	-9.70	2.21	-0.72	-0.85	-0.85	-0.72	-5.56e-03
7	16	16	16.34	0.26	13.34	3.25	6.26	2.56	0.45	2.52	0.49	-0.29
7	16	23	2.49	-7.91	0.47	-5.89	4.11	0.77	0.16	0.22	0.71	-0.19
7	16	24	-3.42	-9.16	-3.71	-8.87	1.26	-0.41	-0.98	-0.43	-0.96	-0.11
7	16	31	2.57	-6.34	2.11	-5.88	1.97	0.96	0.24	0.25	0.95	-9.74e-02
7	16	32	-7.06	-8.88	-7.32	-8.62	0.63	-0.43	-1.27	-0.43	-1.26	-6.55e-02
7	16	39	2.63	-5.88	2.63	-5.88	-3.39e-03	1.04	0.26	0.26	1.04	-4.90e-06
7	16	40	-8.49	-8.59	-8.49	-8.59	-3.39e-03	-0.45	-1.38	-0.45	-1.38	-1.90e-05
7	16	47	2.57	-6.34	2.11	-5.88	-1.98	0.96	0.24	0.25	0.95	9.74e-02
7	16	48	-7.06	-8.89	-7.32	-8.63	-0.64	-0.43	-1.27	-0.43	-1.26	6.55e-02
7	16	55	2.49	-7.91	0.47	-5.89	-4.11	0.77	0.16	0.22	0.71	0.19
7	16	56	-3.42	-9.16	-3.71	-8.87	-1.26	-0.41	-0.98	-0.43	-0.96	0.11
7	16	63	2.73	-9.86	-2.68	-4.45	-6.23	0.64	-0.29	-0.15	0.50	0.33
7	16	64	3.02	-10.08	2.63	-9.70	-2.20	-0.72	-0.85	-0.85	-0.72	5.56e-03
7	16	71	-0.50	-11.84	-10.47	-1.87	-3.70	0.19	7.69e-02	0.18	8.65e-02	-3.13e-02
7	16	72	16.33	0.26	13.34	3.25	-6.25	2.56	0.45	2.52	0.49	0.29
7	17	13	31.42	5.41	5.51	31.32	-1.55	1.88	0.39	1.88	0.39	8.12e-02
7	17	14	10.78	-5.73	5.41	-0.36	7.73	-0.76	-3.98	-3.96	-0.78	-0.26
7	17	15	31.19	5.32	5.53	30.98	2.29	1.86	0.35	1.86	0.36	-8.66e-02
7	17	16	10.53	-4.53	6.10	-9.85e-02	-6.86	-0.76	-3.93	-3.91	-0.79	0.25
7	17	23	30.94	5.37	5.37	30.94	7.60e-03	8.61e-02	1.49e-02	8.58e-02	1.52e-02	4.79e-03
7	17	24	30.71	5.22	5.23	30.70	0.49	7.93e-02	7.63e-03	7.84e-02	8.45e-03	-7.61e-03
7	17	31	30.34	5.29	5.29	30.34	0.29	1.19e-02	-6.27e-03	7.14e-03	-1.51e-03	-7.99e-03
7	17	32	30.11	5.05	5.05	30.11	-3.35e-02	6.40e-03	-1.10e-02	3.48e-03	-8.07e-03	6.49e-03
7	17	39	30.29	5.27	5.27	30.29	3.39e-03	1.85e-02	8.70e-04	1.85e-02	8.70e-04	4.90e-06
7	17	40	30.07	5.00	5.00	30.07	3.39e-03	1.55e-02	-6.22e-03	1.55e-02	-6.22e-03	1.90e-05
7	17	47	30.34	5.29	5.29	30.34	-0.28	1.20e-02	-6.04e-03	7.16e-03	-1.22e-03	7.98e-03
7	17	48	30.11	5.05	5.05	30.11	3.83e-02	6.45e-03	-1.10e-02	3.51e-03	-8.06e-03	-6.52e-03
7	17	55	30.95	5.38	5.38	30.95	-8.05e-03	8.63e-02	1.49e-02	8.59e-02	1.53e-02	-4.79e-03
7	17	56	30.72	5.22	5.23	30.71	-0.49	7.93e-02	7.64e-03	7.85e-02	8.46e-03	7.61e-03
7	17	63	31.42	5.42	5.51	31.32	1.55	1.88	0.39	1.88	0.39	-8.11e-02
7	17	64	31.19	5.32	5.53	30.99	-2.30	1.86	0.35	1.86	0.36	8.66e-02
7	17	71	10.78	-5.73	5.41	-0.36	-7.74	-0.76	-3.98	-3.96	-0.78	0.26
7	17	72	10.52	-4.53	6.10	-9.85e-02	6.86	-0.76	-3.93	-3.91	-0.79	-0.25
7	18	13	4.06	-8.08	-2.22	-1.80	6.07	0.69	-0.14	1.31e-02	0.54	-0.33
7	18	14	-2.31e-02	-11.90	-10.02	-1.90	4.33	1.91e-02	-0.16	-0.16	1.87e-02	8.26e-03
7	18	15	3.63	-7.60	3.10	-7.06	2.40	-0.67	-0.70	-0.69	-0.69	-1.37e-02
7	18	16	16.28	0.78	13.83	3.23	5.66	2.23	0.38	2.19	0.42	-0.27
7	18	23	3.43	-5.76	0.93	-3.26	4.09	0.78	0.17	0.23	0.71	-0.19
7	18	24	-2.78	-6.74	-3.26	-6.25	1.30	-0.40	-0.98	-0.43	-0.96	-0.11
7	18	31	3.17	-3.91	2.57	-3.31	1.98	0.96	0.24	0.25	0.95	-9.81e-02
7	18	32	-5.72	-7.22	-6.87	-6.06	0.63	-0.43	-1.27	-0.43	-1.27	-6.49e-02
7	18	39	3.09	-3.31	3.09	-3.31	-3.45e-03	1.04	0.26	0.26	1.04	1.06e-05
7	18	40	-6.03	-8.05	-8.05	-6.03	-3.45e-03	-0.45	-1.38	-0.45	-1.38	1.97e-05

7	18	47	3.17	-3.92	2.56	-3.31	-1.99	0.96	0.24	0.25	0.95	9.81e-02
7	18	48	-5.71	-7.22	-6.87	-6.06	-0.63	-0.43	-1.27	-0.43	-1.27	6.49e-02
7	18	55	3.42	-5.77	0.93	-3.27	-4.09	0.78	0.17	0.23	0.71	0.19
7	18	56	-2.78	-6.74	-3.26	-6.25	-1.30	-0.40	-0.98	-0.43	-0.96	0.11
7	18	63	4.05	-8.08	-2.22	-1.81	-6.06	0.69	-0.14	1.31e-02	0.54	0.33
7	18	64	3.63	-7.60	3.10	-7.06	-2.39	-0.67	-0.70	-0.69	-0.69	1.36e-02
7	18	71	-2.89e-02	-11.89	-10.02	-1.90	-4.32	1.92e-02	-0.16	-0.16	1.88e-02	-8.29e-03
7	18	72	16.27	0.79	13.83	3.23	-5.65	2.23	0.38	2.19	0.42	0.27
7	19	13	28.75	4.97	5.05	28.67	-1.38	1.72	0.36	1.72	0.36	7.34e-02
7	19	14	9.90	-5.27	4.96	-0.33	7.11	-0.70	-3.63	-3.62	-0.72	-0.24
7	19	15	28.54	4.88	5.07	28.35	2.11	1.70	0.32	1.70	0.33	-7.85e-02
7	19	16	9.64	-4.10	5.62	-7.81e-02	-6.25	-0.70	-3.59	-3.57	-0.72	0.23
7	19	23	28.32	4.92	4.92	28.32	3.38e-02	7.85e-02	1.34e-02	7.82e-02	1.37e-02	4.50e-03
7	19	24	28.10	4.77	4.78	28.09	0.45	7.22e-02	6.96e-03	7.14e-02	7.73e-03	-7.03e-03
7	19	31	27.77	4.83	4.84	27.77	0.27	1.05e-02	-5.78e-03	6.10e-03	-1.34e-03	-7.26e-03
7	19	32	27.55	4.61	4.61	27.55	-3.32e-02	5.62e-03	-1.01e-02	2.90e-03	-7.38e-03	5.94e-03
7	19	39	27.72	4.81	4.81	27.72	-3.39e-03	1.65e-02	5.64e-04	1.65e-02	5.64e-04	-4.41e-06
7	19	40	27.51	4.55	4.55	27.51	-3.39e-03	1.39e-02	-5.68e-03	1.39e-02	-5.68e-03	-1.88e-05
7	19	47	27.77	4.83	4.84	27.76	-0.28	1.04e-02	-6.00e-03	6.08e-03	-1.63e-03	7.26e-03
7	19	48	27.55	4.61	4.61	27.55	2.84e-02	5.57e-03	-1.01e-02	2.87e-03	-7.39e-03	-5.92e-03
7	19	55	28.32	4.92	4.92	28.32	-3.34e-02	7.84e-02	1.34e-02	7.81e-02	1.37e-02	-4.50e-03
7	19	56	28.10	4.77	4.78	28.09	-0.45	7.21e-02	6.95e-03	7.14e-02	7.72e-03	7.03e-03
7	19	63	28.75	4.97	5.05	28.67	1.39	1.72	0.36	1.72	0.36	-7.35e-02
7	19	64	28.53	4.88	5.07	28.35	-2.10	1.70	0.32	1.70	0.33	7.85e-02
7	19	71	9.90	-5.26	4.96	-0.33	-7.10	-0.70	-3.63	-3.62	-0.72	0.24
7	19	72	9.65	-4.11	5.62	-7.81e-02	6.26	-0.70	-3.59	-3.57	-0.72	-0.23
7	20	13	2.73	-9.86	-2.68	-4.45	6.23	0.64	-0.29	-0.15	0.50	-0.33
7	20	14	-0.50	-11.84	-10.47	-1.87	3.70	0.19	7.69e-02	0.18	8.65e-02	3.13e-02
7	20	15	3.02	-10.08	2.63	-9.70	2.20	-0.72	-0.85	-0.85	-0.72	-5.53e-03
7	20	16	16.33	0.26	13.34	3.25	6.25	2.56	0.45	2.52	0.49	-0.29
7	20	23	2.49	-7.91	0.47	-5.89	4.11	0.77	0.16	0.22	0.71	-0.19
7	20	24	-3.42	-9.16	-3.71	-8.87	1.26	-0.41	-0.98	-0.43	-0.96	-0.11
7	20	31	2.57	-6.34	2.11	-5.88	1.98	0.96	0.24	0.25	0.95	-9.74e-02
7	20	32	-7.06	-8.89	-7.32	-8.63	0.64	-0.43	-1.27	-0.43	-1.26	-6.55e-02
7	20	39	2.63	-5.88	2.63	-5.88	3.45e-03	1.04	0.26	0.26	1.04	-1.11e-05
7	20	40	-8.49	-8.59	-8.49	-8.59	3.45e-03	-0.45	-1.38	-0.45	-1.38	-1.99e-05
7	20	47	2.57	-6.34	2.11	-5.88	-1.97	0.96	0.24	0.25	0.95	9.74e-02
7	20	48	-7.06	-8.88	-7.32	-8.62	-0.63	-0.43	-1.27	-0.43	-1.26	6.55e-02
7	20	55	2.49	-7.91	0.47	-5.89	-4.11	0.77	0.16	0.22	0.71	0.19
7	20	56	-3.42	-9.16	-3.71	-8.87	-1.26	-0.41	-0.98	-0.43	-0.96	0.11
7	20	63	2.73	-9.86	-2.68	-4.45	-6.23	0.64	-0.29	-0.15	0.50	0.33
7	20	64	3.02	-10.08	2.63	-9.70	-2.21	-0.72	-0.85	-0.85	-0.72	5.59e-03
7	20	71	-0.50	-11.84	-10.47	-1.87	-3.70	0.19	7.69e-02	0.18	8.65e-02	-3.13e-02
7	20	72	16.34	0.26	13.34	3.25	-6.26	2.56	0.45	2.52	0.49	0.29
7	21	13	31.42	5.42	5.51	31.32	-1.55	1.88	0.39	1.88	0.39	8.11e-02
7	21	14	10.78	-5.73	5.41	-0.36	7.74	-0.76	-3.98	-3.96	-0.78	-0.26
7	21	15	31.19	5.32	5.53	30.99	2.30	1.86	0.35	1.86	0.36	-8.66e-02
7	21	16	10.52	-4.53	6.10	-9.85e-02	-6.86	-0.76	-3.93	-3.91	-0.79	0.25
7	21	23	30.95	5.38	5.38	30.95	7.97e-03	8.63e-02	1.49e-02	8.60e-02	1.53e-02	4.80e-03
7	21	24	30.72	5.22	5.23	30.71	0.49	7.93e-02	7.65e-03	7.85e-02	8.46e-03	-7.60e-03
7	21	31	30.34	5.29	5.29	30.34	0.28	1.20e-02	-6.03e-03	7.18e-03	-1.21e-03	-7.98e-03
7	21	32	30.11	5.05	5.05	30.11	-3.83e-02	6.43e-03	-1.10e-02	3.52e-03	-8.06e-03	6.50e-03
7	21	39	30.29	5.27	5.27	30.29	-3.45e-03	1.85e-02	8.70e-04	1.85e-02	8.70e-04	1.11e-05
7	21	40	30.07	5.00	5.00	30.07	-3.45e-03	1.55e-02	-6.22e-03	1.55e-02	-6.22e-03	1.99e-05
7	21	47	30.34	5.29	5.29	30.34	-0.29	1.19e-02	-6.29e-03	7.12e-03	-1.51e-03	8.00e-03
7	21	48	30.11	5.05	5.05	30.11	3.34e-02	6.41e-03	-1.10e-02	3.48e-03	-8.07e-03	-6.52e-03
7	21	55	30.94	5.37	5.37	30.94	-7.68e-03	8.61e-02	1.49e-02	8.58e-02	1.52e-02	-4.78e-03
7	21	56	30.71	5.22	5.23	30.70	-0.49	7.93e-02	7.63e-03	7.84e-02	8.45e-03	7.62e-03
7	21	63	31.42	5.41	5.51	31.32	1.55	1.88	0.39	1.88	0.39	-8.12e-02
7	21	64	31.19	5.32	5.53	30.98	-2.29	1.86	0.35	1.86	0.36	8.66e-02
7	21	71	10.78	-5.73	5.41	-0.36	-7.73	-0.76	-3.98	-3.96	-0.78	0.26
7	21	72	10.53	-4.53	6.10	-9.85e-02	6.87	-0.76	-3.93	-3.91	-0.79	-0.25
7	22	13	4.05	-8.08	-2.22	-1.81	6.06	0.69	-0.14	1.31e-02	0.54	-0.33
7	22	14	-2.89e-02	-11.89	-10.02	-1.90	4.32	1.92e-02	-0.16	-0.16	1.88e-02	8.27e-03
7	22	15	3.63	-7.60	3.10	-7.06	2.39	-0.67	-0.70	-0.69	-0.69	-1.37e-02
7	22	16	16.27	0.79	13.83	3.23	5.65	2.23	0.38	2.19	0.42	-0.27
7	22	23	3.42	-5.77	0.92	-3.27	4.09	0.78	0.17	0.23	0.71	-0.19
7	22	24	-2.78	-6.74	-3.26	-6.25	1.30	-0.40	-0.98	-0.43	-0.96	-0.11
7	22	31	3.17	-3.92	2.56	-3.31	1.99	0.96	0.24	0.25	0.95	-9.81e-02
7	22	32	-5.71	-7.22	-6.87	-6.06	0.63	-0.43	-1.27	-0.43	-1.27	-6.49e-02
7	22	39	3.09	-3.31	3.09	-3.31	3.39e-03	1.04	0.26	0.26	1.04	4.41e-06
7	22	40	-6.03	-8.05	-8.05	-6.03	3.39e-03	-0.45	-1.38	-0.45	-1.38	1.88e-05
7	22	47	3.17	-3.91	2.57	-3.31	-1.98	0.96	0.24	0.25	0.95	9.81e-02
7	22	48	-5.72	-7.22	-6.87	-6.06	-0.63	-0.43	-1.27	-0.43	-1.27	6.49e-02
7	22	55	3.43	-5.76	0.93	-3.26	-4.09	0.78	0.17	0.23	0.71	0.19
7	22	56	-2.78	-6.74	-3.26	-6.25	-1.30	-0.40	-0.98	-0.43	-0.96	0.11
7	22	63	4.06	-8.08	-2.22	-1.80	-6.07	0.69	-0.14	1.31e-02	0.54	0.33

7	22	64	3.63	-7.60	3.10	-7.06	-2.40	-0.67	-0.70	-0.69	-0.69	1.37e-02
7	22	71	-2.30e-02	-11.90	-10.02	-1.90	-4.33	1.91e-02	-0.16	-0.16	1.87e-02	-8.28e-03
7	22	72	16.28	0.78	13.83	3.23	-5.66	2.23	0.38	2.19	0.42	0.27
7	23	13	110.24	18.56	19.02	109.78	-6.42	6.64	1.35	6.63	1.36	0.31
7	23	14	36.90	-19.54	18.57	-1.21	26.44	-2.71	-14.10	-14.03	-2.79	-0.94
7	23	15	109.85	18.50	19.19	109.16	7.92	6.59	1.26	6.57	1.28	-0.33
7	23	16	36.68	-17.02	20.37	-0.70	-24.70	-2.71	-13.95	-13.88	-2.78	0.93
7	23	23	108.63	18.92	18.92	108.63	-0.67	0.32	6.08e-02	0.32	6.15e-02	1.34e-02
7	23	24	108.21	18.54	18.57	108.18	1.70	0.29	2.80e-02	0.29	3.03e-02	-2.47e-02
7	23	31	106.51	18.85	18.85	106.50	0.67	5.50e-02	-1.48e-02	3.87e-02	1.57e-03	-2.96e-02
7	23	32	106.09	18.21	18.21	106.09	-0.13	3.11e-02	-3.81e-02	2.19e-02	-2.88e-02	2.36e-02
7	23	39	106.34	18.83	18.83	106.34	1.14e-02	7.86e-02	9.96e-03	7.86e-02	9.96e-03	-7.49e-06
7	23	40	105.93	18.10	18.10	105.93	1.14e-02	6.35e-02	-2.29e-02	6.35e-02	-2.29e-02	5.29e-06
7	23	47	106.52	18.85	18.86	106.51	-0.65	5.53e-02	-1.40e-02	3.88e-02	2.57e-03	2.95e-02
7	23	48	106.10	18.22	18.22	106.09	0.15	3.13e-02	-3.81e-02	2.20e-02	-2.88e-02	-2.36e-02
7	23	55	108.64	18.93	18.93	108.64	0.67	0.32	6.09e-02	0.32	6.16e-02	-1.35e-02
7	23	56	108.23	18.54	18.57	108.19	-1.71	0.29	2.80e-02	0.29	3.03e-02	2.46e-02
7	23	63	110.24	18.57	19.02	109.79	6.40	6.64	1.35	6.63	1.36	-0.31
7	23	64	109.86	18.50	19.19	109.16	-7.94	6.59	1.26	6.57	1.28	0.33
7	23	71	36.93	-19.57	18.57	-1.20	-26.46	-2.71	-14.10	-14.03	-2.79	0.94
7	23	72	36.66	-16.99	20.37	-0.70	24.67	-2.71	-13.96	-13.88	-2.78	-0.92
7	24	13	15.54	-22.91	-6.73	-0.64	18.98	2.39	-0.15	0.41	1.84	-1.05
7	24	14	0.49	-39.70	-32.86	-6.35	15.10	-0.11	-1.38	-1.38	-0.12	-4.71e-02
7	24	15	13.29	-19.87	11.08	-17.67	8.27	-1.90	-2.22	-1.92	-2.20	-8.43e-02
7	24	16	52.96	3.58	46.13	10.41	17.04	6.57	1.12	6.44	1.25	-0.83
7	24	23	13.13	-14.42	4.10	-5.39	12.93	2.60	0.59	0.81	2.39	-0.62
7	24	24	-7.25	-17.49	-9.74	-14.99	4.40	-1.32	-3.27	-1.39	-3.20	-0.37
7	24	31	12.02	-7.90	9.76	-5.64	6.32	3.21	0.80	0.85	3.17	-0.33
7	24	32	-13.91	-22.11	-21.54	-14.48	2.08	-1.41	-4.24	-1.42	-4.22	-0.21
7	24	39	11.56	-5.66	11.56	-5.66	-1.14e-02	3.47	0.88	0.88	3.47	1.16e-05
7	24	40	-14.39	-25.38	-25.38	-14.39	-1.14e-02	-1.48	-4.60	-1.48	-4.60	7.61e-06
7	24	47	12.03	-7.92	9.76	-5.65	-6.33	3.21	0.80	0.85	3.16	0.33
7	24	48	-13.91	-22.12	-21.54	-14.48	-2.09	-1.41	-4.24	-1.42	-4.22	0.21
7	24	55	13.12	-14.43	4.09	-5.40	-12.93	2.60	0.59	0.80	2.39	0.62
7	24	56	-7.25	-17.50	-9.74	-15.01	-4.39	-1.32	-3.27	-1.40	-3.20	0.37
7	24	63	15.52	-22.90	-6.74	-0.64	-18.96	2.39	-0.15	0.41	1.84	1.05
7	24	64	13.28	-19.87	11.08	-17.67	-8.25	-1.90	-2.22	-1.92	-2.20	8.41e-02
7	24	71	0.47	-39.69	-32.87	-6.35	-15.08	-0.11	-1.38	-1.38	-0.12	4.71e-02
7	24	72	52.94	3.60	46.13	10.41	-17.02	6.57	1.12	6.44	1.25	0.83
7	25	13	111.03	18.70	19.15	110.58	-6.47	6.69	1.36	6.67	1.37	0.31
7	25	14	37.17	-19.68	18.70	-1.21	26.62	-2.73	-14.21	-14.13	-2.81	-0.95
7	25	15	110.64	18.63	19.33	109.95	7.97	6.64	1.27	6.62	1.29	-0.33
7	25	16	36.95	-17.14	20.51	-0.71	-24.88	-2.73	-14.06	-13.98	-2.80	0.93
7	25	23	109.42	19.06	19.06	109.41	-0.68	0.32	6.13e-02	0.32	6.20e-02	1.35e-02
7	25	24	109.00	18.67	18.70	108.97	1.72	0.29	2.82e-02	0.29	3.05e-02	-2.48e-02
7	25	31	107.28	18.98	18.99	107.28	0.67	5.55e-02	-1.49e-02	3.90e-02	1.61e-03	-2.98e-02
7	25	32	106.86	18.35	18.35	106.86	-0.13	3.14e-02	-3.84e-02	2.21e-02	-2.91e-02	2.37e-02
7	25	39	107.11	18.97	18.97	107.11	1.14e-02	7.92e-02	1.00e-02	7.92e-02	1.00e-02	-1.16e-05
7	25	40	106.69	18.23	18.23	106.69	1.14e-02	6.40e-02	-2.30e-02	6.40e-02	-2.30e-02	-7.61e-06
7	25	47	107.29	18.99	18.99	107.28	-0.66	5.58e-02	-1.40e-02	3.91e-02	2.60e-03	2.97e-02
7	25	48	106.86	18.35	18.35	106.86	0.15	3.15e-02	-3.83e-02	2.22e-02	-2.90e-02	-2.38e-02
7	25	55	109.43	19.06	19.07	109.43	0.68	0.32	6.14e-02	0.32	6.21e-02	-1.36e-02
7	25	56	109.01	18.67	18.71	108.98	-1.72	0.29	2.82e-02	0.29	3.06e-02	2.48e-02
7	25	63	111.03	18.71	19.16	110.58	6.45	6.69	1.36	6.67	1.37	-0.31
7	25	64	110.66	18.63	19.33	109.96	-7.99	6.64	1.27	6.62	1.29	0.33
7	25	71	37.19	-19.70	18.70	-1.21	-26.65	-2.73	-14.21	-14.13	-2.81	0.95
7	25	72	36.93	-17.12	20.51	-0.71	24.85	-2.73	-14.06	-13.98	-2.80	-0.93
7	26	13	16.01	-22.45	-6.60	0.16	18.93	2.41	-0.11	0.46	1.85	-1.05
7	26	14	0.65	-39.74	-32.73	-6.36	15.29	-0.13	-1.48	-1.48	-0.14	-5.40e-02
7	26	15	13.50	-19.15	11.22	-16.87	8.32	-1.85	-2.21	-1.88	-2.19	-8.67e-02
7	26	16	52.96	3.72	46.28	10.40	16.86	6.47	1.10	6.34	1.23	-0.83
7	26	23	13.48	-13.84	4.24	-4.60	12.92	2.60	0.59	0.81	2.39	-0.62
7	26	24	-6.93	-16.88	-9.60	-14.21	4.41	-1.32	-3.27	-1.39	-3.20	-0.37
7	26	31	12.24	-7.20	9.90	-4.87	6.32	3.21	0.80	0.85	3.17	-0.33
7	26	32	-13.18	-21.93	-21.41	-13.71	2.08	-1.41	-4.24	-1.42	-4.22	-0.21
7	26	39	11.69	-4.89	11.69	-4.89	-1.14e-02	3.47	0.88	0.88	3.47	7.49e-06
7	26	40	-13.62	-25.25	-25.25	-13.62	-1.14e-02	-1.48	-4.60	-1.48	-4.60	-5.29e-06
7	26	47	12.24	-7.22	9.89	-4.87	-6.34	3.21	0.80	0.85	3.16	0.33
7	26	48	-13.18	-21.94	-21.41	-13.71	-2.09	-1.41	-4.24	-1.42	-4.22	0.21
7	26	55	13.47	-13.85	4.23	-4.62	-12.92	2.60	0.59	0.81	2.39	0.62
7	26	56	-6.94	-16.89	-9.61	-14.22	-4.41	-1.32	-3.27	-1.39	-3.20	0.37
7	26	63	15.99	-22.44	-6.60	0.15	-18.91	2.41	-0.11	0.46	1.85	1.05
7	26	64	13.49	-19.15	11.22	-16.88	-8.30	-1.85	-2.21	-1.88	-2.19	8.66e-02
7	26	71	0.63	-39.72	-32.73	-6.36	-15.27	-0.13	-1.48	-1.48	-0.14	5.40e-02
7	26	72	52.94	3.74	46.28	10.40	-16.83	6.47	1.10	6.34	1.23	0.83
7	27	13	110.24	18.56	19.02	109.78	-6.42	6.64	1.35	6.63	1.36	0.31
7	27	14	36.90	-19.54	18.57	-1.21	26.44	-2.71	-14.10	-14.03	-2.79	-0.94

7	27	15	109.85	18.50	19.19	109.16	7.92	6.59	1.26	6.57	1.28	-0.33
7	27	16	36.68	-17.02	20.37	-0.70	-24.70	-2.71	-13.95	-13.88	-2.78	0.92
7	27	23	108.63	18.92	18.92	108.63	-0.67	0.32	6.08e-02	0.32	6.15e-02	1.34e-02
7	27	24	108.21	18.54	18.57	108.18	1.70	0.29	2.80e-02	0.29	3.03e-02	-2.47e-02
7	27	31	106.51	18.85	18.85	106.50	0.67	5.50e-02	-1.48e-02	3.87e-02	1.57e-03	-2.96e-02
7	27	32	106.09	18.21	18.21	106.09	-0.13	3.11e-02	-3.81e-02	2.19e-02	-2.88e-02	2.36e-02
7	27	39	106.34	18.83	18.83	106.34	1.14e-02	7.86e-02	9.96e-03	7.86e-02	9.96e-03	-1.19e-05
7	27	40	105.93	18.10	18.10	105.93	1.14e-02	6.35e-02	-2.29e-02	6.35e-02	-2.29e-02	-6.98e-06
7	27	47	106.52	18.85	18.86	106.51	-0.65	5.53e-02	-1.40e-02	3.88e-02	2.57e-03	2.95e-02
7	27	48	106.10	18.22	18.22	106.09	0.15	3.12e-02	-3.81e-02	2.20e-02	-2.88e-02	-2.36e-02
7	27	55	108.64	18.93	18.93	108.64	0.67	0.32	6.09e-02	0.32	6.16e-02	-1.35e-02
7	27	56	108.23	18.54	18.57	108.19	-1.71	0.29	2.80e-02	0.29	3.03e-02	2.46e-02
7	27	63	110.24	18.57	19.02	109.79	6.40	6.64	1.35	6.63	1.36	-0.31
7	27	64	109.86	18.50	19.19	109.16	-7.94	6.59	1.26	6.57	1.28	0.33
7	27	71	36.93	-19.57	18.57	-1.20	-26.46	-2.71	-14.10	-14.03	-2.79	0.94
7	27	72	36.66	-16.99	20.37	-0.70	24.67	-2.71	-13.96	-13.88	-2.78	-0.92
7	28	13	15.54	-22.91	-6.73	-0.64	18.98	2.39	-0.15	0.41	1.84	-1.05
7	28	14	0.49	-39.70	-32.86	-6.35	15.10	-0.11	-1.38	-1.38	-0.12	-4.71e-02
7	28	15	13.29	-19.87	11.08	-17.67	8.27	-1.90	-2.22	-1.92	-2.20	-8.43e-02
7	28	16	52.96	3.58	46.13	10.41	17.04	6.57	1.12	6.44	1.25	-0.83
7	28	23	13.13	-14.42	4.10	-5.39	12.93	2.60	0.59	0.81	2.39	-0.62
7	28	24	-7.25	-17.49	-9.74	-14.99	4.40	-1.32	-3.27	-1.39	-3.20	-0.37
7	28	31	12.02	-7.90	9.76	-5.64	6.32	3.21	0.80	0.85	3.17	-0.33
7	28	32	-13.91	-22.11	-21.54	-14.48	2.08	-1.41	-4.24	-1.42	-4.22	-0.21
7	28	39	11.56	-5.66	11.56	-5.66	-1.14e-02	3.47	0.88	0.88	3.47	7.22e-06
7	28	40	-14.39	-25.38	-25.38	-14.39	-1.14e-02	-1.48	-4.60	-1.48	-4.60	-4.65e-06
7	28	47	12.03	-7.92	9.76	-5.65	-6.33	3.21	0.80	0.85	3.16	0.33
7	28	48	-13.91	-22.12	-21.54	-14.48	-2.09	-1.41	-4.24	-1.42	-4.22	0.21
7	28	55	13.12	-14.43	4.09	-5.40	-12.93	2.60	0.59	0.80	2.39	0.62
7	28	56	-7.25	-17.50	-9.74	-15.01	-4.39	-1.32	-3.27	-1.40	-3.20	0.37
7	28	63	15.52	-22.90	-6.74	-0.64	-18.96	2.39	-0.15	0.41	1.84	1.05
7	28	64	13.28	-19.87	11.08	-17.67	-8.25	-1.90	-2.22	-1.92	-2.20	8.42e-02
7	28	71	0.47	-39.69	-32.87	-6.35	-15.08	-0.11	-1.38	-1.38	-0.12	4.71e-02
7	28	72	52.94	3.60	46.13	10.41	-17.02	6.57	1.12	6.44	1.25	0.83
7	29	13	111.03	18.70	19.15	110.58	-6.47	6.69	1.36	6.67	1.37	0.31
7	29	14	37.17	-19.68	18.70	-1.21	26.62	-2.73	-14.21	-14.13	-2.81	-0.95
7	29	15	110.64	18.63	19.33	109.95	7.97	6.64	1.27	6.62	1.29	-0.33
7	29	16	36.95	-17.14	20.51	-0.71	-24.88	-2.73	-14.06	-13.98	-2.80	0.93
7	29	23	109.42	19.06	19.06	109.41	-0.68	0.32	6.13e-02	0.32	6.20e-02	1.35e-02
7	29	24	109.00	18.67	18.70	108.97	1.72	0.29	2.82e-02	0.29	3.05e-02	-2.48e-02
7	29	31	107.28	18.98	18.99	107.28	0.67	5.55e-02	-1.49e-02	3.90e-02	1.61e-03	-2.98e-02
7	29	32	106.86	18.35	18.35	106.86	-0.13	3.14e-02	-3.84e-02	2.21e-02	-2.91e-02	2.37e-02
7	29	39	107.11	18.97	18.97	107.11	1.14e-02	7.92e-02	1.00e-02	7.92e-02	1.00e-02	-7.22e-06
7	29	40	106.69	18.23	18.23	106.69	1.14e-02	6.40e-02	-2.30e-02	6.40e-02	-2.30e-02	4.65e-06
7	29	47	107.29	18.99	18.99	107.28	-0.66	5.58e-02	-1.40e-02	3.91e-02	2.60e-03	2.98e-02
7	29	48	106.86	18.35	18.35	106.86	0.15	3.15e-02	-3.84e-02	2.22e-02	-2.90e-02	-2.38e-02
7	29	55	109.43	19.06	19.07	109.43	0.68	0.32	6.14e-02	0.32	6.21e-02	-1.36e-02
7	29	56	109.01	18.67	18.71	108.98	-1.72	0.29	2.82e-02	0.29	3.06e-02	2.48e-02
7	29	63	111.03	18.71	19.16	110.58	6.45	6.69	1.36	6.67	1.37	-0.31
7	29	64	110.66	18.63	19.33	109.96	-7.99	6.64	1.27	6.62	1.29	0.33
7	29	71	37.19	-19.70	18.70	-1.21	-26.65	-2.73	-14.21	-14.13	-2.81	0.95
7	29	72	36.93	-17.12	20.51	-0.71	24.85	-2.73	-14.06	-13.98	-2.80	-0.93
7	30	13	16.01	-22.45	-6.60	0.16	18.93	2.41	-0.11	0.46	1.85	-1.05
7	30	14	0.65	-39.74	-32.73	-6.36	15.29	-0.13	-1.48	-1.48	-0.14	-5.40e-02
7	30	15	13.50	-19.15	11.22	-16.87	8.32	-1.85	-2.21	-1.88	-2.19	-8.67e-02
7	30	16	52.96	3.72	46.28	10.40	16.86	6.47	1.10	6.34	1.23	-0.83
7	30	23	13.48	-13.84	4.24	-4.60	12.92	2.60	0.59	0.81	2.39	-0.62
7	30	24	-6.93	-16.88	-9.60	-14.21	4.41	-1.32	-3.27	-1.39	-3.20	-0.37
7	30	31	12.24	-7.20	9.90	-4.87	6.32	3.21	0.80	0.85	3.17	-0.33
7	30	32	-13.18	-21.93	-21.41	-13.71	2.08	-1.41	-4.24	-1.42	-4.22	-0.21
7	30	39	11.69	-4.89	11.69	-4.89	-1.14e-02	3.47	0.88	0.88	3.47	1.19e-05
7	30	40	-13.62	-25.25	-25.25	-13.62	-1.14e-02	-1.48	-4.60	-1.48	-4.60	6.98e-06
7	30	47	12.24	-7.22	9.89	-4.87	-6.34	3.21	0.80	0.85	3.16	0.33
7	30	48	-13.18	-21.94	-21.41	-13.71	-2.09	-1.41	-4.24	-1.42	-4.22	0.21
7	30	55	13.47	-13.85	4.23	-4.62	-12.92	2.60	0.59	0.81	2.39	0.62
7	30	56	-6.94	-16.89	-9.61	-14.22	-4.41	-1.32	-3.27	-1.39	-3.20	0.37
7	30	63	15.99	-22.44	-6.60	0.15	-18.91	2.41	-0.11	0.46	1.85	1.05
7	30	64	13.49	-19.15	11.22	-16.88	-8.30	-1.85	-2.21	-1.88	-2.19	8.66e-02
7	30	71	0.63	-39.72	-32.73	-6.36	-15.27	-0.13	-1.48	-1.48	-0.14	5.40e-02
7	30	72	52.94	3.74	46.28	10.40	-16.83	6.47	1.10	6.34	1.23	0.83
7	31	13	110.24	18.57	19.02	109.79	-6.40	6.64	1.35	6.63	1.36	0.31
7	31	14	36.93	-19.57	18.57	-1.20	26.46	-2.71	-14.10	-14.03	-2.79	-0.94
7	31	15	109.86	18.50	19.19	109.16	7.94	6.59	1.26	6.57	1.28	-0.33
7	31	16	36.66	-16.99	20.37	-0.70	-24.67	-2.71	-13.96	-13.88	-2.78	0.92
7	31	23	108.64	18.93	18.93	108.64	-0.67	0.32	6.09e-02	0.32	6.16e-02	1.35e-02
7	31	24	108.23	18.54	18.57	108.19	1.70	0.29	2.80e-02	0.29	3.03e-02	-2.46e-02
7	31	31	106.52	18.85	18.86	106.51	0.65	5.53e-02	-1.40e-02	3.88e-02	2.57e-03	-2.95e-02

7	31	32	106.10	18.22	18.22	106.09	-0.15	3.12e-02	-3.81e-02	2.20e-02	-2.88e-02	2.36e-02
7	31	39	106.34	18.83	18.83	106.34	-1.14e-02	7.86e-02	9.96e-03	7.86e-02	9.96e-03	1.32e-05
7	31	40	105.93	18.10	18.10	105.93	-1.14e-02	6.35e-02	-2.29e-02	6.35e-02	-2.29e-02	8.29e-06
7	31	47	106.51	18.85	18.85	106.50	-0.67	5.50e-02	-1.48e-02	3.87e-02	1.57e-03	2.96e-02
7	31	48	106.09	18.21	18.21	106.09	0.13	3.11e-02	-3.81e-02	2.19e-02	-2.88e-02	-2.36e-02
7	31	55	108.63	18.92	18.92	108.63	0.67	0.32	6.08e-02	0.32	6.15e-02	-1.34e-02
7	31	56	108.21	18.54	18.57	108.18	-1.70	0.29	2.80e-02	0.29	3.03e-02	2.47e-02
7	31	63	110.24	18.56	19.02	109.78	6.42	6.64	1.35	6.63	1.36	-0.31
7	31	64	109.85	18.50	19.19	109.16	-7.92	6.59	1.26	6.57	1.28	0.33
7	31	71	36.90	-19.54	18.57	-1.21	-26.44	-2.71	-14.10	-14.03	-2.79	0.94
7	31	72	36.68	-17.02	20.37	-0.70	24.70	-2.71	-13.95	-13.88	-2.78	-0.92
7	32	13	15.52	-22.90	-6.74	-0.64	18.96	2.39	-0.15	0.41	1.84	-1.05
7	32	14	0.47	-39.69	-32.87	-6.35	15.08	-0.11	-1.38	-1.38	-0.12	-4.71e-02
7	32	15	13.28	-19.87	11.08	-17.67	8.25	-1.90	-2.22	-1.92	-2.20	-8.41e-02
7	32	16	52.94	3.60	46.13	10.41	17.02	6.57	1.12	6.44	1.25	-0.83
7	32	23	13.12	-14.43	4.09	-5.40	12.93	2.60	0.59	0.80	2.39	-0.62
7	32	24	-7.25	-17.50	-9.74	-15.01	4.39	-1.32	-3.27	-1.40	-3.20	-0.37
7	32	31	12.03	-7.92	9.76	-5.65	6.33	3.21	0.80	0.85	3.16	-0.33
7	32	32	-13.91	-22.12	-21.54	-14.48	2.09	-1.41	-4.24	-1.42	-4.22	-0.21
7	32	39	11.56	-5.66	11.56	-5.66	1.14e-02	3.47	0.88	0.88	3.47	-9.13e-06
7	32	40	-14.39	-25.38	-25.38	-14.39	1.14e-02	-1.48	-4.60	-1.48	-4.60	4.61e-06
7	32	47	12.02	-7.90	9.76	-5.64	-6.32	3.21	0.80	0.85	3.17	0.33
7	32	48	-13.91	-22.11	-21.54	-14.47	-2.08	-1.41	-4.24	-1.42	-4.22	0.21
7	32	55	13.13	-14.42	4.10	-5.39	-12.93	2.60	0.59	0.81	2.39	0.62
7	32	56	-7.25	-17.49	-9.74	-14.99	-4.40	-1.32	-3.27	-1.39	-3.20	0.37
7	32	63	15.54	-22.91	-6.74	-0.64	-18.98	2.39	-0.15	0.41	1.84	1.05
7	32	64	13.29	-19.87	11.08	-17.67	-8.27	-1.90	-2.22	-1.92	-2.20	8.43e-02
7	32	71	0.49	-39.71	-32.87	-6.35	-15.10	-0.11	-1.38	-1.38	-0.12	4.71e-02
7	32	72	52.96	3.58	46.13	10.41	-17.04	6.57	1.12	6.44	1.25	0.83
7	33	13	111.03	18.70	19.16	110.58	-6.45	6.69	1.36	6.67	1.37	0.31
7	33	14	37.19	-19.70	18.70	-1.21	26.65	-2.73	-14.21	-14.13	-2.81	-0.95
7	33	15	110.65	18.63	19.33	109.96	7.99	6.64	1.27	6.62	1.29	-0.33
7	33	16	36.93	-17.12	20.51	-0.71	-24.85	-2.73	-14.06	-13.98	-2.80	0.93
7	33	23	109.43	19.06	19.07	109.43	-0.68	0.32	6.14e-02	0.32	6.21e-02	1.35e-02
7	33	24	109.01	18.67	18.71	108.98	1.72	0.29	2.82e-02	0.29	3.06e-02	-2.48e-02
7	33	31	107.29	18.99	18.99	107.28	0.66	5.58e-02	-1.40e-02	3.91e-02	2.61e-03	-2.98e-02
7	33	32	106.86	18.35	18.35	106.86	-0.15	3.15e-02	-3.83e-02	2.22e-02	-2.90e-02	2.38e-02
7	33	39	107.11	18.97	18.97	107.11	-1.14e-02	7.92e-02	1.00e-02	7.92e-02	1.00e-02	9.13e-06
7	33	40	106.69	18.23	18.23	106.69	-1.14e-02	6.40e-02	-2.30e-02	6.40e-02	-2.30e-02	-4.61e-06
7	33	47	107.28	18.98	18.99	107.28	-0.67	5.54e-02	-1.49e-02	3.90e-02	1.61e-03	2.98e-02
7	33	48	106.86	18.35	18.35	106.86	0.13	3.14e-02	-3.84e-02	2.20e-02	-2.91e-02	-2.37e-02
7	33	55	109.42	19.06	19.06	109.41	0.68	0.32	6.13e-02	0.32	6.20e-02	-1.35e-02
7	33	56	109.00	18.67	18.70	108.97	-1.72	0.29	2.82e-02	0.29	3.05e-02	2.48e-02
7	33	63	111.03	18.70	19.15	110.58	6.47	6.69	1.36	6.67	1.37	-0.31
7	33	64	110.65	18.63	19.33	109.95	-7.97	6.64	1.27	6.62	1.29	0.33
7	33	71	37.17	-19.68	18.70	-1.21	-26.62	-2.73	-14.21	-14.13	-2.81	0.95
7	33	72	36.95	-17.14	20.51	-0.71	24.88	-2.73	-14.06	-13.98	-2.80	-0.93
7	34	13	15.99	-22.44	-6.60	0.15	18.91	2.41	-0.11	0.46	1.85	-1.05
7	34	14	0.63	-39.72	-32.73	-6.36	15.27	-0.13	-1.48	-1.48	-0.14	-5.40e-02
7	34	15	13.49	-19.15	11.22	-16.88	8.30	-1.85	-2.21	-1.88	-2.19	-8.66e-02
7	34	16	52.94	3.74	46.28	10.40	16.83	6.47	1.10	6.34	1.23	-0.83
7	34	23	13.47	-13.85	4.23	-4.62	12.92	2.60	0.59	0.81	2.39	-0.62
7	34	24	-6.94	-16.89	-9.61	-14.22	4.41	-1.32	-3.27	-1.39	-3.20	-0.37
7	34	31	12.24	-7.22	9.89	-4.87	6.34	3.21	0.80	0.85	3.16	-0.33
7	34	32	-13.18	-21.94	-21.41	-13.71	2.09	-1.41	-4.24	-1.42	-4.22	-0.21
7	34	39	11.69	-4.89	11.69	-4.89	1.14e-02	3.47	0.88	0.88	3.47	-1.32e-05
7	34	40	-13.62	-25.25	-25.25	-13.62	1.14e-02	-1.48	-4.60	-1.48	-4.60	-8.29e-06
7	34	47	12.24	-7.20	9.90	-4.87	-6.32	3.21	0.80	0.85	3.17	0.33
7	34	48	-13.18	-21.93	-21.41	-13.71	-2.08	-1.41	-4.24	-1.42	-4.22	0.21
7	34	55	13.48	-13.84	4.24	-4.60	-12.92	2.60	0.59	0.81	2.39	0.62
7	34	56	-6.93	-16.88	-9.60	-14.21	-4.41	-1.32	-3.27	-1.39	-3.20	0.37
7	34	63	16.01	-22.45	-6.60	0.16	-18.93	2.41	-0.11	0.46	1.85	1.05
7	34	64	13.50	-19.16	11.22	-16.87	-8.32	-1.85	-2.21	-1.88	-2.19	8.67e-02
7	34	71	0.65	-39.74	-32.73	-6.36	-15.29	-0.13	-1.48	-1.48	-0.14	5.40e-02
7	34	72	52.96	3.72	46.28	10.40	-16.86	6.47	1.10	6.34	1.23	0.83
7	35	13	110.24	18.57	19.02	109.79	-6.40	6.64	1.35	6.63	1.36	0.31
7	35	14	36.93	-19.57	18.57	-1.20	26.46	-2.71	-14.10	-14.03	-2.79	-0.94
7	35	15	109.86	18.50	19.19	109.16	7.94	6.59	1.26	6.57	1.28	-0.33
7	35	16	36.66	-16.99	20.37	-0.70	-24.67	-2.71	-13.96	-13.88	-2.78	0.92
7	35	23	108.64	18.93	18.93	108.64	-0.67	0.32	6.09e-02	0.32	6.16e-02	1.35e-02
7	35	24	108.23	18.54	18.57	108.19	1.71	0.29	2.80e-02	0.29	3.03e-02	-2.46e-02
7	35	31	106.52	18.85	18.86	106.51	0.65	5.53e-02	-1.40e-02	3.88e-02	2.57e-03	-2.95e-02
7	35	32	106.10	18.22	18.22	106.09	-0.15	3.13e-02	-3.81e-02	2.20e-02	-2.88e-02	2.36e-02
7	35	39	106.34	18.83	18.83	106.34	-1.14e-02	7.86e-02	9.96e-03	7.86e-02	9.96e-03	8.85e-06
7	35	40	105.93	18.10	18.10	105.93	-1.14e-02	6.35e-02	-2.29e-02	6.35e-02	-2.29e-02	-3.98e-06
7	35	47	106.51	18.85	18.85	106.50	-0.67	5.50e-02	-1.48e-02	3.87e-02	1.57e-03	2.96e-02
7	35	48	106.09	18.21	18.21	106.09	0.13	3.11e-02	-3.81e-02	2.19e-02	-2.88e-02	-2.36e-02

7	35	55	108.63	18.92	18.92	108.63	0.67	0.32	6.08e-02	0.32	6.15e-02	-1.34e-02
7	35	56	108.21	18.54	18.57	108.18	-1.70	0.29	2.80e-02	0.29	3.03e-02	2.47e-02
7	35	63	110.24	18.56	19.02	109.78	6.42	6.64	1.35	6.63	1.36	-0.31
7	35	64	109.85	18.50	19.19	109.16	-7.92	6.59	1.26	6.57	1.28	0.33
7	35	71	36.90	-19.54	18.57	-1.21	-26.44	-2.71	-14.10	-14.03	-2.79	0.94
7	35	72	36.68	-17.02	20.37	-0.70	24.70	-2.71	-13.95	-13.88	-2.78	-0.93
7	36	13	15.52	-22.90	-6.74	-0.64	18.96	2.39	-0.15	0.41	1.84	-1.05
7	36	14	0.47	-39.69	-32.87	-6.35	15.08	-0.11	-1.38	-1.38	-0.12	-4.71e-02
7	36	15	13.28	-19.87	11.08	-17.67	8.25	-1.90	-2.22	-1.92	-2.20	-8.41e-02
7	36	16	52.94	3.60	46.13	10.41	17.02	6.57	1.12	6.44	1.25	-0.83
7	36	23	13.12	-14.43	4.09	-5.40	12.93	2.60	0.59	0.80	2.39	-0.62
7	36	24	-7.25	-17.50	-9.74	-15.01	4.39	-1.32	-3.27	-1.40	-3.20	-0.37
7	36	31	12.03	-7.92	9.76	-5.65	6.33	3.21	0.80	0.85	3.16	-0.33
7	36	32	-13.91	-22.12	-21.54	-14.48	2.09	-1.41	-4.24	-1.42	-4.22	-0.21
7	36	39	11.56	-5.66	11.56	-5.66	1.14e-02	3.47	0.88	0.88	3.47	-1.35e-05
7	36	40	-14.39	-25.38	-25.38	-14.39	1.14e-02	-1.48	-4.60	-1.48	-4.60	-7.65e-06
7	36	47	12.02	-7.90	9.76	-5.64	-6.32	3.21	0.80	0.85	3.17	0.33
7	36	48	-13.91	-22.11	-21.54	-14.47	-2.08	-1.41	-4.24	-1.42	-4.22	0.21
7	36	55	13.13	-14.42	4.10	-5.39	-12.93	2.60	0.59	0.81	2.39	0.62
7	36	56	-7.25	-17.49	-9.74	-14.99	-4.40	-1.32	-3.27	-1.39	-3.20	0.37
7	36	63	15.54	-22.91	-6.74	-0.64	-18.98	2.39	-0.15	0.41	1.84	1.05
7	36	64	13.29	-19.87	11.08	-17.67	-8.27	-1.90	-2.22	-1.92	-2.20	8.43e-02
7	36	71	0.49	-39.71	-32.87	-6.35	-15.10	-0.11	-1.38	-1.38	-0.12	4.71e-02
7	36	72	52.96	3.58	46.13	10.41	-17.04	6.57	1.12	6.44	1.25	0.83
7	37	13	111.03	18.70	19.16	110.58	-6.45	6.69	1.36	6.67	1.37	0.31
7	37	14	37.19	-19.70	18.70	-1.21	26.65	-2.73	-14.21	-14.13	-2.81	-0.95
7	37	15	110.65	18.63	19.33	109.96	7.99	6.64	1.27	6.62	1.29	-0.33
7	37	16	36.93	-17.12	20.51	-0.71	-24.85	-2.73	-14.06	-13.98	-2.80	0.93
7	37	23	109.43	19.06	19.07	109.43	-0.68	0.32	6.14e-02	0.32	6.21e-02	1.36e-02
7	37	24	109.01	18.67	18.71	108.98	1.72	0.29	2.82e-02	0.29	3.06e-02	-2.48e-02
7	37	31	107.29	18.99	18.99	107.28	0.66	5.58e-02	-1.40e-02	3.91e-02	2.61e-03	-2.98e-02
7	37	32	106.86	18.35	18.35	106.86	-0.15	3.15e-02	-3.83e-02	2.22e-02	-2.90e-02	2.38e-02
7	37	39	107.11	18.97	18.97	107.11	-1.14e-02	7.92e-02	1.00e-02	7.92e-02	1.00e-02	1.35e-05
7	37	40	106.69	18.23	18.23	106.69	-1.14e-02	6.40e-02	-2.30e-02	6.40e-02	-2.30e-02	7.65e-06
7	37	47	107.28	18.98	18.99	107.28	-0.67	5.54e-02	-1.49e-02	3.90e-02	1.61e-03	2.98e-02
7	37	48	106.86	18.35	18.35	106.86	0.13	3.14e-02	-3.84e-02	2.20e-02	-2.91e-02	-2.37e-02
7	37	55	109.42	19.06	19.06	109.41	0.68	0.32	6.13e-02	0.32	6.20e-02	-1.35e-02
7	37	56	109.00	18.67	18.70	108.97	-1.72	0.29	2.82e-02	0.29	3.05e-02	2.48e-02
7	37	63	111.03	18.70	19.15	110.58	6.47	6.69	1.36	6.67	1.37	-0.31
7	37	64	110.65	18.63	19.33	109.95	-7.97	6.64	1.27	6.62	1.29	0.33
7	37	71	37.17	-19.68	18.70	-1.21	-26.62	-2.73	-14.21	-14.13	-2.81	0.95
7	37	72	36.95	-17.14	20.51	-0.71	24.88	-2.73	-14.06	-13.98	-2.80	-0.93
7	38	13	15.99	-22.44	-6.60	0.15	18.91	2.41	-0.11	0.46	1.85	-1.05
7	38	14	0.63	-39.72	-32.73	-6.36	15.27	-0.13	-1.48	-1.48	-0.14	-5.40e-02
7	38	15	13.49	-19.15	11.22	-16.88	8.30	-1.85	-2.21	-1.88	-2.19	-8.66e-02
7	38	16	52.94	3.74	46.28	10.40	16.83	6.47	1.10	6.34	1.23	-0.83
7	38	23	13.47	-13.85	4.23	-4.62	12.92	2.60	0.59	0.81	2.39	-0.62
7	38	24	-6.94	-16.89	-9.61	-14.22	4.41	-1.32	-3.27	-1.39	-3.20	-0.37
7	38	31	12.24	-7.22	9.89	-4.87	6.34	3.21	0.80	0.85	3.16	-0.33
7	38	32	-13.18	-21.94	-21.41	-13.71	2.09	-1.41	-4.24	-1.42	-4.22	-0.21
7	38	39	11.69	-4.89	11.69	-4.89	1.14e-02	3.47	0.88	0.88	3.47	-8.85e-06
7	38	40	-13.62	-25.25	-25.25	-13.62	1.14e-02	-1.48	-4.60	-1.48	-4.60	3.98e-06
7	38	47	12.24	-7.20	9.90	-4.87	-6.32	3.21	0.80	0.85	3.17	0.33
7	38	48	-13.18	-21.93	-21.41	-13.71	-2.08	-1.41	-4.24	-1.42	-4.22	0.21
7	38	55	13.48	-13.84	4.24	-4.60	-12.92	2.60	0.59	0.81	2.39	0.62
7	38	56	-6.93	-16.88	-9.60	-14.21	-4.41	-1.32	-3.27	-1.39	-3.20	0.37
7	38	63	16.01	-22.45	-6.60	0.16	-18.93	2.41	-0.11	0.46	1.85	1.05
7	38	64	13.50	-19.16	11.22	-16.87	-8.32	-1.85	-2.21	-1.88	-2.19	8.67e-02
7	38	71	0.65	-39.74	-32.73	-6.36	-15.29	-0.13	-1.48	-1.48	-0.14	5.40e-02
7	38	72	52.96	3.72	46.28	10.40	-16.86	6.47	1.10	6.34	1.23	0.83
7	39	13	0.43	-0.39	0.10	-6.25e-02	0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.96e-03
7	39	14	0.33	-0.22	0.14	-1.82e-02	0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	1.25e-02
7	39	15	7.18e-02	-0.29	6.37e-02	-0.28	5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.64e-03
7	39	16	0.57	-4.14e-02	0.39	0.14	0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	-1.31e-02
7	39	23	0.21	-0.38	-4.48e-02	-0.13	0.29	-2.75e-03	-6.70e-03	-6.18e-03	-3.27e-03	1.34e-03
7	39	24	-0.11	-0.29	-0.11	-0.29	1.87e-02	-1.71e-04	-5.65e-03	-5.54e-03	-2.83e-04	-7.77e-04
7	39	31	1.57e-02	-0.27	-0.13	-0.13	0.14	-2.68e-03	-5.61e-03	-5.47e-03	-2.83e-03	6.33e-04
7	39	32	-0.21	-0.28	-0.21	-0.28	1.26e-02	1.89e-04	-3.88e-03	-3.85e-03	1.61e-04	-3.35e-04
7	39	39	-0.13	-0.15	-0.15	-0.13	1.24e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	1.48e-06
7	39	40	-0.25	-0.28	-0.25	-0.28	1.24e-03	3.54e-04	-3.60e-03	-3.60e-03	3.54e-04	7.84e-06
7	39	47	1.45e-02	-0.27	-0.13	-0.13	-0.14	-2.57e-03	-5.58e-03	-5.44e-03	-2.71e-03	-6.34e-04
7	39	48	-0.21	-0.28	-0.21	-0.28	-1.08e-02	1.92e-04	-3.87e-03	-3.84e-03	1.66e-04	3.24e-04
7	39	55	0.21	-0.38	-4.42e-02	-0.13	-0.29	-2.73e-03	-6.64e-03	-6.11e-03	-3.26e-03	-1.34e-03
7	39	56	-0.10	-0.29	-0.11	-0.29	-1.88e-02	-1.66e-04	-5.63e-03	-5.52e-03	-2.79e-04	7.79e-04
7	39	63	0.44	-0.40	0.10	-6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	9.98e-03
7	39	64	7.27e-02	-0.29	6.39e-02	-0.28	-5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.62e-03
7	39	71	0.34	-0.22	0.14	-1.82e-02	-0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	-1.25e-02

7	39	72	0.57	-4.40e-02	0.39	0.14	-0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	1.31e-02
7	40	13	0.40	-0.36	0.11	-6.35e-02	0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.90e-03
7	40	14	0.31	-0.18	0.15	-1.57e-02	0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	1.25e-02
7	40	15	6.47e-02	-0.29	6.34e-02	-0.29	2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.74e-03
7	40	16	0.54	-1.07e-02	0.39	0.14	0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	-1.30e-02
7	40	23	0.18	-0.36	-4.65e-02	-0.14	0.26	-2.84e-03	-6.89e-03	-6.41e-03	-3.32e-03	1.31e-03
7	40	24	-0.11	-0.29	-0.11	-0.29	-8.07e-03	-1.78e-04	-5.81e-03	-5.69e-03	-3.00e-04	-8.19e-04
7	40	31	-7.69e-03	-0.26	-0.14	-0.14	0.13	-2.49e-03	-5.65e-03	-5.51e-03	-2.63e-03	6.50e-04
7	40	32	-0.21	-0.28	-0.21	-0.28	-3.64e-03	3.75e-04	-3.93e-03	-3.90e-03	3.52e-04	-3.15e-04
7	40	39	-0.14	-0.16	-0.16	-0.14	-1.30e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	3.60e-06
7	40	40	-0.25	-0.28	-0.25	-0.28	-1.30e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	8.10e-06
7	40	47	-6.64e-03	-0.27	-0.14	-0.14	-0.13	-2.60e-03	-5.65e-03	-5.51e-03	-2.74e-03	-6.43e-04
7	40	48	-0.21	-0.28	-0.21	-0.28	1.82e-03	3.70e-04	-3.94e-03	-3.92e-03	3.47e-04	3.09e-04
7	40	55	0.17	-0.36	-4.75e-02	-0.14	-0.26	-2.85e-03	-6.93e-03	-6.46e-03	-3.32e-03	-1.30e-03
7	40	56	-0.11	-0.29	-0.11	-0.29	8.19e-03	-1.80e-04	-5.83e-03	-5.70e-03	-3.04e-04	8.28e-04
7	40	63	0.40	-0.36	0.11	-6.37e-02	-0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	9.88e-03
7	40	64	6.43e-02	-0.29	6.32e-02	-0.29	-1.90e-02	-6.72e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.75e-03
7	40	71	0.31	-0.17	0.15	-1.57e-02	-0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	-1.25e-02
7	40	72	0.54	-8.16e-03	0.39	0.14	-0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	1.30e-02
7	41	13	0.43	-0.39	0.10	-6.25e-02	0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.96e-03
7	41	14	0.33	-0.22	0.14	-1.82e-02	0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	1.25e-02
7	41	15	7.18e-02	-0.29	6.37e-02	-0.28	5.39e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.64e-03
7	41	16	0.57	-4.14e-02	0.39	0.14	0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	-1.31e-02
7	41	23	0.21	-0.38	-4.50e-02	-0.13	0.29	-2.75e-03	-6.69e-03	-6.17e-03	-3.27e-03	1.33e-03
7	41	24	-0.11	-0.29	-0.11	-0.29	1.87e-02	-1.69e-04	-5.65e-03	-5.54e-03	-2.83e-04	-7.82e-04
7	41	31	1.56e-02	-0.27	-0.13	-0.13	0.14	-2.68e-03	-5.60e-03	-5.46e-03	-2.82e-03	6.30e-04
7	41	32	-0.21	-0.28	-0.21	-0.28	1.26e-02	1.88e-04	-3.88e-03	-3.85e-03	1.62e-04	-3.26e-04
7	41	39	-0.13	-0.15	-0.15	-0.13	1.30e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	-3.60e-06
7	41	40	-0.25	-0.28	-0.25	-0.28	1.30e-03	3.54e-04	-3.60e-03	-3.60e-03	3.54e-04	-8.10e-06
7	41	47	1.45e-02	-0.27	-0.13	-0.13	-0.14	-2.57e-03	-5.60e-03	-5.45e-03	-2.72e-03	-6.37e-04
7	41	48	-0.21	-0.28	-0.21	-0.28	-1.08e-02	1.94e-04	-3.87e-03	-3.84e-03	1.66e-04	3.32e-04
7	41	55	0.21	-0.38	-4.40e-02	-0.13	-0.29	-2.74e-03	-6.65e-03	-6.12e-03	-3.27e-03	-1.34e-03
7	41	56	-0.10	-0.29	-0.11	-0.29	-1.88e-02	-1.68e-04	-5.63e-03	-5.52e-03	-2.79e-04	7.73e-04
7	41	63	0.44	-0.40	0.10	-6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	9.98e-03
7	41	64	7.27e-02	-0.29	6.39e-02	-0.28	-5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.63e-03
7	41	71	0.34	-0.22	0.14	-1.82e-02	-0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	-1.25e-02
7	41	72	0.57	-4.40e-02	0.39	0.14	-0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	1.31e-02
7	42	13	0.40	-0.36	0.11	-6.34e-02	0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.90e-03
7	42	14	0.31	-0.18	0.15	-1.57e-02	0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	1.25e-02
7	42	15	6.47e-02	-0.29	6.34e-02	-0.29	2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.73e-03
7	42	16	0.54	-1.07e-02	0.39	0.14	0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	-1.30e-02
7	42	23	0.18	-0.36	-4.68e-02	-0.14	0.26	-2.84e-03	-6.88e-03	-6.40e-03	-3.32e-03	1.31e-03
7	42	24	-0.11	-0.29	-0.11	-0.29	-8.04e-03	-1.76e-04	-5.81e-03	-5.69e-03	-3.00e-04	-8.24e-04
7	42	31	-7.75e-03	-0.26	-0.14	-0.14	0.13	-2.49e-03	-5.63e-03	-5.50e-03	-2.63e-03	6.47e-04
7	42	32	-0.21	-0.28	-0.21	-0.28	-3.61e-03	3.74e-04	-3.93e-03	-3.90e-03	3.52e-04	-3.06e-04
7	42	39	-0.14	-0.16	-0.16	-0.14	-1.24e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	-1.48e-06
7	42	40	-0.25	-0.28	-0.25	-0.28	-1.24e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	-7.84e-06
7	42	47	-6.57e-03	-0.27	-0.14	-0.14	-0.13	-2.60e-03	-5.66e-03	-5.52e-03	-2.74e-03	-6.45e-04
7	42	48	-0.21	-0.28	-0.21	-0.28	1.85e-03	3.71e-04	-3.94e-03	-3.92e-03	3.47e-04	3.18e-04
7	42	55	0.17	-0.36	-4.73e-02	-0.14	-0.26	-2.86e-03	-6.95e-03	-6.47e-03	-3.33e-03	-1.31e-03
7	42	56	-0.11	-0.29	-0.11	-0.29	8.21e-03	-1.82e-04	-5.83e-03	-5.70e-03	-3.04e-04	8.22e-04
7	42	63	0.40	-0.36	0.11	-6.37e-02	-0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	9.89e-03
7	42	64	6.43e-02	-0.29	6.33e-02	-0.29	-1.90e-02	-6.71e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.75e-03
7	42	71	0.31	-0.17	0.15	-1.57e-02	-0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	-1.25e-02
7	42	72	0.54	-8.15e-03	0.39	0.14	-0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	1.30e-02
7	43	13	0.44	-0.40	0.10	-6.22e-02	0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.98e-03
7	43	14	0.34	-0.22	0.14	-1.82e-02	0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	1.25e-02
7	43	15	7.27e-02	-0.29	6.38e-02	-0.28	5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.63e-03
7	43	16	0.58	-4.40e-02	0.39	0.14	0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	-1.31e-02
7	43	23	0.21	-0.38	-4.40e-02	-0.13	0.29	-2.74e-03	-6.65e-03	-6.12e-03	-3.27e-03	1.34e-03
7	43	24	-0.10	-0.29	-0.11	-0.29	1.88e-02	-1.68e-04	-5.63e-03	-5.52e-03	-2.79e-04	-7.73e-04
7	43	31	1.46e-02	-0.27	-0.13	-0.13	0.14	-2.57e-03	-5.60e-03	-5.46e-03	-2.72e-03	6.37e-04
7	43	32	-0.21	-0.28	-0.21	-0.28	1.08e-02	1.94e-04	-3.87e-03	-3.84e-03	1.66e-04	-3.33e-04
7	43	39	-0.13	-0.15	-0.15	-0.13	-1.30e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	3.78e-06
7	43	40	-0.25	-0.28	-0.25	-0.28	-1.30e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	8.18e-06
7	43	47	1.56e-02	-0.27	-0.13	-0.13	-0.14	-2.68e-03	-5.60e-03	-5.46e-03	-2.82e-03	-6.30e-04
7	43	48	-0.21	-0.28	-0.21	-0.28	-1.26e-02	1.88e-04	-3.88e-03	-3.85e-03	1.62e-04	3.26e-04
7	43	55	0.21	-0.38	-4.50e-02	-0.13	-0.29	-2.75e-03	-6.69e-03	-6.17e-03	-3.27e-03	-1.33e-03
7	43	56	-0.11	-0.29	-0.11	-0.29	-1.87e-02	-1.69e-04	-5.65e-03	-5.54e-03	-2.83e-04	7.82e-04
7	43	63	0.43	-0.39	0.10	-6.25e-02	-0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	9.96e-03
7	43	64	7.19e-02	-0.29	6.37e-02	-0.28	-5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.64e-03
7	43	71	0.33	-0.22	0.14	-1.82e-02	-0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	-1.25e-02
7	43	72	0.57	-4.14e-02	0.39	0.14	-0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	1.31e-02
7	44	13	0.40	-0.36	0.11	-6.37e-02	0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.89e-03
7	44	14	0.31	-0.17	0.15	-1.57e-02	0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	1.25e-02
7	44	15	6.43e-02	-0.29	6.33e-02	-0.29	1.90e-02	-6.71e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.75e-03
7	44	16	0.54	-8.14e-03	0.39	0.14	0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	-1.30e-02

7	44	23	0.17	-0.36	-4.73e-02	-0.14	0.26	-2.86e-03	-6.95e-03	-6.47e-03	-3.33e-03	1.31e-03
7	44	24	-0.11	-0.29	-0.11	-0.29	-8.21e-03	-1.82e-04	-5.83e-03	-5.70e-03	-3.04e-04	-8.22e-04
7	44	31	-6.58e-03	-0.27	-0.14	-0.14	0.13	-2.60e-03	-5.66e-03	-5.52e-03	-2.74e-03	6.46e-04
7	44	32	-0.21	-0.28	-0.21	-0.28	-1.84e-03	3.71e-04	-3.94e-03	-3.92e-03	3.47e-04	-3.18e-04
7	44	39	-0.14	-0.16	-0.16	-0.14	1.24e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	1.30e-06
7	44	40	-0.25	-0.28	-0.25	-0.28	1.24e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	7.77e-06
7	44	47	-7.75e-03	-0.26	-0.14	-0.14	-0.13	-2.49e-03	-5.63e-03	-5.49e-03	-2.63e-03	-6.47e-04
7	44	48	-0.21	-0.28	-0.21	-0.28	3.62e-03	3.74e-04	-3.92e-03	-3.90e-03	3.52e-04	3.06e-04
7	44	55	0.18	-0.36	-4.68e-02	-0.14	-0.26	-2.84e-03	-6.88e-03	-6.40e-03	-3.32e-03	-1.31e-03
7	44	56	-0.11	-0.29	-0.11	-0.29	8.05e-03	-1.77e-04	-5.81e-03	-5.69e-03	-3.00e-04	8.24e-04
7	44	63	0.40	-0.36	0.11	-6.34e-02	-0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	9.90e-03
7	44	64	6.47e-02	-0.29	6.34e-02	-0.29	-2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	-9.73e-03
7	44	71	0.31	-0.18	0.15	-1.57e-02	-0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	-1.25e-02
7	44	72	0.54	-1.07e-02	0.39	0.14	-0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	1.30e-02
7	45	13	0.44	-0.40	0.10	-6.22e-02	0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.98e-03
7	45	14	0.34	-0.22	0.14	-1.82e-02	0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	1.25e-02
7	45	15	7.27e-02	-0.29	6.38e-02	-0.28	5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.62e-03
7	45	16	0.58	-4.40e-02	0.39	0.14	0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	-1.31e-02
7	45	23	0.21	-0.38	-4.42e-02	-0.13	0.29	-2.73e-03	-6.64e-03	-6.11e-03	-3.26e-03	1.34e-03
7	45	24	-0.10	-0.29	-0.11	-0.29	1.88e-02	-1.66e-04	-5.63e-03	-5.52e-03	-2.79e-04	-7.79e-04
7	45	31	1.45e-02	-0.27	-0.13	-0.13	0.14	-2.57e-03	-5.58e-03	-5.44e-03	-2.71e-03	6.34e-04
7	45	32	-0.21	-0.28	-0.21	-0.28	1.08e-02	1.92e-04	-3.87e-03	-3.84e-03	1.66e-04	-3.24e-04
7	45	39	-0.13	-0.15	-0.15	-0.13	-1.24e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	-1.30e-06
7	45	40	-0.25	-0.28	-0.25	-0.28	-1.24e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	-7.77e-06
7	45	47	1.57e-02	-0.27	-0.13	-0.13	-0.14	-2.68e-03	-5.61e-03	-5.47e-03	-2.83e-03	-6.33e-04
7	45	48	-0.21	-0.28	-0.21	-0.28	-1.26e-02	1.89e-04	-3.88e-03	-3.85e-03	1.61e-04	3.35e-04
7	45	55	0.21	-0.38	-4.48e-02	-0.13	-0.29	-2.75e-03	-6.70e-03	-6.18e-03	-3.27e-03	-1.34e-03
7	45	56	-0.11	-0.29	-0.11	-0.29	-1.87e-02	-1.71e-04	-5.65e-03	-5.54e-03	-2.83e-04	7.77e-04
7	45	63	0.43	-0.39	0.10	-6.25e-02	-0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	9.96e-03
7	45	64	7.19e-02	-0.29	6.37e-02	-0.28	-5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.64e-03
7	45	71	0.33	-0.22	0.14	-1.82e-02	-0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	-1.25e-02
7	45	72	0.57	-4.14e-02	0.39	0.14	-0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	1.31e-02
7	46	13	0.40	-0.36	0.11	-6.37e-02	0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.88e-03
7	46	14	0.31	-0.17	0.15	-1.57e-02	0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	1.25e-02
7	46	15	6.43e-02	-0.29	6.33e-02	-0.29	1.90e-02	-6.72e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.75e-03
7	46	16	0.54	-8.15e-03	0.39	0.14	0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	-1.30e-02
7	46	23	0.17	-0.36	-4.75e-02	-0.14	0.26	-2.85e-03	-6.93e-03	-6.46e-03	-3.32e-03	1.30e-03
7	46	24	-0.11	-0.29	-0.11	-0.29	-8.18e-03	-1.80e-04	-5.83e-03	-5.70e-03	-3.04e-04	-8.28e-04
7	46	31	-6.65e-03	-0.27	-0.14	-0.14	0.13	-2.60e-03	-5.65e-03	-5.51e-03	-2.74e-03	6.43e-04
7	46	32	-0.21	-0.28	-0.21	-0.28	-1.82e-03	3.69e-04	-3.94e-03	-3.92e-03	3.47e-04	-3.09e-04
7	46	39	-0.14	-0.16	-0.16	-0.14	1.30e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	-3.78e-06
7	46	40	-0.25	-0.28	-0.25	-0.28	1.30e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	-8.18e-06
7	46	47	-7.68e-03	-0.26	-0.14	-0.14	-0.13	-2.49e-03	-5.65e-03	-5.51e-03	-2.63e-03	-6.50e-04
7	46	48	-0.21	-0.28	-0.21	-0.28	3.65e-03	3.75e-04	-3.93e-03	-3.90e-03	3.52e-04	3.15e-04
7	46	55	0.18	-0.36	-4.65e-02	-0.14	-0.26	-2.84e-03	-6.89e-03	-6.41e-03	-3.32e-03	-1.31e-03
7	46	56	-0.11	-0.29	-0.11	-0.29	8.08e-03	-1.79e-04	-5.81e-03	-5.69e-03	-3.00e-04	8.19e-04
7	46	63	0.40	-0.36	0.11	-6.34e-02	-0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	9.90e-03
7	46	64	6.47e-02	-0.29	6.34e-02	-0.29	-2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	-9.74e-03
7	46	71	0.31	-0.18	0.15	-1.57e-02	-0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	-1.25e-02
7	46	72	0.54	-1.07e-02	0.39	0.14	-0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	1.30e-02
7	47	13	0.43	-0.39	0.10	-6.25e-02	0.41	9.46e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.96e-03
7	47	14	0.33	-0.22	0.14	-1.82e-02	0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	1.25e-02
7	47	15	7.19e-02	-0.29	6.37e-02	-0.28	5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.64e-03
7	47	16	0.57	-4.14e-02	0.39	0.14	0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	-1.31e-02
7	47	23	0.21	-0.38	-4.48e-02	-0.13	0.29	-2.76e-03	-6.70e-03	-6.18e-03	-3.27e-03	1.33e-03
7	47	24	-0.11	-0.29	-0.11	-0.29	1.87e-02	-1.69e-04	-5.65e-03	-5.54e-03	-2.83e-04	-7.82e-04
7	47	31	1.57e-02	-0.27	-0.13	-0.13	0.14	-2.68e-03	-5.61e-03	-5.47e-03	-2.83e-03	6.30e-04
7	47	32	-0.21	-0.28	-0.21	-0.28	1.26e-02	1.88e-04	-3.88e-03	-3.85e-03	1.61e-04	-3.27e-04
7	47	39	-0.13	-0.15	-0.15	-0.13	1.28e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	-3.94e-06
7	47	40	-0.25	-0.28	-0.25	-0.28	1.28e-03	3.54e-04	-3.60e-03	-3.60e-03	3.54e-04	-7.32e-06
7	47	47	1.45e-02	-0.27	-0.13	-0.13	-0.14	-2.57e-03	-5.59e-03	-5.44e-03	-2.71e-03	-6.37e-04
7	47	48	-0.21	-0.28	-0.21	-0.28	-1.08e-02	1.94e-04	-3.87e-03	-3.84e-03	1.66e-04	3.32e-04
7	47	55	0.21	-0.38	-4.42e-02	-0.13	-0.29	-2.73e-03	-6.64e-03	-6.11e-03	-3.26e-03	-1.34e-03
7	47	56	-0.10	-0.29	-0.11	-0.29	-1.88e-02	-1.67e-04	-5.63e-03	-5.52e-03	-2.79e-04	7.73e-04
7	47	63	0.43	-0.40	0.10	-6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	9.98e-03
7	47	64	7.27e-02	-0.29	6.39e-02	-0.28	-5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.62e-03
7	47	71	0.34	-0.22	0.14	-1.82e-02	-0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	-1.25e-02
7	47	72	0.57	-4.40e-02	0.39	0.14	-0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	1.31e-02
7	48	13	0.40	-0.36	0.11	-6.34e-02	0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.90e-03
7	48	14	0.31	-0.18	0.15	-1.57e-02	0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	1.25e-02
7	48	15	6.47e-02	-0.29	6.34e-02	-0.29	2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.74e-03
7	48	16	0.54	-1.07e-02	0.39	0.14	0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	-1.30e-02
7	48	23	0.18	-0.36	-4.66e-02	-0.14	0.26	-2.84e-03	-6.89e-03	-6.41e-03	-3.32e-03	1.31e-03
7	48	24	-0.11	-0.29	-0.11	-0.29	-8.05e-03	-1.77e-04	-5.81e-03	-5.69e-03	-3.00e-04	-8.24e-04
7	48	31	-7.67e-03	-0.26	-0.14	-0.14	0.13	-2.49e-03	-5.64e-03	-5.51e-03	-2.63e-03	6.47e-04
7	48	32	-0.21	-0.28	-0.21	-0.28	-3.62e-03	3.74e-04	-3.93e-03	-3.90e-03	3.52e-04	-3.06e-04
7	48	39	-0.14	-0.16	-0.16	-0.14	-1.26e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	-1.82e-06

7	48	40	-0.25	-0.28	-0.25	-0.28	-1.26e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	-7.06e-06
7	48	47	-6.65e-03	-0.27	-0.14	-0.14	-0.13	-2.60e-03	-5.65e-03	-5.51e-03	-2.74e-03	-6.45e-04
7	48	48	-0.21	-0.28	-0.21	-0.28	1.84e-03	3.71e-04	-3.94e-03	-3.92e-03	3.47e-04	3.17e-04
7	48	55	0.17	-0.36	-4.75e-02	-0.14	-0.26	-2.85e-03	-6.93e-03	-6.46e-03	-3.32e-03	-1.31e-03
7	48	56	-0.11	-0.29	-0.11	-0.29	8.21e-03	-1.81e-04	-5.82e-03	-5.70e-03	-3.04e-04	8.22e-04
7	48	63	0.40	-0.36	0.11	-6.37e-02	-0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	9.89e-03
7	48	64	6.43e-02	-0.29	6.32e-02	-0.29	-1.90e-02	-6.72e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.74e-03
7	48	71	0.31	-0.17	0.15	-1.57e-02	-0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	-1.25e-02
7	48	72	0.54	-8.16e-03	0.39	0.14	-0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	1.30e-02
7	49	13	0.43	-0.39	0.10	-6.25e-02	0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.96e-03
7	49	14	0.33	-0.22	0.14	-1.82e-02	0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	1.25e-02
7	49	15	7.18e-02	-0.29	6.37e-02	-0.28	5.39e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.63e-03
7	49	16	0.57	-4.14e-02	0.39	0.14	0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	-1.31e-02
7	49	23	0.21	-0.38	-4.50e-02	-0.13	0.29	-2.75e-03	-6.69e-03	-6.17e-03	-3.27e-03	1.34e-03
7	49	24	-0.11	-0.29	-0.11	-0.29	1.87e-02	-1.71e-04	-5.65e-03	-5.54e-03	-2.83e-04	-7.77e-04
7	49	31	1.56e-02	-0.27	-0.13	-0.13	0.14	-2.68e-03	-5.60e-03	-5.46e-03	-2.82e-03	6.33e-04
7	49	32	-0.21	-0.28	-0.21	-0.28	1.26e-02	1.89e-04	-3.88e-03	-3.85e-03	1.62e-04	-3.35e-04
7	49	39	-0.13	-0.15	-0.15	-0.13	1.26e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	1.82e-06
7	49	40	-0.25	-0.28	-0.25	-0.28	1.26e-03	3.54e-04	-3.60e-03	-3.60e-03	3.54e-04	7.06e-06
7	49	47	1.46e-02	-0.27	-0.13	-0.13	-0.14	-2.58e-03	-5.59e-03	-5.45e-03	-2.72e-03	-6.34e-04
7	49	48	-0.21	-0.28	-0.21	-0.28	-1.08e-02	1.92e-04	-3.87e-03	-3.84e-03	1.66e-04	3.24e-04
7	49	55	0.21	-0.38	-4.40e-02	-0.13	-0.29	-2.74e-03	-6.65e-03	-6.12e-03	-3.27e-03	-1.34e-03
7	49	56	-0.10	-0.29	-0.11	-0.29	-1.88e-02	-1.66e-04	-5.63e-03	-5.52e-03	-2.79e-04	7.79e-04
7	49	63	0.44	-0.40	0.10	-6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	9.98e-03
7	49	64	7.27e-02	-0.29	6.39e-02	-0.28	-5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.63e-03
7	49	71	0.34	-0.22	0.14	-1.82e-02	-0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	-1.25e-02
7	49	72	0.57	-4.40e-02	0.39	0.14	-0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	1.31e-02
7	50	13	0.40	-0.36	0.11	-6.35e-02	0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.90e-03
7	50	14	0.31	-0.18	0.15	-1.57e-02	0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	1.25e-02
7	50	15	6.47e-02	-0.29	6.34e-02	-0.29	2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.73e-03
7	50	16	0.54	-1.07e-02	0.39	0.14	0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	-1.30e-02
7	50	23	0.18	-0.36	-4.67e-02	-0.14	0.26	-2.83e-03	-6.88e-03	-6.40e-03	-3.32e-03	1.31e-03
7	50	24	-0.11	-0.29	-0.11	-0.29	-8.07e-03	-1.78e-04	-5.81e-03	-5.68e-03	-3.00e-04	-8.19e-04
7	50	31	-7.77e-03	-0.26	-0.14	-0.14	0.13	-2.49e-03	-5.64e-03	-5.50e-03	-2.63e-03	6.50e-04
7	50	32	-0.21	-0.28	-0.21	-0.28	-3.63e-03	3.75e-04	-3.93e-03	-3.90e-03	3.52e-04	-3.15e-04
7	50	39	-0.14	-0.16	-0.16	-0.14	-1.28e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	3.94e-06
7	50	40	-0.25	-0.28	-0.25	-0.28	-1.28e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	7.32e-06
7	50	47	-6.56e-03	-0.27	-0.14	-0.14	-0.13	-2.60e-03	-5.66e-03	-5.52e-03	-2.74e-03	-6.43e-04
7	50	48	-0.21	-0.28	-0.21	-0.28	1.83e-03	3.69e-04	-3.94e-03	-3.92e-03	3.47e-04	3.09e-04
7	50	55	0.17	-0.36	-4.73e-02	-0.14	-0.26	-2.86e-03	-6.94e-03	-6.47e-03	-3.33e-03	-1.30e-03
7	50	56	-0.11	-0.29	-0.11	-0.29	8.19e-03	-1.80e-04	-5.83e-03	-5.70e-03	-3.04e-04	8.28e-04
7	50	63	0.40	-0.36	0.11	-6.37e-02	-0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	9.88e-03
7	50	64	6.43e-02	-0.29	6.33e-02	-0.29	-1.90e-02	-6.71e-03	-3.24e-02	-2.79e-02	-1.12e-02	-9.75e-03
7	50	71	0.31	-0.17	0.15	-1.57e-02	-0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	-1.25e-02
7	50	72	0.54	-8.15e-03	0.39	0.14	-0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	1.30e-02
7	51	13	0.44	-0.40	0.10	-6.22e-02	0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.98e-03
7	51	14	0.34	-0.22	0.14	-1.82e-02	0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	1.25e-02
7	51	15	7.27e-02	-0.29	6.38e-02	-0.28	5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.63e-03
7	51	16	0.58	-4.40e-02	0.39	0.14	0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	-1.31e-02
7	51	23	0.21	-0.38	-4.40e-02	-0.13	0.29	-2.74e-03	-6.65e-03	-6.12e-03	-3.27e-03	1.34e-03
7	51	24	-0.10	-0.29	-0.11	-0.29	1.88e-02	-1.66e-04	-5.63e-03	-5.52e-03	-2.79e-04	-7.78e-04
7	51	31	1.46e-02	-0.27	-0.13	-0.13	0.14	-2.58e-03	-5.59e-03	-5.45e-03	-2.72e-03	6.34e-04
7	51	32	-0.21	-0.28	-0.21	-0.28	1.08e-02	1.92e-04	-3.87e-03	-3.84e-03	1.66e-04	-3.24e-04
7	51	39	-0.13	-0.15	-0.15	-0.13	-1.26e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	-1.64e-06
7	51	40	-0.25	-0.28	-0.25	-0.28	-1.26e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	-6.98e-06
7	51	47	1.56e-02	-0.27	-0.13	-0.13	-0.14	-2.68e-03	-5.60e-03	-5.46e-03	-2.82e-03	-6.33e-04
7	51	48	-0.21	-0.28	-0.21	-0.28	-1.26e-02	1.89e-04	-3.88e-03	-3.85e-03	1.62e-04	3.35e-04
7	51	55	0.21	-0.38	-4.50e-02	-0.13	-0.29	-2.75e-03	-6.69e-03	-6.17e-03	-3.27e-03	-1.34e-03
7	51	56	-0.11	-0.29	-0.11	-0.29	-1.87e-02	-1.70e-04	-5.65e-03	-5.54e-03	-2.83e-04	7.77e-04
7	51	63	0.43	-0.39	0.10	-6.25e-02	-0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	9.96e-03
7	51	64	7.19e-02	-0.29	6.37e-02	-0.28	-5.39e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.63e-03
7	51	71	0.33	-0.22	0.14	-1.82e-02	-0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	-1.25e-02
7	51	72	0.57	-4.14e-02	0.39	0.14	-0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	1.31e-02
7	52	13	0.40	-0.36	0.11	-6.37e-02	0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.88e-03
7	52	14	0.31	-0.17	0.15	-1.57e-02	0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	1.25e-02
7	52	15	6.43e-02	-0.29	6.33e-02	-0.29	1.90e-02	-6.71e-03	-3.24e-02	-2.79e-02	-1.12e-02	9.75e-03
7	52	16	0.54	-8.14e-03	0.39	0.14	0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	-1.30e-02
7	52	23	0.17	-0.36	-4.73e-02	-0.14	0.26	-2.86e-03	-6.94e-03	-6.47e-03	-3.33e-03	1.30e-03
7	52	24	-0.11	-0.29	-0.11	-0.29	-8.18e-03	-1.80e-04	-5.83e-03	-5.70e-03	-3.04e-04	-8.28e-04
7	52	31	-6.56e-03	-0.27	-0.14	-0.14	0.13	-2.60e-03	-5.66e-03	-5.52e-03	-2.74e-03	6.43e-04
7	52	32	-0.21	-0.28	-0.21	-0.28	-1.82e-03	3.69e-04	-3.94e-03	-3.92e-03	3.47e-04	-3.09e-04
7	52	39	-0.14	-0.16	-0.16	-0.14	1.28e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	-4.12e-06
7	52	40	-0.25	-0.28	-0.25	-0.28	1.28e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	-7.39e-06
7	52	47	-7.76e-03	-0.26	-0.14	-0.14	-0.13	-2.49e-03	-5.64e-03	-5.50e-03	-2.63e-03	-6.50e-04
7	52	48	-0.21	-0.28	-0.21	-0.28	3.64e-03	3.75e-04	-3.93e-03	-3.90e-03	3.52e-04	3.15e-04
7	52	55	0.18	-0.36	-4.67e-02	-0.14	-0.26	-2.83e-03	-6.88e-03	-6.40e-03	-3.32e-03	-1.31e-03
7	52	56	-0.11	-0.29	-0.11	-0.29	8.07e-03	-1.78e-04	-5.81e-03	-5.69e-03	-3.00e-04	8.19e-04

7	52	63	0.40	-0.36	0.11	-6.35e-02	-0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	9.90e-03
7	52	64	6.47e-02	-0.29	6.34e-02	-0.29	-2.11e-02	-6.73e-03	-3.23e-02	-2.78e-02	-1.12e-02	-9.73e-03
7	52	71	0.31	-0.18	0.15	-1.57e-02	-0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	-1.25e-02
7	52	72	0.54	-1.07e-02	0.39	0.14	-0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	1.30e-02
7	53	13	0.43	-0.40	0.10	-6.22e-02	0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.98e-03
7	53	14	0.34	-0.22	0.14	-1.82e-02	0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	1.25e-02
7	53	15	7.26e-02	-0.29	6.38e-02	-0.28	5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.62e-03
7	53	16	0.58	-4.40e-02	0.39	0.14	0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	-1.31e-02
7	53	23	0.21	-0.38	-4.42e-02	-0.13	0.29	-2.73e-03	-6.64e-03	-6.11e-03	-3.26e-03	1.34e-03
7	53	24	-0.10	-0.29	-0.11	-0.29	1.88e-02	-1.67e-04	-5.63e-03	-5.52e-03	-2.79e-04	-7.73e-04
7	53	31	1.45e-02	-0.27	-0.13	-0.13	0.14	-2.57e-03	-5.59e-03	-5.45e-03	-2.71e-03	6.37e-04
7	53	32	-0.21	-0.28	-0.21	-0.28	1.08e-02	1.94e-04	-3.87e-03	-3.84e-03	1.67e-04	-3.32e-04
7	53	39	-0.13	-0.15	-0.15	-0.13	-1.28e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	4.12e-06
7	53	40	-0.25	-0.28	-0.25	-0.28	-1.28e-03	3.55e-04	-3.60e-03	-3.60e-03	3.55e-04	7.39e-06
7	53	47	1.57e-02	-0.27	-0.13	-0.13	-0.14	-2.68e-03	-5.61e-03	-5.47e-03	-2.83e-03	-6.30e-04
7	53	48	-0.21	-0.28	-0.21	-0.28	-1.26e-02	1.88e-04	-3.88e-03	-3.85e-03	1.61e-04	3.27e-04
7	53	55	0.21	-0.38	-4.48e-02	-0.13	-0.29	-2.76e-03	-6.70e-03	-6.18e-03	-3.27e-03	-1.33e-03
7	53	56	-0.11	-0.29	-0.11	-0.29	-1.87e-02	-1.69e-04	-5.65e-03	-5.54e-03	-2.83e-04	7.82e-04
7	53	63	0.43	-0.39	0.10	-6.25e-02	-0.41	9.46e-03	-2.37e-02	-2.03e-02	6.14e-03	9.96e-03
7	53	64	7.19e-02	-0.29	6.37e-02	-0.28	-5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.64e-03
7	53	71	0.33	-0.22	0.14	-1.82e-02	-0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	-1.25e-02
7	53	72	0.57	-4.14e-02	0.39	0.14	-0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	1.31e-02
7	54	13	0.40	-0.36	0.11	-6.37e-02	0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.89e-03
7	54	14	0.31	-0.17	0.15	-1.57e-02	0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	1.25e-02
7	54	15	6.43e-02	-0.29	6.33e-02	-0.29	1.90e-02	-6.72e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.74e-03
7	54	16	0.54	-8.15e-03	0.39	0.14	0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	-1.30e-02
7	54	23	0.17	-0.36	-4.75e-02	-0.14	0.26	-2.85e-03	-6.93e-03	-6.46e-03	-3.33e-03	1.31e-03
7	54	24	-0.11	-0.29	-0.11	-0.29	-8.20e-03	-1.81e-04	-5.83e-03	-5.70e-03	-3.04e-04	-8.23e-04
7	54	31	-6.66e-03	-0.27	-0.14	-0.14	0.13	-2.60e-03	-5.65e-03	-5.51e-03	-2.74e-03	6.46e-04
7	54	32	-0.21	-0.28	-0.21	-0.28	-1.84e-03	3.71e-04	-3.94e-03	-3.92e-03	3.47e-04	-3.17e-04
7	54	39	-0.14	-0.16	-0.16	-0.14	1.26e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	1.64e-06
7	54	40	-0.25	-0.28	-0.25	-0.28	1.26e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	6.98e-06
7	54	47	-7.67e-03	-0.26	-0.14	-0.14	-0.13	-2.49e-03	-5.64e-03	-5.51e-03	-2.63e-03	-6.47e-04
7	54	48	-0.21	-0.28	-0.21	-0.28	3.63e-03	3.74e-04	-3.93e-03	-3.90e-03	3.52e-04	3.06e-04
7	54	55	0.18	-0.36	-4.66e-02	-0.14	-0.26	-2.84e-03	-6.89e-03	-6.41e-03	-3.32e-03	-1.31e-03
7	54	56	-0.11	-0.29	-0.11	-0.29	8.05e-03	-1.77e-04	-5.81e-03	-5.69e-03	-3.00e-04	8.24e-04
7	54	63	0.40	-0.36	0.11	-6.34e-02	-0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	9.90e-03
7	54	64	6.47e-02	-0.29	6.34e-02	-0.29	-2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	-9.74e-03
7	54	71	0.31	-0.18	0.15	-1.57e-02	-0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	-1.25e-02
7	54	72	0.54	-1.07e-02	0.39	0.14	-0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	1.30e-02
7	55	13	0.47	-0.44	9.11e-02	-6.14e-02	0.44	9.52e-03	-2.38e-02	-2.04e-02	6.15e-03	-1.00e-02
7	55	14	0.36	-0.26	0.12	-2.12e-02	0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	1.25e-02
7	55	15	8.70e-02	-0.31	6.40e-02	-0.28	9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	9.52e-03
7	55	16	0.61	-7.79e-02	0.39	0.14	0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	-1.31e-02
7	55	23	0.24	-0.41	-4.28e-02	-0.12	0.32	-2.65e-03	-6.48e-03	-5.91e-03	-3.22e-03	1.37e-03
7	55	24	-9.28e-02	-0.29	-0.11	-0.28	4.99e-02	-1.62e-04	-5.46e-03	-5.36e-03	-2.64e-04	-7.30e-04
7	55	31	4.29e-02	-0.28	-0.12	-0.12	0.16	-2.91e-03	-5.57e-03	-5.42e-03	-3.05e-03	6.12e-04
7	55	32	-0.20	-0.29	-0.21	-0.27	3.16e-02	-2.69e-05	-3.83e-03	-3.79e-03	-6.05e-05	-3.56e-04
7	55	39	-0.12	-0.14	-0.14	-0.12	4.22e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	-2.78e-04
7	55	40	-0.24	-0.27	-0.24	-0.27	4.22e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	1.96e-06
7	55	47	3.91e-02	-0.28	-0.12	-0.12	-0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.69e-03	-6.25e-04
7	55	48	-0.20	-0.28	-0.21	-0.27	-2.56e-02	-1.32e-05	-3.78e-03	-3.75e-03	-4.49e-05	3.44e-04
7	55	55	0.24	-0.40	-4.03e-02	-0.12	-0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	-1.38e-03
7	55	56	-9.14e-02	-0.29	-0.11	-0.28	-5.04e-02	-1.50e-04	-5.41e-03	-5.31e-03	-2.50e-04	7.20e-04
7	55	63	0.47	-0.44	9.29e-02	-6.04e-02	-0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	1.01e-02
7	55	64	9.11e-02	-0.31	6.46e-02	-0.28	-9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	-9.48e-03
7	55	71	0.37	-0.27	0.12	-2.10e-02	-0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	-1.25e-02
7	55	72	0.62	-8.68e-02	0.39	0.14	-0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	1.31e-02
7	56	13	0.37	-0.32	0.12	-6.46e-02	0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	-9.83e-03
7	56	14	0.29	-0.13	0.17	-1.27e-02	0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02
7	56	15	6.40e-02	-0.29	6.31e-02	-0.29	-1.71e-02	-6.62e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.85e-03
7	56	16	0.51	2.40e-02	0.39	0.14	0.21	8.00e-02	1.07e-02	7.74e-02	1.32e-02	-1.29e-02
7	56	23	0.14	-0.33	-4.87e-02	-0.14	0.23	-2.93e-03	-7.11e-03	-6.68e-03	-3.37e-03	1.28e-03
7	56	24	-0.10	-0.31	-0.11	-0.30	-3.93e-02	-1.86e-04	-5.99e-03	-5.86e-03	-3.19e-04	-8.70e-04
7	56	31	-3.49e-02	-0.25	-0.15	-0.14	0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	6.69e-04
7	56	32	-0.21	-0.30	-0.21	-0.29	-2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	-2.88e-04
7	56	39	-0.15	-0.18	-0.18	-0.15	-4.24e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	4.30e-06
7	56	40	-0.25	-0.29	-0.25	-0.29	-4.24e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	2.82e-06
7	56	47	-3.12e-02	-0.26	-0.15	-0.15	-0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	-6.54e-04
7	56	48	-0.21	-0.30	-0.21	-0.29	1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	2.95e-04
7	56	55	0.14	-0.34	-5.13e-02	-0.15	-0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	-1.26e-03
7	56	56	-0.10	-0.31	-0.11	-0.30	3.97e-02	-1.96e-04	-6.05e-03	-5.92e-03	-3.33e-04	8.83e-04
7	56	63	0.36	-0.31	0.12	-6.55e-02	-0.33	9.32e-03	-2.35e-02	-2.03e-02	6.10e-03	9.78e-03
7	56	64	6.42e-02	-0.29	6.25e-02	-0.29	2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.89e-03
7	56	71	0.28	-0.13	0.16	-1.29e-02	-0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	-1.26e-02
7	56	72	0.50	3.22e-02	0.39	0.14	-0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
7	57	13	0.47	-0.44	9.11e-02	-6.14e-02	0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	-1.00e-02

7	57	14	0.36	-0.26	0.12	-2.12e-02	0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	1.25e-02
7	57	15	8.70e-02	-0.31	6.40e-02	-0.28	9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	9.52e-03
7	57	16	0.61	-7.79e-02	0.39	0.14	0.32	7.85e-02	1.03e-02	7.58e-02	1.29e-02	-1.31e-02
7	57	23	0.24	-0.41	-4.29e-02	-0.12	0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	1.36e-03
7	57	24	-9.28e-02	-0.29	-0.11	-0.28	4.99e-02	-1.61e-04	-5.47e-03	-5.36e-03	-2.64e-04	-7.31e-04
7	57	31	4.29e-02	-0.28	-0.12	-0.12	0.16	-2.91e-03	-5.57e-03	-5.42e-03	-3.05e-03	6.11e-04
7	57	32	-0.20	-0.29	-0.21	-0.27	3.16e-02	-2.73e-05	-3.83e-03	-3.79e-03	-6.05e-05	-3.53e-04
7	57	39	-0.12	-0.14	-0.14	-0.12	4.24e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	-4.30e-06
7	57	40	-0.24	-0.27	-0.24	-0.27	4.24e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	-2.82e-06
7	57	47	3.92e-02	-0.28	-0.12	-0.12	-0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.69e-03	-6.26e-04
7	57	48	-0.20	-0.28	-0.21	-0.27	-2.56e-02	-1.28e-05	-3.78e-03	-3.75e-03	-4.49e-05	3.46e-04
7	57	55	0.24	-0.40	-4.02e-02	-0.12	-0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	-1.38e-03
7	57	56	-9.14e-02	-0.29	-0.11	-0.28	-5.04e-02	-1.50e-04	-5.41e-03	-5.31e-03	-2.50e-04	7.18e-04
7	57	63	0.47	-0.44	9.30e-02	-6.05e-02	-0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	1.01e-02
7	57	64	9.11e-02	-0.31	6.46e-02	-0.28	-9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	-9.48e-03
7	57	71	0.37	-0.27	0.12	-2.10e-02	-0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	-1.25e-02
7	57	72	0.62	-8.68e-02	0.39	0.14	-0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	1.31e-02
7	58	13	0.37	-0.32	0.12	-6.46e-02	0.33	9.37e-03	-2.35e-02	-2.02e-02	6.11e-03	-9.83e-03
7	58	14	0.29	-0.13	0.17	-1.27e-02	0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02
7	58	15	6.40e-02	-0.29	6.31e-02	-0.29	-1.71e-02	-6.62e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.85e-03
7	58	16	0.51	2.40e-02	0.39	0.14	0.21	8.00e-02	1.07e-02	7.74e-02	1.32e-02	-1.30e-02
7	58	23	0.14	-0.33	-4.87e-02	-0.14	0.23	-2.93e-03	-7.11e-03	-6.67e-03	-3.37e-03	1.28e-03
7	58	24	-0.10	-0.31	-0.11	-0.30	-3.93e-02	-1.85e-04	-5.99e-03	-5.86e-03	-3.19e-04	-8.71e-04
7	58	31	-3.50e-02	-0.25	-0.15	-0.14	0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	6.68e-04
7	58	32	-0.21	-0.30	-0.21	-0.29	-2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	-2.85e-04
7	58	39	-0.15	-0.18	-0.18	-0.15	-4.22e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	2.78e-06
7	58	40	-0.25	-0.29	-0.25	-0.29	-4.22e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	-1.96e-06
7	58	47	-3.12e-02	-0.26	-0.15	-0.15	-0.11	-2.62e-03	-5.74e-03	-5.60e-03	-2.77e-03	-6.54e-04
7	58	48	-0.21	-0.30	-0.21	-0.29	1.66e-02	5.78e-04	-4.02e-03	-4.00e-03	5.58e-04	2.97e-04
7	58	55	0.14	-0.34	-5.12e-02	-0.15	-0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	-1.26e-03
7	58	56	-0.10	-0.31	-0.11	-0.30	3.97e-02	-1.97e-04	-6.05e-03	-5.92e-03	-3.33e-04	8.81e-04
7	58	63	0.36	-0.31	0.12	-6.55e-02	-0.33	9.32e-03	-2.35e-02	-2.03e-02	6.10e-03	9.78e-03
7	58	64	6.42e-02	-0.29	6.25e-02	-0.29	2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.89e-03
7	58	71	0.28	-0.13	0.16	-1.29e-02	-0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	-1.26e-02
7	58	72	0.50	3.22e-02	0.39	0.14	-0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
7	59	13	0.47	-0.44	9.11e-02	-6.14e-02	0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	-1.00e-02
7	59	14	0.36	-0.26	0.12	-2.12e-02	0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	1.25e-02
7	59	15	8.70e-02	-0.31	6.40e-02	-0.28	9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	9.52e-03
7	59	16	0.61	-7.79e-02	0.39	0.14	0.32	7.85e-02	1.03e-02	7.58e-02	1.29e-02	-1.31e-02
7	59	23	0.24	-0.41	-4.28e-02	-0.12	0.32	-2.65e-03	-6.48e-03	-5.91e-03	-3.22e-03	1.36e-03
7	59	24	-9.28e-02	-0.29	-0.11	-0.28	4.99e-02	-1.61e-04	-5.47e-03	-5.36e-03	-2.64e-04	-7.31e-04
7	59	31	4.29e-02	-0.28	-0.12	-0.12	0.16	-2.91e-03	-5.57e-03	-5.42e-03	-3.05e-03	6.11e-04
7	59	32	-0.20	-0.29	-0.21	-0.27	3.16e-02	-2.74e-05	-3.83e-03	-3.79e-03	-6.05e-05	-3.53e-04
7	59	39	-0.12	-0.14	-0.14	-0.12	4.23e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	-4.41e-06
7	59	40	-0.24	-0.27	-0.24	-0.27	4.23e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	-2.59e-06
7	59	47	3.91e-02	-0.28	-0.12	-0.12	-0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.69e-03	-6.26e-04
7	59	48	-0.20	-0.28	-0.21	-0.27	-2.56e-02	-1.27e-05	-3.78e-03	-3.75e-03	-4.48e-05	3.46e-04
7	59	55	0.24	-0.40	-4.03e-02	-0.12	-0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	-1.38e-03
7	59	56	-9.14e-02	-0.29	-0.11	-0.28	-5.04e-02	-1.50e-04	-5.41e-03	-5.31e-03	-2.50e-04	7.18e-04
7	59	63	0.47	-0.44	9.29e-02	-6.05e-02	-0.45	9.57e-03	-2.37e-02	-2.03e-02	6.16e-03	1.01e-02
7	59	64	9.11e-02	-0.31	6.46e-02	-0.28	-9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	-9.48e-03
7	59	71	0.37	-0.27	0.12	-2.10e-02	-0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	-1.25e-02
7	59	72	0.62	-8.68e-02	0.39	0.14	-0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	1.31e-02
7	60	13	0.37	-0.32	0.12	-6.46e-02	0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	-9.83e-03
7	60	14	0.29	-0.13	0.17	-1.27e-02	0.19	7.71e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02
7	60	15	6.40e-02	-0.29	6.31e-02	-0.29	-1.71e-02	-6.62e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.85e-03
7	60	16	0.51	2.40e-02	0.39	0.14	0.21	8.00e-02	1.07e-02	7.74e-02	1.32e-02	-1.30e-02
7	60	23	0.14	-0.33	-4.87e-02	-0.14	0.23	-2.93e-03	-7.11e-03	-6.68e-03	-3.37e-03	1.28e-03
7	60	24	-0.10	-0.31	-0.11	-0.30	-3.93e-02	-1.85e-04	-5.99e-03	-5.86e-03	-3.19e-04	-8.71e-04
7	60	31	-3.49e-02	-0.25	-0.15	-0.14	0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	6.68e-04
7	60	32	-0.21	-0.30	-0.21	-0.29	-2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	-2.85e-04
7	60	39	-0.15	-0.18	-0.18	-0.15	-4.23e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	2.68e-06
7	60	40	-0.25	-0.29	-0.25	-0.29	-4.23e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	-1.73e-06
7	60	47	-3.13e-02	-0.26	-0.15	-0.15	-0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	-6.54e-04
7	60	48	-0.21	-0.30	-0.21	-0.29	1.66e-02	5.78e-04	-4.02e-03	-4.00e-03	5.58e-04	2.97e-04
7	60	55	0.14	-0.34	-5.13e-02	-0.15	-0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	-1.26e-03
7	60	56	-0.10	-0.31	-0.11	-0.30	3.97e-02	-1.97e-04	-6.05e-03	-5.92e-03	-3.33e-04	8.81e-04
7	60	63	0.36	-0.31	0.12	-6.55e-02	-0.33	9.33e-03	-2.35e-02	-2.03e-02	6.10e-03	9.78e-03
7	60	64	6.42e-02	-0.29	6.25e-02	-0.29	2.41e-02	-6.61e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.89e-03
7	60	71	0.28	-0.13	0.16	-1.29e-02	-0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	-1.26e-02
7	60	72	0.50	3.22e-02	0.39	0.14	-0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
7	61	13	0.47	-0.44	9.11e-02	-6.14e-02	0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	-1.00e-02
7	61	14	0.36	-0.26	0.12	-2.12e-02	0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	1.25e-02
7	61	15	8.70e-02	-0.31	6.40e-02	-0.28	9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	9.52e-03
7	61	16	0.61	-7.79e-02	0.39	0.14	0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	-1.31e-02
7	61	23	0.24	-0.41	-4.29e-02	-0.12	0.32	-2.65e-03	-6.48e-03	-5.90e-03	-3.22e-03	1.37e-03
7	61	24	-9.28e-02	-0.29	-0.11	-0.28	4.99e-02	-1.61e-04	-5.46e-03	-5.36e-03	-2.64e-04	-7.30e-04

7	61	31	4.29e-02	-0.28	-0.12	-0.12	0.16	-2.91e-03	-5.57e-03	-5.42e-03	-3.05e-03	6.12e-04
7	61	32	-0.20	-0.29	-0.21	-0.27	3.16e-02	-2.68e-05	-3.83e-03	-3.79e-03	-6.04e-05	-3.56e-04
7	61	39	-0.12	-0.14	-0.14	-0.12	4.23e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	-2.68e-06
7	61	40	-0.24	-0.27	-0.24	-0.27	4.23e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	1.73e-06
7	61	47	3.92e-02	-0.28	-0.12	-0.12	-0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.69e-03	-6.25e-04
7	61	48	-0.20	-0.28	-0.21	-0.27	-2.56e-02	-1.33e-05	-3.78e-03	-3.75e-03	-4.49e-05	3.44e-04
7	61	55	0.24	-0.40	-4.02e-02	-0.12	-0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	-1.38e-03
7	61	56	-9.14e-02	-0.29	-0.11	-0.28	-5.04e-02	-1.50e-04	-5.41e-03	-5.31e-03	-2.50e-04	7.20e-04
7	61	63	0.47	-0.44	9.30e-02	-6.04e-02	-0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	1.01e-02
7	61	64	9.11e-02	-0.31	6.46e-02	-0.28	-9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	-9.48e-03
7	61	71	0.37	-0.27	0.12	-2.10e-02	-0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	-1.25e-02
7	61	72	0.62	-8.68e-02	0.39	0.14	-0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	1.31e-02
7	62	13	0.37	-0.32	0.12	-6.46e-02	0.33	9.37e-03	-2.35e-02	-2.02e-02	6.11e-03	-9.83e-03
7	62	14	0.29	-0.13	0.17	-1.27e-02	0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02
7	62	15	6.40e-02	-0.29	6.31e-02	-0.29	-1.71e-02	-6.62e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.85e-03
7	62	16	0.51	2.40e-02	0.39	0.14	0.21	8.00e-02	1.07e-02	7.46e-02	1.32e-02	-1.29e-02
7	62	23	0.14	-0.33	-4.87e-02	-0.14	0.23	-2.93e-03	-7.11e-03	-6.67e-03	-3.37e-03	1.28e-03
7	62	24	-0.10	-0.31	-0.11	-0.30	-3.93e-02	-1.86e-04	-5.99e-03	-5.86e-03	-3.19e-04	-8.70e-04
7	62	31	-3.50e-02	-0.25	-0.15	-0.14	0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	6.69e-04
7	62	32	-0.21	-0.30	-0.21	-0.29	-2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	-2.88e-04
7	62	39	-0.15	-0.18	-0.18	-0.15	-4.23e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	4.41e-06
7	62	40	-0.25	-0.29	-0.25	-0.29	-4.23e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	2.59e-06
7	62	47	-3.12e-02	-0.26	-0.15	-0.15	-0.11	-2.62e-03	-5.74e-03	-5.60e-03	-2.77e-03	-6.54e-04
7	62	48	-0.21	-0.30	-0.21	-0.29	1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	2.95e-04
7	62	55	0.14	-0.34	-5.12e-02	-0.15	-0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	-1.26e-03
7	62	56	-0.10	-0.31	-0.11	-0.30	3.97e-02	-1.96e-04	-6.05e-03	-5.92e-03	-3.33e-04	8.83e-04
7	62	63	0.36	-0.31	0.12	-6.55e-02	-0.33	9.32e-03	-2.35e-02	-2.03e-02	6.10e-03	9.78e-03
7	62	64	6.42e-02	-0.29	6.25e-02	-0.29	2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.89e-03
7	62	71	0.28	-0.13	0.16	-1.29e-02	-0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	-1.26e-02
7	62	72	0.50	3.22e-02	0.39	0.14	-0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
7	63	13	0.47	-0.44	9.29e-02	-6.05e-02	0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	-1.01e-02
7	63	14	0.37	-0.27	0.12	-2.10e-02	0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	1.25e-02
7	63	15	9.10e-02	-0.31	6.45e-02	-0.28	9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	9.48e-03
7	63	16	0.62	-8.69e-02	0.39	0.14	0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	-1.31e-02
7	63	23	0.24	-0.40	-4.02e-02	-0.12	0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	1.38e-03
7	63	24	-9.14e-02	-0.29	-0.11	-0.28	5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	-7.18e-04
7	63	31	3.92e-02	-0.27	-0.12	-0.12	0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.69e-03	6.25e-04
7	63	32	-0.20	-0.28	-0.21	-0.27	2.56e-02	-1.23e-05	-3.78e-03	-3.75e-03	-4.44e-05	-3.47e-04
7	63	39	-0.12	-0.14	-0.14	-0.12	-4.24e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	4.91e-06
7	63	40	-0.24	-0.27	-0.24	-0.27	-4.24e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	3.07e-06
7	63	47	4.28e-02	-0.28	-0.12	-0.12	-0.16	-2.91e-03	-5.57e-03	-5.42e-03	-3.05e-03	-6.11e-04
7	63	48	-0.20	-0.29	-0.21	-0.27	-3.16e-02	-2.75e-05	-3.83e-03	-3.80e-03	-6.06e-05	3.53e-04
7	63	55	0.24	-0.41	-4.28e-02	-0.12	-0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	-1.36e-03
7	63	56	-9.27e-02	-0.29	-0.11	-0.28	-4.99e-02	-1.60e-04	-5.46e-03	-5.36e-03	-2.63e-04	7.31e-04
7	63	63	0.47	-0.44	9.12e-02	-6.14e-02	-0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	1.00e-02
7	63	64	8.70e-02	-0.31	6.40e-02	-0.28	-9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	-9.52e-03
7	63	71	0.36	-0.26	0.12	-2.12e-02	-0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	-1.25e-02
7	63	72	0.61	-7.79e-02	0.39	0.14	-0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	1.31e-02
7	64	13	0.36	-0.31	0.12	-6.54e-02	0.33	9.33e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.78e-03
7	64	14	0.28	-0.13	0.16	-1.29e-02	0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	1.26e-02
7	64	15	6.43e-02	-0.29	6.26e-02	-0.29	-2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.89e-03
7	64	16	0.50	3.22e-02	0.39	0.14	0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	-1.29e-02
7	64	23	0.14	-0.34	-5.12e-02	-0.15	0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	1.27e-03
7	64	24	-0.10	-0.31	-0.11	-0.30	-3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.33e-04	-8.82e-04
7	64	31	-3.12e-02	-0.26	-0.15	-0.15	0.11	-2.62e-03	-5.74e-03	-5.60e-03	-2.77e-03	6.55e-04
7	64	32	-0.21	-0.30	-0.21	-0.29	-1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	-2.97e-04
7	64	39	-0.15	-0.18	-0.18	-0.15	4.22e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	-3.39e-06
7	64	40	-0.25	-0.29	-0.25	-0.29	4.22e-03	7.56e-04	-4.09e-03	-4.09e-03	7.56e-04	1.71e-06
7	64	47	-3.49e-02	-0.25	-0.15	-0.14	-0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	-6.68e-04
7	64	48	-0.21	-0.30	-0.21	-0.29	2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	2.86e-04
7	64	55	0.14	-0.33	-4.88e-02	-0.14	-0.23	-2.93e-03	-7.11e-03	-6.67e-03	-3.37e-03	-1.28e-03
7	64	56	-0.10	-0.31	-0.11	-0.30	3.93e-02	-1.87e-04	-6.00e-03	-5.86e-03	-3.20e-04	8.71e-04
7	64	63	0.37	-0.32	0.12	-6.45e-02	-0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	9.83e-03
7	64	64	6.39e-02	-0.29	6.31e-02	-0.29	1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.85e-03
7	64	71	0.29	-0.13	0.17	-1.27e-02	-0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	-1.26e-02
7	64	72	0.51	2.39e-02	0.39	0.14	-0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	1.30e-02
7	65	13	0.47	-0.44	9.29e-02	-6.05e-02	0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	-1.01e-02
7	65	14	0.37	-0.27	0.12	-2.11e-02	0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	1.25e-02
7	65	15	9.10e-02	-0.31	6.45e-02	-0.28	9.92e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	9.48e-03
7	65	16	0.62	-8.69e-02	0.39	0.14	0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	-1.31e-02
7	65	23	0.24	-0.40	-4.03e-02	-0.12	0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	1.38e-03
7	65	24	-9.14e-02	-0.29	-0.11	-0.28	5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	-7.19e-04
7	65	31	3.92e-02	-0.28	-0.12	-0.12	0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.68e-03	6.24e-04
7	65	32	-0.20	-0.28	-0.21	-0.27	2.56e-02	-1.27e-05	-3.78e-03	-3.75e-03	-4.44e-05	-3.44e-04
7	65	39	-0.12	-0.14	-0.14	-0.12	-4.22e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	3.39e-06
7	65	40	-0.24	-0.27	-0.24	-0.27	-4.22e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	-1.71e-06
7	65	47	4.29e-02	-0.28	-0.12	-0.12	-0.16	-2.91e-03	-5.57e-03	-5.43e-03	-3.05e-03	-6.12e-04

7	65	48	-0.20	-0.29	-0.21	-0.27	-3.16e-02	-2.71e-05	-3.83e-03	-3.80e-03	-6.06e-05	3.56e-04
7	65	55	0.24	-0.41	-4.28e-02	-0.12	-0.32	-2.65e-03	-6.48e-03	-5.91e-03	-3.22e-03	-1.37e-03
7	65	56	-9.27e-02	-0.29	-0.11	-0.28	-4.99e-02	-1.60e-04	-5.46e-03	-5.36e-03	-2.63e-04	7.30e-04
7	65	63	0.47	-0.44	9.12e-02	-6.14e-02	-0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	1.00e-02
7	65	64	8.70e-02	-0.31	6.40e-02	-0.28	-9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	-9.52e-03
7	65	71	0.36	-0.26	0.12	-2.12e-02	-0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	-1.25e-02
7	65	72	0.61	-7.79e-02	0.39	0.14	-0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	1.31e-02
7	66	13	0.36	-0.31	0.12	-6.54e-02	0.33	9.33e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.78e-03
7	66	14	0.28	-0.13	0.16	-1.29e-02	0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	1.26e-02
7	66	15	6.42e-02	-0.29	6.26e-02	-0.29	-2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.89e-03
7	66	16	0.50	3.22e-02	0.39	0.14	0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	-1.29e-02
7	66	23	0.14	-0.34	-5.13e-02	-0.15	0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	1.26e-03
7	66	24	-0.10	-0.31	-0.11	-0.30	-3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.33e-04	-8.83e-04
7	66	31	-3.13e-02	-0.26	-0.15	-0.15	0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	6.55e-04
7	66	32	-0.21	-0.30	-0.21	-0.29	-1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	-2.94e-04
7	66	39	-0.15	-0.18	-0.18	-0.15	4.24e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	-4.91e-06
7	66	40	-0.25	-0.29	-0.25	-0.29	4.24e-03	7.56e-04	-4.09e-03	-4.09e-03	7.56e-04	-3.07e-06
7	66	47	-3.49e-02	-0.25	-0.15	-0.14	-0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	-6.69e-04
7	66	48	-0.21	-0.30	-0.21	-0.29	2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	2.88e-04
7	66	55	0.14	-0.33	-4.87e-02	-0.14	-0.23	-2.93e-03	-7.11e-03	-6.68e-03	-3.37e-03	-1.28e-03
7	66	56	-0.10	-0.31	-0.11	-0.30	3.93e-02	-1.87e-04	-5.99e-03	-5.86e-03	-3.21e-04	8.70e-04
7	66	63	0.37	-0.32	0.12	-6.46e-02	-0.33	9.37e-03	-2.35e-02	-2.03e-02	6.10e-03	9.83e-03
7	66	64	6.39e-02	-0.29	6.31e-02	-0.29	1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.85e-03
7	66	71	0.29	-0.13	0.17	-1.27e-02	-0.19	7.71e-02	1.67e-02	7.43e-02	1.95e-02	-1.26e-02
7	66	72	0.51	2.39e-02	0.39	0.14	-0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	1.29e-02
7	67	13	0.47	-0.44	9.29e-02	-6.05e-02	0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	-1.01e-02
7	67	14	0.37	-0.27	0.12	-2.10e-02	0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	1.25e-02
7	67	15	9.10e-02	-0.31	6.45e-02	-0.28	9.92e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	9.48e-03
7	67	16	0.62	-8.69e-02	0.39	0.14	0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	-1.31e-02
7	67	23	0.24	-0.40	-4.02e-02	-0.12	0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	1.38e-03
7	67	24	-9.14e-02	-0.29	-0.11	-0.28	5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	-7.19e-04
7	67	31	3.92e-02	-0.27	-0.12	-0.12	0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.69e-03	6.24e-04
7	67	32	-0.20	-0.28	-0.21	-0.27	2.56e-02	-1.28e-05	-3.78e-03	-3.75e-03	-4.44e-05	-3.44e-04
7	67	39	-0.12	-0.14	-0.14	-0.12	-4.23e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	3.28e-06
7	67	40	-0.24	-0.27	-0.24	-0.27	-4.23e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	-1.48e-06
7	67	47	4.28e-02	-0.28	-0.12	-0.12	-0.16	-2.91e-03	-5.57e-03	-5.42e-03	-3.05e-03	-6.12e-04
7	67	48	-0.20	-0.29	-0.21	-0.27	-3.16e-02	-2.70e-05	-3.83e-03	-3.79e-03	-6.06e-05	3.56e-04
7	67	55	0.24	-0.41	-4.28e-02	-0.12	-0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	-1.37e-03
7	67	56	-9.27e-02	-0.29	-0.11	-0.28	-4.99e-02	-1.60e-04	-5.46e-03	-5.36e-03	-2.63e-04	7.30e-04
7	67	63	0.47	-0.44	9.12e-02	-6.14e-02	-0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	1.00e-02
7	67	64	8.70e-02	-0.31	6.40e-02	-0.28	-9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	-9.52e-03
7	67	71	0.36	-0.26	0.12	-2.12e-02	-0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	-1.25e-02
7	67	72	0.61	-7.79e-02	0.39	0.14	-0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	1.31e-02
7	68	13	0.36	-0.31	0.12	-6.54e-02	0.33	9.33e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.78e-03
7	68	14	0.28	-0.13	0.16	-1.29e-02	0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	1.26e-02
7	68	15	6.43e-02	-0.29	6.26e-02	-0.29	-2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.89e-03
7	68	16	0.50	3.22e-02	0.39	0.14	0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	-1.29e-02
7	68	23	0.14	-0.34	-5.12e-02	-0.15	0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	1.26e-03
7	68	24	-0.10	-0.31	-0.11	-0.30	-3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.33e-04	-8.83e-04
7	68	31	-3.12e-02	-0.26	-0.15	-0.15	0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	6.55e-04
7	68	32	-0.21	-0.30	-0.21	-0.29	-1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	-2.95e-04
7	68	39	-0.15	-0.18	-0.18	-0.15	4.23e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	-5.01e-06
7	68	40	-0.25	-0.29	-0.25	-0.29	4.23e-03	7.56e-04	-4.09e-03	-4.09e-03	7.56e-04	-2.84e-06
7	68	47	-3.49e-02	-0.25	-0.15	-0.14	-0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	-6.69e-04
7	68	48	-0.21	-0.30	-0.21	-0.29	2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	2.88e-04
7	68	55	0.14	-0.33	-4.88e-02	-0.14	-0.23	-2.93e-03	-7.11e-03	-6.67e-03	-3.37e-03	-1.28e-03
7	68	56	-0.10	-0.31	-0.11	-0.30	3.93e-02	-1.87e-04	-5.99e-03	-5.86e-03	-3.20e-04	8.70e-04
7	68	63	0.37	-0.32	0.12	-6.46e-02	-0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	9.83e-03
7	68	64	6.39e-02	-0.29	6.31e-02	-0.29	1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.85e-03
7	68	71	0.29	-0.13	0.17	-1.27e-02	-0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	-1.26e-02
7	68	72	0.51	2.39e-02	0.39	0.14	-0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	1.29e-02
7	69	13	0.47	-0.44	9.29e-02	-6.05e-02	0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	-1.01e-02
7	69	14	0.37	-0.27	0.12	-2.11e-02	0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	1.25e-02
7	69	15	9.10e-02	-0.31	6.45e-02	-0.28	9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	9.48e-03
7	69	16	0.62	-8.69e-02	0.39	0.14	0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	-1.31e-02
7	69	23	0.24	-0.40	-4.03e-02	-0.12	0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	1.38e-03
7	69	24	-9.14e-02	-0.29	-0.11	-0.28	5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	-7.18e-04
7	69	31	3.92e-02	-0.28	-0.12	-0.12	0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.68e-03	6.25e-04
7	69	32	-0.20	-0.28	-0.21	-0.27	2.56e-02	-1.22e-05	-3.78e-03	-3.75e-03	-4.44e-05	-3.47e-04
7	69	39	-0.12	-0.14	-0.14	-0.12	-4.23e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	5.01e-06
7	69	40	-0.24	-0.27	-0.24	-0.27	-4.23e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	2.84e-06
7	69	47	4.29e-02	-0.28	-0.12	-0.12	-0.16	-2.91e-03	-5.57e-03	-5.43e-03	-3.05e-03	-6.11e-04
7	69	48	-0.20	-0.29	-0.21	-0.27	-3.16e-02	-2.76e-05	-3.83e-03	-3.80e-03	-6.07e-05	3.53e-04
7	69	55	0.24	-0.41	-4.28e-02	-0.12	-0.32	-2.65e-03	-6.48e-03	-5.91e-03	-3.22e-03	-1.36e-03
7	69	56	-9.27e-02	-0.29	-0.11	-0.28	-4.99e-02	-1.60e-04	-5.46e-03	-5.36e-03	-2.63e-04	7.31e-04
7	69	63	0.47	-0.44	9.12e-02	-6.14e-02	-0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	1.00e-02
7	69	64	8.70e-02	-0.31	6.40e-02	-0.28	-9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	-9.53e-03

7	69	71	0.36	-0.26	0.12	-2.12e-02	-0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	-1.25e-02
7	69	72	0.61	-7.79e-02	0.39	0.14	-0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	1.31e-02
7	70	13	0.36	-0.31	0.12	-6.54e-02	0.33	9.33e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.78e-03
7	70	14	0.28	-0.13	0.16	-1.29e-02	0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	1.26e-02
7	70	15	6.43e-02	-0.29	6.26e-02	-0.29	-2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.89e-03
7	70	16	0.50	3.22e-02	0.39	0.14	0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	-1.29e-02
7	70	23	0.14	-0.34	-5.13e-02	-0.15	0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	1.27e-03
7	70	24	-0.10	-0.31	-0.11	-0.30	-3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.33e-04	-8.82e-04
7	70	31	-3.13e-02	-0.26	-0.15	-0.15	0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	6.55e-04
7	70	32	-0.21	-0.30	-0.21	-0.29	-1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	-2.97e-04
7	70	39	-0.15	-0.18	-0.18	-0.15	4.23e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	-3.28e-06
7	70	40	-0.25	-0.29	-0.25	-0.29	4.23e-03	7.56e-04	-4.09e-03	-4.09e-03	7.56e-04	1.48e-06
7	70	47	-3.49e-02	-0.25	-0.15	-0.14	-0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	-6.68e-04
7	70	48	-0.21	-0.30	-0.21	-0.29	2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	2.86e-04
7	70	55	0.14	-0.33	-4.87e-02	-0.14	-0.23	-2.93e-03	-7.11e-03	-6.68e-03	-3.37e-03	-1.28e-03
7	70	56	-0.10	-0.31	-0.11	-0.30	3.93e-02	-1.87e-04	-6.00e-03	-5.86e-03	-3.21e-04	8.71e-04
7	70	63	0.37	-0.32	0.12	-6.45e-02	-0.33	9.36e-03	-2.35e-02	-2.03e-02	6.10e-03	9.83e-03
7	70	64	6.39e-02	-0.29	6.31e-02	-0.29	1.71e-02	-6.62e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.85e-03
7	70	71	0.29	-0.13	0.17	-1.27e-02	-0.19	7.71e-02	1.67e-02	7.43e-02	1.95e-02	-1.26e-02
7	70	72	0.51	2.39e-02	0.39	0.14	-0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	1.30e-02
7	71	13	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
7	71	14	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
7	71	15	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
7	71	16	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
7	71	23	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
7	71	24	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
7	71	31	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
7	71	32	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
7	71	39	-0.13	-0.16	-0.16	-0.13	-0.13	-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
7	71	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
7	71	47	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
7	71	48	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
7	71	55	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
7	71	56	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
7	71	63	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
7	71	64	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
7	71	71	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
7	71	72	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
7	72	13	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
7	72	14	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
7	72	15	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
7	72	16	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
7	72	23	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
7	72	24	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
7	72	31	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
7	72	32	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
7	72	39	-0.13	-0.16	-0.16	-0.13	-0.13	-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
7	72	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
7	72	47	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
7	72	48	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
7	72	55	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
7	72	56	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
7	72	63	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
7	72	64	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
7	72	71	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
7	72	72	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
7	73	13	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
7	73	14	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
7	73	15	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
7	73	16	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
7	73	23	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
7	73	24	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
7	73	31	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
7	73	32	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
7	73	39	-0.13	-0.16	-0.16	-0.13	-0.13	-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
7	73	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
7	73	47	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
7	73	48	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
7	73	55	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
7	73	56	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
7	73	63	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
7	73	64	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
7	73	71	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
7	73	72	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
7	74	13	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
7	74	14	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
7	74	15	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03

7	74	16	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
7	74	23	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
7	74	24	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
7	74	31	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
7	74	32	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
7	74	39	-0.13	-0.16	-0.16	-0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
7	74	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
7	74	47	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
7	74	48	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
7	74	55	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
7	74	56	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
7	74	63	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
7	74	64	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
7	74	71	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
7	74	72	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
7	75	13	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
7	75	14	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
7	75	15	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
7	75	16	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
7	75	23	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
7	75	24	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
7	75	31	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
7	75	32	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
7	75	39	-0.13	-0.16	-0.16	-0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
7	75	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
7	75	47	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
7	75	48	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
7	75	55	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
7	75	56	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
7	75	63	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
7	75	64	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
7	75	71	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
7	75	72	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
7	76	13	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
7	76	14	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
7	76	15	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
7	76	16	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
7	76	23	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
7	76	24	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
7	76	31	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
7	76	32	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
7	76	39	-0.13	-0.16	-0.16	-0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
7	76	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
7	76	47	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
7	76	48	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
7	76	55	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
7	76	56	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
7	76	63	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
7	76	64	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
7	76	71	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
7	76	72	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		-39.74	-32.87	-17.67	-26.65		-14.21	-14.13	-4.60	-1.05
	111.03		46.28	110.58	26.65	6.69		6.67	3.47	1.05

Macro	Tipo	Angolo 1-X (gradi)
8	Guscio	0.0

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
8	1	1	0.42	-0.25	0.19	-2.20e-02	-0.32	9.86e-02	2.14e-02	9.50e-02	2.50e-02	-1.63e-02
8	1	2	0.54	-0.49	0.14	-8.18e-02	-0.51	1.23e-02	-3.07e-02	-2.64e-02	7.97e-03	1.29e-02
8	1	15	8.78e-02	-0.38	8.26e-02	-0.37	-4.88e-02	-8.79e-03	-4.20e-02	-3.62e-02	-1.46e-02	-1.26e-02
8	1	16	0.72	-3.38e-02	0.50	0.19	-0.34	0.10	1.36e-02	9.96e-02	1.70e-02	1.69e-02
8	1	17	0.25	-0.48	-5.95e-02	-0.17	-0.36	-3.63e-03	-8.83e-03	-8.18e-03	-4.28e-03	-1.72e-03
8	1	24	-0.14	-0.38	-0.14	-0.38	-6.91e-03	-2.26e-04	-7.45e-03	-7.29e-03	-3.79e-04	1.04e-03
8	1	25	5.14e-03	-0.35	-0.17	-0.17	-0.18	-3.36e-03	-7.13e-03	-7.13e-03	-3.54e-03	-8.32e-04
8	1	32	-0.27	-0.37	-0.28	-0.37	-5.85e-03	3.66e-04	-5.07e-03	-5.04e-03	3.34e-04	4.17e-04
8	1	33	-0.17	-0.21	-0.21	-0.17		-3.59e-03	-7.21e-03	-7.21e-03	-3.59e-03	
8	1	40	-0.32	-0.36	-0.32	-0.36		5.81e-04	-4.83e-03	-4.83e-03	5.81e-04	
8	1	41	5.14e-03	-0.35	-0.17	-0.17	0.18	-3.36e-03	-7.31e-03	-7.13e-03	-3.54e-03	8.32e-04

8	1	48	-0.27	-0.37	-0.28	-0.37	5.85e-03	3.66e-04	-5.07e-03	-5.04e-03	3.34e-04	-4.17e-04
8	1	49	0.25	-0.48	-5.95e-02	-0.17	0.36	-3.63e-03	-8.83e-03	-8.18e-03	-4.28e-03	1.72e-03
8	1	56	-0.14	-0.38	-0.14	-0.38	6.91e-03	-2.26e-04	-7.45e-03	-7.29e-03	-3.79e-04	-1.04e-03
8	1	57	0.54	-0.49	0.14	-8.18e-02	0.51	1.23e-02	-3.07e-02	-2.64e-02	7.97e-03	-1.29e-02
8	1	64	8.78e-02	-0.38	8.26e-02	-0.37	4.88e-02	-8.79e-03	-4.20e-02	-3.62e-02	-1.46e-02	1.26e-02
8	1	65	0.42	-0.25	0.19	-2.20e-02	0.32	9.86e-02	2.14e-02	9.50e-02	2.50e-02	1.63e-02
8	1	72	0.72	-3.38e-02	0.50	0.19	0.34	0.10	1.36e-02	9.96e-02	1.70e-02	-1.69e-02
8	2	1	0.42	-0.25	0.19	-2.20e-02	-0.32	9.86e-02	2.14e-02	9.50e-02	2.50e-02	-1.63e-02
8	2	2	0.54	-0.49	0.14	-8.18e-02	-0.51	1.23e-02	-3.07e-02	-2.64e-02	7.97e-03	1.29e-02
8	2	15	8.78e-02	-0.38	8.26e-02	-0.37	-4.88e-02	-8.79e-03	-4.20e-02	-3.62e-02	-1.46e-02	-1.26e-02
8	2	16	0.72	-3.38e-02	0.50	0.19	-0.34	0.10	1.36e-02	9.96e-02	1.70e-02	1.69e-02
8	2	17	0.25	-0.48	-5.95e-02	-0.17	-0.36	-3.63e-03	-8.83e-03	-8.18e-03	-4.28e-03	-1.72e-03
8	2	24	-0.14	-0.38	-0.14	-0.38	-6.91e-03	-2.26e-04	-7.45e-03	-7.29e-03	-3.79e-04	1.04e-03
8	2	25	5.14e-03	-0.35	-0.17	-0.17	-0.18	-3.36e-03	-7.31e-03	-7.13e-03	-3.54e-03	-8.32e-04
8	2	32	-0.27	-0.37	-0.28	-0.37	-5.85e-03	3.66e-04	-5.07e-03	-5.04e-03	3.34e-04	4.17e-04
8	2	33	-0.17	-0.21	-0.21	-0.17		-3.59e-03	-7.21e-03	-7.21e-03	-3.59e-03	
8	2	40	-0.32	-0.36	-0.32	-0.36		5.81e-04	-4.83e-03	-4.83e-03	5.81e-04	
8	2	41	5.14e-03	-0.35	-0.17	-0.17	0.18	-3.36e-03	-7.31e-03	-7.13e-03	-3.54e-03	8.32e-04
8	2	48	-0.27	-0.37	-0.28	-0.37	5.85e-03	3.66e-04	-5.07e-03	-5.04e-03	3.34e-04	-4.17e-04
8	2	49	0.25	-0.48	-5.95e-02	-0.17	0.36	-3.63e-03	-8.83e-03	-8.18e-03	-4.28e-03	1.72e-03
8	2	56	-0.14	-0.38	-0.14	-0.38	6.91e-03	-2.26e-04	-7.45e-03	-7.29e-03	-3.79e-04	-1.04e-03
8	2	57	0.54	-0.49	0.14	-8.18e-02	0.51	1.23e-02	-3.07e-02	-2.64e-02	7.97e-03	-1.29e-02
8	2	64	8.78e-02	-0.38	8.26e-02	-0.37	4.88e-02	-8.79e-03	-4.20e-02	-3.62e-02	-1.46e-02	1.26e-02
8	2	65	0.42	-0.25	0.19	-2.20e-02	0.32	9.86e-02	2.14e-02	9.50e-02	2.50e-02	1.63e-02
8	2	72	0.72	-3.38e-02	0.50	0.19	0.34	0.10	1.36e-02	9.96e-02	1.70e-02	-1.69e-02
8	3	1	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
8	3	2	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
8	3	15	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
8	3	16	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
8	3	17	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
8	3	24	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
8	3	25	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
8	3	32	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
8	3	33	-0.13	-0.16	-0.16	-0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
8	3	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
8	3	41	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
8	3	48	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
8	3	49	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
8	3	56	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
8	3	57	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
8	3	64	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
8	3	65	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
8	3	72	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
8	4	1	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
8	4	2	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
8	4	15	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
8	4	16	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
8	4	17	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
8	4	24	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
8	4	25	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
8	4	32	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
8	4	33	-0.13	-0.16	-0.16	-0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
8	4	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
8	4	41	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
8	4	48	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
8	4	49	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
8	4	56	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
8	4	57	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
8	4	64	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
8	4	65	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
8	4	72	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
8	5	1	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
8	5	2	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
8	5	15	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
8	5	16	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
8	5	17	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
8	5	24	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
8	5	25	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
8	5	32	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
8	5	33	-0.13	-0.16	-0.16	-0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
8	5	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
8	5	41	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
8	5	48	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
8	5	49	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
8	5	56	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
8	5	57	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
8	5	64	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03

8	5	65	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
8	5	72	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
8	6	1	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
8	6	2	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
8	6	15	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
8	6	16	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
8	6	17	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
8	6	24	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
8	6	25	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
8	6	32	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
8	6	33	-0.13	-0.16	-0.16	-0.13	-0.28	-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
8	6	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
8	6	41	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
8	6	48	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
8	6	49	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
8	6	56	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
8	6	57	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
8	6	64	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
8	6	65	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
8	6	72	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
8	7	1	9.84	-5.16	5.00	-0.32	-7.01	-0.70	-3.63	-3.61	-0.72	0.24
8	7	2	28.76	4.98	5.07	28.67	1.47	1.72	0.36	1.72	0.36	-7.37e-02
8	7	15	28.52	4.89	5.07	28.34	-2.02	1.70	0.32	1.70	0.33	7.82e-02
8	7	16	9.73	-4.19	5.62	-7.82e-02	6.35	-0.70	-3.59	-3.57	-0.72	-0.23
8	7	17	28.30	4.91	4.91	28.30	3.87e-02	7.77e-02	1.32e-02	7.74e-02	1.36e-02	-4.42e-03
8	7	24	28.08	4.77	4.78	28.07	-0.38	7.18e-02	6.87e-03	7.10e-02	7.67e-03	7.16e-03
8	7	25	27.75	4.81	4.81	27.75	-0.23	1.05e-02	-5.62e-03	5.96e-03	-1.11e-03	7.22e-03
8	7	32	27.53	4.61	4.61	27.53	7.22e-02	5.61e-03	-9.75e-03	2.73e-03	-6.88e-03	-5.99e-03
8	7	33	27.70	4.78	4.78	27.70	3.38e-03	1.57e-02	5.51e-04	1.57e-02	5.51e-04	3.90e-06
8	7	40	27.48	4.55	4.55	27.48	3.38e-03	1.33e-02	-5.18e-03	1.33e-02	-5.18e-03	1.95e-05
8	7	41	27.75	4.81	4.81	27.75	0.24	1.04e-02	-5.84e-03	5.94e-03	-1.40e-03	-7.23e-03
8	7	48	27.53	4.61	4.61	27.53	-6.74e-02	5.56e-03	-9.75e-03	2.70e-03	-6.89e-03	5.96e-03
8	7	49	28.30	4.91	4.91	28.30	-3.91e-02	7.76e-02	1.32e-02	7.73e-02	1.35e-02	4.42e-03
8	7	56	28.08	4.77	4.77	28.07	0.38	7.17e-02	6.86e-03	7.09e-02	7.66e-03	-7.15e-03
8	7	57	28.76	4.98	5.07	28.67	-1.48	1.72	0.36	1.72	0.36	7.37e-02
8	7	64	28.51	4.89	5.07	28.34	2.01	1.70	0.32	1.70	0.33	-7.82e-02
8	7	65	9.83	-5.16	4.99	-0.32	7.00	-0.70	-3.63	-3.61	-0.72	-0.24
8	7	72	9.74	-4.20	5.62	-7.81e-02	-6.36	-0.70	-3.59	-3.57	-0.72	0.23
8	8	1	-0.45	-11.93	-10.50	-1.88	-3.80	0.19	7.64e-02	0.18	8.61e-02	-3.12e-02
8	8	2	2.81	-9.96	-2.70	-4.45	-6.32	0.64	-0.29	-0.15	0.50	0.34
8	8	15	3.05	-10.11	2.64	-9.70	-2.30	-0.72	-0.85	-0.85	-0.72	5.82e-03
8	8	16	16.41	0.19	13.34	3.25	-6.35	2.56	0.45	2.52	0.49	0.29
8	8	17	2.55	-7.95	0.47	-5.87	-4.19	0.77	0.16	0.23	0.71	0.19
8	8	24	-3.39	-9.18	-3.71	-8.85	-1.33	-0.41	-0.98	-0.43	-0.96	0.11
8	8	25	2.61	-6.34	2.13	-5.86	-2.02	0.96	0.24	0.25	0.95	9.74e-02
8	8	32	-7.03	-8.90	-7.32	-8.61	-0.68	-0.43	-1.27	-0.43	-1.27	6.55e-02
8	8	33	2.66	-5.85	2.66	-5.85	-3.44e-03	1.04	0.26	0.26	1.04	1.22e-05
8	8	40	-8.49	-8.57	-8.49	-8.57	-3.44e-03	-0.45	-1.38	-0.45	-1.38	2.23e-05
8	8	41	2.61	-6.34	2.13	-5.86	2.01	0.96	0.24	0.25	0.95	-9.74e-02
8	8	48	-7.03	-8.90	-7.31	-8.61	0.67	-0.43	-1.27	-0.43	-1.27	-6.56e-02
8	8	49	2.56	-7.95	0.48	-5.87	4.19	0.77	0.16	0.23	0.71	-0.19
8	8	56	-3.38	-9.17	-3.71	-8.85	1.33	-0.41	-0.98	-0.43	-0.96	-0.11
8	8	57	2.82	-9.96	-2.69	-4.45	6.33	0.64	-0.29	-0.15	0.50	-0.34
8	8	64	3.05	-10.11	2.64	-9.70	2.30	-0.72	-0.85	-0.85	-0.72	-5.89e-03
8	8	65	-0.44	-11.94	-10.50	-1.88	3.80	0.19	7.63e-02	0.18	8.60e-02	3.12e-02
8	8	72	16.42	0.18	13.34	3.25	6.36	2.56	0.45	2.52	0.49	-0.29
8	9	1	10.72	-5.63	5.44	-0.35	-7.64	-0.76	-3.97	-3.95	-0.78	0.26
8	9	2	31.42	5.42	5.53	31.32	1.64	1.88	0.39	1.88	0.39	-8.13e-02
8	9	15	31.17	5.34	5.53	30.98	-2.20	1.86	0.35	1.86	0.36	8.63e-02
8	9	16	10.61	-4.62	6.10	-9.85e-02	6.96	-0.76	-3.93	-3.91	-0.79	-0.26
8	9	17	30.93	5.37	5.37	30.93	6.45e-02	8.55e-02	1.48e-02	8.52e-02	1.51e-02	-4.72e-03
8	9	24	30.69	5.22	5.23	30.69	-0.42	7.89e-02	7.56e-03	7.80e-02	8.40e-03	7.72e-03
8	9	25	30.32	5.27	5.27	30.32	-0.25	1.19e-02	-5.86e-03	7.05e-03	-9.79e-04	7.94e-03
8	9	32	30.10	5.05	5.05	30.10	7.73e-02	6.42e-03	-1.06e-02	3.35e-03	-7.56e-03	-6.55e-03
8	9	33	30.26	5.24	5.24	30.26	3.44e-03	1.77e-02	8.58e-04	1.77e-02	8.58e-04	-1.22e-05
8	9	40	30.04	4.99	4.99	30.04	3.44e-03	1.49e-02	-5.72e-03	1.49e-02	-5.72e-03	-2.23e-05
8	9	41	30.32	5.27	5.27	30.32	0.25	1.18e-02	-6.12e-03	6.98e-03	-1.28e-03	-7.96e-03
8	9	48	30.10	5.05	5.05	30.10	-7.24e-02	6.40e-03	-1.07e-02	3.31e-03	-7.57e-03	6.56e-03
8	9	49	30.92	5.37	5.37	30.92	-6.48e-02	8.53e-02	1.48e-02	8.50e-02	1.51e-02	4.70e-03
8	9	56	30.69	5.22	5.22	30.68	0.42	7.88e-02	7.54e-03	7.80e-02	8.40e-03	-7.74e-03
8	9	57	31.42	5.42	5.53	31.32	-1.65	1.88	0.39	1.88	0.39	8.14e-02
8	9	64	31.17	5.34	5.53	30.98	2.20	1.86	0.35	1.86	0.36	-8.63e-02
8	9	65	10.71	-5.62	5.44	-0.35	7.63	-0.76	-3.97	-3.95	-0.78	-0.26
8	9	72	10.62	-4.62	6.10	-9.85e-02	-6.96	-0.76	-3.93	-3.91	-0.79	0.26
8	10	1	3.24e-02	-12.00	-10.06	-1.91	-4.42	1.87e-02	-0.16	-0.16	1.83e-02	-8.17e-03
8	10	2	4.14	-8.18	-2.24	-1.80	-6.15	0.69	-0.14	1.30e-02	0.54	0.33
8	10	15	3.67	-7.63	3.10	-7.06	-2.48	-0.67	-0.70	-0.69	-0.69	1.40e-02

8	10	16	16.34	0.71	13.83	3.23	-5.75	2.22	0.38	2.18	0.42	0.27
8	10	17	3.50	-5.81	0.93	-3.25	-4.16	0.78	0.17	0.23	0.71	0.19
8	10	24	-2.72	-6.77	-3.26	-6.24	-1.37	-0.40	-0.98	-0.43	-0.96	0.11
8	10	25	3.22	-3.92	2.59	-3.29	-2.03	0.96	0.24	0.25	0.95	9.81e-02
8	10	32	-5.67	-7.25	-6.87	-6.05	-0.67	-0.42	-1.27	-0.43	-1.27	6.50e-02
8	10	33	3.12	-3.28	3.12	-3.28	-3.38e-03	1.04	0.26	0.26	1.04	-3.90e-06
8	10	40	-6.01	-8.05	-8.05	-6.01	-3.38e-03	-0.45	-1.38	-0.45	-1.38	-1.95e-05
8	10	41	3.22	-3.92	2.59	-3.29	2.02	0.96	0.24	0.25	0.95	-9.81e-02
8	10	48	-5.67	-7.24	-6.87	-6.04	0.67	-0.42	-1.27	-0.43	-1.27	-6.50e-02
8	10	49	3.50	-5.81	0.93	-3.25	4.16	0.78	0.17	0.23	0.71	-0.19
8	10	56	-2.72	-6.77	-3.26	-6.23	1.37	-0.40	-0.98	-0.43	-0.96	-0.11
8	10	57	4.14	-8.18	-2.24	-1.80	6.16	0.69	-0.14	1.31e-02	0.54	-0.33
8	10	64	3.67	-7.63	3.10	-7.06	2.49	-0.67	-0.70	-0.69	-0.69	-1.40e-02
8	10	65	3.84e-02	-12.00	-10.06	-1.91	4.43	1.87e-02	-0.16	-0.16	1.83e-02	8.18e-03
8	10	72	16.35	0.71	13.83	3.23	5.76	2.22	0.38	2.18	0.42	-0.27
8	11	1	9.83	-5.16	4.99	-0.32	-7.00	-0.70	-3.63	-3.61	-0.72	0.24
8	11	2	28.76	4.98	5.07	28.67	1.48	1.72	0.36	1.72	0.36	-7.37e-02
8	11	15	28.51	4.89	5.07	28.34	-2.01	1.70	0.32	1.70	0.33	7.82e-02
8	11	16	9.74	-4.20	5.62	-7.81e-02	6.36	-0.70	-3.59	-3.57	-0.72	-0.23
8	11	17	28.30	4.91	4.91	28.30	3.90e-02	7.75e-02	1.32e-02	7.72e-02	1.35e-02	-4.41e-03
8	11	24	28.08	4.77	4.77	28.07	-0.38	7.17e-02	6.86e-03	7.09e-02	7.66e-03	7.16e-03
8	11	25	27.75	4.81	4.81	27.75	-0.24	1.04e-02	-5.85e-03	5.92e-03	-1.41e-03	7.24e-03
8	11	32	27.53	4.61	4.61	27.53	6.73e-02	5.57e-03	-9.77e-03	2.69e-03	-6.89e-03	-5.99e-03
8	11	33	27.70	4.78	4.78	27.70	-3.46e-03	1.57e-02	5.53e-04	1.57e-02	5.53e-04	1.13e-05
8	11	40	27.48	4.55	4.55	27.48	-3.46e-03	1.33e-02	-5.18e-03	1.33e-02	-5.18e-03	2.16e-05
8	11	41	27.75	4.81	4.81	27.75	0.23	1.05e-02	-5.60e-03	5.99e-03	-1.10e-03	-7.22e-03
8	11	48	27.53	4.61	4.61	27.53	-7.22e-02	5.59e-03	-9.73e-03	2.73e-03	-6.88e-03	5.97e-03
8	11	49	28.30	4.91	4.91	28.30	-3.88e-02	7.77e-02	1.33e-02	7.74e-02	1.36e-02	4.43e-03
8	11	56	28.08	4.77	4.78	28.07	0.38	7.18e-02	6.87e-03	7.10e-02	7.67e-03	-7.14e-03
8	11	57	28.76	4.98	5.07	28.67	-1.47	1.72	0.36	1.72	0.36	7.36e-02
8	11	64	28.52	4.89	5.07	28.34	2.02	1.70	0.32	1.70	0.33	-7.82e-02
8	11	65	9.84	-5.16	5.00	-0.32	7.01	-0.70	-3.63	-3.61	-0.72	-0.24
8	11	72	9.73	-4.19	5.62	-7.81e-02	-6.35	-0.70	-3.59	-3.57	-0.72	0.23
8	12	1	-0.44	-11.94	-10.50	-1.88	-3.80	0.19	7.63e-02	0.18	8.60e-02	-3.12e-02
8	12	2	2.82	-9.96	-2.69	-4.45	-6.33	0.64	-0.29	-0.15	0.50	0.34
8	12	15	3.05	-10.11	2.64	-9.70	-2.30	-0.72	-0.85	-0.85	-0.72	5.86e-03
8	12	16	16.42	0.18	13.34	3.25	-6.36	2.56	0.45	2.52	0.49	0.29
8	12	17	2.56	-7.95	0.48	-5.87	-4.19	0.77	0.16	0.23	0.71	0.19
8	12	24	-3.38	-9.17	-3.71	-8.85	-1.33	-0.41	-0.98	-0.43	-0.96	0.11
8	12	25	2.61	-6.34	2.13	-5.86	-2.01	0.96	0.24	0.25	0.95	9.74e-02
8	12	32	-7.03	-8.90	-7.31	-8.61	-0.67	-0.43	-1.27	-0.43	-1.27	6.55e-02
8	12	33	2.66	-5.85	2.66	-5.85	3.40e-03	1.04	0.26	0.26	1.04	4.81e-06
8	12	40	-8.49	-8.57	-8.49	-8.57	3.40e-03	-0.45	-1.38	-0.45	-1.38	2.03e-05
8	12	41	2.61	-6.34	2.13	-5.86	2.02	0.96	0.24	0.25	0.95	-9.74e-02
8	12	48	-7.03	-8.90	-7.32	-8.61	0.68	-0.43	-1.27	-0.43	-1.27	-6.56e-02
8	12	49	2.55	-7.95	0.47	-5.87	4.19	0.77	0.16	0.23	0.71	-0.19
8	12	56	-3.39	-9.18	-3.71	-8.85	1.33	-0.41	-0.98	-0.43	-0.96	-0.11
8	12	57	2.81	-9.96	-2.70	-4.45	6.32	0.64	-0.29	-0.15	0.50	-0.34
8	12	64	3.05	-10.11	2.64	-9.70	2.30	-0.72	-0.85	-0.85	-0.72	-5.86e-03
8	12	65	-0.45	-11.94	-10.50	-1.88	3.80	0.19	7.64e-02	0.18	8.61e-02	3.12e-02
8	12	72	16.41	0.19	13.34	3.25	6.35	2.56	0.45	2.52	0.49	-0.29
8	13	1	10.71	-5.62	5.44	-0.35	-7.63	-0.76	-3.97	-3.95	-0.78	0.26
8	13	2	31.42	5.42	5.53	31.32	1.65	1.88	0.39	1.88	0.39	-8.14e-02
8	13	15	31.17	5.34	5.53	30.98	-2.20	1.86	0.35	1.86	0.36	8.63e-02
8	13	16	10.62	-4.62	6.10	-9.85e-02	6.96	-0.76	-3.93	-3.91	-0.79	-0.26
8	13	17	30.92	5.37	5.37	30.92	6.49e-02	8.53e-02	1.48e-02	8.50e-02	1.51e-02	-4.71e-03
8	13	24	30.69	5.22	5.22	30.68	-0.42	7.88e-02	7.55e-03	7.80e-02	8.40e-03	7.73e-03
8	13	25	30.32	5.27	5.27	30.32	-0.25	1.18e-02	-6.10e-03	7.01e-03	-1.28e-03	7.95e-03
8	13	32	30.10	5.05	5.05	30.10	7.24e-02	6.38e-03	-1.06e-02	3.31e-03	-7.57e-03	-6.54e-03
8	13	33	30.26	5.24	5.24	30.26	-3.40e-03	1.77e-02	8.59e-04	1.77e-02	8.59e-04	-4.81e-06
8	13	40	30.04	4.99	4.99	30.04	-3.40e-03	1.49e-02	-5.72e-03	1.49e-02	-5.72e-03	-2.03e-05
8	13	41	30.32	5.27	5.27	30.32	0.25	1.19e-02	-5.88e-03	7.02e-03	-9.84e-04	-7.95e-03
8	13	48	30.10	5.05	5.05	30.10	-7.72e-02	6.43e-03	-1.06e-02	3.34e-03	-7.56e-03	6.57e-03
8	13	49	30.93	5.37	5.37	30.93	-6.44e-02	8.55e-02	1.48e-02	8.51e-02	1.51e-02	4.71e-03
8	13	56	30.69	5.22	5.23	30.69	0.42	7.89e-02	7.56e-03	7.80e-02	8.40e-03	-7.73e-03
8	13	57	31.42	5.42	5.53	31.32	-1.64	1.88	0.39	1.88	0.39	8.14e-02
8	13	64	31.17	5.34	5.53	30.98	2.20	1.86	0.35	1.86	0.36	-8.63e-02
8	13	65	10.72	-5.62	5.44	-0.35	7.64	-0.76	-3.97	-3.95	-0.78	-0.26
8	13	72	10.61	-4.62	6.10	-9.85e-02	-6.96	-0.76	-3.93	-3.91	-0.79	0.26
8	14	1	3.83e-02	-12.00	-10.06	-1.91	-4.43	1.86e-02	-0.16	-0.16	1.83e-02	-8.16e-03
8	14	2	4.14	-8.18	-2.24	-1.80	-6.16	0.69	-0.14	1.31e-02	0.54	0.33
8	14	15	3.67	-7.63	3.10	-7.06	-2.49	-0.67	-0.70	-0.69	-0.69	1.40e-02
8	14	16	16.35	0.71	13.83	3.23	-5.76	2.22	0.38	2.18	0.42	0.27
8	14	17	3.50	-5.81	0.93	-3.25	-4.16	0.78	0.17	0.23	0.71	0.19
8	14	24	-2.72	-6.77	-3.26	-6.23	-1.37	-0.40	-0.98	-0.43	-0.96	0.11
8	14	25	3.22	-3.92	2.59	-3.29	-2.02	0.96	0.24	0.25	0.95	9.81e-02
8	14	32	-5.67	-7.24	-6.87	-6.04	-0.67	-0.42	-1.27	-0.43	-1.27	6.50e-02

8	14	33	3.12	-3.28	3.12	-3.28	3.46e-03	1.04	0.26	0.26	1.04	-1.13e-05
8	14	40	-6.01	-8.05	-8.05	-6.01	3.46e-03	-0.45	-1.38	-0.45	-1.38	-2.16e-05
8	14	41	3.22	-3.92	2.59	-3.29	2.03	0.96	0.24	0.25	0.95	-9.81e-02
8	14	48	-5.67	-7.25	-6.87	-6.05	0.67	-0.42	-1.27	-0.43	-1.27	-6.50e-02
8	14	49	3.50	-5.81	0.93	-3.25	4.16	0.78	0.17	0.23	0.71	-0.19
8	14	56	-2.72	-6.77	-3.26	-6.24	1.37	-0.40	-0.98	-0.43	-0.96	-0.11
8	14	57	4.14	-8.18	-2.24	-1.80	6.15	0.69	-0.14	1.30e-02	0.54	-0.33
8	14	64	3.67	-7.63	3.10	-7.06	2.48	-0.67	-0.70	-0.69	-0.69	-1.39e-02
8	14	65	3.25e-02	-12.00	-10.06	-1.91	4.42	1.87e-02	-0.16	-0.16	1.83e-02	8.19e-03
8	14	72	16.34	0.71	13.83	3.23	5.75	2.22	0.38	2.18	0.42	-0.27
8	15	1	9.84	-5.16	5.00	-0.32	-7.01	-0.70	-3.63	-3.61	-0.72	0.24
8	15	2	28.76	4.98	5.07	28.67	1.47	1.72	0.36	1.72	0.36	-7.36e-02
8	15	15	28.52	4.89	5.07	28.34	-2.02	1.70	0.32	1.70	0.33	7.82e-02
8	15	16	9.73	-4.19	5.62	-7.82e-02	6.35	-0.70	-3.59	-3.57	-0.72	-0.23
8	15	17	28.30	4.91	4.91	28.30	3.88e-02	7.77e-02	1.32e-02	7.74e-02	1.36e-02	-4.43e-03
8	15	24	28.08	4.77	4.78	28.07	-0.38	7.18e-02	6.87e-03	7.10e-02	7.67e-03	7.14e-03
8	15	25	27.75	4.81	4.81	27.75	-0.23	1.05e-02	-5.61e-03	5.96e-03	-1.11e-03	7.22e-03
8	15	32	27.53	4.61	4.61	27.53	7.23e-02	5.59e-03	-9.74e-03	2.73e-03	-6.88e-03	-5.97e-03
8	15	33	27.70	4.78	4.78	27.70	3.49e-03	1.57e-02	5.52e-04	1.57e-02	5.52e-04	-1.02e-05
8	15	40	27.48	4.55	4.55	27.48	3.49e-03	1.33e-02	-5.18e-03	1.33e-02	-5.18e-03	-2.16e-05
8	15	41	27.75	4.81	4.81	27.75	0.24	1.04e-02	-5.84e-03	5.94e-03	-1.40e-03	-7.23e-03
8	15	48	27.53	4.61	4.61	27.53	-6.73e-02	5.57e-03	-9.76e-03	2.70e-03	-6.89e-03	5.99e-03
8	15	49	28.30	4.91	4.91	28.30	-3.91e-02	7.76e-02	1.32e-02	7.73e-02	1.35e-02	4.41e-03
8	15	56	28.08	4.77	4.77	28.07	0.38	7.17e-02	6.86e-03	7.09e-02	7.66e-03	-7.16e-03
8	15	57	28.76	4.98	5.07	28.67	-1.48	1.72	0.36	1.72	0.36	7.37e-02
8	15	64	28.51	4.89	5.07	28.34	2.01	1.70	0.32	1.70	0.33	-7.82e-02
8	15	65	9.83	-5.16	4.99	-0.32	7.00	-0.70	-3.63	-3.61	-0.72	-0.24
8	15	72	9.74	-4.20	5.62	-7.81e-02	-6.36	-0.70	-3.59	-3.57	-0.72	0.23
8	16	1	-0.45	-11.93	-10.50	-1.88	-3.80	0.19	7.64e-02	0.18	8.61e-02	-3.12e-02
8	16	2	2.81	-9.96	-2.70	-4.45	-6.32	0.64	-0.29	-0.15	0.50	0.34
8	16	15	3.05	-10.11	2.64	-9.70	-2.30	-0.72	-0.85	-0.85	-0.72	5.84e-03
8	16	16	16.41	0.19	13.34	3.25	-6.35	2.56	0.45	2.52	0.49	0.29
8	16	17	2.55	-7.95	0.47	-5.87	-4.19	0.77	0.16	0.23	0.71	0.19
8	16	24	-3.39	-9.18	-3.71	-8.85	-1.33	-0.41	-0.98	-0.43	-0.96	0.11
8	16	25	2.61	-6.34	2.13	-5.86	-2.02	0.96	0.24	0.25	0.95	9.74e-02
8	16	32	-7.03	-8.90	-7.32	-8.61	-0.68	-0.43	-1.27	-0.43	-1.27	6.56e-02
8	16	33	2.66	-5.85	2.66	-5.85	-3.34e-03	1.04	0.26	0.26	1.04	-1.96e-06
8	16	40	-8.49	-8.57	-8.49	-8.57	-3.34e-03	-0.45	-1.38	-0.45	-1.38	-1.88e-05
8	16	41	2.61	-6.34	2.13	-5.86	2.01	0.96	0.24	0.25	0.95	-9.74e-02
8	16	48	-7.03	-8.90	-7.31	-8.61	0.67	-0.43	-1.27	-0.43	-1.27	-6.55e-02
8	16	49	2.56	-7.95	0.48	-5.87	4.19	0.77	0.16	0.23	0.71	-0.19
8	16	56	-3.38	-9.17	-3.71	-8.85	1.33	-0.41	-0.98	-0.43	-0.96	-0.11
8	16	57	2.82	-9.96	-2.69	-4.45	6.33	0.64	-0.29	-0.15	0.50	-0.34
8	16	64	3.05	-10.11	2.64	-9.70	2.30	-0.72	-0.85	-0.85	-0.72	-5.88e-03
8	16	65	-0.44	-11.94	-10.50	-1.88	3.80	0.19	7.63e-02	0.18	8.60e-02	3.12e-02
8	16	72	16.42	0.18	13.34	3.25	6.36	2.56	0.45	2.52	0.49	-0.29
8	17	1	10.72	-5.63	5.44	-0.35	-7.64	-0.76	-3.97	-3.95	-0.78	0.26
8	17	2	31.42	5.42	5.53	31.32	1.64	1.88	0.39	1.88	0.39	-8.13e-02
8	17	15	31.17	5.34	5.53	30.98	-2.20	1.86	0.35	1.86	0.36	8.63e-02
8	17	16	10.61	-4.62	6.10	-9.85e-02	6.96	-0.76	-3.93	-3.91	-0.79	-0.26
8	17	17	30.93	5.37	5.37	30.93	6.45e-02	8.55e-02	1.48e-02	8.52e-02	1.51e-02	-4.71e-03
8	17	24	30.69	5.22	5.23	30.69	-0.42	7.89e-02	7.56e-03	7.80e-02	8.40e-03	7.73e-03
8	17	25	30.32	5.27	5.27	30.32	-0.25	1.19e-02	-5.87e-03	7.05e-03	-9.79e-04	7.95e-03
8	17	32	30.10	5.05	5.05	30.10	7.72e-02	6.43e-03	-1.06e-02	3.35e-03	-7.56e-03	-6.57e-03
8	17	33	30.26	5.24	5.24	30.26	3.34e-03	1.77e-02	8.58e-04	1.77e-02	8.58e-04	1.96e-06
8	17	40	30.04	4.99	4.99	30.04	3.34e-03	1.49e-02	-5.72e-03	1.49e-02	-5.72e-03	1.88e-05
8	17	41	30.32	5.27	5.27	30.32	0.25	1.18e-02	-6.11e-03	6.98e-03	-1.28e-03	-7.95e-03
8	17	48	30.10	5.05	5.05	30.10	-7.25e-02	6.38e-03	-1.06e-02	3.31e-03	-7.57e-03	6.54e-03
8	17	49	30.92	5.37	5.37	30.92	-6.49e-02	8.53e-02	1.48e-02	8.50e-02	1.51e-02	4.71e-03
8	17	56	30.69	5.22	5.22	30.68	0.42	7.88e-02	7.55e-03	7.80e-02	8.40e-03	-7.73e-03
8	17	57	31.42	5.42	5.53	31.32	-1.65	1.88	0.39	1.88	0.39	8.14e-02
8	17	64	31.17	5.34	5.53	30.98	2.20	1.86	0.35	1.86	0.36	-8.63e-02
8	17	65	10.71	-5.62	5.44	-0.35	7.63	-0.76	-3.97	-3.95	-0.78	-0.26
8	17	72	10.62	-4.62	6.10	-9.85e-02	-6.96	-0.76	-3.93	-3.91	-0.79	0.26
8	18	1	3.24e-02	-12.00	-10.06	-1.91	-4.42	1.87e-02	-0.16	-0.16	1.83e-02	-8.19e-03
8	18	2	4.14	-8.18	-2.24	-1.80	-6.15	0.69	-0.14	1.30e-02	0.54	0.33
8	18	15	3.67	-7.63	3.10	-7.06	-2.48	-0.67	-0.70	-0.69	-0.69	1.40e-02
8	18	16	16.34	0.71	13.83	3.23	-5.75	2.22	0.38	2.18	0.42	0.27
8	18	17	3.50	-5.81	0.93	-3.25	-4.16	0.78	0.17	0.23	0.71	0.19
8	18	24	-2.72	-6.77	-3.26	-6.24	-1.37	-0.40	-0.98	-0.43	-0.96	0.11
8	18	25	3.22	-3.92	2.59	-3.29	-2.03	0.96	0.24	0.25	0.95	9.81e-02
8	18	32	-5.67	-7.25	-6.87	-6.05	-0.67	-0.42	-1.27	-0.43	-1.27	6.50e-02
8	18	33	3.12	-3.28	3.12	-3.28	-3.49e-03	1.04	0.26	0.26	1.04	1.02e-05
8	18	40	-6.01	-8.05	-8.05	-6.01	-3.49e-03	-0.45	-1.38	-0.45	-1.38	2.16e-05
8	18	41	3.22	-3.92	2.59	-3.29	2.02	0.96	0.24	0.25	0.95	-9.81e-02
8	18	48	-5.67	-7.24	-6.87	-6.04	0.67	-0.42	-1.27	-0.43	-1.27	-6.50e-02
8	18	49	3.50	-5.81	0.93	-3.25	4.16	0.78	0.17	0.23	0.71	-0.19

8	18	56	-2.72	-6.77	-3.26	-6.23	1.37	-0.40	-0.98	-0.43	-0.96	-0.11
8	18	57	4.14	-8.18	-2.24	-1.80	6.16	0.69	-0.14	1.31e-02	0.54	-0.33
8	18	64	3.67	-7.63	3.10	-7.06	2.49	-0.67	-0.70	-0.69	-0.69	-1.40e-02
8	18	65	3.84e-02	-12.00	-10.06	-1.91	4.43	1.87e-02	-0.16	-0.16	1.83e-02	8.16e-03
8	18	72	16.35	0.71	13.83	3.23	5.76	2.22	0.38	2.18	0.42	-0.27
8	19	1	9.83	-5.16	4.99	-0.32	-7.00	-0.70	-3.63	-3.61	-0.72	0.24
8	19	2	28.76	4.98	5.07	28.67	1.48	1.72	0.36	1.72	0.36	-7.37e-02
8	19	15	28.51	4.89	5.07	28.34	-2.01	1.70	0.32	1.70	0.33	7.82e-02
8	19	16	9.74	-4.20	5.62	-7.81e-02	6.36	-0.70	-3.59	-3.57	-0.72	-0.23
8	19	17	28.30	4.91	4.91	28.30	3.91e-02	7.75e-02	1.32e-02	7.72e-02	1.35e-02	-4.42e-03
8	19	24	28.08	4.77	4.77	28.07	-0.38	7.17e-02	6.86e-03	7.09e-02	7.66e-03	7.15e-03
8	19	25	27.75	4.81	4.81	27.75	-0.24	1.04e-02	-5.85e-03	5.92e-03	-1.41e-03	7.23e-03
8	19	32	27.53	4.61	4.61	27.53	6.74e-02	5.55e-03	-9.75e-03	2.70e-03	-6.89e-03	-5.96e-03
8	19	33	27.70	4.78	4.78	27.70	-3.35e-03	1.57e-02	5.53e-04	1.57e-02	5.53e-04	-2.87e-06
8	19	40	27.48	4.55	4.55	27.48	-3.35e-03	1.33e-02	-5.18e-03	1.33e-02	-5.18e-03	-1.95e-05
8	19	41	27.75	4.81	4.81	27.75	0.23	1.05e-02	-5.60e-03	5.99e-03	-1.10e-03	-7.22e-03
8	19	48	27.53	4.61	4.61	27.53	-7.22e-02	5.61e-03	-9.75e-03	2.73e-03	-6.88e-03	5.99e-03
8	19	49	28.30	4.91	4.91	28.30	-3.87e-02	7.77e-02	1.33e-02	7.74e-02	1.36e-02	4.42e-03
8	19	56	28.08	4.77	4.78	28.07	0.38	7.18e-02	6.87e-03	7.10e-02	7.67e-03	-7.15e-03
8	19	57	28.76	4.98	5.07	28.67	-1.47	1.72	0.36	1.72	0.36	7.37e-02
8	19	64	28.52	4.89	5.07	28.34	2.02	1.70	0.32	1.70	0.33	-7.82e-02
8	19	65	9.84	-5.16	5.00	-0.32	7.01	-0.70	-3.63	-3.61	-0.72	-0.24
8	19	72	9.73	-4.19	5.62	-7.81e-02	-6.35	-0.70	-3.59	-3.57	-0.72	0.23
8	20	1	-0.44	-11.94	-10.50	-1.88	-3.80	0.19	7.63e-02	0.18	8.60e-02	-3.12e-02
8	20	2	2.82	-9.96	-2.69	-4.45	-6.33	0.64	-0.29	-0.15	0.50	0.34
8	20	15	3.05	-10.11	2.64	-9.70	-2.30	-0.72	-0.85	-0.85	-0.72	5.87e-03
8	20	16	16.42	0.18	13.34	3.25	-6.36	2.56	0.45	2.52	0.49	0.29
8	20	17	2.56	-7.95	0.48	-5.87	-4.19	0.77	0.16	0.23	0.71	0.19
8	20	24	-3.38	-9.17	-3.71	-8.85	-1.33	-0.41	-0.98	-0.43	-0.96	0.11
8	20	25	2.61	-6.34	2.13	-5.86	-2.01	0.96	0.24	0.25	0.95	9.74e-02
8	20	32	-7.03	-8.90	-7.31	-8.61	-0.67	-0.43	-1.27	-0.43	-1.27	6.56e-02
8	20	33	2.66	-5.85	2.66	-5.85	3.50e-03	1.04	0.26	0.26	1.04	-9.33e-06
8	20	40	-8.49	-8.57	-8.49	-8.57	3.50e-03	-0.45	-1.38	-0.45	-1.38	-2.08e-05
8	20	41	2.61	-6.34	2.13	-5.86	2.02	0.96	0.24	0.25	0.95	-9.74e-02
8	20	48	-7.03	-8.90	-7.32	-8.61	0.68	-0.43	-1.27	-0.43	-1.27	-6.55e-02
8	20	49	2.55	-7.95	0.47	-5.87	4.19	0.77	0.16	0.23	0.71	-0.19
8	20	56	-3.39	-9.18	-3.71	-8.85	1.33	-0.41	-0.98	-0.43	-0.96	-0.11
8	20	57	2.81	-9.96	-2.70	-4.45	6.32	0.64	-0.29	-0.15	0.50	-0.34
8	20	64	3.05	-10.11	2.64	-9.70	2.30	-0.72	-0.85	-0.85	-0.72	-5.84e-03
8	20	65	-0.45	-11.94	-10.50	-1.88	3.80	0.19	7.64e-02	0.18	8.61e-02	3.12e-02
8	20	72	16.41	0.19	13.34	3.25	6.35	2.56	0.45	2.52	0.49	-0.29
8	21	1	10.71	-5.62	5.44	-0.35	-7.63	-0.76	-3.97	-3.95	-0.78	0.26
8	21	2	31.42	5.42	5.53	31.32	1.65	1.88	0.39	1.88	0.39	-8.14e-02
8	21	15	31.17	5.34	5.53	30.98	-2.20	1.86	0.35	1.86	0.36	8.63e-02
8	21	16	10.62	-4.62	6.10	-9.85e-02	6.96	-0.76	-3.93	-3.91	-0.79	-0.26
8	21	17	30.92	5.37	5.37	30.92	6.48e-02	8.53e-02	1.48e-02	8.50e-02	1.51e-02	-4.70e-03
8	21	24	30.69	5.22	5.22	30.68	-0.42	7.88e-02	7.54e-03	7.80e-02	8.40e-03	7.74e-03
8	21	25	30.32	5.27	5.27	30.32	-0.25	1.18e-02	-6.11e-03	7.01e-03	-1.28e-03	7.96e-03
8	21	32	30.10	5.05	5.05	30.10	7.24e-02	6.40e-03	-1.07e-02	3.31e-03	-7.57e-03	-6.56e-03
8	21	33	30.26	5.24	5.24	30.26	-3.50e-03	1.77e-02	8.59e-04	1.77e-02	8.59e-04	9.33e-06
8	21	40	30.04	4.99	4.99	30.04	-3.50e-03	1.49e-02	-5.72e-03	1.49e-02	-5.72e-03	2.08e-05
8	21	41	30.32	5.27	5.27	30.32	0.25	1.19e-02	-5.88e-03	7.02e-03	-9.84e-04	-7.94e-03
8	21	48	30.10	5.05	5.05	30.10	-7.73e-02	6.41e-03	-1.06e-02	3.34e-03	-7.56e-03	6.55e-03
8	21	49	30.93	5.37	5.37	30.93	-6.45e-02	8.55e-02	1.48e-02	8.51e-02	1.51e-02	4.72e-03
8	21	56	30.69	5.22	5.23	30.69	0.42	7.89e-02	7.56e-03	7.80e-02	8.41e-03	-7.72e-03
8	21	57	31.42	5.42	5.53	31.32	-1.64	1.88	0.39	1.88	0.39	8.13e-02
8	21	64	31.17	5.34	5.53	30.98	2.20	1.86	0.35	1.86	0.36	-8.63e-02
8	21	65	10.72	-5.62	5.44	-0.35	7.64	-0.76	-3.97	-3.95	-0.78	-0.26
8	21	72	10.61	-4.62	6.10	-9.85e-02	-6.96	-0.76	-3.93	-3.91	-0.79	0.26
8	22	1	3.83e-02	-12.00	-10.06	-1.91	-4.43	1.86e-02	-0.16	-0.16	1.83e-02	-8.18e-03
8	22	2	4.14	-8.18	-2.24	-1.80	-6.16	0.69	-0.14	1.31e-02	0.54	0.33
8	22	15	3.67	-7.63	3.10	-7.06	-2.49	-0.67	-0.70	-0.69	-0.69	1.40e-02
8	22	16	16.35	0.71	13.83	3.23	-5.76	2.22	0.38	2.18	0.42	0.27
8	22	17	3.50	-5.81	0.93	-3.25	-4.16	0.78	0.17	0.23	0.71	0.19
8	22	24	-2.72	-6.77	-3.26	-6.23	-1.37	-0.40	-0.98	-0.43	-0.96	0.11
8	22	25	3.22	-3.92	2.59	-3.29	-2.02	0.96	0.24	0.25	0.95	9.81e-02
8	22	32	-5.67	-7.24	-6.87	-6.04	-0.67	-0.42	-1.27	-0.43	-1.27	6.50e-02
8	22	33	3.12	-3.28	3.12	-3.28	3.35e-03	1.04	0.26	0.26	1.04	2.87e-06
8	22	40	-6.01	-8.05	-8.05	-6.01	3.35e-03	-0.45	-1.38	-0.45	-1.38	1.95e-05
8	22	41	3.22	-3.92	2.59	-3.29	2.03	0.96	0.24	0.25	0.95	-9.81e-02
8	22	48	-5.67	-7.25	-6.87	-6.05	0.67	-0.42	-1.27	-0.43	-1.27	-6.50e-02
8	22	49	3.50	-5.81	0.93	-3.25	4.16	0.78	0.17	0.23	0.71	-0.19
8	22	56	-2.72	-6.77	-3.26	-6.24	1.37	-0.40	-0.98	-0.43	-0.96	-0.11
8	22	57	4.14	-8.18	-2.24	-1.80	6.15	0.69	-0.14	1.30e-02	0.54	-0.33
8	22	64	3.67	-7.63	3.10	-7.06	2.48	-0.67	-0.70	-0.69	-0.69	-1.40e-02
8	22	65	3.25e-02	-12.00	-10.06	-1.91	4.42	1.87e-02	-0.16	-0.16	1.83e-02	8.17e-03
8	22	72	16.34	0.71	13.83	3.23	5.75	2.22	0.38	2.18	0.42	-0.27

8	23	1	36.70	-19.21	18.68	-1.18	-26.13	-2.71	-14.10	-14.02	-2.79	0.94
8	23	2	110.27	18.59	19.09	109.78	6.71	6.65	1.35	6.63	1.36	-0.31
8	23	15	109.79	18.55	19.19	109.14	-7.62	6.59	1.26	6.57	1.28	0.33
8	23	16	36.96	-17.30	20.37	-0.70	25.00	-2.70	-13.95	-13.87	-2.78	-0.93
8	23	17	108.59	18.90	18.91	108.58	0.91	0.31	6.05e-02	0.31	6.12e-02	-1.32e-02
8	23	24	108.16	18.53	18.56	108.13	-1.46	0.29	2.77e-02	0.29	3.01e-02	2.50e-02
8	23	25	106.45	18.77	18.78	106.45	-0.52	5.51e-02	-1.34e-02	3.83e-02	3.34e-03	2.94e-02
8	23	32	106.05	18.21	18.21	106.05	0.28	3.11e-02	-3.68e-02	2.14e-02	-2.71e-02	-2.38e-02
8	23	33	106.26	18.73	18.73	106.26	1.14e-02	7.59e-02	9.91e-03	7.59e-02	9.91e-03	-1.14e-05
8	23	40	105.86	18.09	18.09	105.86	1.14e-02	6.15e-02	-2.12e-02	6.15e-02	-2.12e-02	1.64e-06
8	23	41	106.45	18.77	18.77	106.44	0.54	5.47e-02	-1.42e-02	3.82e-02	2.34e-03	-2.94e-02
8	23	48	106.04	18.20	18.21	106.04	-0.26	3.10e-02	-3.69e-02	2.13e-02	-2.72e-02	2.37e-02
8	23	49	108.57	18.89	18.90	108.56	-0.91	0.31	6.04e-02	0.31	6.11e-02	1.32e-02
8	23	56	108.15	18.53	18.56	108.12	1.46	0.29	2.77e-02	0.29	3.01e-02	-2.51e-02
8	23	57	110.27	18.58	19.08	109.77	-6.73	6.64	1.35	6.63	1.36	0.31
8	23	64	109.78	18.55	19.19	109.14	7.60	6.59	1.26	6.57	1.28	-0.33
8	23	65	36.68	-19.18	18.68	-1.18	26.11	-2.71	-14.10	-14.02	-2.79	-0.94
8	23	72	36.99	-17.32	20.37	-0.70	-25.03	-2.70	-13.95	-13.87	-2.78	0.93
8	24	1	0.68	-40.03	-32.98	-6.37	-15.41	-0.12	-1.39	-1.38	-0.12	4.74e-02
8	24	2	15.81	-23.24	-6.80	-0.63	-19.28	2.39	-0.15	0.41	1.84	1.05
8	24	15	13.44	-20.01	11.08	-17.65	-8.56	-1.90	-2.22	-1.92	-2.20	8.51e-02
8	24	16	53.17	3.37	46.13	10.41	-17.34	6.57	1.12	6.44	1.25	0.83
8	24	17	13.38	-14.61	4.12	-5.34	-13.17	2.60	0.59	0.81	2.39	0.62
8	24	24	-7.02	-17.66	-9.73	-14.95	-4.64	-1.32	-3.27	-1.39	-3.20	0.37
8	24	25	12.19	-7.94	9.84	-5.58	-6.46	3.21	0.80	0.85	3.16	0.33
8	24	32	-13.80	-22.17	-21.53	-14.43	-2.22	-1.41	-4.24	-1.42	-4.22	0.21
8	24	33	11.66	-5.57	11.66	-5.57	-1.14e-02	3.47	0.88	0.88	3.47	1.62e-05
8	24	40	-14.32	-25.37	-25.37	-14.32	-1.14e-02	-1.48	-4.61	-1.48	-4.61	1.09e-05
8	24	41	12.18	-7.92	9.84	-5.58	6.45	3.21	0.80	0.85	3.17	-0.33
8	24	48	-13.80	-22.16	-21.53	-14.43	2.21	-1.41	-4.24	-1.42	-4.22	-0.21
8	24	49	13.39	-14.60	4.12	-5.33	13.17	2.60	0.59	0.81	2.39	-0.62
8	24	56	-7.01	-17.65	-9.73	-14.93	4.64	-1.32	-3.27	-1.39	-3.20	-0.37
8	24	57	15.83	-23.25	-6.80	-0.63	19.30	2.39	-0.15	0.41	1.84	-1.05
8	24	64	13.45	-20.01	11.08	-17.65	8.58	-1.90	-2.22	-1.92	-2.20	-8.53e-02
8	24	65	0.70	-40.05	-32.98	-6.37	15.43	-0.12	-1.39	-1.39	-0.12	-4.75e-02
8	24	72	53.18	3.35	46.13	10.41	17.37	6.57	1.12	6.44	1.25	-0.83
8	25	1	36.97	-19.35	18.81	-1.19	-26.32	-2.73	-14.20	-14.12	-2.81	0.95
8	25	2	111.07	18.72	19.22	110.57	6.76	6.69	1.36	6.68	1.37	-0.31
8	25	15	110.58	18.68	19.33	109.94	-7.68	6.64	1.27	6.62	1.29	0.33
8	25	16	37.23	-17.42	20.51	-0.71	25.18	-2.72	-14.05	-13.97	-2.80	-0.93
8	25	17	109.37	19.04	19.05	109.36	0.92	0.32	6.09e-02	0.32	6.16e-02	-1.33e-02
8	25	24	108.94	18.67	18.69	108.92	-1.47	0.29	2.79e-02	0.29	3.04e-02	2.52e-02
8	25	25	107.22	18.91	18.91	107.22	-0.53	5.55e-02	-1.35e-02	3.87e-02	3.37e-03	2.96e-02
8	25	32	106.82	18.34	18.34	106.82	0.28	3.14e-02	-3.71e-02	2.16e-02	-2.73e-02	-2.39e-02
8	25	33	107.03	18.87	18.87	107.03	1.14e-02	7.65e-02	1.00e-02	7.65e-02	1.00e-02	-1.62e-05
8	25	40	106.63	18.22	18.22	106.63	1.14e-02	6.19e-02	-2.13e-02	6.19e-02	-2.13e-02	-1.09e-05
8	25	41	107.22	18.91	18.91	107.21	0.54	5.52e-02	-1.43e-02	3.85e-02	2.38e-03	-2.97e-02
8	25	48	106.81	18.34	18.34	106.81	-0.26	3.12e-02	-3.71e-02	2.15e-02	-2.74e-02	2.39e-02
8	25	49	109.36	19.03	19.04	109.35	-0.92	0.32	6.08e-02	0.32	6.15e-02	1.32e-02
8	25	56	108.93	18.67	18.69	108.91	1.47	0.29	2.79e-02	0.29	3.03e-02	-2.52e-02
8	25	57	111.07	18.72	19.22	110.57	-6.78	6.69	1.36	6.67	1.37	0.31
8	25	64	110.57	18.68	19.32	109.93	7.66	6.64	1.27	6.62	1.29	-0.33
8	25	65	36.94	-19.32	18.81	-1.19	26.29	-2.73	-14.20	-14.12	-2.81	-0.95
8	25	72	37.25	-17.45	20.51	-0.71	-25.21	-2.72	-14.05	-13.97	-2.80	0.93
8	26	1	0.84	-40.07	-32.85	-6.38	-15.60	-0.14	-1.49	-1.49	-0.14	5.43e-02
8	26	2	16.28	-22.78	-6.67	0.17	-19.23	2.41	-0.11	0.46	1.85	1.05
8	26	15	13.66	-19.29	11.22	-16.86	-8.62	-1.85	-2.21	-1.88	-2.19	8.76e-02
8	26	16	53.16	3.51	46.28	10.40	-17.16	6.47	1.10	6.33	1.23	0.83
8	26	17	13.73	-14.03	4.25	-4.55	-13.16	2.60	0.59	0.81	2.39	0.62
8	26	24	-6.70	-17.06	-9.59	-14.16	-4.65	-1.32	-3.27	-1.39	-3.20	0.37
8	26	25	12.40	-7.24	9.97	-4.81	-6.47	3.21	0.80	0.85	3.16	0.33
8	26	32	-13.07	-21.99	-21.40	-13.66	-2.22	-1.41	-4.24	-1.42	-4.22	0.21
8	26	33	11.80	-4.80	11.80	-4.80	-1.14e-02	3.47	0.88	0.88	3.47	1.14e-05
8	26	40	-13.55	-25.24	-25.24	-13.55	-1.14e-02	-1.48	-4.61	-1.48	-4.61	-1.64e-06
8	26	41	12.40	-7.23	9.98	-4.81	6.45	3.21	0.80	0.85	3.17	-0.33
8	26	48	-13.07	-21.98	-21.40	-13.66	2.21	-1.41	-4.24	-1.42	-4.22	-0.21
8	26	49	13.74	-14.02	4.26	-4.54	13.17	2.60	0.59	0.81	2.39	-0.62
8	26	56	-6.69	-17.05	-9.59	-14.15	4.65	-1.32	-3.27	-1.39	-3.20	-0.37
8	26	57	16.30	-22.79	-6.66	0.17	19.25	2.41	-0.11	0.46	1.85	-1.05
8	26	64	13.67	-19.30	11.22	-16.86	8.64	-1.85	-2.21	-1.88	-2.19	-8.77e-02
8	26	65	0.86	-40.09	-32.84	-6.38	15.62	-0.14	-1.49	-1.49	-0.14	-5.44e-02
8	26	72	53.18	3.49	46.28	10.40	17.19	6.46	1.10	6.33	1.23	-0.83
8	27	1	36.70	-19.21	18.68	-1.18	-26.13	-2.71	-14.10	-14.02	-2.79	0.94
8	27	2	110.27	18.59	19.09	109.78	6.71	6.65	1.35	6.63	1.36	-0.31
8	27	15	109.79	18.55	19.19	109.14	-7.62	6.59	1.26	6.57	1.28	0.33
8	27	16	36.96	-17.30	20.37	-0.70	25.00	-2.70	-13.95	-13.87	-2.78	-0.93
8	27	17	108.59	18.90	18.91	108.58	0.91	0.31	6.05e-02	0.31	6.12e-02	-1.32e-02

8	27	24	108.16	18.53	18.56	108.13	-1.46	0.29	2.77e-02	0.29	3.01e-02	2.50e-02
8	27	25	106.45	18.77	18.78	106.45	-0.52	5.51e-02	-1.34e-02	3.83e-02	3.34e-03	2.94e-02
8	27	32	106.05	18.21	18.21	106.05	0.28	3.11e-02	-3.68e-02	2.14e-02	-2.71e-02	-2.38e-02
8	27	33	106.26	18.73	18.73	106.26	1.14e-02	7.59e-02	9.91e-03	7.59e-02	9.91e-03	-1.56e-05
8	27	40	105.86	18.09	18.09	105.86	1.14e-02	6.15e-02	-2.12e-02	6.15e-02	-2.12e-02	-1.07e-05
8	27	41	106.45	18.77	18.77	106.44	0.54	5.47e-02	-1.42e-02	3.82e-02	2.34e-03	-2.95e-02
8	27	48	106.04	18.20	18.21	106.04	-0.26	3.10e-02	-3.69e-02	2.13e-02	-2.72e-02	2.37e-02
8	27	49	108.57	18.89	18.90	108.56	-0.91	0.31	6.04e-02	0.31	6.11e-02	1.32e-02
8	27	56	108.15	18.53	18.56	108.12	1.46	0.29	2.77e-02	0.29	3.01e-02	-2.51e-02
8	27	57	110.27	18.58	19.08	109.77	-6.73	6.64	1.35	6.63	1.36	0.31
8	27	64	109.78	18.55	19.19	109.14	7.60	6.59	1.26	6.57	1.28	-0.33
8	27	65	36.68	-19.18	18.68	-1.18	26.11	-2.71	-14.10	-14.02	-2.79	-0.94
8	27	72	36.99	-17.32	20.37	-0.70	-25.03	-2.70	-13.95	-13.87	-2.78	0.93
8	28	1	0.68	-40.03	-32.98	-6.37	-15.41	-0.12	-1.39	-1.38	-0.12	4.74e-02
8	28	2	15.81	-23.24	-6.80	-0.63	-19.28	2.39	-0.15	0.41	1.84	1.05
8	28	15	13.44	-20.01	11.08	-17.65	-8.56	-1.90	-2.22	-1.92	-2.20	8.51e-02
8	28	16	53.17	3.37	46.13	10.41	-17.34	6.57	1.12	6.44	1.25	0.83
8	28	17	13.38	-14.61	4.12	-5.34	-13.17	2.60	0.59	0.81	2.39	0.62
8	28	24	-7.02	-17.66	-9.73	-14.95	-4.64	-1.32	-3.27	-1.39	-3.20	0.37
8	28	25	12.19	-7.94	9.84	-5.58	-6.46	3.21	0.80	0.85	3.16	0.33
8	28	32	-13.80	-22.17	-21.53	-14.43	-2.22	-1.41	-4.24	-1.42	-4.22	0.21
8	28	33	11.66	-5.57	11.66	-5.57	-1.14e-02	3.47	0.88	0.88	3.47	1.20e-05
8	28	40	-14.32	-25.37	-25.37	-14.32	-1.14e-02	-1.48	-4.61	-1.48	-4.61	-1.41e-06
8	28	41	12.18	-7.92	9.84	-5.58	6.45	3.21	0.80	0.85	3.17	-0.33
8	28	48	-13.80	-22.16	-21.53	-14.43	2.21	-1.41	-4.24	-1.42	-4.22	-0.21
8	28	49	13.39	-14.60	4.12	-5.33	13.17	2.60	0.59	0.81	2.39	-0.62
8	28	56	-7.01	-17.65	-9.73	-14.93	4.64	-1.32	-3.27	-1.39	-3.20	-0.37
8	28	57	15.83	-23.25	-6.80	-0.63	19.30	2.39	-0.15	0.41	1.84	-1.05
8	28	64	13.45	-20.01	11.08	-17.65	8.58	-1.90	-2.22	-1.92	-2.20	-8.53e-02
8	28	65	0.70	-40.05	-32.98	-6.37	15.43	-0.12	-1.39	-1.39	-0.12	-4.74e-02
8	28	72	53.18	3.35	46.13	10.41	17.37	6.57	1.12	6.44	1.25	-0.83
8	29	1	36.97	-19.35	18.81	-1.19	-26.32	-2.73	-14.20	-14.12	-2.81	0.95
8	29	2	111.07	18.72	19.22	110.57	6.76	6.69	1.36	6.68	1.37	-0.31
8	29	15	110.58	18.68	19.33	109.94	-7.68	6.64	1.27	6.62	1.29	0.33
8	29	16	37.23	-17.42	20.51	-0.71	25.18	-2.72	-14.05	-13.97	-2.80	-0.93
8	29	17	109.37	19.04	19.05	109.36	0.92	0.32	6.09e-02	0.32	6.16e-02	-1.33e-02
8	29	24	108.94	18.67	18.69	108.92	-1.47	0.29	2.79e-02	0.29	3.04e-02	2.52e-02
8	29	25	107.22	18.91	18.91	107.22	-0.53	5.55e-02	-1.35e-02	3.87e-02	3.37e-03	2.96e-02
8	29	32	106.82	18.34	18.34	106.82	0.28	3.14e-02	-3.71e-02	2.16e-02	-2.73e-02	-2.39e-02
8	29	33	107.03	18.87	18.87	107.03	1.14e-02	7.65e-02	1.00e-02	7.65e-02	1.00e-02	-1.20e-05
8	29	40	106.63	18.22	18.22	106.63	1.14e-02	6.19e-02	-2.13e-02	6.19e-02	-2.13e-02	1.41e-06
8	29	41	107.22	18.91	18.91	107.21	0.54	5.52e-02	-1.43e-02	3.85e-02	2.38e-03	-2.97e-02
8	29	48	106.81	18.34	18.34	106.81	-0.26	3.12e-02	-3.71e-02	2.15e-02	-2.74e-02	2.39e-02
8	29	49	109.36	19.03	19.04	109.35	-0.92	0.32	6.08e-02	0.32	6.15e-02	1.32e-02
8	29	56	108.93	18.67	18.69	108.91	1.47	0.29	2.79e-02	0.29	3.03e-02	-2.52e-02
8	29	57	111.07	18.72	19.22	110.57	-6.78	6.69	1.36	6.67	1.37	0.31
8	29	64	110.57	18.68	19.32	109.93	7.66	6.64	1.27	6.62	1.29	-0.33
8	29	65	36.94	-19.32	18.81	-1.19	26.29	-2.73	-14.20	-14.12	-2.81	-0.95
8	29	72	37.25	-17.45	20.51	-0.71	-25.21	-2.72	-14.05	-13.97	-2.80	0.93
8	30	1	0.84	-40.07	-32.85	-6.38	-15.60	-0.14	-1.49	-1.49	-0.14	5.43e-02
8	30	2	16.28	-22.78	-6.67	0.17	-19.23	2.41	-0.11	0.46	1.85	1.05
8	30	15	13.66	-19.29	11.22	-16.86	-8.62	-1.85	-2.21	-1.88	-2.19	8.76e-02
8	30	16	53.16	3.51	46.28	10.40	-17.16	6.47	1.10	6.33	1.23	0.83
8	30	17	13.73	-14.03	4.25	-4.55	-13.16	2.60	0.59	0.81	2.39	0.62
8	30	24	-6.70	-17.06	-9.59	-14.16	-4.65	-1.32	-3.27	-1.39	-3.20	0.37
8	30	25	12.40	-7.24	9.97	-4.81	-6.47	3.21	0.80	0.85	3.16	0.33
8	30	32	-13.07	-21.99	-21.40	-13.66	-2.22	-1.41	-4.24	-1.42	-4.22	0.21
8	30	33	11.80	-4.80	11.80	-4.80	-1.14e-02	3.47	0.88	0.88	3.47	1.56e-05
8	30	40	-13.55	-25.24	-25.24	-13.55	-1.14e-02	-1.48	-4.61	-1.48	-4.61	1.07e-05
8	30	41	12.40	-7.23	9.98	-4.81	6.45	3.21	0.80	0.85	3.17	-0.33
8	30	48	-13.07	-21.98	-21.40	-13.66	2.21	-1.41	-4.24	-1.42	-4.22	-0.21
8	30	49	13.74	-14.02	4.26	-4.54	13.17	2.60	0.59	0.81	2.39	-0.62
8	30	56	-6.69	-17.05	-9.59	-14.15	4.65	-1.32	-3.27	-1.39	-3.20	-0.37
8	30	57	16.30	-22.79	-6.66	0.17	19.25	2.41	-0.11	0.46	1.85	-1.05
8	30	64	13.67	-19.30	11.22	-16.86	8.64	-1.85	-2.21	-1.88	-2.19	-8.77e-02
8	30	65	0.86	-40.09	-32.84	-6.38	15.62	-0.14	-1.49	-1.49	-0.14	-5.44e-02
8	30	72	53.18	3.49	46.28	10.40	17.19	6.46	1.10	6.33	1.23	-0.83
8	31	1	36.68	-19.18	18.68	-1.18	-26.11	-2.71	-14.10	-14.02	-2.79	0.94
8	31	2	110.27	18.58	19.08	109.77	6.73	6.64	1.35	6.63	1.36	-0.31
8	31	15	109.78	18.55	19.19	109.14	-7.60	6.59	1.26	6.57	1.28	0.33
8	31	16	36.99	-17.32	20.37	-0.70	25.03	-2.70	-13.95	-13.87	-2.78	-0.93
8	31	17	108.57	18.89	18.90	108.56	0.91	0.31	6.04e-02	0.31	6.11e-02	-1.32e-02
8	31	24	108.15	18.53	18.56	108.12	-1.46	0.29	2.77e-02	0.29	3.01e-02	2.51e-02
8	31	25	106.45	18.77	18.77	106.44	-0.54	5.47e-02	-1.42e-02	3.82e-02	2.34e-03	2.95e-02
8	31	32	106.04	18.20	18.21	106.04	0.26	3.10e-02	-3.69e-02	2.13e-02	-2.72e-02	-2.37e-02
8	31	33	106.26	18.73	18.73	106.26	-1.14e-02	7.59e-02	9.92e-03	7.59e-02	9.92e-03	1.32e-05
8	31	40	105.86	18.09	18.09	105.86	-1.14e-02	6.15e-02	-2.12e-02	6.15e-02	-2.12e-02	8.37e-06

8	31	41	106.45	18.77	18.78	106.45	0.52	5.51e-02	-1.34e-02	3.83e-02	3.34e-03	-2.94e-02
8	31	48	106.05	18.21	18.21	106.05	-0.28	3.11e-02	-3.68e-02	2.14e-02	-2.71e-02	2.38e-02
8	31	49	108.59	18.90	18.91	108.58	-0.91	0.31	6.05e-02	0.31	6.12e-02	1.32e-02
8	31	56	108.16	18.53	18.56	108.13	1.46	0.29	2.77e-02	0.29	3.02e-02	-2.50e-02
8	31	57	110.27	18.59	19.09	109.78	-6.71	6.65	1.35	6.63	1.36	0.31
8	31	64	109.79	18.55	19.19	109.14	7.62	6.59	1.26	6.57	1.28	-0.33
8	31	65	36.70	-19.21	18.68	-1.18	26.13	-2.71	-14.10	-14.02	-2.79	-0.94
8	31	72	36.96	-17.30	20.37	-0.70	-25.00	-2.70	-13.95	-13.87	-2.78	0.93
8	32	1	0.70	-40.05	-32.98	-6.37	-15.43	-0.12	-1.39	-1.39	-0.12	4.74e-02
8	32	2	15.83	-23.25	-6.80	-0.63	-19.30	2.39	-0.15	0.41	1.84	1.05
8	32	15	13.45	-20.01	11.09	-17.65	-8.58	-1.90	-2.22	-1.92	-2.20	8.52e-02
8	32	16	53.18	3.35	46.13	10.41	-17.37	6.57	1.12	6.44	1.25	0.83
8	32	17	13.39	-14.60	4.12	-5.33	-13.17	2.60	0.59	0.81	2.39	0.62
8	32	24	-7.01	-17.65	-9.73	-14.93	-4.64	-1.32	-3.27	-1.39	-3.20	0.37
8	32	25	12.18	-7.92	9.84	-5.58	-6.45	3.21	0.80	0.85	3.17	0.33
8	32	32	-13.80	-22.16	-21.53	-14.43	-2.21	-1.41	-4.24	-1.42	-4.22	0.21
8	32	33	11.66	-5.57	11.66	-5.57	1.14e-02	3.47	0.88	0.88	3.47	-8.35e-06
8	32	40	-14.32	-25.37	-25.37	-14.32	1.14e-02	-1.48	-4.61	-1.48	-4.61	4.18e-06
8	32	41	12.19	-7.94	9.84	-5.58	6.46	3.21	0.80	0.85	3.16	-0.33
8	32	48	-13.80	-22.17	-21.53	-14.43	2.22	-1.41	-4.24	-1.42	-4.22	-0.21
8	32	49	13.38	-14.61	4.12	-5.34	13.17	2.60	0.59	0.81	2.39	-0.62
8	32	56	-7.02	-17.66	-9.73	-14.95	4.64	-1.32	-3.27	-1.39	-3.20	-0.37
8	32	57	15.81	-23.24	-6.81	-0.63	19.28	2.39	-0.15	0.41	1.84	-1.05
8	32	64	13.44	-20.01	11.08	-17.65	8.56	-1.90	-2.22	-1.92	-2.20	-8.51e-02
8	32	65	0.68	-40.03	-32.98	-6.37	15.41	-0.12	-1.39	-1.38	-0.12	-4.74e-02
8	32	72	53.17	3.37	46.13	10.41	17.34	6.57	1.12	6.44	1.25	-0.83
8	33	1	36.94	-19.32	18.81	-1.19	-26.29	-2.73	-14.20	-14.12	-2.81	0.95
8	33	2	111.07	18.72	19.22	110.57	6.78	6.69	1.36	6.67	1.37	-0.31
8	33	15	110.57	18.68	19.32	109.93	-7.66	6.64	1.27	6.62	1.29	0.33
8	33	16	37.25	-17.45	20.51	-0.71	25.21	-2.72	-14.05	-13.97	-2.80	-0.93
8	33	17	109.36	19.03	19.04	109.35	0.92	0.32	6.09e-02	0.32	6.15e-02	-1.32e-02
8	33	24	108.93	18.67	18.69	108.91	-1.47	0.29	2.79e-02	0.29	3.03e-02	2.52e-02
8	33	25	107.22	18.91	18.91	107.21	-0.54	5.52e-02	-1.43e-02	3.85e-02	2.38e-03	2.97e-02
8	33	32	106.81	18.34	18.34	106.81	0.26	3.12e-02	-3.71e-02	2.15e-02	-2.74e-02	-2.39e-02
8	33	33	107.03	18.87	18.87	107.03	-1.14e-02	7.65e-02	1.00e-02	7.65e-02	1.00e-02	8.35e-06
8	33	40	106.63	18.22	18.22	106.63	-1.14e-02	6.19e-02	-2.13e-02	6.19e-02	-2.13e-02	-4.18e-06
8	33	41	107.22	18.91	18.91	107.22	0.53	5.55e-02	-1.35e-02	3.86e-02	3.37e-03	-2.96e-02
8	33	48	106.82	18.34	18.34	106.82	-0.28	3.14e-02	-3.71e-02	2.16e-02	-2.73e-02	2.39e-02
8	33	49	109.37	19.04	19.05	109.36	-0.92	0.32	6.09e-02	0.32	6.16e-02	1.33e-02
8	33	56	108.94	18.67	18.69	108.92	1.47	0.29	2.79e-02	0.29	3.04e-02	-2.52e-02
8	33	57	111.07	18.73	19.22	110.57	-6.76	6.69	1.36	6.68	1.37	0.31
8	33	64	110.58	18.68	19.33	109.94	7.68	6.64	1.27	6.62	1.29	-0.33
8	33	65	36.97	-19.34	18.81	-1.19	26.32	-2.73	-14.20	-14.12	-2.81	-0.95
8	33	72	37.23	-17.42	20.51	-0.71	-25.18	-2.72	-14.05	-13.97	-2.80	0.93
8	34	1	0.86	-40.09	-32.84	-6.38	-15.62	-0.14	-1.49	-1.49	-0.14	5.44e-02
8	34	2	16.30	-22.79	-6.66	0.17	-19.25	2.41	-0.11	0.46	1.85	1.05
8	34	15	13.67	-19.30	11.22	-16.86	-8.64	-1.85	-2.21	-1.88	-2.19	8.77e-02
8	34	16	53.18	3.49	46.28	10.40	-17.19	6.46	1.10	6.33	1.23	0.83
8	34	17	13.74	-14.02	4.26	-4.54	-13.17	2.60	0.59	0.81	2.39	0.62
8	34	24	-6.69	-17.05	-9.59	-14.15	-4.65	-1.32	-3.27	-1.39	-3.20	0.37
8	34	25	12.40	-7.23	9.98	-4.81	-6.45	3.21	0.80	0.85	3.17	0.33
8	34	32	-13.07	-21.98	-21.40	-13.66	-2.21	-1.41	-4.24	-1.42	-4.22	0.21
8	34	33	11.80	-4.80	11.80	-4.80	1.14e-02	3.47	0.88	0.88	3.47	-1.32e-05
8	34	40	-13.55	-25.24	-25.24	-13.55	1.14e-02	-1.48	-4.61	-1.48	-4.61	-8.37e-06
8	34	41	12.40	-7.24	9.97	-4.81	6.47	3.21	0.80	0.85	3.16	-0.33
8	34	48	-13.07	-21.99	-21.40	-13.66	2.22	-1.41	-4.24	-1.42	-4.22	-0.21
8	34	49	13.73	-14.03	4.25	-4.55	13.16	2.60	0.59	0.81	2.39	-0.62
8	34	56	-6.70	-17.06	-9.59	-14.16	4.65	-1.32	-3.27	-1.39	-3.20	-0.37
8	34	57	16.28	-22.78	-6.67	0.17	19.23	2.41	-0.11	0.46	1.85	-1.05
8	34	64	13.65	-19.29	11.22	-16.86	8.62	-1.85	-2.21	-1.88	-2.19	-8.76e-02
8	34	65	0.84	-40.07	-32.85	-6.38	15.60	-0.14	-1.49	-1.49	-0.14	-5.43e-02
8	34	72	53.16	3.51	46.28	10.40	17.16	6.47	1.10	6.33	1.23	-0.83
8	35	1	36.68	-19.18	18.68	-1.18	-26.11	-2.71	-14.10	-14.02	-2.79	0.94
8	35	2	110.27	18.58	19.08	109.77	6.73	6.64	1.35	6.63	1.36	-0.31
8	35	15	109.78	18.55	19.19	109.14	-7.60	6.59	1.26	6.57	1.28	0.33
8	35	16	36.99	-17.32	20.37	-0.70	25.03	-2.70	-13.95	-13.87	-2.78	-0.93
8	35	17	108.57	18.89	18.90	108.56	0.91	0.31	6.04e-02	0.31	6.11e-02	-1.32e-03
8	35	24	108.15	18.53	18.56	108.12	-1.46	0.29	2.77e-02	0.29	3.01e-02	2.51e-02
8	35	25	106.45	18.77	18.77	106.44	-0.54	5.47e-02	-1.42e-02	3.82e-02	2.34e-03	2.95e-02
8	35	32	106.04	18.20	18.21	106.04	0.26	3.10e-02	-3.69e-02	2.13e-02	-2.72e-02	-2.37e-02
8	35	33	106.26	18.73	18.73	106.26	-1.14e-02	7.59e-02	9.92e-03	7.59e-02	9.92e-03	8.93e-06
8	35	40	105.86	18.09	18.09	105.86	-1.14e-02	6.15e-02	-2.12e-02	6.15e-02	-2.12e-02	-3.96e-06
8	35	41	106.45	18.77	18.78	106.45	0.52	5.51e-02	-1.34e-02	3.83e-02	3.34e-03	-2.94e-02
8	35	48	106.05	18.21	18.21	106.05	-0.28	3.11e-02	-3.68e-02	2.14e-02	-2.71e-02	2.38e-02
8	35	49	108.59	18.90	18.91	108.58	-0.91	0.31	6.05e-02	0.31	6.12e-02	1.32e-02
8	35	56	108.16	18.53	18.56	108.13	1.46	0.29	2.77e-02	0.29	3.02e-02	-2.50e-02
8	35	57	110.27	18.59	19.09	109.78	-6.71	6.65	1.35	6.63	1.36	0.31

8	35	64	109.79	18.55	19.19	109.14	7.62	6.59	1.26	6.57	1.28	-0.33
8	35	65	36.70	-19.21	18.68	-1.18	26.13	-2.71	-14.10	-14.02	-2.79	-0.94
8	35	72	36.96	-17.30	20.37	-0.70	-25.00	-2.70	-13.95	-13.87	-2.78	0.93
8	36	1	0.70	-40.05	-32.98	-6.37	-15.43	-0.12	-1.39	-1.39	-0.12	4.75e-02
8	36	2	15.83	-23.25	-6.80	-0.63	-19.30	2.39	-0.15	0.41	1.84	1.05
8	36	15	13.45	-20.01	11.09	-17.65	-8.58	-1.90	-2.22	-1.92	-2.20	8.53e-02
8	36	16	53.18	3.35	46.13	10.41	-17.37	6.57	1.12	6.44	1.25	0.83
8	36	17	13.39	-14.60	4.12	-5.33	-13.17	2.60	0.59	0.81	2.39	0.62
8	36	24	-7.01	-17.65	-9.73	-14.93	-4.64	-1.32	-3.27	-1.39	-3.20	0.37
8	36	25	12.18	-7.92	9.84	-5.58	-6.45	3.21	0.80	0.85	3.17	0.33
8	36	32	-13.80	-22.16	-21.53	-14.43	-2.21	-1.41	-4.24	-1.42	-4.22	0.21
8	36	33	11.66	-5.57	11.66	-5.57	1.14e-02	3.47	0.88	0.88	3.47	-1.26e-05
8	36	40	-14.32	-25.37	-25.37	-14.32	1.14e-02	-1.48	-4.61	-1.48	-4.61	-8.15e-06
8	36	41	12.19	-7.94	9.84	-5.58	6.46	3.21	0.80	0.85	3.16	-0.33
8	36	48	-13.80	-22.17	-21.53	-14.43	2.22	-1.41	-4.24	-1.42	-4.22	-0.21
8	36	49	13.38	-14.61	4.12	-5.34	13.17	2.60	0.59	0.81	2.39	-0.62
8	36	56	-7.02	-17.66	-9.73	-14.95	4.64	-1.32	-3.27	-1.39	-3.20	-0.37
8	36	57	15.81	-23.24	-6.81	-0.63	19.28	2.39	-0.15	0.41	1.84	-1.05
8	36	64	13.44	-20.01	11.08	-17.65	8.56	-1.90	-2.22	-1.92	-2.20	-8.51e-02
8	36	65	0.68	-40.03	-32.98	-6.37	15.41	-0.12	-1.39	-1.38	-0.12	-4.74e-02
8	36	72	53.17	3.37	46.13	10.41	17.34	6.57	1.12	6.44	1.25	-0.83
8	37	1	36.94	-19.32	18.81	-1.19	-26.29	-2.73	-14.20	-14.12	-2.81	0.95
8	37	2	111.07	18.72	19.22	110.57	6.78	6.69	1.36	6.67	1.37	-0.31
8	37	15	110.57	18.68	19.32	109.93	-7.66	6.64	1.27	6.62	1.29	0.33
8	37	16	37.25	-17.45	20.51	-0.71	25.21	-2.72	-14.05	-13.97	-2.80	-0.93
8	37	17	109.36	19.03	19.04	109.35	0.92	0.32	6.09e-02	0.32	6.15e-02	-1.32e-02
8	37	24	108.93	18.67	18.69	108.91	-1.47	0.29	2.79e-02	0.29	3.03e-02	2.52e-02
8	37	25	107.22	18.91	18.91	107.21	-0.54	5.52e-02	-1.43e-02	3.85e-02	2.38e-03	2.97e-02
8	37	32	106.81	18.34	18.34	106.81	0.26	3.12e-02	-3.71e-02	2.15e-02	-2.74e-02	-2.39e-02
8	37	33	107.03	18.87	18.87	107.03	-1.14e-02	7.65e-02	1.00e-02	7.65e-02	1.00e-02	1.26e-05
8	37	40	106.63	18.22	18.22	106.63	-1.14e-02	6.19e-02	-2.13e-02	6.19e-02	-2.13e-02	8.15e-06
8	37	41	107.22	18.91	18.91	107.22	0.53	5.55e-02	-1.35e-02	3.86e-02	3.37e-03	-2.96e-02
8	37	48	106.82	18.34	18.34	106.82	-0.28	3.13e-02	-3.71e-02	2.16e-02	-2.73e-02	2.39e-02
8	37	49	109.37	19.04	19.05	109.36	-0.92	0.32	6.09e-02	0.32	6.16e-02	1.33e-02
8	37	56	108.94	18.67	18.69	108.92	1.47	0.29	2.79e-02	0.29	3.04e-02	-2.52e-02
8	37	57	111.07	18.73	19.22	110.57	-6.76	6.69	1.36	6.68	1.37	0.31
8	37	64	110.58	18.68	19.33	109.94	7.68	6.64	1.27	6.62	1.29	-0.33
8	37	65	36.97	-19.34	18.81	-1.19	26.32	-2.73	-14.20	-14.12	-2.81	-0.95
8	37	72	37.23	-17.42	20.51	-0.71	-25.18	-2.72	-14.05	-13.97	-2.80	0.93
8	38	1	0.86	-40.09	-32.84	-6.38	-15.62	-0.14	-1.49	-1.49	-0.14	5.44e-02
8	38	2	16.30	-22.79	-6.66	0.17	-19.25	2.41	-0.11	0.46	1.85	1.05
8	38	15	13.67	-19.30	11.22	-16.86	-8.64	-1.85	-2.21	-1.88	-2.19	8.77e-02
8	38	16	53.18	3.49	46.28	10.40	-17.19	6.46	1.10	6.33	1.23	0.83
8	38	17	13.74	-14.02	4.26	-4.54	-13.17	2.60	0.59	0.81	2.39	0.62
8	38	24	-6.69	-17.05	-9.59	-14.15	-4.65	-1.32	-3.27	-1.39	-3.20	0.37
8	38	25	12.40	-7.23	9.98	-4.81	-6.45	3.21	0.80	0.85	3.17	0.33
8	38	32	-13.07	-21.98	-21.40	-13.66	-2.21	-1.41	-4.24	-1.42	-4.22	0.21
8	38	33	11.80	-4.80	11.80	-4.80	1.14e-02	3.47	0.88	0.88	3.47	-8.93e-06
8	38	40	-13.55	-25.24	-25.24	-13.55	1.14e-02	-1.48	-4.61	-1.48	-4.61	3.96e-06
8	38	41	12.40	-7.24	9.97	-4.81	6.47	3.21	0.80	0.85	3.16	-0.33
8	38	48	-13.07	-21.99	-21.40	-13.66	2.22	-1.41	-4.24	-1.42	-4.22	-0.21
8	38	49	13.73	-14.03	4.25	-4.55	13.16	2.60	0.59	0.81	2.39	-0.62
8	38	56	-6.70	-17.06	-9.59	-14.16	4.65	-1.32	-3.27	-1.39	-3.20	-0.37
8	38	57	16.28	-22.78	-6.67	0.17	19.23	2.41	-0.11	0.46	1.85	-1.05
8	38	64	13.65	-19.29	11.22	-16.86	8.62	-1.85	-2.21	-1.88	-2.19	-8.76e-02
8	38	65	0.84	-40.07	-32.85	-6.38	15.60	-0.14	-1.49	-1.49	-0.14	-5.43e-02
8	38	72	53.16	3.51	46.28	10.40	17.16	6.47	1.10	6.33	1.23	-0.83
8	39	1	0.31	-0.18	0.15	-1.57e-02	-0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	-1.25e-02
8	39	2	0.40	-0.36	0.11	-6.34e-02	-0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	9.90e-03
8	39	15	6.47e-02	-0.29	6.34e-02	-0.29	-2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	-9.74e-03
8	39	16	0.54	-1.07e-02	0.39	0.14	-0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	1.30e-02
8	39	17	0.18	-0.36	-4.66e-02	-0.14	-0.26	-2.84e-03	-6.89e-03	-6.41e-03	-3.32e-03	-1.31e-03
8	39	24	-0.11	-0.29	-0.11	-0.29	8.06e-03	-1.77e-04	-5.81e-03	-5.69e-03	-3.01e-04	8.25e-04
8	39	25	-7.66e-03	-0.26	-0.14	-0.14	-0.13	-2.49e-03	-5.64e-03	-5.50e-03	-2.63e-03	-6.47e-04
8	39	32	-0.21	-0.28	-0.21	-0.28	3.63e-03	3.74e-04	-3.93e-03	-3.90e-03	3.52e-04	3.06e-04
8	39	33	-0.14	-0.16	-0.16	-0.14	1.25e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	1.45e-06
8	39	40	-0.25	-0.28	-0.25	-0.28	1.25e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	7.25e-06
8	39	41	-6.66e-03	-0.27	-0.14	-0.14	0.13	-2.60e-03	-5.65e-03	-5.51e-03	-2.74e-03	6.46e-04
8	39	48	-0.21	-0.28	-0.21	-0.28	-1.84e-03	3.71e-04	-3.94e-03	-3.91e-03	3.47e-04	-3.17e-04
8	39	49	0.17	-0.36	-4.75e-02	-0.14	0.26	-2.85e-03	-6.93e-03	-6.46e-03	-3.32e-03	1.31e-03
8	39	56	-0.11	-0.29	-0.11	-0.29	-8.21e-03	-1.81e-04	-5.83e-03	-5.70e-03	5.40e-04	-8.22e-04
8	39	57	0.40	-0.36	0.11	-6.37e-02	0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.89e-03
8	39	64	6.43e-02	-0.29	6.33e-02	-0.29	1.90e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.74e-03
8	39	65	0.31	-0.17	0.15	-1.57e-02	0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	1.25e-02
8	39	72	0.54	-8.16e-03	0.39	0.14	0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	-1.30e-02
8	40	1	0.33	-0.22	0.14	-1.82e-02	-0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	-1.25e-02
8	40	2	0.43	-0.39	0.10	-6.25e-02	-0.41	9.46e-03	-2.37e-02	-2.03e-02	6.14e-03	9.96e-03

8	40	15	7.19e-02	-0.29	6.37e-02	-0.28	-5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.64e-03
8	40	16	0.57	-4.13e-02	0.39	0.14	-0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	1.31e-02
8	40	17	0.21	-0.38	-4.48e-02	-0.13	-0.29	-2.76e-03	-6.70e-03	-6.18e-03	-3.27e-03	-1.33e-03
8	40	24	-0.11	-0.29	-0.11	-0.29	-1.87e-02	-1.69e-04	-5.65e-03	-5.54e-03	-2.83e-04	7.82e-04
8	40	25	1.57e-02	-0.27	-0.13	-0.13	-0.14	-2.68e-03	-5.61e-03	-5.47e-03	-2.83e-03	-6.30e-04
8	40	32	-0.21	-0.28	-0.21	-0.28	-1.26e-02	1.88e-04	-3.88e-03	-3.85e-03	1.61e-04	3.26e-04
8	40	33	-0.13	-0.15	-0.15	-0.13	-1.28e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	4.52e-06
8	40	40	-0.25	-0.28	-0.25	-0.28	-1.28e-03	3.54e-04	-3.60e-03	-3.60e-03	3.54e-04	8.28e-06
8	40	41	1.45e-02	-0.27	-0.13	-0.13	0.14	-2.57e-03	-5.58e-03	-5.44e-03	-2.71e-03	6.36e-04
8	40	48	-0.21	-0.28	-0.21	-0.28	1.08e-02	1.94e-04	-3.87e-03	-3.84e-03	1.67e-04	-3.33e-04
8	40	49	0.21	-0.38	-4.42e-02	-0.13	0.29	-2.73e-03	-6.64e-03	-6.11e-03	-3.26e-03	1.34e-03
8	40	56	-0.10	-0.29	-0.11	-0.29	1.88e-02	-1.67e-04	-5.63e-03	-5.52e-03	-2.79e-04	-7.73e-04
8	40	57	0.43	-0.40	0.10	-6.22e-02	0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.98e-03
8	40	64	7.26e-02	-0.29	6.38e-02	-0.28	5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.62e-03
8	40	65	0.34	-0.22	0.14	-1.82e-02	0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	1.25e-02
8	40	72	0.58	-4.40e-02	0.39	0.14	0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	-1.31e-02
8	41	1	0.31	-0.18	0.15	-1.57e-02	-0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	-1.25e-02
8	41	2	0.40	-0.36	0.11	-6.35e-02	-0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	9.90e-03
8	41	15	6.47e-02	-0.29	6.34e-02	-0.29	-2.11e-02	-6.73e-03	-3.23e-02	-2.78e-02	-1.12e-02	-9.73e-03
8	41	16	0.54	-1.08e-02	0.39	0.14	-0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	1.30e-02
8	41	17	0.18	-0.36	-4.68e-02	-0.14	-0.26	-2.83e-03	-6.88e-03	-6.40e-03	-3.32e-03	-1.31e-03
8	41	24	-0.11	-0.29	-0.11	-0.29	8.08e-03	-1.79e-04	-5.81e-03	-5.69e-03	-3.01e-04	8.19e-04
8	41	25	-7.77e-03	-0.26	-0.14	-0.14	-0.13	-2.49e-03	-5.63e-03	-5.49e-03	-2.63e-03	-6.50e-04
8	41	32	-0.21	-0.28	-0.21	-0.28	3.64e-03	3.75e-04	-3.93e-03	-3.90e-03	3.52e-04	3.15e-04
8	41	33	-0.14	-0.16	-0.16	-0.14	1.28e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	-4.52e-06
8	41	40	-0.25	-0.28	-0.25	-0.28	1.28e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	-8.28e-06
8	41	41	-6.56e-03	-0.27	-0.14	-0.14	0.13	-2.60e-03	-5.66e-03	-5.52e-03	-2.74e-03	6.43e-04
8	41	48	-0.21	-0.28	-0.21	-0.28	-1.83e-03	3.69e-04	-3.94e-03	-3.92e-03	3.47e-04	-3.09e-04
8	41	49	0.17	-0.36	-4.73e-02	-0.14	0.26	-2.86e-03	-6.94e-03	-6.47e-03	-3.33e-03	1.30e-03
8	41	56	-0.11	-0.29	-0.11	-0.29	-8.19e-03	-1.80e-04	-5.83e-03	-5.71e-03	-3.04e-04	-8.28e-04
8	41	57	0.40	-0.36	0.11	-6.37e-02	0.37	9.40e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.88e-03
8	41	64	6.43e-02	-0.29	6.33e-02	-0.29	1.90e-02	-6.71e-03	-3.24e-02	-2.79e-02	-1.12e-02	9.75e-03
8	41	65	0.31	-0.17	0.15	-1.57e-02	0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	1.25e-02
8	41	72	0.54	-8.15e-03	0.39	0.14	0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	-1.30e-02
8	42	1	0.33	-0.22	0.14	-1.82e-02	-0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	-1.25e-02
8	42	2	0.43	-0.39	0.10	-6.25e-02	-0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	9.96e-03
8	42	15	7.19e-02	-0.29	6.37e-02	-0.28	-5.39e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.63e-03
8	42	16	0.57	-4.14e-02	0.39	0.14	-0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	1.31e-02
8	42	17	0.21	-0.38	-4.50e-02	-0.13	-0.29	-2.75e-03	-6.69e-03	-6.17e-03	-3.27e-03	-1.34e-03
8	42	24	-0.11	-0.29	-0.11	-0.29	-1.87e-02	-1.70e-04	-5.65e-03	-5.54e-03	-2.82e-04	7.76e-04
8	42	25	1.56e-02	-0.27	-0.13	-0.13	-0.14	-2.68e-03	-5.61e-03	-5.46e-03	-2.82e-03	-6.33e-04
8	42	32	-0.21	-0.28	-0.21	-0.28	-1.26e-02	1.89e-04	-3.88e-03	-3.85e-03	1.62e-04	3.35e-04
8	42	33	-0.13	-0.15	-0.15	-0.13	-1.25e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	-1.45e-06
8	42	40	-0.25	-0.28	-0.25	-0.28	-1.25e-03	3.54e-04	-3.60e-03	-3.60e-03	3.54e-04	-7.25e-06
8	42	41	1.46e-02	-0.27	-0.13	-0.13	0.14	-2.58e-03	-5.59e-03	-5.45e-03	-2.71e-03	6.34e-04
8	42	48	-0.21	-0.28	-0.21	-0.28	1.08e-02	1.92e-04	-3.87e-03	-3.84e-03	1.66e-04	-3.24e-04
8	42	49	0.21	-0.38	-4.40e-02	-0.13	0.29	-2.74e-03	-6.65e-03	-6.12e-03	-3.27e-03	1.34e-03
8	42	56	-0.10	-0.29	-0.11	-0.29	1.88e-02	-1.66e-04	-5.63e-03	-5.52e-03	-2.79e-04	-7.79e-04
8	42	57	0.44	-0.40	0.10	-6.22e-02	0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.97e-03
8	42	64	7.27e-02	-0.29	6.38e-02	-0.28	5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.63e-03
8	42	65	0.34	-0.22	0.14	-1.82e-02	0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	1.25e-02
8	42	72	0.58	-4.40e-02	0.39	0.14	0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	-1.31e-02
8	43	1	0.31	-0.17	0.15	-1.57e-02	-0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	-1.25e-02
8	43	2	0.40	-0.36	0.11	-6.37e-02	-0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	9.88e-03
8	43	15	6.43e-02	-0.29	6.33e-02	-0.29	-1.90e-02	-6.71e-03	-3.24e-02	-2.79e-02	-1.12e-02	-9.75e-03
8	43	16	0.54	-8.14e-03	0.39	0.14	-0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	1.30e-02
8	43	17	0.17	-0.36	-4.73e-02	-0.14	-0.26	-2.86e-03	-6.94e-03	-6.47e-03	-3.33e-03	-1.30e-03
8	43	24	-0.11	-0.29	-0.11	-0.29	8.18e-03	-1.80e-04	-5.83e-03	-5.70e-03	-3.04e-04	8.28e-04
8	43	25	-6.55e-03	-0.27	-0.14	-0.14	-0.13	-2.60e-03	-5.66e-03	-5.52e-03	-2.74e-03	-6.43e-04
8	43	32	-0.21	-0.28	-0.21	-0.28	1.82e-03	3.69e-04	-3.94e-03	-3.92e-03	3.47e-04	3.09e-04
8	43	33	-0.14	-0.16	-0.16	-0.14	-1.28e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	4.18e-06
8	43	40	-0.25	-0.28	-0.25	-0.28	-1.28e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	7.99e-06
8	43	41	-7.76e-03	-0.26	-0.14	-0.14	0.13	-2.49e-03	-5.64e-03	-5.50e-03	-2.63e-03	6.50e-04
8	43	48	-0.21	-0.28	-0.21	-0.28	-3.63e-03	3.75e-04	-3.93e-03	-3.90e-03	3.52e-04	-3.15e-04
8	43	49	0.18	-0.36	-4.68e-02	-0.14	0.26	-2.83e-03	-6.88e-03	-6.40e-03	-3.32e-03	1.31e-03
8	43	56	-0.11	-0.29	-0.11	-0.29	-8.07e-03	-1.78e-04	-5.81e-03	-5.68e-03	-3.00e-04	-8.19e-04
8	43	57	0.40	-0.36	0.11	-6.35e-02	0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.90e-03
8	43	64	6.47e-02	-0.29	6.34e-02	-0.29	2.11e-02	-6.73e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.73e-03
8	43	65	0.31	-0.18	0.15	-1.57e-02	0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	1.25e-02
8	43	72	0.54	-1.07e-02	0.39	0.14	0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	-1.30e-02
8	44	1	0.34	-0.22	0.14	-1.82e-02	-0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	-1.25e-02
8	44	2	0.44	-0.40	0.10	-6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	9.97e-03
8	44	15	7.27e-02	-0.29	6.39e-02	-0.28	-5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.63e-03
8	44	16	0.58	-4.40e-02	0.39	0.14	-0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	1.31e-02
8	44	17	0.21	-0.38	-4.40e-02	-0.13	-0.29	-2.74e-03	-6.65e-03	-6.12e-03	-3.27e-03	-1.34e-03
8	44	24	-0.10	-0.29	-0.11	-0.29	-1.88e-02	-1.66e-04	-5.63e-03	-5.52e-03	-2.79e-04	7.79e-04
8	44	25	1.46e-02	-0.27	-0.13	-0.13	-0.14	-2.58e-03	-5.59e-03	-5.45e-03	-2.72e-03	-6.34e-04

8	44	32	-0.21	-0.28	-0.21	-0.28	-1.08e-02	1.92e-04	-3.87e-03	-3.84e-03	1.66e-04	3.24e-04
8	44	33	-0.13	-0.15	-0.15	-0.13	1.26e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	1.78e-06
8	44	40	-0.25	-0.28	-0.25	-0.28	1.26e-03	3.54e-04	-3.60e-03	-3.60e-03	3.54e-04	7.53e-06
8	44	41	1.56e-02	-0.27	-0.13	-0.13	0.14	-2.68e-03	-5.60e-03	-5.46e-03	-2.82e-03	6.33e-04
8	44	48	-0.21	-0.28	-0.21	-0.28	1.26e-02	1.89e-04	-3.88e-03	-3.85e-03	1.62e-04	-3.35e-04
8	44	49	0.21	-0.38	-4.50e-02	-0.13	0.29	-2.75e-03	-6.69e-03	-6.17e-03	-3.27e-03	1.34e-03
8	44	56	-0.11	-0.29	-0.11	-0.29	1.87e-02	-1.70e-04	-5.65e-03	-5.54e-03	-2.83e-04	-7.77e-04
8	44	57	0.43	-0.39	0.10	-6.25e-02	0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.96e-03
8	44	64	7.19e-02	-0.29	6.37e-02	-0.28	5.39e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.63e-03
8	44	65	0.33	-0.22	0.14	-1.82e-02	0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	1.25e-02
8	44	72	0.57	-4.14e-02	0.39	0.14	0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	-1.31e-02
8	45	1	0.31	-0.17	0.15	-1.57e-02	-0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	-1.25e-02
8	45	2	0.40	-0.36	0.11	-6.37e-02	-0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	9.89e-03
8	45	15	6.43e-02	-0.29	6.33e-02	-0.29	-1.90e-02	-6.72e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.74e-03
8	45	16	0.54	-8.15e-03	0.39	0.14	-0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	1.30e-02
8	45	17	0.17	-0.36	-4.75e-02	-0.14	-0.26	-2.85e-03	-6.93e-03	-6.46e-03	-3.32e-03	-1.31e-03
8	45	24	-0.11	-0.29	-0.11	-0.29	8.21e-03	-1.81e-04	-5.83e-03	-5.70e-03	-3.04e-04	8.22e-04
8	45	25	-6.66e-03	-0.27	-0.14	-0.14	-0.13	-2.59e-03	-5.65e-03	-5.51e-03	-2.74e-03	-6.46e-04
8	45	32	-0.21	-0.28	-0.21	-0.28	1.83e-03	3.71e-04	-3.94e-03	-3.91e-03	3.47e-04	3.18e-04
8	45	33	-0.14	-0.16	-0.16	-0.14	-1.26e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	-1.78e-06
8	45	40	-0.25	-0.28	-0.25	-0.28	-1.26e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	-7.53e-06
8	45	41	-7.66e-03	-0.26	-0.14	-0.14	0.13	-2.49e-03	-5.64e-03	-5.51e-03	-2.63e-03	6.47e-04
8	45	48	-0.21	-0.28	-0.21	-0.28	-3.62e-03	3.74e-04	-3.93e-03	-3.90e-03	3.52e-04	-3.06e-04
8	45	49	0.18	-0.36	-4.65e-02	-0.14	0.26	-2.84e-03	-6.89e-03	-6.41e-03	-3.32e-03	1.31e-03
8	45	56	-0.11	-0.29	-0.11	-0.29	-8.05e-03	-1.77e-04	-5.81e-03	-5.69e-03	-3.00e-04	-8.24e-04
8	45	57	0.40	-0.36	0.11	-6.34e-02	0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.90e-03
8	45	64	6.47e-02	-0.29	6.34e-02	-0.29	2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.74e-03
8	45	65	0.31	-0.18	0.15	-1.57e-02	0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	1.25e-02
8	45	72	0.54	-1.07e-02	0.39	0.14	0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	-1.30e-02
8	46	1	0.34	-0.22	0.14	-1.82e-02	-0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	-1.25e-02
8	46	2	0.43	-0.40	0.10	-6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	9.98e-03
8	46	15	7.27e-02	-0.29	6.38e-02	-0.28	-5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.62e-03
8	46	16	0.58	-4.40e-02	0.39	0.14	-0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	1.31e-02
8	46	17	0.21	-0.38	-4.42e-02	-0.13	-0.29	-2.73e-03	-6.64e-03	-6.11e-03	-3.26e-03	-1.34e-03
8	46	24	-0.10	-0.29	-0.11	-0.29	-1.88e-02	-1.67e-04	-5.63e-03	-5.52e-03	-2.79e-04	7.73e-04
8	46	25	1.45e-02	-0.27	-0.13	-0.13	-0.14	-2.57e-03	-5.59e-03	-5.44e-03	-2.71e-03	-6.37e-04
8	46	32	-0.21	-0.28	-0.21	-0.28	-1.08e-02	1.94e-04	-3.87e-03	-3.87e-03	1.67e-04	3.32e-04
8	46	33	-0.13	-0.15	-0.15	-0.13	1.28e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	-4.18e-06
8	46	40	-0.25	-0.28	-0.25	-0.28	1.28e-03	3.54e-04	-3.60e-03	-3.60e-03	3.54e-04	-7.99e-06
8	46	41	1.57e-02	-0.27	-0.13	-0.13	0.14	-2.68e-03	-5.61e-03	-5.47e-03	-2.83e-03	6.30e-04
8	46	48	-0.21	-0.28	-0.21	-0.28	1.26e-02	1.88e-04	-3.88e-03	-3.85e-03	1.61e-04	-3.26e-04
8	46	49	0.21	-0.38	-4.48e-02	-0.13	0.29	-2.76e-03	-6.70e-03	-6.18e-03	-3.27e-03	1.33e-03
8	46	56	-0.11	-0.29	-0.11	-0.29	1.87e-02	-1.69e-04	-5.65e-03	-5.54e-03	-2.83e-04	-7.82e-04
8	46	57	0.43	-0.39	0.10	-6.25e-02	0.41	9.46e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.96e-03
8	46	64	7.19e-02	-0.29	6.37e-02	-0.28	5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.64e-03
8	46	65	0.33	-0.22	0.14	-1.82e-02	0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	1.25e-02
8	46	72	0.57	-4.14e-02	0.39	0.14	0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	-1.31e-02
8	47	1	0.31	-0.18	0.15	-1.57e-02	-0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	-1.25e-02
8	47	2	0.40	-0.36	0.11	-6.34e-02	-0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	9.90e-03
8	47	15	6.47e-02	-0.29	6.34e-02	-0.29	-2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	-9.74e-03
8	47	16	0.54	-1.07e-02	0.39	0.14	-0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	1.30e-02
8	47	17	0.18	-0.36	-4.66e-02	-0.14	-0.26	-2.84e-03	-6.89e-03	-6.41e-03	-3.32e-03	-1.31e-03
8	47	24	-0.11	-0.29	-0.11	-0.29	8.08e-03	-1.79e-04	-5.81e-03	-5.69e-03	-3.01e-04	8.19e-04
8	47	25	-7.68e-03	-0.26	-0.14	-0.14	-0.13	-2.49e-03	-5.64e-03	-5.50e-03	-2.63e-03	-6.50e-04
8	47	32	-0.21	-0.28	-0.21	-0.28	3.65e-03	3.75e-04	-3.93e-03	-3.90e-03	3.52e-04	3.15e-04
8	47	33	-0.14	-0.16	-0.16	-0.14	1.29e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	-3.80e-06
8	47	40	-0.25	-0.28	-0.25	-0.28	1.29e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	-8.00e-06
8	47	41	-6.64e-03	-0.27	-0.14	-0.14	0.13	-2.60e-03	-5.65e-03	-5.51e-03	-2.74e-03	6.44e-04
8	47	48	-0.21	-0.28	-0.21	-0.28	-1.82e-03	3.69e-04	-3.94e-03	-3.92e-03	3.47e-04	-3.09e-04
8	47	49	0.17	-0.36	-4.75e-02	-0.14	0.26	-2.85e-03	-6.93e-03	-6.46e-03	-3.32e-03	1.30e-03
8	47	56	-0.11	-0.29	-0.11	-0.29	-8.18e-03	-1.80e-04	-5.83e-03	-5.70e-03	-3.04e-04	-8.27e-04
8	47	57	0.40	-0.36	0.11	-6.37e-02	0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.88e-03
8	47	64	6.43e-02	-0.29	6.33e-02	-0.29	1.90e-02	-6.72e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.75e-03
8	47	65	0.31	-0.17	0.15	-1.57e-02	0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	1.25e-02
8	47	72	0.54	-8.16e-03	0.39	0.14	0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	-1.30e-02
8	48	1	0.33	-0.22	0.14	-1.82e-02	-0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	-1.25e-02
8	48	2	0.43	-0.39	0.10	-6.25e-02	-0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	9.96e-03
8	48	15	7.19e-02	-0.29	6.37e-02	-0.28	-5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.64e-03
8	48	16	0.57	-4.13e-02	0.39	0.14	-0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	1.31e-02
8	48	17	0.21	-0.38	-4.48e-02	-0.13	-0.29	-2.75e-03	-6.70e-03	-6.18e-03	-3.27e-03	-1.34e-03
8	48	24	-0.11	-0.29	-0.11	-0.29	-1.87e-02	-1.70e-04	-5.65e-03	-5.54e-03	-2.82e-04	7.77e-04
8	48	25	1.57e-02	-0.27	-0.13	-0.13	-0.14	-2.68e-03	-5.62e-03	-5.47e-03	-2.83e-03	-6.33e-04
8	48	32	-0.21	-0.28	-0.21	-0.28	-1.26e-02	1.89e-04	-3.88e-03	-3.85e-03	1.61e-04	3.35e-04
8	48	33	-0.13	-0.15	-0.15	-0.13	-1.24e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	
8	48	40	-0.25	-0.28	-0.25	-0.28	-1.24e-03	3.54e-04	-3.60e-03	-3.60e-03	3.54e-04	-6.96e-06
8	48	41	1.45e-02	-0.27	-0.13	-0.13	0.14	-2.57e-03	-5.58e-03	-5.44e-03	-2.71e-03	6.34e-04
8	48	48	-0.21	-0.28	-0.21	-0.28	1.08e-02	1.93e-04	-3.87e-03	-3.84e-03	1.67e-04	-3.24e-04

8	48	49	0.21	-0.38	-4.42e-02	-0.13	0.29	-2.73e-03	-6.64e-03	-6.11e-03	-3.26e-03	1.34e-03
8	48	56	-0.10	-0.29	-0.11	-0.29	1.88e-02	-1.66e-04	-5.63e-03	-5.52e-03	-2.79e-04	-7.79e-04
8	48	57	0.44	-0.40	0.10	-6.22e-02	0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.98e-03
8	48	64	7.26e-02	-0.29	6.38e-02	-0.28	5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.62e-03
8	48	65	0.34	-0.22	0.14	-1.82e-02	0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	1.25e-02
8	48	72	0.58	-4.40e-02	0.39	0.14	0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	-1.31e-02
8	49	1	0.31	-0.18	0.15	-1.57e-02	-0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	-1.25e-02
8	49	2	0.40	-0.36	0.11	-6.34e-02	-0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	9.90e-03
8	49	15	6.47e-02	-0.29	6.34e-02	-0.29	-2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	-9.73e-03
8	49	16	0.54	-1.08e-02	0.39	0.14	-0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	1.30e-02
8	49	17	0.18	-0.36	-4.68e-02	-0.14	-0.26	-2.84e-03	-6.88e-03	-6.40e-03	-3.32e-03	-1.31e-03
8	49	24	-0.11	-0.29	-0.11	-0.29	8.06e-03	-1.77e-04	-5.81e-03	-5.69e-03	-3.01e-04	8.24e-04
8	49	25	-7.75e-03	-0.26	-0.14	-0.14	-0.13	-2.49e-03	-5.63e-03	-5.49e-03	-2.63e-03	-6.47e-04
8	49	32	-0.21	-0.28	-0.21	-0.28	3.62e-03	3.74e-04	-3.92e-03	-3.90e-03	3.52e-04	3.06e-04
8	49	33	-0.14	-0.16	-0.16	-0.14	1.24e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	
8	49	40	-0.25	-0.28	-0.25	-0.28	1.24e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	6.96e-06
8	49	41	-6.58e-03	-0.27	-0.14	-0.14	0.13	-2.60e-03	-5.66e-03	-5.52e-03	-2.74e-03	6.46e-04
8	49	48	-0.21	-0.28	-0.21	-0.28	-1.85e-03	3.70e-04	-3.94e-03	-3.92e-03	3.47e-04	-3.17e-04
8	49	49	0.17	-0.36	-4.73e-02	-0.14	0.26	-2.86e-03	-6.94e-03	-6.47e-03	-3.33e-03	1.31e-03
8	49	56	-0.11	-0.29	-0.11	-0.29	-8.22e-03	-1.81e-04	-5.83e-03	-5.70e-03	-3.04e-04	-8.22e-04
8	49	57	0.40	-0.36	0.11	-6.37e-02	0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.89e-03
8	49	64	6.43e-02	-0.29	6.33e-02	-0.29	1.90e-02	-6.71e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.75e-03
8	49	65	0.31	-0.17	0.15	-1.57e-02	0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	1.25e-02
8	49	72	0.54	-8.15e-03	0.39	0.14	0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	-1.30e-02
8	50	1	0.33	-0.22	0.14	-1.82e-02	-0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	-1.25e-02
8	50	2	0.43	-0.39	0.10	-6.25e-02	-0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	9.96e-03
8	50	15	7.19e-02	-0.29	6.37e-02	-0.28	-5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.64e-03
8	50	16	0.57	-4.14e-02	0.39	0.14	-0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	1.31e-02
8	50	17	0.21	-0.38	-4.50e-02	-0.13	-0.29	-2.75e-03	-6.69e-03	-6.17e-03	-3.27e-03	-1.33e-03
8	50	24	-0.11	-0.29	-0.11	-0.29	-1.87e-02	-1.68e-04	-5.65e-03	-5.54e-03	-2.82e-04	7.82e-04
8	50	25	1.56e-02	-0.27	-0.13	-0.13	-0.14	-2.68e-03	-5.60e-03	-5.46e-03	-2.82e-03	-6.30e-04
8	50	32	-0.21	-0.28	-0.21	-0.28	-1.26e-02	1.88e-04	-3.88e-03	-3.85e-03	1.62e-04	3.27e-04
8	50	33	-0.13	-0.15	-0.15	-0.13	-1.29e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	3.80e-06
8	50	40	-0.25	-0.28	-0.25	-0.28	-1.29e-03	3.54e-04	-3.60e-03	-3.60e-03	3.54e-04	8.00e-06
8	50	41	1.46e-02	-0.27	-0.13	-0.13	0.14	-2.57e-03	-5.59e-03	-5.45e-03	-2.71e-03	6.36e-04
8	50	48	-0.21	-0.28	-0.21	-0.28	1.08e-02	1.94e-04	-3.87e-03	-3.84e-03	1.67e-04	-3.32e-04
8	50	49	0.21	-0.38	-4.40e-02	-0.13	0.29	-2.74e-03	-6.65e-03	-6.12e-03	-3.27e-03	1.34e-03
8	50	56	-0.10	-0.29	-0.11	-0.29	1.88e-02	-1.68e-04	-5.63e-03	-5.52e-03	-2.79e-04	-7.74e-04
8	50	57	0.44	-0.40	0.10	-6.22e-02	0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.98e-03
8	50	64	7.26e-02	-0.29	6.38e-02	-0.28	5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.62e-03
8	50	65	0.34	-0.22	0.14	-1.82e-02	0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	1.25e-02
8	50	72	0.58	-4.40e-02	0.39	0.14	0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	-1.31e-02
8	51	1	0.31	-0.17	0.15	-1.57e-02	-0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	-1.25e-02
8	51	2	0.40	-0.36	0.11	-6.37e-02	-0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	9.89e-03
8	51	15	6.43e-02	-0.29	6.33e-02	-0.29	-1.90e-02	-6.71e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.75e-03
8	51	16	0.54	-8.14e-03	0.39	0.14	-0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	1.30e-02
8	51	17	0.17	-0.36	-4.73e-02	-0.14	-0.26	-2.86e-03	-6.94e-03	-6.47e-03	-3.33e-03	-1.31e-03
8	51	24	-0.11	-0.29	-0.11	-0.29	8.21e-03	-1.82e-04	-5.83e-03	-5.70e-03	-3.04e-04	8.23e-04
8	51	25	-6.57e-03	-0.27	-0.14	-0.14	-0.13	-2.60e-03	-5.66e-03	-5.52e-03	-2.74e-03	-6.46e-04
8	51	32	-0.21	-0.28	-0.21	-0.28	1.84e-03	3.70e-04	-3.94e-03	-3.92e-03	3.47e-04	3.17e-04
8	51	33	-0.14	-0.16	-0.16	-0.14	-1.24e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	-1.07e-06
8	51	40	-0.25	-0.28	-0.25	-0.28	-1.24e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	-7.25e-06
8	51	41	-7.74e-03	-0.26	-0.14	-0.14	0.13	-2.49e-03	-5.63e-03	-5.50e-03	-2.63e-03	6.47e-04
8	51	48	-0.21	-0.28	-0.21	-0.28	-3.61e-03	3.74e-04	-3.93e-03	-3.90e-03	3.52e-04	-3.06e-04
8	51	49	0.18	-0.36	-4.67e-02	-0.14	0.26	-2.84e-03	-6.88e-03	-6.40e-03	-3.32e-03	1.31e-03
8	51	56	-0.11	-0.29	-0.11	-0.29	-8.04e-03	-1.77e-04	-5.81e-03	-5.69e-03	-3.00e-04	-8.24e-04
8	51	57	0.40	-0.36	0.11	-6.34e-02	0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.90e-03
8	51	64	6.47e-02	-0.29	6.34e-02	-0.29	2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.73e-03
8	51	65	0.31	-0.18	0.15	-1.57e-02	0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	1.25e-02
8	51	72	0.54	-1.07e-02	0.39	0.14	0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	-1.30e-02
8	52	1	0.34	-0.22	0.14	-1.82e-02	-0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	-1.25e-02
8	52	2	0.44	-0.40	0.10	-6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	9.98e-03
8	52	15	7.27e-02	-0.29	6.39e-02	-0.28	-5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.63e-03
8	52	16	0.58	-4.40e-02	0.39	0.14	-0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	1.31e-02
8	52	17	0.21	-0.38	-4.40e-02	-0.13	-0.29	-2.74e-03	-6.65e-03	-6.12e-03	-3.27e-03	-1.34e-03
8	52	24	-0.10	-0.29	-0.11	-0.29	-1.88e-02	-1.67e-04	-5.63e-03	-5.52e-03	-2.79e-04	7.73e-04
8	52	25	1.45e-02	-0.27	-0.13	-0.13	-0.14	-2.57e-03	-5.60e-03	-5.45e-03	-2.72e-03	-6.37e-04
8	52	32	-0.21	-0.28	-0.21	-0.28	-1.08e-02	1.94e-04	-3.87e-03	-3.84e-03	1.66e-04	3.32e-04
8	52	33	-0.13	-0.15	-0.15	-0.13	1.30e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	-3.46e-06
8	52	40	-0.25	-0.28	-0.25	-0.28	1.30e-03	3.54e-04	-3.60e-03	-3.60e-03	3.54e-04	-7.71e-06
8	52	41	1.56e-02	-0.27	-0.13	-0.13	0.14	-2.68e-03	-5.60e-03	-5.46e-03	-2.82e-03	6.30e-04
8	52	48	-0.21	-0.28	-0.21	-0.28	1.26e-02	1.88e-04	-3.88e-03	-3.85e-03	1.62e-04	-3.27e-04
8	52	49	0.21	-0.38	-4.50e-02	-0.13	0.29	-2.75e-03	-6.69e-03	-6.17e-03	-3.27e-03	1.33e-03
8	52	56	-0.11	-0.29	-0.11	-0.29	1.87e-02	-1.69e-04	-5.65e-03	-5.54e-03	-2.83e-04	-7.82e-04
8	52	57	0.43	-0.39	0.10	-6.25e-02	0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.96e-03
8	52	64	7.19e-02	-0.29	6.37e-02	-0.28	5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.64e-03
8	52	65	0.33	-0.22	0.14	-1.82e-02	0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	1.25e-02

8	52	72	0.57	-4.14e-02	0.39	0.14	0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	-1.31e-02
8	53	1	0.31	-0.17	0.15	-1.57e-02	-0.23	7.63e-02	1.66e-02	7.35e-02	1.93e-02	-1.25e-02
8	53	2	0.40	-0.36	0.11	-6.37e-02	-0.37	9.41e-03	-2.36e-02	-2.03e-02	6.12e-03	9.88e-03
8	53	15	6.43e-02	-0.29	6.33e-02	-0.29	-1.90e-02	-6.72e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.75e-03
8	53	16	0.54	-8.15e-03	0.39	0.14	-0.24	7.95e-02	1.06e-02	7.69e-02	1.31e-02	1.30e-02
8	53	17	0.17	-0.36	-4.75e-02	-0.14	-0.26	-2.85e-03	-6.93e-03	-6.46e-03	-3.32e-03	-1.30e-03
8	53	24	-0.11	-0.29	-0.11	-0.29	8.18e-03	-1.80e-04	-5.83e-03	-5.70e-03	-3.04e-04	8.28e-04
8	53	25	-6.64e-03	-0.27	-0.14	-0.14	-0.13	-2.60e-03	-5.65e-03	-5.51e-03	-2.74e-03	-6.43e-04
8	53	32	-0.21	-0.28	-0.21	-0.28	1.81e-03	3.69e-04	-3.94e-03	-3.92e-03	3.47e-04	3.09e-04
8	53	33	-0.14	-0.16	-0.16	-0.14	-1.30e-03	-2.77e-03	-5.70e-03	-5.70e-03	-2.77e-03	3.46e-06
8	53	40	-0.25	-0.28	-0.25	-0.28	-1.30e-03	5.40e-04	-3.83e-03	-3.83e-03	5.40e-04	7.71e-06
8	53	41	-7.68e-03	-0.26	-0.14	-0.14	0.13	-2.49e-03	-5.65e-03	-5.51e-03	-2.63e-03	6.50e-04
8	53	48	-0.21	-0.28	-0.21	-0.28	-3.64e-03	3.75e-04	-3.93e-03	-3.90e-03	3.52e-04	-3.15e-04
8	53	49	0.18	-0.36	-4.65e-02	-0.14	0.26	-2.84e-03	-6.89e-03	-6.41e-03	-3.32e-03	1.31e-03
8	53	56	-0.11	-0.29	-0.11	-0.29	-8.08e-03	-1.78e-04	-5.81e-03	-5.69e-03	-3.00e-04	-8.19e-04
8	53	57	0.40	-0.36	0.11	-6.34e-02	0.37	9.42e-03	-2.36e-02	-2.03e-02	6.12e-03	-9.90e-03
8	53	64	6.47e-02	-0.29	6.34e-02	-0.29	2.11e-02	-6.72e-03	-3.23e-02	-2.78e-02	-1.12e-02	9.74e-03
8	53	65	0.31	-0.18	0.15	-1.57e-02	0.23	7.62e-02	1.65e-02	7.34e-02	1.93e-02	1.25e-02
8	53	72	0.54	-1.07e-02	0.39	0.14	0.25	7.94e-02	1.05e-02	7.69e-02	1.31e-02	-1.30e-02
8	54	1	0.34	-0.22	0.14	-1.82e-02	-0.27	7.54e-02	1.64e-02	7.26e-02	1.91e-02	-1.25e-02
8	54	2	0.44	-0.40	0.10	-6.22e-02	-0.41	9.48e-03	-2.37e-02	-2.03e-02	6.14e-03	9.98e-03
8	54	15	7.27e-02	-0.29	6.38e-02	-0.28	-5.60e-02	-6.81e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.62e-03
8	54	16	0.58	-4.40e-02	0.39	0.14	-0.28	7.89e-02	1.04e-02	7.63e-02	1.30e-02	1.31e-02
8	54	17	0.21	-0.38	-4.42e-02	-0.13	-0.29	-2.73e-03	-6.64e-03	-6.11e-03	-3.26e-03	-1.34e-03
8	54	24	-0.10	-0.29	-0.11	-0.29	-1.88e-02	-1.66e-04	-5.63e-03	-5.52e-03	-2.79e-04	7.78e-04
8	54	25	1.45e-02	-0.27	-0.13	-0.13	-0.14	-2.57e-03	-5.58e-03	-5.44e-03	-2.71e-03	-6.34e-04
8	54	32	-0.21	-0.28	-0.21	-0.28	-1.08e-02	1.92e-04	-3.87e-03	-3.84e-03	1.66e-04	3.24e-04
8	54	33	-0.13	-0.15	-0.15	-0.13	1.24e-03	-2.76e-03	-5.39e-03	-5.39e-03	-2.76e-03	1.07e-06
8	54	40	-0.25	-0.28	-0.25	-0.28	1.24e-03	3.54e-04	-3.60e-03	-3.60e-03	3.54e-04	7.25e-06
8	54	41	1.57e-02	-0.27	-0.13	-0.13	0.14	-2.68e-03	-5.61e-03	-5.47e-03	-2.83e-03	6.33e-04
8	54	48	-0.21	-0.28	-0.21	-0.28	1.26e-02	1.89e-04	-3.88e-03	-3.85e-03	1.61e-04	-3.35e-04
8	54	49	0.21	-0.38	-4.48e-02	-0.13	0.29	-2.75e-03	-6.70e-03	-6.18e-03	-3.27e-03	1.34e-03
8	54	56	-0.11	-0.29	-0.11	-0.29	1.87e-02	-1.70e-04	-5.65e-03	-5.51e-03	-2.83e-04	-7.77e-04
8	54	57	0.43	-0.39	0.10	-6.25e-02	0.41	9.47e-03	-2.37e-02	-2.03e-02	6.14e-03	-9.96e-03
8	54	64	7.19e-02	-0.29	6.37e-02	-0.28	5.39e-02	-6.80e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.64e-03
8	54	65	0.33	-0.22	0.14	-1.82e-02	0.26	7.55e-02	1.64e-02	7.27e-02	1.92e-02	1.25e-02
8	54	72	0.57	-4.14e-02	0.39	0.14	0.28	7.90e-02	1.04e-02	7.64e-02	1.30e-02	-1.31e-02
8	55	1	0.29	-0.13	0.17	-1.27e-02	-0.19	7.71e-02	1.67e-02	7.43e-02	1.95e-02	-1.26e-02
8	55	2	0.37	-0.32	0.12	-6.45e-02	-0.33	9.37e-03	-2.35e-02	-2.03e-02	6.10e-03	9.83e-03
8	55	15	6.38e-02	-0.29	6.30e-02	-0.29	1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.85e-03
8	55	16	0.51	2.39e-02	0.39	0.14	-0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	1.30e-02
8	55	17	0.14	-0.33	-4.87e-02	-0.14	-0.23	-2.93e-03	-7.12e-03	-6.68e-03	-3.37e-03	-1.28e-03
8	55	24	-0.10	-0.31	-0.11	-0.30	3.93e-02	-1.88e-04	-5.99e-03	-5.86e-03	-3.22e-04	8.72e-04
8	55	25	-3.49e-02	-0.25	-0.15	-0.14	-0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	-6.67e-04
8	55	32	-0.21	-0.30	-0.21	-0.29	2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	2.85e-04
8	55	33	-0.15	-0.18	-0.18	-0.15	4.22e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	-4.23e-06
8	55	40	-0.25	-0.29	-0.25	-0.29	4.22e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	
8	55	41	-3.13e-02	-0.26	-0.15	-0.15	0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	6.57e-04
8	55	48	-0.21	-0.30	-0.21	-0.29	-1.66e-02	5.76e-04	-4.02e-03	-4.00e-03	5.57e-04	-2.97e-04
8	55	49	0.14	-0.34	-5.12e-02	-0.15	0.23	-2.99e-03	-7.29e-03	-6.87e-03	-3.40e-03	1.27e-03
8	55	56	-0.10	-0.31	-0.11	-0.30	-3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.32e-04	-8.81e-04
8	55	57	0.36	-0.31	0.12	-6.54e-02	0.33	9.33e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.78e-03
8	55	64	6.43e-02	-0.29	6.26e-02	-0.29	-2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.89e-03
8	55	65	0.28	-0.13	0.16	-1.29e-02	0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	1.26e-02
8	55	72	0.50	3.22e-02	0.39	0.14	0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	-1.29e-02
8	56	1	0.36	-0.26	0.12	-2.12e-02	-0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	-1.25e-02
8	56	2	0.47	-0.44	9.13e-02	-6.14e-02	-0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	1.00e-02
8	56	15	8.71e-02	-0.30	6.41e-02	-0.28	-9.21e-02	-6.89e-03	-3.23e-02	-2.80e-02	-1.12e-02	-9.53e-03
8	56	16	0.61	-7.78e-02	0.39	0.14	-0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	1.31e-02
8	56	17	0.24	-0.41	-4.27e-02	-0.12	-0.32	-2.65e-03	-6.48e-03	-5.90e-03	-3.22e-03	-1.36e-03
8	56	24	-9.27e-02	-0.29	-0.11	-0.28	-4.99e-02	-1.58e-04	-5.46e-03	-5.36e-03	-2.61e-04	7.30e-04
8	56	25	4.29e-02	-0.28	-0.12	-0.12	-0.16	-2.91e-03	-5.58e-03	-5.43e-03	-3.05e-03	-6.11e-04
8	56	32	-0.20	-0.29	-0.21	-0.27	-3.16e-02	-2.76e-05	-3.83e-03	-3.80e-03	-6.07e-05	3.53e-04
8	56	33	-0.12	-0.14	-0.14	-0.12	-4.22e-03	-2.76e-03	-5.03e-03	-5.03e-03	-2.76e-03	6.02e-06
8	56	40	-0.24	-0.27	-0.24	-0.27	-4.22e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	4.05e-06
8	56	41	3.92e-02	-0.28	-0.12	-0.12	0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.68e-03	6.24e-04
8	56	48	-0.20	-0.28	-0.21	-0.27	2.56e-02	-1.15e-05	-3.79e-03	-3.75e-03	-4.37e-05	-3.47e-04
8	56	49	0.24	-0.40	-4.03e-02	-0.12	0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	1.38e-03
8	56	56	-9.14e-02	-0.29	-0.11	-0.28	5.04e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.51e-04	-7.18e-04
8	56	57	0.47	-0.44	9.28e-02	-6.05e-02	0.45	9.57e-03	-2.37e-02	-2.03e-02	6.16e-03	-1.01e-02
8	56	64	9.10e-02	-0.31	6.45e-02	-0.28	9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	9.48e-03
8	56	65	0.37	-0.27	0.12	-2.11e-02	0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	1.25e-02
8	56	72	0.62	-8.68e-02	0.39	0.14	0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	-1.31e-02
8	57	1	0.29	-0.13	0.17	-1.27e-02	-0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	-1.26e-02
8	57	2	0.37	-0.32	0.12	-6.46e-02	-0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	9.83e-03
8	57	15	6.38e-02	-0.29	6.30e-02	-0.29	1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.85e-03
8	57	16	0.51	2.39e-02	0.39	0.14	-0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	1.29e-02

8	57	17	0.14	-0.33	-4.88e-02	-0.14	-0.23	-2.93e-03	-7.11e-03	-6.68e-03	-3.37e-03	-1.28e-03
8	57	24	-0.10	-0.31	-0.11	-0.30	3.93e-02	-1.88e-04	-5.99e-03	-5.86e-03	-3.22e-04	8.70e-04
8	57	25	-3.50e-02	-0.25	-0.15	-0.14	-0.11	-2.26e-03	-5.67e-03	-5.54e-03	-2.40e-03	-6.68e-04
8	57	32	-0.21	-0.30	-0.21	-0.29	2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	2.88e-04
8	57	33	-0.15	-0.18	-0.18	-0.15	4.22e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	-6.02e-06
8	57	40	-0.25	-0.29	-0.25	-0.29	4.22e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	-4.05e-06
8	57	41	-3.12e-02	-0.26	-0.15	-0.15	0.11	-2.62e-03	-5.74e-03	-5.60e-03	-2.77e-03	6.56e-04
8	57	48	-0.21	-0.30	-0.21	-0.29	-1.66e-02	5.76e-04	-4.02e-03	-4.00e-03	5.57e-04	-2.94e-04
8	57	49	0.14	-0.34	-5.12e-02	-0.15	0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	1.26e-03
8	57	56	-0.10	-0.31	-0.11	-0.30	-3.97e-02	-1.96e-04	-6.06e-03	-5.92e-03	-3.32e-04	-8.82e-04
8	57	57	0.36	-0.31	0.12	-6.54e-02	0.33	9.32e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.78e-03
8	57	64	6.43e-02	-0.29	6.26e-02	-0.29	-2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.89e-03
8	57	65	0.28	-0.13	0.16	-1.29e-02	0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	1.26e-02
8	57	72	0.50	3.22e-02	0.39	0.14	0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	-1.29e-02
8	58	1	0.36	-0.26	0.12	-2.12e-02	-0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	-1.25e-02
8	58	2	0.47	-0.44	9.12e-02	-6.14e-02	-0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	1.00e-02
8	58	15	8.71e-02	-0.30	6.41e-02	-0.28	-9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	-9.52e-03
8	58	16	0.61	-7.78e-02	0.39	0.14	-0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	1.31e-02
8	58	17	0.24	-0.41	-4.28e-02	-0.12	-0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	-1.36e-03
8	58	24	-9.27e-02	-0.29	-0.11	-0.28	-4.99e-02	-1.59e-04	-5.46e-03	-5.36e-03	-2.61e-04	7.29e-04
8	58	25	4.28e-02	-0.28	-0.12	-0.12	-0.16	-2.90e-03	-5.57e-03	-5.43e-03	-3.05e-03	-6.12e-04
8	58	32	-0.20	-0.29	-0.21	-0.27	-3.16e-02	-2.70e-05	-3.83e-03	-3.80e-03	-6.06e-05	3.56e-04
8	58	33	-0.12	-0.14	-0.14	-0.12	-4.22e-03	-2.76e-03	-5.03e-03	-5.03e-03	-2.76e-03	4.23e-06
8	58	40	-0.24	-0.27	-0.24	-0.27	-4.22e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	
8	58	41	3.92e-02	-0.28	-0.12	-0.12	0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.68e-03	6.23e-04
8	58	48	-0.20	-0.28	-0.21	-0.27	2.56e-02	-1.20e-05	-3.79e-03	-3.75e-03	-4.38e-05	-3.45e-04
8	58	49	0.24	-0.40	-4.03e-02	-0.12	0.32	-2.58e-03	-6.31e-03	-5.71e-03	-3.19e-03	1.38e-03
8	58	56	-9.14e-02	-0.29	-0.11	-0.28	5.04e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.51e-04	-7.20e-04
8	58	57	0.47	-0.44	9.29e-02	-6.05e-02	0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	-1.01e-02
8	58	64	9.10e-02	-0.31	6.45e-02	-0.28	9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	9.48e-03
8	58	65	0.37	-0.27	0.12	-2.11e-02	0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	1.25e-02
8	58	72	0.62	-8.68e-02	0.39	0.14	0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	-1.31e-02
8	59	1	0.29	-0.13	0.17	-1.27e-02	-0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	-1.26e-02
8	59	2	0.37	-0.32	0.12	-6.46e-02	-0.33	9.37e-03	-2.35e-02	-2.03e-02	6.10e-03	9.83e-03
8	59	15	6.38e-02	-0.29	6.30e-02	-0.29	1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.85e-03
8	59	16	0.51	2.39e-02	0.39	0.14	-0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	1.29e-02
8	59	17	0.14	-0.33	-4.87e-02	-0.14	-0.23	-2.93e-03	-7.12e-03	-6.68e-03	-3.37e-03	-1.28e-03
8	59	24	-0.10	-0.31	-0.11	-0.30	3.93e-02	-1.89e-04	-5.99e-03	-5.86e-03	-3.22e-04	8.71e-04
8	59	25	-3.49e-02	-0.25	-0.15	-0.14	-0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	-6.68e-04
8	59	32	-0.21	-0.30	-0.21	-0.29	2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	2.88e-04
8	59	33	-0.15	-0.18	-0.18	-0.15	4.23e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	-5.80e-06
8	59	40	-0.25	-0.29	-0.25	-0.29	4.23e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	-3.96e-06
8	59	41	-3.13e-02	-0.26	-0.15	-0.15	0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	6.56e-04
8	59	48	-0.21	-0.30	-0.21	-0.29	-1.66e-02	5.76e-04	-4.02e-03	-4.00e-03	5.57e-04	-2.94e-04
8	59	49	0.14	-0.34	-5.12e-02	-0.15	0.23	-2.99e-03	-7.28e-03	-6.87e-03	-3.40e-03	1.26e-03
8	59	56	-0.10	-0.31	-0.11	-0.30	-3.97e-02	-1.96e-04	-6.06e-03	-5.92e-03	-3.32e-04	-8.82e-04
8	59	57	0.36	-0.31	0.12	-6.54e-02	0.33	9.32e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.78e-03
8	59	64	6.43e-02	-0.29	6.26e-02	-0.29	-2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.89e-03
8	59	65	0.28	-0.13	0.16	-1.29e-02	0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	1.26e-02
8	59	72	0.50	3.22e-02	0.39	0.14	0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	-1.29e-02
8	60	1	0.36	-0.26	0.12	-2.12e-02	-0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	-1.25e-02
8	60	2	0.47	-0.44	9.13e-02	-6.14e-02	-0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	1.00e-02
8	60	15	8.71e-02	-0.30	6.41e-02	-0.28	-9.21e-02	-6.89e-03	-3.23e-02	-2.80e-02	-1.12e-02	-9.53e-03
8	60	16	0.61	-7.78e-02	0.39	0.14	-0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	1.31e-02
8	60	17	0.24	-0.41	-4.27e-02	-0.12	-0.32	-2.65e-03	-6.48e-03	-5.90e-03	-3.22e-03	-1.36e-03
8	60	24	-9.27e-02	-0.29	-0.11	-0.28	-4.99e-02	-1.59e-04	-5.46e-03	-5.36e-03	-2.61e-04	7.29e-04
8	60	25	4.29e-02	-0.28	-0.12	-0.12	-0.16	-2.91e-03	-5.58e-03	-5.43e-03	-3.05e-03	-6.12e-04
8	60	32	-0.20	-0.29	-0.21	-0.27	-3.16e-02	-2.71e-05	-3.83e-03	-3.80e-03	-6.07e-05	3.56e-04
8	60	33	-0.12	-0.14	-0.14	-0.12	-4.21e-03	-2.76e-03	-5.03e-03	-5.03e-03	-2.76e-03	4.44e-06
8	60	40	-0.24	-0.27	-0.24	-0.27	-4.21e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	
8	60	41	3.92e-02	-0.28	-0.12	-0.12	0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.68e-03	6.23e-04
8	60	48	-0.20	-0.28	-0.21	-0.27	2.56e-02	-1.20e-05	-3.79e-03	-3.75e-03	-4.37e-05	-3.45e-04
8	60	49	0.24	-0.40	-4.03e-02	-0.12	0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	1.38e-03
8	60	56	-9.14e-02	-0.29	-0.11	-0.28	5.04e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.51e-04	-7.20e-04
8	60	57	0.47	-0.44	9.28e-02	-6.05e-02	0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	-1.01e-02
8	60	64	9.10e-02	-0.31	6.45e-02	-0.28	9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	9.48e-03
8	60	65	0.37	-0.27	0.12	-2.11e-02	0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	1.25e-02
8	60	72	0.62	-8.68e-02	0.39	0.14	0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	-1.31e-02
8	61	1	0.29	-0.13	0.17	-1.27e-02	-0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	-1.26e-02
8	61	2	0.37	-0.32	0.12	-6.45e-02	-0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	9.83e-03
8	61	15	6.38e-02	-0.29	6.30e-02	-0.29	1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.85e-03
8	61	16	0.51	2.39e-02	0.39	0.14	-0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	1.30e-02
8	61	17	0.14	-0.33	-4.88e-02	-0.14	-0.23	-2.93e-03	-7.11e-03	-6.68e-03	-3.37e-03	-1.28e-03
8	61	24	-0.10	-0.31	-0.11	-0.30	3.93e-02	-1.88e-04	-5.99e-03	-5.86e-03	-3.22e-04	8.72e-04
8	61	25	-3.49e-02	-0.25	-0.15	-0.14	-0.11	-2.26e-03	-5.67e-03	-5.54e-03	-2.40e-03	-6.68e-04
8	61	32	-0.21	-0.30	-0.21	-0.29	2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	2.86e-04
8	61	33	-0.15	-0.18	-0.18	-0.15	4.21e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	-4.44e-06

8	61	40	-0.25	-0.29	-0.25	-0.29	4.21e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	
8	61	41	-3.13e-02	-0.26	-0.15	-0.15	0.11	-2.62e-03	-5.74e-03	-5.60e-03	-2.77e-03	6.57e-04
8	61	48	-0.21	-0.30	-0.21	-0.29	-1.66e-02	5.76e-04	-4.02e-03	-4.00e-03	5.57e-04	-2.96e-04
8	61	49	0.14	-0.34	-5.12e-02	-0.15	0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	1.27e-03
8	61	56	-0.10	-0.31	-0.11	-0.30	-3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.32e-04	-8.81e-04
8	61	57	0.36	-0.31	0.12	-6.54e-02	0.33	9.32e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.78e-03
8	61	64	6.43e-02	-0.29	6.26e-02	-0.29	-2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.89e-03
8	61	65	0.28	-0.13	0.16	-1.29e-02	0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	1.26e-02
8	61	72	0.50	3.22e-02	0.39	0.14	0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	-1.29e-02
8	62	1	0.36	-0.26	0.12	-2.12e-02	-0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	-1.25e-02
8	62	2	0.47	-0.44	9.12e-02	-6.14e-02	-0.44	9.52e-03	-2.37e-02	-2.04e-02	6.16e-03	1.00e-02
8	62	15	8.71e-02	-0.30	6.41e-02	-0.28	-9.21e-02	-6.89e-03	-3.23e-02	-2.80e-02	-1.12e-02	-9.52e-03
8	62	16	0.61	-7.78e-02	0.39	0.14	-0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	1.31e-02
8	62	17	0.24	-0.41	-4.28e-02	-0.12	-0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	-1.36e-03
8	62	24	-9.27e-02	-0.29	-0.11	-0.28	-4.99e-02	-1.58e-04	-5.46e-03	-5.36e-03	-2.61e-04	7.30e-04
8	62	25	4.29e-02	-0.28	-0.12	-0.12	-0.16	-2.90e-03	-5.57e-03	-5.43e-03	-3.05e-03	-6.12e-04
8	62	32	-0.20	-0.29	-0.21	-0.27	-3.16e-02	-2.75e-05	-3.83e-03	-3.80e-03	-6.06e-05	3.53e-04
8	62	33	-0.12	-0.14	-0.14	-0.12	-4.23e-03	-2.76e-03	-5.03e-03	-5.03e-03	-2.76e-03	5.80e-06
8	62	40	-0.24	-0.27	-0.24	-0.27	-4.23e-03	1.38e-04	-3.34e-03	-3.34e-03	1.38e-04	3.96e-06
8	62	41	3.92e-02	-0.28	-0.12	-0.12	0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.68e-03	6.24e-04
8	62	48	-0.20	-0.28	-0.21	-0.27	2.56e-02	-1.15e-05	-3.79e-03	-3.75e-03	-4.38e-05	-3.47e-04
8	62	49	0.24	-0.40	-4.03e-02	-0.12	0.32	-2.58e-03	-6.31e-03	-5.71e-03	-3.19e-03	1.38e-03
8	62	56	-9.14e-02	-0.29	-0.11	-0.28	5.04e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.51e-04	-7.19e-04
8	62	57	0.47	-0.44	9.29e-02	-6.05e-02	0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	-1.01e-02
8	62	64	9.10e-02	-0.31	6.45e-02	-0.28	9.91e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	9.48e-03
8	62	65	0.37	-0.27	0.12	-2.11e-02	0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	1.25e-02
8	62	72	0.62	-8.68e-02	0.39	0.14	0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	-1.31e-02
8	63	1	0.28	-0.13	0.16	-1.29e-02	-0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	-1.26e-02
8	63	2	0.36	-0.31	0.12	-6.54e-02	-0.33	9.32e-03	-2.35e-02	-2.03e-02	6.10e-03	9.78e-03
8	63	15	6.42e-02	-0.29	6.26e-02	-0.29	2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.89e-03
8	63	16	0.50	3.22e-02	0.39	0.14	-0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
8	63	17	0.14	-0.34	-5.12e-02	-0.15	-0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	-1.26e-03
8	63	24	-0.10	-0.31	-0.11	-0.30	3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.32e-04	8.83e-04
8	63	25	-3.12e-02	-0.26	-0.15	-0.15	-0.11	-2.62e-03	-5.74e-03	-5.60e-03	-2.77e-03	-6.54e-04
8	63	32	-0.21	-0.30	-0.21	-0.29	1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	2.95e-04
8	63	33	-0.15	-0.18	-0.18	-0.15	-4.24e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	4.89e-06
8	63	40	-0.25	-0.29	-0.25	-0.29	-4.24e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	3.10e-06
8	63	41	-3.49e-02	-0.25	-0.15	-0.14	0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	6.69e-04
8	63	48	-0.21	-0.30	-0.21	-0.29	-2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	-2.88e-04
8	63	49	0.14	-0.33	-4.87e-02	-0.14	0.23	-2.93e-03	-7.11e-03	-6.67e-03	-3.37e-03	1.28e-03
8	63	56	-0.10	-0.31	-0.11	-0.30	-3.93e-02	-1.87e-04	-5.99e-03	-5.86e-03	-3.20e-04	-8.70e-04
8	63	57	0.37	-0.32	0.12	-6.46e-02	0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	-9.83e-03
8	63	64	6.39e-02	-0.29	6.31e-02	-0.29	-1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.85e-03
8	63	65	0.29	-0.13	0.17	-1.27e-02	0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02
8	63	72	0.51	2.39e-02	0.39	0.14	0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	-1.29e-02
8	64	1	0.37	-0.27	0.12	-2.10e-02	-0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	-1.25e-02
8	64	2	0.47	-0.44	9.29e-02	-6.05e-02	-0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	1.01e-02
8	64	15	9.11e-02	-0.31	6.45e-02	-0.28	-9.92e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	-9.48e-03
8	64	16	0.62	-8.69e-02	0.39	0.14	-0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	1.31e-02
8	64	17	0.24	-0.40	-4.02e-02	-0.12	-0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	-1.38e-03
8	64	24	-9.14e-02	-0.29	-0.11	-0.28	-5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	7.19e-04
8	64	25	3.92e-02	-0.27	-0.12	-0.12	-0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.69e-03	-6.25e-04
8	64	32	-0.20	-0.28	-0.21	-0.27	-2.56e-02	-1.27e-05	-3.79e-03	-3.75e-03	-4.43e-05	3.44e-04
8	64	33	-0.12	-0.14	-0.14	-0.12	4.23e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	-3.10e-06
8	64	40	-0.24	-0.27	-0.24	-0.27	4.23e-03	1.38e-04	-3.33e-03	-3.33e-03	1.38e-04	1.55e-06
8	64	41	4.28e-02	-0.28	-0.12	-0.12	0.16	-2.90e-03	-5.57e-03	-5.42e-03	-3.05e-03	6.12e-04
8	64	48	-0.20	-0.29	-0.21	-0.27	3.16e-02	-2.71e-05	-3.83e-03	-3.79e-03	-6.06e-05	-3.56e-04
8	64	49	0.24	-0.41	-4.28e-02	-0.12	0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	1.37e-03
8	64	56	-9.28e-02	-0.29	-0.11	-0.28	4.99e-02	-1.60e-04	-5.46e-03	-5.36e-03	-2.63e-04	-7.30e-04
8	64	57	0.47	-0.44	9.11e-02	-6.14e-02	0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	-1.00e-02
8	64	64	8.70e-02	-0.31	6.40e-02	-0.28	9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	9.52e-03
8	64	65	0.36	-0.26	0.12	-2.12e-02	0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	1.25e-02
8	64	72	0.61	-7.79e-02	0.39	0.14	0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	-1.31e-02
8	65	1	0.28	-0.13	0.16	-1.29e-02	-0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	-1.26e-02
8	65	2	0.36	-0.31	0.12	-6.54e-02	-0.33	9.33e-03	-2.35e-02	-2.03e-02	6.10e-03	9.78e-03
8	65	15	6.42e-02	-0.29	6.26e-02	-0.29	2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.89e-03
8	65	16	0.50	3.22e-02	0.39	0.14	-0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
8	65	17	0.14	-0.34	-5.13e-02	-0.15	-0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	-1.27e-03
8	65	24	-0.10	-0.31	-0.11	-0.30	3.97e-02	-1.97e-04	-6.05e-03	-5.92e-03	-3.33e-04	8.82e-04
8	65	25	-3.13e-02	-0.26	-0.15	-0.15	-0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	-6.55e-04
8	65	32	-0.21	-0.30	-0.21	-0.29	1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	2.97e-04
8	65	33	-0.15	-0.18	-0.18	-0.15	-4.23e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	3.10e-06
8	65	40	-0.25	-0.29	-0.25	-0.29	-4.23e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	-1.55e-06
8	65	41	-3.49e-02	-0.25	-0.14	-0.14	0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	6.68e-04
8	65	48	-0.21	-0.30	-0.21	-0.29	-2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	-2.86e-04
8	65	49	0.14	-0.33	-4.87e-02	-0.14	0.23	-2.93e-03	-7.11e-03	-6.68e-03	-3.37e-03	1.28e-03
8	65	56	-0.10	-0.31	-0.11	-0.30	-3.93e-02	-1.87e-04	-5.99e-03	-5.86e-03	-3.21e-04	-8.71e-04

8	65	57	0.37	-0.32	0.12	-6.46e-02	0.33	9.36e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.83e-03
8	65	64	6.39e-02	-0.29	6.31e-02	-0.29	-1.71e-02	-6.62e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.85e-03
8	65	65	0.29	-0.13	0.17	-1.27e-02	0.19	7.71e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02
8	65	72	0.51	2.39e-02	0.39	0.14	0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	-1.30e-02
8	66	1	0.37	-0.27	0.12	-2.10e-02	-0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	-1.25e-02
8	66	2	0.47	-0.44	9.29e-02	-6.05e-02	-0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	1.01e-02
8	66	15	9.11e-02	-0.31	6.45e-02	-0.28	-9.92e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	-9.48e-03
8	66	16	0.62	-8.69e-02	0.39	0.14	-0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	1.31e-02
8	66	17	0.24	-0.40	-4.03e-02	-0.12	-0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	-1.38e-03
8	66	24	-9.14e-02	-0.29	-0.11	-0.28	-5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	7.18e-04
8	66	25	3.91e-02	-0.28	-0.12	-0.12	-0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.68e-03	-6.25e-04
8	66	32	-0.20	-0.28	-0.21	-0.27	-2.56e-02	-1.21e-05	-3.79e-03	-3.75e-03	-4.42e-05	3.47e-04
8	66	33	-0.12	-0.14	-0.14	-0.12	4.24e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	-4.89e-06
8	66	40	-0.24	-0.27	-0.24	-0.27	4.24e-03	1.38e-04	-3.33e-03	-3.33e-03	1.38e-04	-3.10e-06
8	66	41	4.29e-02	-0.28	-0.12	-0.12	0.16	-2.91e-03	-5.57e-03	-5.43e-03	-3.05e-03	6.11e-04
8	66	48	-0.20	-0.29	-0.21	-0.27	3.16e-02	-2.77e-05	-3.83e-03	-3.79e-03	-6.07e-05	-3.53e-04
8	66	49	0.24	-0.41	-4.28e-02	-0.12	0.32	-2.65e-03	-6.48e-03	-5.91e-03	-3.22e-03	1.36e-03
8	66	56	-9.28e-02	-0.29	-0.11	-0.28	4.99e-02	-1.60e-04	-5.47e-03	-5.36e-03	-2.63e-04	-7.31e-04
8	66	57	0.47	-0.44	9.12e-02	-6.14e-02	0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	-1.00e-02
8	66	64	8.70e-02	-0.31	6.40e-02	-0.28	9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	9.52e-03
8	66	65	0.36	-0.26	0.12	-2.12e-02	0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	1.25e-02
8	66	72	0.61	-7.79e-02	0.39	0.14	0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	-1.31e-02
8	67	1	0.28	-0.13	0.16	-1.29e-02	-0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	-1.26e-02
8	67	2	0.36	-0.31	0.12	-6.54e-02	-0.33	9.33e-03	-2.35e-02	-2.03e-02	6.10e-03	9.78e-03
8	67	15	6.42e-02	-0.29	6.26e-02	-0.29	2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.89e-03
8	67	16	0.50	3.22e-02	0.39	0.14	-0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
8	67	17	0.14	-0.34	-5.12e-02	-0.15	-0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	-1.27e-03
8	67	24	-0.10	-0.31	-0.11	-0.30	3.97e-02	-1.97e-04	-6.05e-03	-5.92e-03	-3.33e-04	8.82e-04
8	67	25	-3.12e-02	-0.26	-0.15	-0.15	-0.11	-2.62e-03	-5.74e-03	-5.60e-03	-2.77e-03	-6.55e-04
8	67	32	-0.21	-0.30	-0.21	-0.29	1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	2.97e-04
8	67	33	-0.15	-0.18	-0.18	-0.15	-4.23e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	3.31e-06
8	67	40	-0.25	-0.29	-0.25	-0.29	-4.23e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	-1.47e-06
8	67	41	-3.49e-02	-0.25	-0.15	-0.14	0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	6.68e-04
8	67	48	-0.21	-0.30	-0.21	-0.29	-2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	-2.86e-04
8	67	49	0.14	-0.33	-4.87e-02	-0.14	0.23	-2.93e-03	-7.11e-03	-6.67e-03	-3.37e-03	1.28e-03
8	67	56	-0.10	-0.31	-0.11	-0.30	-3.93e-02	-1.87e-04	-5.99e-03	-5.86e-03	-3.20e-04	-8.71e-04
8	67	57	0.37	-0.32	0.12	-6.46e-02	0.33	9.37e-03	-2.35e-02	-2.02e-02	6.10e-03	-9.83e-03
8	67	64	6.39e-02	-0.29	6.31e-02	-0.29	-1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.85e-03
8	67	65	0.29	-0.13	0.17	-1.27e-02	0.19	7.70e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02
8	67	72	0.51	2.39e-02	0.39	0.14	0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	-1.30e-02
8	68	1	0.37	-0.27	0.12	-2.10e-02	-0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	-1.25e-02
8	68	2	0.47	-0.44	9.29e-02	-6.05e-02	-0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	1.01e-02
8	68	15	9.11e-02	-0.31	6.45e-02	-0.28	-9.92e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	-9.48e-03
8	68	16	0.62	-8.69e-02	0.39	0.14	-0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	1.31e-02
8	68	17	0.24	-0.40	-4.02e-02	-0.12	-0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	-1.38e-03
8	68	24	-9.14e-02	-0.29	-0.11	-0.28	-5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	7.18e-04
8	68	25	3.92e-02	-0.27	-0.12	-0.12	-0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.69e-03	-6.25e-04
8	68	32	-0.20	-0.28	-0.21	-0.27	-2.56e-02	-1.22e-05	-3.79e-03	-3.75e-03	-4.43e-05	3.47e-04
8	68	33	-0.12	-0.14	-0.14	-0.12	4.24e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	-4.67e-06
8	68	40	-0.24	-0.27	-0.24	-0.27	4.24e-03	1.38e-04	-3.33e-03	-3.33e-03	1.38e-04	-3.02e-06
8	68	41	4.28e-02	-0.28	-0.12	-0.12	0.16	-2.91e-03	-5.57e-03	-5.42e-03	-3.05e-03	6.11e-04
8	68	48	-0.20	-0.29	-0.21	-0.27	3.16e-02	-2.76e-05	-3.83e-03	-3.79e-03	-6.07e-05	-3.53e-04
8	68	49	0.24	-0.41	-4.28e-02	-0.12	0.32	-2.65e-03	-6.47e-03	-5.90e-03	-3.22e-03	1.36e-03
8	68	56	-9.28e-02	-0.29	-0.11	-0.28	4.99e-02	-1.60e-04	-5.47e-03	-5.36e-03	-2.63e-04	-7.31e-04
8	68	57	0.47	-0.44	9.11e-02	-6.14e-02	0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	-1.00e-02
8	68	64	8.70e-02	-0.31	6.40e-02	-0.28	9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	9.52e-03
8	68	65	0.36	-0.26	0.12	-2.12e-02	0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	1.25e-02
8	68	72	0.61	-7.79e-02	0.39	0.14	0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	-1.31e-02
8	69	1	0.28	-0.13	0.16	-1.29e-02	-0.18	7.74e-02	1.68e-02	7.46e-02	1.95e-02	-1.26e-02
8	69	2	0.36	-0.31	0.12	-6.54e-02	-0.33	9.33e-03	-2.35e-02	-2.03e-02	6.10e-03	9.78e-03
8	69	15	6.42e-02	-0.29	6.26e-02	-0.29	2.41e-02	-6.60e-03	-3.24e-02	-2.78e-02	-1.12e-02	-9.89e-03
8	69	16	0.50	3.22e-02	0.39	0.14	-0.20	8.01e-02	1.07e-02	7.76e-02	1.32e-02	1.29e-02
8	69	17	0.14	-0.34	-5.13e-02	-0.15	-0.23	-2.99e-03	-7.29e-03	-6.88e-03	-3.40e-03	-1.26e-03
8	69	24	-0.10	-0.31	-0.11	-0.30	3.97e-02	-1.97e-04	-6.06e-03	-5.92e-03	-3.33e-04	8.83e-04
8	69	25	-3.12e-02	-0.26	-0.15	-0.15	-0.11	-2.62e-03	-5.74e-03	-5.59e-03	-2.77e-03	-6.54e-04
8	69	32	-0.21	-0.30	-0.21	-0.29	1.66e-02	5.77e-04	-4.02e-03	-4.00e-03	5.58e-04	2.95e-04
8	69	33	-0.15	-0.18	-0.18	-0.15	-4.24e-03	-2.77e-03	-6.05e-03	-6.05e-03	-2.77e-03	4.67e-06
8	69	40	-0.25	-0.29	-0.25	-0.29	-4.24e-03	7.57e-04	-4.09e-03	-4.09e-03	7.57e-04	3.02e-06
8	69	41	-3.49e-02	-0.25	-0.14	-0.14	0.11	-2.26e-03	-5.68e-03	-5.54e-03	-2.40e-03	6.69e-04
8	69	48	-0.21	-0.30	-0.21	-0.29	-2.26e-02	5.92e-04	-3.98e-03	-3.96e-03	5.74e-04	-2.88e-04
8	69	49	0.14	-0.33	-4.87e-02	-0.14	0.23	-2.93e-03	-7.11e-03	-6.68e-03	-3.37e-03	1.28e-03
8	69	56	-0.10	-0.31	-0.11	-0.30	-3.93e-02	-1.87e-04	-5.99e-03	-5.86e-03	-3.20e-04	-8.70e-04
8	69	57	0.37	-0.32	0.12	-6.46e-02	0.33	9.37e-03	-2.35e-02	-2.03e-02	6.10e-03	-9.83e-03
8	69	64	6.39e-02	-0.29	6.31e-02	-0.29	-1.71e-02	-6.63e-03	-3.24e-02	-2.78e-02	-1.12e-02	9.85e-03
8	69	65	0.29	-0.13	0.17	-1.27e-02	0.19	7.71e-02	1.67e-02	7.43e-02	1.95e-02	1.26e-02
8	69	72	0.51	2.39e-02	0.39	0.14	0.21	8.00e-02	1.07e-02	7.75e-02	1.32e-02	-1.29e-02
8	70	1	0.37	-0.27	0.12	-2.10e-02	-0.31	7.43e-02	1.61e-02	7.15e-02	1.89e-02	-1.25e-02

8	70	2	0.47	-0.44	9.29e-02	-6.05e-02	-0.45	9.56e-03	-2.37e-02	-2.03e-02	6.16e-03	1.01e-02
8	70	15	9.11e-02	-0.31	6.45e-02	-0.28	-9.92e-02	-6.92e-03	-3.22e-02	-2.79e-02	-1.12e-02	-9.48e-03
8	70	16	0.62	-8.69e-02	0.39	0.14	-0.33	7.83e-02	1.02e-02	7.57e-02	1.29e-02	1.31e-02
8	70	17	0.24	-0.40	-4.03e-02	-0.12	-0.32	-2.58e-03	-6.31e-03	-5.70e-03	-3.19e-03	-1.38e-03
8	70	24	-9.14e-02	-0.29	-0.11	-0.28	-5.03e-02	-1.50e-04	-5.40e-03	-5.30e-03	-2.50e-04	7.19e-04
8	70	25	3.91e-02	-0.28	-0.12	-0.12	-0.16	-2.55e-03	-5.51e-03	-5.37e-03	-2.68e-03	-6.25e-04
8	70	32	-0.20	-0.28	-0.21	-0.27	-2.56e-02	-1.26e-05	-3.79e-03	-3.75e-03	-4.43e-05	3.44e-04
8	70	33	-0.12	-0.14	-0.14	-0.12	4.23e-03	-2.76e-03	-5.04e-03	-5.04e-03	-2.76e-03	-3.31e-06
8	70	40	-0.24	-0.27	-0.24	-0.27	4.23e-03	1.38e-04	-3.33e-03	-3.33e-03	1.38e-04	1.47e-06
8	70	41	4.29e-02	-0.28	-0.12	-0.12	0.16	-2.91e-03	-5.57e-03	-5.43e-03	-3.05e-03	6.12e-04
8	70	48	-0.20	-0.29	-0.21	-0.27	3.16e-02	-2.71e-05	-3.83e-03	-3.79e-03	-6.07e-05	-3.56e-04
8	70	49	0.24	-0.41	-4.28e-02	-0.12	0.32	-2.65e-03	-6.48e-03	-5.91e-03	-3.22e-03	1.37e-03
8	70	56	-9.28e-02	-0.29	-0.11	-0.28	4.99e-02	-1.60e-04	-5.47e-03	-5.36e-03	-2.63e-04	-7.30e-04
8	70	57	0.47	-0.44	9.12e-02	-6.14e-02	0.44	9.52e-03	-2.38e-02	-2.04e-02	6.16e-03	-1.00e-02
8	70	64	8.70e-02	-0.31	6.40e-02	-0.28	9.21e-02	-6.90e-03	-3.23e-02	-2.80e-02	-1.12e-02	9.52e-03
8	70	65	0.36	-0.26	0.12	-2.12e-02	0.30	7.46e-02	1.62e-02	7.18e-02	1.90e-02	1.25e-02
8	70	72	0.61	-7.79e-02	0.39	0.14	0.32	7.84e-02	1.03e-02	7.58e-02	1.29e-02	-1.31e-02
8	71	1	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
8	71	2	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
8	71	15	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
8	71	16	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
8	71	17	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
8	71	24	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
8	71	25	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
8	71	32	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
8	71	33	-0.13	-0.16	-0.16	-0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
8	71	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
8	71	41	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
8	71	48	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
8	71	49	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
8	71	56	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
8	71	57	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
8	71	64	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
8	71	65	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
8	71	72	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
8	72	1	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
8	72	2	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
8	72	15	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
8	72	16	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
8	72	17	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
8	72	24	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
8	72	25	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
8	72	32	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
8	72	33	-0.13	-0.16	-0.16	-0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
8	72	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
8	72	41	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
8	72	48	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
8	72	49	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
8	72	56	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
8	72	57	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
8	72	64	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
8	72	65	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
8	72	72	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
8	73	1	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
8	73	2	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
8	73	15	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
8	73	16	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
8	73	17	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
8	73	24	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
8	73	25	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
8	73	32	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
8	73	33	-0.13	-0.16	-0.16	-0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
8	73	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
8	73	41	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
8	73	48	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
8	73	49	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
8	73	56	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
8	73	57	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
8	73	64	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
8	73	65	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
8	73	72	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
8	74	1	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
8	74	2	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
8	74	15	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
8	74	16	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
8	74	17	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
8	74	24	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04

8	74	25	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
8	74	32	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
8	74	33	-0.13	-0.16	-0.16	-0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
8	74	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
8	74	41	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
8	74	48	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
8	74	49	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
8	74	56	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
8	74	57	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
8	74	64	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
8	74	65	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
8	74	72	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
8	75	1	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
8	75	2	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
8	75	15	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
8	75	16	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
8	75	17	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
8	75	24	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
8	75	25	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
8	75	32	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
8	75	33	-0.13	-0.16	-0.16	-0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
8	75	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
8	75	41	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
8	75	48	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
8	75	49	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
8	75	56	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
8	75	57	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
8	75	64	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
8	75	65	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
8	75	72	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02
8	76	1	0.32	-0.20	0.14	-1.70e-02	-0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	-1.25e-02
8	76	2	0.42	-0.38	0.10	-6.30e-02	-0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	9.93e-03
8	76	15	6.76e-02	-0.29	6.36e-02	-0.28	-3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	-9.69e-03
8	76	16	0.56	-2.60e-02	0.39	0.14	-0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	1.30e-02
8	76	17	0.19	-0.37	-4.58e-02	-0.13	-0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	-1.32e-03
8	76	24	-0.11	-0.29	-0.11	-0.29	-5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	8.00e-04
8	76	25	3.95e-03	-0.27	-0.13	-0.13	-0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	-6.40e-04
8	76	32	-0.21	-0.28	-0.21	-0.28	-4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	3.21e-04
8	76	33	-0.13	-0.16	-0.16	-0.13		-2.76e-03	-5.54e-03	-5.54e-03	-2.76e-03	
8	76	40	-0.25	-0.28	-0.25	-0.28		4.47e-04	-3.71e-03	-3.71e-03	4.47e-04	
8	76	41	3.95e-03	-0.27	-0.13	-0.13	0.14	-2.59e-03	-5.62e-03	-5.48e-03	-2.73e-03	6.40e-04
8	76	48	-0.21	-0.28	-0.21	-0.28	4.50e-03	2.81e-04	-3.90e-03	-3.88e-03	2.57e-04	-3.21e-04
8	76	49	0.19	-0.37	-4.58e-02	-0.13	0.28	-2.80e-03	-6.79e-03	-6.29e-03	-3.30e-03	1.32e-03
8	76	56	-0.11	-0.29	-0.11	-0.29	5.31e-03	-1.74e-04	-5.73e-03	-5.61e-03	-2.92e-04	-8.00e-04
8	76	57	0.42	-0.38	0.10	-6.30e-02	0.39	9.44e-03	-2.36e-02	-2.03e-02	6.13e-03	-9.93e-03
8	76	64	6.76e-02	-0.29	6.36e-02	-0.28	3.75e-02	-6.76e-03	-3.23e-02	-2.79e-02	-1.12e-02	9.69e-03
8	76	65	0.32	-0.20	0.14	-1.70e-02	0.25	7.58e-02	1.65e-02	7.31e-02	1.92e-02	1.25e-02
8	76	72	0.56	-2.60e-02	0.39	0.14	0.26	7.92e-02	1.05e-02	7.66e-02	1.30e-02	-1.30e-02

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2	
		-40.09	-32.98	-17.65	-26.32			-14.20	-14.12	-4.61	-1.05
	111.07		46.28	110.57	26.32	6.69		6.68	3.47	1.05	

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm <sup>2</sup>	daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	1	4	0.94	0.56	-1.07	-0.29	-0.23	-0.81	0.03	0.02	0.03	0.02	-5.65e-03
		3	0.97	1.12	-0.58	0.13	0.40	-0.84	0.05	-7.42e-03	-6.63e-03	0.05	6.53e-03
		2	0.89	0.42	-1.04	-0.03	-0.58	-0.68	-0.05	-0.05	-0.05	-0.05	-2.13e-03
		1	0.99	1.28	-0.39	0.59	0.30	-0.82	0.05	-1.16e-03	0.05	1.71e-04	8.38e-03
1	2	4	0.94	0.56	-1.07	-0.29	-0.23	-0.81	0.03	0.02	0.03	0.02	-5.65e-03
		3	0.97	1.12	-0.58	0.13	0.40	-0.84	0.05	-7.42e-03	-6.63e-03	0.05	6.53e-03
		2	0.89	0.42	-1.04	-0.03	-0.58	-0.68	-0.05	-0.05	-0.05	-0.05	-2.13e-03
		1	0.99	1.28	-0.39	0.59	0.30	-0.82	0.05	-1.16e-03	0.05	1.71e-04	8.38e-03
1	3	4	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		2	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		1	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
1	4	4	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		2	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		1	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
1	5	4	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		2	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		1	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
1	6	4	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03

		3	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		2	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		1	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
1	7	4	14.79	9.77	-5.86	4.44	-0.52	-7.41	-0.71	-3.72	-3.70	-0.73	0.25
		3	23.86	33.77	1.58	5.00	30.35	-9.93	3.84	0.81	3.84	0.81	-0.14
		2	22.85	32.14	2.22	4.92	29.44	8.57	3.77	0.70	3.76	0.71	0.15
		1	14.15	9.31	-3.81	5.54	-0.03	5.94	-0.72	-3.67	-3.64	-0.74	-0.25
1	8	4	2.06	-0.06	-1.64	-1.24	-0.47	-0.69	0.55	0.15	0.55	0.15	-9.63e-03
		3	4.16	-0.20	-4.81	-0.34	-4.67	0.79	-0.05	-0.77	-0.73	-0.10	-0.17
		2	6.43	-0.23	-9.84	-3.58	-6.50	-4.58	-0.09	-0.51	-0.50	-0.10	0.06
		1	5.03	1.80	-6.69	-4.50	-0.39	-3.72	0.10	-0.07	0.09	-0.06	-0.04
1	9	4	16.13	10.64	-6.33	4.87	-0.56	-8.04	-0.78	-4.07	-4.05	-0.80	0.28
		3	26.03	36.82	1.74	5.45	33.11	-10.78	4.20	0.88	4.19	0.89	-0.15
		2	25.00	35.17	2.40	5.38	32.19	9.41	4.12	0.77	4.11	0.78	0.17
		1	15.48	10.19	-4.24	6.01	-0.06	6.54	-0.78	-4.01	-3.98	-0.81	-0.27
1	10	4	1.78	0.67	-1.98	-0.81	-0.50	-1.31	0.21	0.08	0.21	0.08	0.01
		3	2.02	0.12	-1.90	0.11	-1.90	-0.07	0.05	-0.45	-0.37	-0.02	-0.18
		2	4.96	0.32	-7.19	-3.12	-3.74	-3.74	4.00e-03	-0.18	-0.15	-0.03	0.07
		1	4.79	1.38	-5.83	-4.03	-0.42	-3.11	-0.10	-0.28	-0.25	-0.13	-0.06
1	11	4	14.79	9.77	-5.85	4.44	-0.53	-7.41	-0.71	-3.72	-3.70	-0.73	0.25
		3	23.86	33.77	1.58	5.00	30.34	-9.92	3.84	0.81	3.84	0.81	-0.14
		2	22.85	32.14	2.22	4.92	29.43	8.58	3.77	0.70	3.76	0.71	0.15
		1	14.15	9.32	-3.81	5.54	-0.03	5.94	-0.72	-3.67	-3.64	-0.74	-0.25
1	12	4	2.06	-0.06	-1.64	-1.24	-0.47	-0.69	0.55	0.15	0.55	0.15	-9.63e-03
		3	4.16	-0.20	-4.80	-0.33	-4.66	0.78	-0.05	-0.77	-0.73	-0.10	-0.17
		2	6.43	-0.23	-9.84	-3.58	-6.49	-4.58	-0.09	-0.51	-0.50	-0.10	0.06
		1	5.03	1.81	-6.70	-4.50	-0.39	-3.72	0.10	-0.07	0.09	-0.06	-0.04
1	13	4	16.12	10.63	-6.32	4.87	-0.56	-8.03	-0.78	-4.07	-4.04	-0.80	0.28
		3	26.03	36.82	1.74	5.45	33.11	-10.78	4.20	0.88	4.19	0.89	-0.15
		2	25.00	35.16	2.40	5.37	32.19	9.41	4.12	0.77	4.11	0.78	0.17
		1	15.48	10.19	-4.24	6.01	-0.06	6.55	-0.78	-4.01	-3.98	-0.81	-0.27
1	14	4	1.78	0.67	-1.98	-0.81	-0.50	-1.32	0.21	0.08	0.21	0.08	0.01
		3	2.01	0.12	-1.90	0.11	-1.89	-0.07	0.05	-0.45	-0.38	-0.02	-0.18
		2	4.96	0.33	-7.19	-3.12	-3.74	-3.74	3.89e-03	-0.18	-0.15	-0.03	0.07
		1	4.80	1.38	-5.83	-4.03	-0.42	-3.12	-0.10	-0.28	-0.25	-0.13	-0.06
1	15	4	14.79	9.77	-5.86	4.44	-0.52	-7.41	-0.71	-3.72	-3.70	-0.73	0.25
		3	23.86	33.77	1.58	5.00	30.35	-9.93	3.84	0.81	3.84	0.81	-0.14
		2	22.85	32.14	2.22	4.92	29.44	8.57	3.77	0.70	3.76	0.71	0.15
		1	14.15	9.31	-3.81	5.54	-0.03	5.94	-0.72	-3.67	-3.64	-0.74	-0.25
1	16	4	2.06	-0.06	-1.64	-1.24	-0.47	-0.69	0.55	0.15	0.55	0.15	-9.63e-03
		3	4.16	-0.20	-4.81	-0.34	-4.67	0.79	-0.05	-0.77	-0.73	-0.10	-0.17
		2	6.43	-0.23	-9.84	-3.58	-6.50	-4.58	-0.09	-0.51	-0.50	-0.10	0.06
		1	5.03	1.80	-6.69	-4.50	-0.39	-3.72	0.10	-0.07	0.09	-0.06	-0.04
1	17	4	16.13	10.64	-6.33	4.87	-0.56	-8.04	-0.78	-4.07	-4.05	-0.80	0.28
		3	26.03	36.82	1.74	5.45	33.11	-10.78	4.20	0.88	4.19	0.89	-0.15
		2	25.00	35.17	2.40	5.38	32.19	9.41	4.12	0.77	4.11	0.78	0.17
		1	15.48	10.19	-4.24	6.01	-0.06	6.54	-0.78	-4.01	-3.98	-0.81	-0.27
1	18	4	1.78	0.67	-1.98	-0.81	-0.50	-1.31	0.21	0.08	0.21	0.08	0.01
		3	2.02	0.12	-1.90	0.11	-1.90	-0.07	0.05	-0.45	-0.37	-0.02	-0.18
		2	4.96	0.32	-7.19	-3.12	-3.74	-3.74	3.97e-03	-0.18	-0.15	-0.03	0.07
		1	4.79	1.38	-5.83	-4.03	-0.42	-3.11	-0.10	-0.28	-0.25	-0.13	-0.06
1	19	4	14.79	9.77	-5.85	4.44	-0.53	-7.41	-0.71	-3.72	-3.70	-0.73	0.25
		3	23.86	33.77	1.58	5.00	30.34	-9.92	3.84	0.81	3.84	0.81	-0.14
		2	22.85	32.14	2.22	4.92	29.43	8.58	3.77	0.70	3.76	0.71	0.15
		1	14.15	9.32	-3.81	5.54	-0.03	5.94	-0.72	-3.67	-3.64	-0.74	-0.25
1	20	4	2.06	-0.06	-1.64	-1.24	-0.47	-0.69	0.55	0.15	0.55	0.15	-9.63e-03
		3	4.16	-0.20	-4.80	-0.33	-4.66	0.78	-0.05	-0.77	-0.73	-0.10	-0.17
		2	6.43	-0.23	-9.84	-3.58	-6.49	-4.58	-0.09	-0.51	-0.50	-0.10	0.06
		1	5.03	1.81	-6.70	-4.50	-0.39	-3.72	0.10	-0.07	0.09	-0.06	-0.04
1	21	4	16.12	10.63	-6.32	4.87	-0.56	-8.03	-0.78	-4.07	-4.04	-0.80	0.28
		3	26.03	36.82	1.74	5.45	33.11	-10.78	4.20	0.88	4.19	0.89	-0.15
		2	25.00	35.16	2.40	5.37	32.19	9.41	4.12	0.77	4.11	0.78	0.17
		1	15.48	10.19	-4.24	6.01	-0.06	6.55	-0.78	-4.01	-3.98	-0.81	-0.27
1	22	4	1.78	0.67	-1.98	-0.81	-0.50	-1.32	0.21	0.08	0.21	0.08	0.01
		3	2.01	0.12	-1.90	0.11	-1.89	-0.07	0.05	-0.45	-0.38	-0.02	-0.18
		2	4.96	0.33	-7.19	-3.12	-3.74	-3.74	3.86e-03	-0.18	-0.15	-0.03	0.07
		1	4.80	1.38	-5.83	-4.03	-0.42	-3.12	-0.10	-0.28	-0.25	-0.13	-0.06
1	23	4	55.67	36.27	-20.20	17.59	-1.52	-26.57	-2.75	-14.30	-14.22	-2.83	0.98
		3	90.20	127.18	6.77	18.82	115.12	-36.14	14.70	2.98	14.67	3.01	-0.55
		2	88.60	124.86	7.82	18.87	113.80	34.23	14.51	2.79	14.48	2.82	0.58
		1	54.93	36.13	-17.01	19.89	-0.77	24.48	-2.75	-14.13	-14.05	-2.83	-0.96
1	24	4	5.19	2.83	-5.48	-1.33	-1.32	-4.15	0.16	-0.09	-0.04	0.11	0.10
		3	3.52	1.09	-1.65	1.02	-1.58	-0.42	0.42	-0.98	-0.54	-0.02	-0.65
		2	13.32	2.03	-17.48	-9.46	-5.99	-9.60	0.49	-0.08	0.28	0.13	0.28
		1	15.23	1.89	-17.42	-13.57	-1.96	-7.71	-0.50	-1.67	-1.61	-0.57	-0.27
1	25	4	56.07	36.53	-20.34	17.72	-1.53	-26.76	-2.77	-14.41	-14.32	-2.85	0.99
		3	90.85	128.09	6.82	18.95	115.95	-36.40	14.81	3.01	14.78	3.03	-0.56

	2	89.25	125.77	7.87	19.01	114.63	34.48	14.62	2.81	14.59	2.84	0.59
	1	55.33	36.39	-17.14	20.03	-0.77	24.66	-2.77	-14.23	-14.15	-2.85	-0.97
1	26	4	5.42	3.08	-5.61	-1.20	-1.33	-4.34	0.13	-0.18	-0.14	0.09
	3	3.62	1.38	-0.97	1.16	-0.75	-0.68	0.47	-0.91	-0.43	1.16e-03	-0.65
	2	13.14	2.34	-16.82	-9.32	-5.16	-9.35	0.57	-0.04	0.39	0.15	0.28
	1	15.23	1.76	-17.16	-13.43	-1.97	-7.53	-0.53	-1.77	-1.71	-0.59	-0.28
1	27	4	55.67	36.27	-20.20	17.59	-1.52	-26.57	-2.75	-14.30	-14.22	-2.83
	3	90.20	127.18	6.77	18.82	115.12	-36.14	14.70	2.98	14.67	3.01	-0.55
	2	88.60	124.86	7.82	18.87	113.80	34.23	14.51	2.79	14.48	2.82	0.58
1	28	1	54.93	36.13	-17.01	19.89	-0.77	24.48	-2.75	-14.13	-14.05	-2.83
	4	5.19	2.83	-5.48	-1.33	-1.32	-4.15	0.16	-0.09	-0.04	0.11	0.10
	3	3.52	1.09	-1.65	1.02	-1.58	-0.42	0.42	-0.98	-0.54	-0.02	-0.65
	2	13.32	2.03	-17.48	-9.46	-5.99	-9.60	0.49	-0.08	0.28	0.13	0.28
1	29	1	15.23	1.89	-17.42	-13.57	-1.96	-7.71	-0.50	-1.67	-1.61	-0.57
	4	56.07	36.53	-20.34	17.72	-1.53	-26.76	-2.77	-14.41	-14.32	-2.85	0.99
	3	90.85	128.09	6.82	18.95	115.95	-36.40	14.81	3.01	14.78	3.03	-0.56
	2	89.25	125.77	7.87	19.01	114.63	34.48	14.62	2.81	14.59	2.84	0.59
1	30	1	55.33	36.39	-17.14	20.03	-0.77	24.66	-2.77	-14.23	-14.15	-2.85
	4	5.42	3.08	-5.61	-1.20	-1.33	-4.34	0.13	-0.18	-0.14	0.09	0.11
	3	3.62	1.38	-0.97	1.16	-0.75	-0.68	0.47	-0.91	-0.43	1.16e-03	-0.65
	2	13.14	2.34	-16.82	-9.32	-5.16	-9.35	0.57	-0.04	0.39	0.15	0.28
1	31	1	15.23	1.76	-17.16	-13.43	-1.97	-7.53	-0.53	-1.77	-1.71	-0.59
	4	55.65	36.26	-20.19	17.59	-1.52	-26.56	-2.75	-14.30	-14.22	-2.83	0.98
	3	90.19	127.16	6.77	18.81	115.11	-36.13	14.70	2.98	14.68	3.01	-0.55
	2	88.60	124.85	7.81	18.87	113.79	34.24	14.51	2.79	14.48	2.82	0.58
1	32	1	54.93	36.14	-17.02	19.89	-0.77	24.49	-2.74	-14.13	-14.05	-2.83
	4	5.20	2.84	-5.49	-1.33	-1.32	-4.17	0.16	-0.09	-0.04	0.11	0.10
	3	3.51	1.10	-1.64	1.03	-1.57	-0.43	0.42	-0.98	-0.54	-0.02	-0.65
	2	13.33	2.05	-17.48	-9.45	-5.97	-9.61	0.49	-0.08	0.28	0.13	0.28
1	33	1	15.24	1.90	-17.43	-13.57	-1.96	-7.72	-0.50	-1.68	-1.61	-0.57
	4	56.05	36.52	-20.33	17.72	-1.53	-26.74	-2.77	-14.40	-14.32	-2.85	0.99
	3	90.84	128.07	6.82	18.95	115.94	-36.39	14.81	3.01	14.78	3.03	-0.56
	2	89.25	125.76	7.86	19.01	114.61	34.49	14.62	2.81	14.59	2.84	0.59
1	34	1	55.33	36.40	-17.15	20.03	-0.77	24.67	-2.76	-14.23	-14.15	-2.85
	4	5.43	3.09	-5.62	-1.20	-1.33	-4.35	0.13	-0.19	-0.14	0.09	0.11
	3	3.63	1.39	-0.96	1.17	-0.74	-0.69	0.47	-0.91	-0.43	8.91e-04	-0.65
	2	13.15	2.36	-16.82	-9.32	-5.15	-9.36	0.57	-0.04	0.38	0.15	0.28
1	35	1	15.24	1.77	-17.17	-13.43	-1.97	-7.54	-0.53	-1.78	-1.71	-0.59
	4	55.65	36.26	-20.19	17.59	-1.52	-26.56	-2.75	-14.30	-14.22	-2.83	0.98
	3	90.19	127.16	6.77	18.81	115.11	-36.13	14.70	2.98	14.68	3.01	-0.55
	2	88.60	124.85	7.81	18.87	113.79	34.24	14.51	2.79	14.48	2.82	0.58
1	36	1	54.93	36.14	-17.02	19.89	-0.77	24.49	-2.74	-14.13	-14.05	-2.83
	4	5.20	2.84	-5.49	-1.33	-1.32	-4.17	0.16	-0.09	-0.04	0.11	0.10
	3	3.51	1.10	-1.64	1.03	-1.57	-0.43	0.42	-0.98	-0.54	-0.02	-0.65
	2	13.33	2.05	-17.48	-9.45	-5.97	-9.61	0.49	-0.08	0.28	0.13	0.28
1	37	1	15.24	1.90	-17.43	-13.57	-1.96	-7.72	-0.50	-1.68	-1.61	-0.57
	4	56.05	36.52	-20.33	17.72	-1.53	-26.74	-2.77	-14.40	-14.32	-2.85	0.99
	3	90.84	128.07	6.82	18.95	115.94	-36.39	14.81	3.01	14.78	3.03	-0.56
	2	89.25	125.76	7.86	19.01	114.61	34.49	14.62	2.81	14.59	2.84	0.59
1	38	1	55.33	36.40	-17.15	20.03	-0.77	24.67	-2.76	-14.23	-14.15	-2.85
	4	5.43	3.09	-5.62	-1.20	-1.33	-4.35	0.13	-0.19	-0.14	0.09	0.11
	3	3.63	1.39	-0.96	1.17	-0.74	-0.69	0.47	-0.91	-0.43	8.92e-04	-0.65
	2	13.15	2.36	-16.82	-9.32	-5.15	-9.36	0.57	-0.04	0.38	0.15	0.28
1	39	1	15.24	1.77	-17.17	-13.43	-1.97	-7.54	-0.53	-1.78	-1.71	-0.59
	4	0.71	0.43	-0.81	-0.21	-0.17	-0.62	0.03	0.01	0.02	0.01	-4.35e-03
	3	0.74	0.85	-0.43	0.11	0.31	-0.64	0.04	-4.95e-03	-4.34e-03	0.04	5.00e-03
	2	0.68	0.32	-0.79	-0.02	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.68e-03
1	40	1	0.76	0.98	-0.29	0.46	0.23	-0.63	0.04	-7.24e-04	0.04	2.76e-04
	4	0.73	0.43	-0.84	-0.23	-0.18	-0.63	0.02	0.01	0.02	0.01	-4.35e-03
	3	0.76	0.86	-0.46	0.09	0.31	-0.65	0.04	-6.45e-03	-5.84e-03	0.04	5.04e-03
	2	0.69	0.33	-0.81	-0.03	-0.45	-0.53	-0.04	-0.04	-0.04	-0.04	-1.61e-03
1	41	1	0.76	0.98	-0.31	0.44	0.23	-0.64	0.04	-1.05e-03	0.04	-1.01e-05
	4	0.71	0.43	-0.81	-0.21	-0.17	-0.62	0.03	0.01	0.02	0.01	-4.35e-03
	3	0.74	0.85	-0.43	0.11	0.31	-0.64	0.04	-4.98e-03	-4.36e-03	0.04	5.01e-03
	2	0.68	0.32	-0.79	-0.02	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.66e-03
1	42	1	0.76	0.98	-0.29	0.46	0.23	-0.63	0.04	-7.29e-04	0.04	2.73e-04
	4	0.73	0.43	-0.84	-0.23	-0.18	-0.63	0.02	0.01	0.02	0.01	-4.35e-03
	3	0.76	0.86	-0.46	0.09	0.31	-0.65	0.04	-6.47e-03	-5.86e-03	0.04	5.05e-03
	2	0.69	0.33	-0.81	-0.03	-0.45	-0.53	-0.04	-0.04	-0.04	-0.04	-1.59e-03
1	43	1	0.76	0.98	-0.31	0.44	0.23	-0.64	0.04	-1.05e-03	0.04	-1.31e-05
	4	0.71	0.42	-0.81	-0.21	-0.17	-0.62	0.03	0.01	0.02	0.01	-4.35e-03
	3	0.74	0.85	-0.43	0.11	0.31	-0.64	0.04	-4.77e-03	-4.15e-03	0.04	5.00e-03
	2	0.68	0.32	-0.79	-0.02	-0.45	-0.51	-0.04	-0.04	-0.04	-0.04	-1.69e-03
1	44	1	0.75	0.98	-0.29	0.46	0.23	-0.62	0.04	-6.89e-04	0.04	3.07e-04
	4	0.73	0.43	-0.84	-0.23	-0.18	-0.63	0.02	0.01	0.02	0.01	-4.35e-03
	3	0.76	0.86	-0.46	0.10	0.31	-0.65	0.04	-6.63e-03	-6.03e-03	0.04	5.04e-03
	2	0.69	0.33	-0.81	-0.03	-0.45	-0.53	-0.04	-0.04	-0.04	-0.04	-1.60e-03



1	64	4	0.76	0.44	-0.87	-0.25	-0.18	-0.65	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.78	0.88	-0.49	0.08	0.32	-0.67	0.04	-8.82e-03	-8.23e-03	0.03	5.10e-03
		2	0.71	0.34	-0.83	-0.04	-0.44	-0.55	-0.04	-0.04	-0.04	-0.04	-1.50e-03
		1	0.78	0.99	-0.34	0.43	0.22	-0.66	0.04	-1.55e-03	0.04	-4.49e-04	6.51e-03
1	65	4	0.69	0.42	-0.78	-0.19	-0.17	-0.60	0.03	0.01	0.03	0.01	-4.35e-03
		3	0.72	0.84	-0.41	0.13	0.30	-0.62	0.04	-2.61e-03	-1.97e-03	0.04	4.95e-03
		2	0.67	0.31	-0.78	-7.43e-03	-0.46	-0.49	-0.03	-0.04	-0.03	-0.04	-1.77e-03
		1	0.74	0.97	-0.27	0.47	0.23	-0.60	0.04	-2.35e-04	0.04	7.11e-04	6.38e-03
1	66	4	0.76	0.44	-0.87	-0.25	-0.18	-0.65	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.78	0.88	-0.49	0.08	0.32	-0.67	0.04	-8.83e-03	-8.23e-03	0.03	5.10e-03
		2	0.71	0.34	-0.83	-0.04	-0.44	-0.55	-0.04	-0.04	-0.04	-0.04	-1.49e-03
		1	0.78	0.99	-0.34	0.43	0.22	-0.66	0.04	-1.55e-03	0.04	-4.50e-04	6.51e-03
1	67	4	0.69	0.42	-0.78	-0.19	-0.17	-0.60	0.03	0.01	0.03	0.01	-4.35e-03
		3	0.72	0.84	-0.41	0.13	0.30	-0.62	0.04	-2.60e-03	-1.97e-03	0.04	4.95e-03
		2	0.67	0.31	-0.78	-7.40e-03	-0.46	-0.49	-0.03	-0.04	-0.03	-0.04	-1.77e-03
		1	0.74	0.97	-0.27	0.47	0.23	-0.60	0.04	-2.34e-04	0.04	7.12e-04	6.38e-03
1	68	4	0.76	0.44	-0.87	-0.25	-0.18	-0.65	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.78	0.88	-0.49	0.08	0.32	-0.67	0.04	-8.82e-03	-8.23e-03	0.03	5.10e-03
		2	0.71	0.34	-0.83	-0.04	-0.44	-0.55	-0.04	-0.04	-0.04	-0.04	-1.49e-03
		1	0.78	0.99	-0.34	0.43	0.22	-0.66	0.04	-1.55e-03	0.04	-4.49e-04	6.51e-03
1	69	4	0.69	0.42	-0.78	-0.19	-0.17	-0.60	0.03	0.01	0.03	0.01	-4.35e-03
		3	0.72	0.84	-0.41	0.13	0.30	-0.62	0.04	-2.61e-03	-1.97e-03	0.04	4.95e-03
		2	0.67	0.31	-0.78	-7.43e-03	-0.46	-0.49	-0.03	-0.04	-0.03	-0.04	-1.78e-03
		1	0.74	0.97	-0.27	0.47	0.23	-0.60	0.04	-2.35e-04	0.04	7.11e-04	6.38e-03
1	70	4	0.76	0.44	-0.87	-0.25	-0.18	-0.65	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.78	0.88	-0.49	0.08	0.32	-0.67	0.04	-8.82e-03	-8.23e-03	0.03	5.10e-03
		2	0.71	0.34	-0.83	-0.04	-0.44	-0.55	-0.04	-0.04	-0.04	-0.04	-1.50e-03
		1	0.78	0.99	-0.34	0.43	0.22	-0.66	0.04	-1.55e-03	0.04	-4.50e-04	6.51e-03
1	71	4	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		2	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		1	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
1	72	4	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		2	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		1	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
1	73	4	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		2	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		1	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
1	74	4	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		2	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		1	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
1	75	4	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		2	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		1	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
1	76	4	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		2	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		1	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
2	1	4	0.94	1.07	-0.56	0.29	0.23	0.81	0.03	0.02	0.03	0.02	-5.65e-03
		3	0.97	0.58	-1.12	-0.13	-0.40	0.84	0.05	-7.42e-03	-6.63e-03	0.05	6.53e-03
		5	0.89	1.04	-0.42	0.03	0.58	0.68	-0.05	-0.05	-0.05	-0.05	-2.13e-03
		6	0.99	0.39	-1.28	-0.59	-0.30	0.82	0.05	-1.16e-03	0.05	1.71e-04	8.38e-03
2	2	4	0.94	1.07	-0.56	0.29	0.23	0.81	0.03	0.02	0.03	0.02	-5.65e-03
		3	0.97	0.58	-1.12	-0.13	-0.40	0.84	0.05	-7.42e-03	-6.63e-03	0.05	6.53e-03
		5	0.89	1.04	-0.42	0.03	0.58	0.68	-0.05	-0.05	-0.05	-0.05	-2.13e-03
		6	0.99	0.39	-1.28	-0.59	-0.30	0.82	0.05	-1.16e-03	0.05	1.71e-04	8.38e-03
2	3	4	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		5	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		6	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
2	4	4	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		5	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		6	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
2	5	4	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		5	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		6	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
2	6	4	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		5	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		6	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
2	7	4	14.21	9.01	-4.30	4.89	-0.18	-6.16	3.77	0.73	3.75	0.76	-0.26

	3	23.16	32.43	2.09	4.80	29.73	-8.64	-0.74	-3.85	-3.85	-0.74	0.15	
	5	23.75	33.57	1.74	4.97	30.34	9.62	-0.78	-3.84	-3.84	-0.79	-0.15	
	6	14.79	9.72	-5.57	4.64	-0.49	7.20	3.75	0.72	3.72	0.74	0.26	
2	8	4	2.96	1.10	-2.84	-1.81	0.06	1.73	-0.10	-0.47	-0.47	-0.10	-1.02e-03
	3	4.44	-0.07	-6.22	-1.14	-5.14	2.33	0.54	0.20	0.52	0.22	-0.07	
	5	3.55	-0.34	-4.78	-0.71	-4.40	-1.23	0.65	0.08	0.65	0.09	0.05	
	6	1.98	0.16	-1.00	-0.68	-0.16	-0.52	-0.13	-1.00	-0.64	-0.13	-0.02	
2	9	4	15.54	9.88	-4.77	5.31	-0.21	-6.79	4.12	0.80	4.09	0.83	-0.29
	3	25.32	35.48	2.26	5.25	32.49	-9.50	-0.81	-4.21	-4.20	-0.81	0.16	
	5	25.90	36.60	1.92	5.43	33.09	10.45	-0.85	-4.19	-4.19	-0.86	-0.17	
	6	16.12	10.59	-6.00	5.10	-0.51	7.81	4.09	0.78	4.06	0.81	0.28	
2	10	4	1.63	0.64	-1.98	-1.38	0.03	1.11	-0.02	-0.13	-0.13	-0.03	-0.02
	3	2.51	0.17	-3.23	-0.69	-2.38	1.47	0.21	0.10	0.17	0.15	-0.06	
	5	1.43	-0.15	-1.75	-0.26	-1.65	-0.40	0.30	0.01	0.30	0.02	0.03	
	6	0.79	-0.11	-0.28	-0.21	-0.18	0.08	-0.06	-0.30	-0.30	-0.06	2.41e-03	
2	11	4	14.20	9.01	-4.30	4.89	-0.18	-6.15	3.77	0.73	3.75	0.76	-0.26
	3	23.15	32.42	2.09	4.80	29.72	-8.64	-0.74	-3.85	-3.85	-0.74	0.15	
	5	23.75	33.57	1.74	4.97	30.33	9.62	-0.78	-3.84	-3.84	-0.79	-0.15	
	6	14.79	9.72	-5.57	4.64	-0.49	7.21	3.75	0.72	3.72	0.74	0.26	
2	12	4	2.96	1.09	-2.84	-1.80	0.06	1.73	-0.10	-0.47	-0.47	-0.10	-1.02e-03
	3	4.44	-0.07	-6.21	-1.14	-5.14	2.33	0.54	0.20	0.52	0.22	-0.07	
	5	3.55	-0.34	-4.78	-0.71	-4.40	-1.24	0.65	0.08	0.65	0.09	0.05	
	6	1.98	0.17	-1.01	-0.68	-0.16	-0.52	-0.13	-0.64	-0.64	-0.13	-0.02	
2	13	4	15.54	9.87	-4.77	5.31	-0.21	-6.78	4.12	0.80	4.09	0.83	-0.29
	3	25.32	35.47	2.26	5.24	32.49	-9.49	-0.81	-4.21	-4.20	-0.81	0.16	
	5	25.90	36.60	1.92	5.42	33.09	10.46	-0.85	-4.19	-4.19	-0.86	-0.17	
	6	16.12	10.60	-6.00	5.10	-0.51	7.81	4.09	0.78	4.06	0.81	0.28	
2	14	4	1.63	0.63	-1.98	-1.38	0.03	1.10	-0.02	-0.13	-0.13	-0.03	-0.02
	3	2.51	0.16	-3.23	-0.69	-2.37	1.47	0.22	0.10	0.17	0.15	-0.06	
	5	1.43	-0.15	-1.75	-0.26	-1.64	-0.40	0.30	0.01	0.30	0.02	0.03	
	6	0.79	-0.12	-0.28	-0.21	-0.18	0.08	-0.06	-0.30	-0.30	-0.06	2.40e-03	
2	15	4	14.21	9.01	-4.30	4.89	-0.18	-6.16	3.77	0.73	3.75	0.76	-0.26
	3	23.16	32.43	2.09	4.80	29.73	-8.64	-0.74	-3.85	-3.85	-0.74	0.15	
	5	23.75	33.57	1.74	4.97	30.34	9.62	-0.78	-3.84	-3.84	-0.79	-0.15	
	6	14.79	9.72	-5.57	4.64	-0.49	7.20	3.75	0.72	3.72	0.74	0.26	
2	16	4	2.96	1.10	-2.84	-1.81	0.06	1.73	-0.10	-0.47	-0.47	-0.10	-1.02e-03
	3	4.44	-0.07	-6.22	-1.14	-5.14	2.33	0.54	0.20	0.52	0.22	-0.07	
	5	3.55	-0.34	-4.78	-0.71	-4.40	-1.23	0.65	0.08	0.65	0.09	0.05	
	6	1.98	0.16	-1.00	-0.68	-0.16	-0.52	-0.13	-0.64	-0.64	-0.13	-0.02	
2	17	4	15.54	9.88	-4.77	5.31	-0.21	-6.79	4.12	0.80	4.09	0.83	-0.29
	3	25.32	35.48	2.26	5.25	32.49	-9.50	-0.81	-4.21	-4.20	-0.81	0.16	
	5	25.90	36.60	1.92	5.43	33.09	10.45	-0.85	-4.19	-4.19	-0.86	-0.17	
	6	16.12	10.59	-6.00	5.10	-0.51	7.81	4.09	0.78	4.06	0.81	0.28	
2	18	4	1.63	0.64	-1.98	-1.38	0.03	1.11	-0.02	-0.13	-0.13	-0.03	-0.02
	3	2.51	0.17	-3.23	-0.69	-2.38	1.47	0.21	0.10	0.17	0.15	-0.06	
	5	1.43	-0.15	-1.75	-0.26	-1.65	-0.40	0.30	0.01	0.30	0.02	0.03	
	6	0.79	-0.11	-0.28	-0.21	-0.18	0.08	-0.06	-0.30	-0.30	-0.06	2.43e-03	
2	19	4	14.20	9.01	-4.30	4.89	-0.18	-6.15	3.77	0.73	3.75	0.76	-0.26
	3	23.15	32.42	2.09	4.80	29.72	-8.64	-0.74	-3.85	-3.85	-0.74	0.15	
	5	23.75	33.57	1.73	4.97	30.33	9.62	-0.78	-3.84	-3.84	-0.79	-0.15	
	6	14.79	9.72	-5.57	4.64	-0.49	7.21	3.75	0.72	3.72	0.74	0.26	
2	20	4	2.96	1.09	-2.84	-1.80	0.06	1.73	-0.10	-0.47	-0.47	-0.10	-1.02e-03
	3	4.44	-0.07	-6.21	-1.14	-5.14	2.33	0.54	0.20	0.52	0.22	-0.07	
	5	3.55	-0.34	-4.78	-0.71	-4.40	-1.24	0.65	0.08	0.65	0.09	0.05	
	6	1.98	0.17	-1.01	-0.68	-0.16	-0.52	-0.13	-0.64	-0.64	-0.13	-0.02	
2	21	4	15.54	9.87	-4.77	5.31	-0.21	-6.78	4.12	0.80	4.09	0.83	-0.29
	3	25.32	35.47	2.26	5.24	32.49	-9.49	-0.81	-4.21	-4.20	-0.81	0.16	
	5	25.90	36.60	1.92	5.42	33.09	10.46	-0.85	-4.19	-4.19	-0.86	-0.17	
	6	16.12	10.60	-6.00	5.10	-0.51	7.81	4.09	0.78	4.06	0.81	0.28	
2	22	4	1.63	0.63	-1.98	-1.38	0.03	1.10	-0.02	-0.13	-0.13	-0.03	-0.02
	3	2.51	0.16	-3.23	-0.69	-2.37	1.47	0.22	0.10	0.17	0.15	-0.06	
	5	1.43	-0.15	-1.75	-0.26	-1.64	-0.40	0.30	0.01	0.30	0.02	0.03	
	6	0.79	-0.12	-0.28	-0.21	-0.18	0.08	-0.06	-0.30	-0.30	-0.06	2.42e-03	
2	23	4	55.08	35.51	-18.64	18.04	-1.17	-25.32	14.35	2.77	14.27	2.86	-0.99
	3	89.49	125.83	7.28	18.61	114.50	-34.85	-2.91	-14.71	-14.68	-2.94	0.56	
	5	89.50	126.29	7.34	18.93	114.70	35.28	-2.87	-14.59	-14.56	-2.90	-0.59	
	6	55.57	36.54	-18.77	18.99	-1.22	25.74	14.21	2.74	14.13	2.83	0.97	
2	24	4	3.53	-0.13	-4.50	-4.27	-0.37	0.99	0.26	-0.05	0.20	0.01	-0.12
	3	3.13	0.29	-3.20	-1.17	-1.73	1.72	0.34	-0.20	-0.13	0.27	-0.17	
	5	1.63	0.48	-1.61	-0.03	-1.10	-0.89	0.40	1.20e-03	0.39	0.02	0.08	
	6	1.84	1.26	-0.13	1.26	-0.13	-5.61e-03	-0.06	-0.43	-0.42	-0.07	0.04	
2	25	4	55.48	35.77	-18.79	18.17	-1.18	-25.50	14.45	2.79	14.37	2.88	-1.00
	3	90.14	126.75	7.33	18.75	115.33	-35.11	-2.93	-14.82	-14.79	-2.96	0.57	
	5	90.15	127.20	7.39	19.06	115.53	35.53	-2.89	-14.69	-14.66	-2.92	-0.59	
	6	55.97	36.80	-18.90	19.13	-1.23	25.92	14.31	2.76	14.23	2.85	0.98	
2	26	4	3.59	-0.22	-4.30	-4.14	-0.38	0.80	0.36	-0.02	0.31	0.03	-0.13
	3	2.64	0.50	-2.44	-1.04	-0.90	1.46	0.30	-0.29	-0.24	0.25	-0.17	

		5	1.21	0.59	-0.76	0.11	-0.28	-0.64	0.30	-0.02	0.28	-8.61e-04	0.08
		6	1.69	1.42	-0.16	1.40	-0.14	0.18	-0.04	-0.33	-0.32	-0.04	0.05
2	27	4	55.08	35.51	-18.64	18.04	-1.17	-25.32	14.35	2.77	14.27	2.86	-0.99
		3	89.49	125.83	7.28	18.61	114.50	-34.85	-2.91	-14.71	-14.68	-2.94	0.56
		5	89.50	126.29	7.34	18.93	114.70	35.28	-2.87	-14.59	-14.56	-2.90	-0.59
		6	55.57	36.54	-18.77	18.99	-1.22	25.74	14.21	2.74	14.13	2.83	0.97
2	28	4	3.53	-0.13	-4.50	-4.27	-0.37	0.99	0.26	-0.05	0.20	0.01	-0.12
		3	3.13	0.29	-3.20	-1.17	-1.73	1.72	0.34	-0.20	-0.13	0.27	-0.17
		5	1.63	0.48	-1.61	-0.03	-1.10	-0.89	0.40	1.21e-03	0.39	0.02	0.08
		6	1.84	1.26	-0.13	1.26	-0.13	-5.61e-03	-0.06	-0.43	-0.42	-0.07	0.04
2	29	4	55.48	35.77	-18.79	18.17	-1.18	-25.50	14.45	2.79	14.37	2.88	-1.00
		3	90.14	126.75	7.33	18.75	115.33	-35.11	-2.93	-14.82	-14.79	-2.96	0.57
		5	90.15	127.20	7.39	19.06	115.53	35.53	-2.89	-14.69	-14.66	-2.92	-0.59
		6	55.97	36.80	-18.90	19.13	-1.23	25.92	14.31	2.76	14.23	2.85	0.98
2	30	4	3.59	-0.22	-4.30	-4.14	-0.38	0.80	0.36	-0.02	0.31	0.03	-0.13
		3	2.64	0.50	-2.44	-1.04	-0.90	1.46	0.30	-0.29	-0.24	0.25	-0.17
		5	1.21	0.59	-0.76	0.11	-0.28	-0.64	0.30	-0.02	0.28	-8.61e-04	0.08
		6	1.69	1.42	-0.16	1.40	-0.14	0.18	-0.04	-0.33	-0.32	-0.04	0.05
2	31	4	55.07	35.50	-18.63	18.03	-1.17	-25.30	14.35	2.77	14.26	2.86	-0.99
		3	89.48	125.81	7.28	18.61	114.49	-34.84	-2.91	-14.71	-14.69	-2.94	0.56
		5	89.50	126.28	7.32	18.92	114.69	35.29	-2.87	-14.59	-14.56	-2.90	-0.59
		6	55.57	36.55	-18.78	18.99	-1.22	25.75	14.21	2.74	14.13	2.83	0.97
2	32	4	3.53	-0.14	-4.50	-4.26	-0.37	0.98	0.26	-0.05	0.20	0.01	-0.12
		3	3.12	0.29	-3.17	-1.17	-1.72	1.71	0.34	-0.20	-0.13	0.27	-0.17
		5	1.64	0.50	-1.61	-0.02	-1.09	-0.91	0.41	1.50e-03	0.39	0.02	0.08
		6	1.84	1.26	-0.13	1.26	-0.13	-0.02	-0.06	-0.42	-0.42	-0.06	0.04
2	33	4	55.47	35.76	-18.78	18.16	-1.18	-25.49	14.45	2.79	14.37	2.88	-1.00
		3	90.13	126.73	7.33	18.74	115.32	-35.10	-2.93	-14.82	-14.79	-2.96	0.57
		5	90.15	127.19	7.38	19.06	115.51	35.54	-2.89	-14.69	-14.66	-2.92	-0.59
		6	55.97	36.81	-18.91	19.13	-1.23	25.94	14.31	2.76	14.23	2.85	0.98
2	34	4	3.58	-0.22	-4.29	-4.14	-0.38	0.79	0.36	-0.02	0.31	0.03	-0.13
		3	2.63	0.50	-2.41	-1.03	-0.88	1.45	0.30	-0.29	-0.24	0.25	-0.17
		5	1.22	0.61	-0.75	0.11	-0.26	-0.65	0.30	-0.02	0.28	-6.44e-04	0.08
		6	1.69	1.42	-0.15	1.40	-0.14	0.16	-0.04	-0.33	-0.32	-0.04	0.05
2	35	4	55.07	35.50	-18.63	18.03	-1.17	-25.30	14.35	2.77	14.26	2.86	-0.99
		3	89.48	125.81	7.28	18.61	114.49	-34.84	-2.91	-14.71	-14.69	-2.94	0.56
		5	89.50	126.28	7.32	18.92	114.69	35.29	-2.87	-14.59	-14.56	-2.90	-0.59
		6	55.57	36.55	-18.78	18.99	-1.22	25.75	14.21	2.74	14.13	2.83	0.97
2	36	4	3.53	-0.14	-4.50	-4.26	-0.37	0.98	0.26	-0.05	0.20	0.01	-0.12
		3	3.12	0.29	-3.17	-1.17	-1.72	1.71	0.34	-0.20	-0.13	0.27	-0.17
		5	1.64	0.50	-1.61	-0.02	-1.09	-0.91	0.41	1.51e-03	0.39	0.02	0.08
		6	1.84	1.26	-0.13	1.26	-0.13	-0.02	-0.06	-0.42	-0.42	-0.06	0.04
2	37	4	55.47	35.76	-18.78	18.16	-1.18	-25.49	14.45	2.79	14.37	2.88	-1.00
		3	90.13	126.73	7.33	18.74	115.32	-35.10	-2.93	-14.82	-14.79	-2.96	0.57
		5	90.15	127.19	7.38	19.06	115.51	35.54	-2.89	-14.69	-14.66	-2.92	-0.59
		6	55.97	36.81	-18.91	19.13	-1.23	25.94	14.31	2.76	14.23	2.85	0.98
2	38	4	3.58	-0.22	-4.29	-4.14	-0.38	0.79	0.36	-0.02	0.31	0.03	-0.13
		3	2.63	0.50	-2.41	-1.03	-0.88	1.45	0.30	-0.29	-0.24	0.25	-0.17
		5	1.22	0.61	-0.75	0.11	-0.26	-0.65	0.30	-0.02	0.28	-6.44e-04	0.08
		6	1.69	1.42	-0.15	1.40	-0.14	0.16	-0.04	-0.33	-0.32	-0.04	0.05
2	39	4	0.73	0.84	-0.43	0.23	0.18	0.63	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.76	0.46	-0.86	-0.09	-0.31	0.65	0.04	-6.47e-03	-5.86e-03	0.04	5.05e-03
		5	0.69	0.81	-0.33	0.03	0.45	0.53	-0.04	-0.04	-0.04	-0.04	-1.59e-03
		6	0.76	0.31	-0.98	-0.44	-0.23	0.64	0.04	-1.05e-03	0.04	-1.33e-05	6.43e-03
2	40	4	0.71	0.81	-0.43	0.21	0.17	0.62	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.74	0.43	-0.85	-0.11	-0.31	0.64	0.04	-4.98e-03	-4.36e-03	0.04	5.01e-03
		5	0.68	0.79	-0.32	0.02	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.66e-03
		6	0.76	0.29	-0.98	-0.46	-0.23	0.63	0.04	-7.29e-04	0.04	2.73e-04	6.43e-03
2	41	4	0.73	0.84	-0.43	0.23	0.18	0.63	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.76	0.46	-0.86	-0.09	-0.31	0.65	0.04	-6.45e-03	-5.84e-03	0.04	5.04e-03
		5	0.69	0.81	-0.33	0.03	0.45	0.53	-0.04	-0.04	-0.04	-0.04	-1.61e-03
		6	0.76	0.31	-0.98	-0.44	-0.23	0.64	0.04	-1.05e-03	0.04	-1.01e-05	6.46e-03
2	42	4	0.71	0.81	-0.43	0.21	0.17	0.62	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.74	0.43	-0.85	-0.11	-0.31	0.64	0.04	-4.95e-03	-4.34e-03	0.04	5.00e-03
		5	0.68	0.79	-0.32	0.02	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.68e-03
		6	0.76	0.29	-0.98	-0.46	-0.23	0.63	0.04	-7.24e-04	0.04	2.76e-04	6.43e-03
2	43	4	0.73	0.84	-0.43	0.23	0.18	0.63	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.76	0.46	-0.86	-0.09	-0.31	0.65	0.04	-6.66e-03	-6.05e-03	0.04	5.05e-03
		5	0.69	0.81	-0.33	0.03	0.45	0.53	-0.04	-0.04	-0.04	-0.04	-1.59e-03
		6	0.77	0.31	-0.98	-0.44	-0.23	0.64	0.04	-1.09e-03	0.04	-4.45e-05	6.47e-03
2	44	4	0.71	0.81	-0.42	0.21	0.17	0.62	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.74	0.43	-0.85	-0.11	-0.31	0.64	0.04	-4.79e-03	-4.17e-03	0.04	5.01e-03
		5	0.68	0.79	-0.32	0.02	0.45	0.51	-0.04	-0.04	-0.04	-0.04	-1.67e-03
		6	0.75	0.29	-0.98	-0.46	-0.23	0.62	0.04	-6.94e-04	0.04	3.04e-04	6.43e-03
2	45	4	0.73	0.84	-0.43	0.23	0.18	0.63	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.76	0.46	-0.86	-0.10	-0.31	0.65	0.04	-6.63e-03	-6.03e-03	0.04	5.04e-03
		5	0.69	0.81	-0.33	0.03	0.45	0.53	-0.04	-0.04	-0.04	-0.04	-1.60e-03

		6	0.77	0.31	-0.99	-0.44	-0.23	0.64	0.04	-1.08e-03	0.04	-4.13e-05	6.46e-03
2	46	4	0.71	0.81	-0.42	0.21	0.17	0.62	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.74	0.43	-0.85	-0.11	-0.31	0.64	0.04	-4.77e-03	-4.15e-03	0.04	5.00e-03
		5	0.68	0.79	-0.32	0.02	0.45	0.51	-0.04	-0.04	-0.04	-0.04	-1.68e-03
		6	0.75	0.29	-0.98	-0.46	-0.23	0.62	0.04	-6.88e-04	0.04	3.07e-04	6.42e-03
2	47	4	0.73	0.84	-0.43	0.23	0.18	0.63	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.76	0.46	-0.86	-0.09	-0.31	0.65	0.04	-6.47e-03	-5.86e-03	0.04	5.04e-03
		5	0.69	0.81	-0.33	0.03	0.45	0.53	-0.04	-0.04	-0.04	-0.04	-1.61e-03
		6	0.76	0.31	-0.98	-0.44	-0.23	0.64	0.04	-1.05e-03	0.04	-1.30e-05	6.46e-03
2	48	4	0.71	0.81	-0.43	0.21	0.17	0.62	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.74	0.43	-0.85	-0.11	-0.31	0.64	0.04	-4.97e-03	-4.36e-03	0.04	5.00e-03
		5	0.68	0.79	-0.32	0.02	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.68e-03
		6	0.76	0.29	-0.98	-0.46	-0.23	0.63	0.04	-7.27e-04	0.04	2.73e-04	6.43e-03
2	49	4	0.73	0.84	-0.43	0.23	0.18	0.63	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.76	0.46	-0.86	-0.09	-0.31	0.65	0.04	-6.45e-03	-5.84e-03	0.04	5.04e-03
		5	0.69	0.81	-0.33	0.03	0.45	0.53	-0.04	-0.04	-0.04	-0.04	-1.59e-03
		6	0.76	0.31	-0.98	-0.44	-0.23	0.64	0.04	-1.05e-03	0.04	-1.04e-05	6.47e-03
2	50	4	0.71	0.81	-0.43	0.21	0.17	0.62	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.74	0.43	-0.85	-0.11	-0.31	0.64	0.04	-4.95e-03	-4.34e-03	0.04	5.01e-03
		5	0.68	0.79	-0.32	0.02	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.68e-03
		6	0.76	0.29	-0.98	-0.46	-0.23	0.63	0.04	-7.26e-04	0.04	2.76e-04	6.43e-03
2	51	4	0.73	0.84	-0.43	0.23	0.18	0.63	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.76	0.46	-0.86	-0.09	-0.31	0.65	0.04	-6.65e-03	-6.05e-03	0.04	5.04e-03
		5	0.69	0.81	-0.33	0.03	0.45	0.53	-0.04	-0.04	-0.04	-0.04	-1.60e-03
		6	0.77	0.31	-0.98	-0.44	-0.23	0.64	0.04	-1.09e-03	0.04	-4.42e-05	6.46e-03
2	52	4	0.71	0.81	-0.42	0.21	0.17	0.62	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.74	0.43	-0.85	-0.11	-0.31	0.64	0.04	-4.79e-03	-4.17e-03	0.04	5.00e-03
		5	0.68	0.79	-0.32	0.02	0.45	0.51	-0.04	-0.04	-0.04	-0.04	-1.68e-03
		6	0.75	0.29	-0.98	-0.46	-0.23	0.62	0.04	-6.92e-04	0.04	3.04e-04	6.42e-03
2	53	4	0.73	0.84	-0.43	0.23	0.18	0.63	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.76	0.46	-0.86	-0.10	-0.31	0.65	0.04	-6.63e-03	-6.03e-03	0.04	5.05e-03
		5	0.69	0.81	-0.33	0.03	0.45	0.53	-0.04	-0.04	-0.04	-0.04	-1.59e-03
		6	0.77	0.31	-0.99	-0.44	-0.23	0.64	0.04	-1.09e-03	0.04	-4.15e-05	6.47e-03
2	54	4	0.71	0.81	-0.42	0.21	0.17	0.62	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.74	0.43	-0.85	-0.11	-0.31	0.64	0.04	-4.77e-03	-4.15e-03	0.04	5.00e-03
		5	0.68	0.79	-0.32	0.02	0.45	0.51	-0.04	-0.04	-0.04	-0.04	-1.67e-03
		6	0.75	0.29	-0.98	-0.46	-0.23	0.62	0.04	-6.91e-04	0.04	3.07e-04	6.43e-03
2	55	4	0.75	0.87	-0.43	0.25	0.18	0.65	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.77	0.48	-0.87	-0.07	-0.31	0.67	0.04	-8.21e-03	-7.61e-03	0.04	5.08e-03
		5	0.71	0.83	-0.33	0.05	0.45	0.55	-0.04	-0.04	-0.04	-0.04	-1.52e-03
		6	0.78	0.34	-0.99	-0.43	-0.22	0.66	0.04	-1.43e-03	0.04	-3.46e-04	6.50e-03
2	56	4	0.70	0.78	-0.42	0.19	0.17	0.60	0.03	0.01	0.03	0.01	-4.35e-03
		3	0.72	0.41	-0.85	-0.13	-0.31	0.62	0.04	-3.22e-03	-2.60e-03	0.04	4.97e-03
		5	0.67	0.77	-0.32	5.48e-03	0.45	0.50	-0.03	-0.04	-0.03	-0.04	-1.75e-03
		6	0.75	0.27	-0.97	-0.47	-0.23	0.61	0.04	-3.51e-04	0.04	6.08e-04	6.39e-03
2	57	4	0.75	0.87	-0.43	0.25	0.18	0.65	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.77	0.48	-0.87	-0.07	-0.31	0.67	0.04	-8.20e-03	-7.60e-03	0.04	5.08e-03
		5	0.71	0.83	-0.33	0.05	0.45	0.55	-0.04	-0.04	-0.04	-0.04	-1.52e-03
		6	0.78	0.34	-0.99	-0.43	-0.22	0.66	0.04	-1.43e-03	0.04	-3.45e-04	6.50e-03
2	58	4	0.70	0.78	-0.42	0.19	0.17	0.60	0.03	0.01	0.03	0.01	-4.35e-03
		3	0.72	0.41	-0.85	-0.13	-0.31	0.62	0.04	-3.22e-03	-2.59e-03	0.04	4.96e-03
		5	0.67	0.77	-0.32	5.45e-03	0.45	0.50	-0.03	-0.04	-0.03	-0.04	-1.75e-03
		6	0.75	0.27	-0.97	-0.47	-0.23	0.61	0.04	-3.49e-04	0.04	6.09e-04	6.39e-03
2	59	4	0.75	0.87	-0.43	0.25	0.18	0.65	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.77	0.48	-0.87	-0.07	-0.31	0.67	0.04	-8.21e-03	-7.61e-03	0.04	5.08e-03
		5	0.71	0.83	-0.33	0.05	0.45	0.55	-0.04	-0.04	-0.04	-0.04	-1.52e-03
		6	0.78	0.34	-0.99	-0.43	-0.22	0.66	0.04	-1.43e-03	0.04	-3.46e-04	6.50e-03
2	60	4	0.70	0.78	-0.42	0.19	0.17	0.60	0.03	0.01	0.03	0.01	-4.35e-03
		3	0.72	0.41	-0.85	-0.13	-0.31	0.62	0.04	-3.22e-03	-2.60e-03	0.04	4.96e-03
		5	0.67	0.77	-0.32	5.48e-03	0.45	0.50	-0.03	-0.04	-0.03	-0.04	-1.75e-03
		6	0.75	0.27	-0.97	-0.47	-0.23	0.61	0.04	-3.50e-04	0.04	6.08e-04	6.39e-03
2	61	4	0.75	0.87	-0.43	0.25	0.18	0.65	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.77	0.48	-0.87	-0.07	-0.31	0.67	0.04	-8.20e-03	-7.60e-03	0.04	5.08e-03
		5	0.71	0.83	-0.33	0.05	0.45	0.55	-0.04	-0.04	-0.04	-0.04	-1.52e-03
		6	0.78	0.34	-0.99	-0.43	-0.22	0.66	0.04	-1.43e-03	0.04	-3.45e-04	6.50e-03
2	62	4	0.70	0.78	-0.42	0.19	0.17	0.60	0.03	0.01	0.03	0.01	-4.35e-03
		3	0.72	0.41	-0.85	-0.13	-0.31	0.62	0.04	-3.22e-03	-2.59e-03	0.04	4.97e-03
		5	0.67	0.77	-0.32	5.45e-03	0.45	0.50	-0.03	-0.04	-0.03	-0.04	-1.75e-03
		6	0.75	0.27	-0.97	-0.47	-0.23	0.61	0.04	-3.50e-04	0.04	6.09e-04	6.39e-03
2	63	4	0.76	0.87	-0.44	0.25	0.18	0.65	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.78	0.49	-0.88	-0.08	-0.32	0.67	0.04	-8.83e-03	-8.23e-03	0.03	5.10e-03
		5	0.71	0.83	-0.34	0.04	0.44	0.55	-0.04	-0.04	-0.04	-0.04	-1.49e-03
		6	0.78	0.34	-0.99	-0.43	-0.22	0.66	0.04	-1.55e-03	0.04	-4.50e-04	6.51e-03
2	64	4	0.69	0.78	-0.42	0.19	0.17	0.60	0.03	0.01	0.03	0.01	-4.35e-03
		3	0.72	0.41	-0.84	-0.13	-0.30	0.62	0.04	-2.61e-03	-1.97e-03	0.04	4.95e-03
		5	0.67	0.78	-0.31	7.41e-03	0.46	0.49	-0.03	-0.04	-0.03	-0.04	-1.77e-03
		6	0.74	0.27	-0.97	-0.47	-0.23	0.60	0.04	-2.35e-04	0.04	7.12e-04	6.38e-03

2	65	4	0.76	0.87	-0.44	0.25	0.18	0.65	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.78	0.49	-0.88	-0.08	-0.32	0.67	0.04	-8.82e-03	-8.23e-03	0.03	5.10e-03
		5	0.71	0.83	-0.34	0.04	0.44	0.55	-0.04	-0.04	-0.04	-0.04	-1.50e-03
		6	0.78	0.34	-0.99	-0.43	-0.22	0.66	0.04	-1.55e-03	0.04	-4.49e-04	6.51e-03
2	66	4	0.69	0.78	-0.42	0.19	0.17	0.60	0.03	0.01	0.03	0.01	-4.35e-03
		3	0.72	0.41	-0.84	-0.13	-0.30	0.62	0.04	-2.60e-03	-1.97e-03	0.04	4.95e-03
		5	0.67	0.78	-0.31	7.38e-03	0.46	0.49	-0.03	-0.04	-0.03	-0.04	-1.78e-03
		6	0.74	0.27	-0.97	-0.47	-0.23	0.60	0.04	-2.33e-04	0.04	7.13e-04	6.38e-03
2	67	4	0.76	0.87	-0.44	0.25	0.18	0.65	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.78	0.49	-0.88	-0.08	-0.32	0.67	0.04	-8.82e-03	-8.23e-03	0.03	5.10e-03
		5	0.71	0.83	-0.34	0.04	0.44	0.55	-0.04	-0.04	-0.04	-0.04	-1.50e-03
		6	0.78	0.34	-0.99	-0.43	-0.22	0.66	0.04	-1.55e-03	0.04	-4.50e-04	6.51e-03
2	68	4	0.69	0.78	-0.42	0.19	0.17	0.60	0.03	0.01	0.03	0.01	-4.35e-03
		3	0.72	0.41	-0.84	-0.13	-0.30	0.62	0.04	-2.61e-03	-1.97e-03	0.04	4.95e-03
		5	0.67	0.78	-0.31	7.41e-03	0.46	0.49	-0.03	-0.04	-0.03	-0.04	-1.78e-03
		6	0.74	0.27	-0.97	-0.47	-0.23	0.60	0.04	-2.34e-04	0.04	7.12e-04	6.38e-03
2	69	4	0.76	0.87	-0.44	0.25	0.18	0.65	0.02	0.01	0.02	0.01	-4.35e-03
		3	0.78	0.49	-0.88	-0.08	-0.32	0.67	0.04	-8.82e-03	-8.23e-03	0.03	5.10e-03
		5	0.71	0.83	-0.34	0.04	0.44	0.55	-0.04	-0.04	-0.04	-0.04	-1.50e-03
		6	0.78	0.34	-0.99	-0.43	-0.22	0.66	0.04	-1.55e-03	0.04	-4.49e-04	6.51e-03
2	70	4	0.69	0.78	-0.42	0.19	0.17	0.60	0.03	0.01	0.03	0.01	-4.35e-03
		3	0.72	0.41	-0.84	-0.13	-0.30	0.62	0.04	-2.60e-03	-1.97e-03	0.04	4.95e-03
		5	0.67	0.78	-0.31	7.38e-03	0.46	0.49	-0.03	-0.04	-0.03	-0.04	-1.77e-03
		6	0.74	0.27	-0.97	-0.47	-0.23	0.60	0.04	-2.34e-04	0.04	7.13e-04	6.38e-03
2	71	4	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		5	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		6	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
2	72	4	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		5	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		6	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
2	73	4	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		5	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		6	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
2	74	4	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		5	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		6	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
2	75	4	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		5	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		6	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
2	76	4	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		3	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
		5	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		6	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
3	1	6	0.55	0.25	-0.42	-0.19	0.02	0.32	0.10	0.02	0.09	0.03	-0.02
		5	0.65	0.43	-0.57	-0.16	0.02	0.49	0.01	-0.06	-0.06	0.01	9.95e-03
		7	0.39	0.45	-0.10	-0.07	0.42	0.12	-0.03	-0.07	-0.07	-0.03	-8.91e-03
		8	0.60	0.03	-0.72	-0.50	-0.19	0.34	0.10	0.01	0.10	0.02	0.02
3	2	6	0.55	0.25	-0.42	-0.19	0.02	0.32	0.10	0.02	0.09	0.03	-0.02
		5	0.65	0.43	-0.57	-0.16	0.02	0.49	0.01	-0.06	-0.06	0.01	9.95e-03
		7	0.39	0.45	-0.10	-0.07	0.42	0.12	-0.03	-0.07	-0.07	-0.03	-8.91e-03
		8	0.60	0.03	-0.72	-0.50	-0.19	0.34	0.10	0.01	0.10	0.02	0.02
3	3	6	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		5	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		7	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		8	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
3	4	6	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		5	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		7	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		8	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
3	5	6	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		5	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		7	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		8	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
3	6	6	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		5	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		7	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		8	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
3	7	6	14.39	9.19	-4.77	4.71	-0.29	-6.52	3.78	0.73	3.76	0.75	-0.26
		5	23.41	32.85	1.99	4.86	29.99	-8.96	-0.76	-3.87	-3.87	-0.77	0.15
		7	23.57	33.22	1.88	4.95	30.16	-9.30	-0.76	-3.84	-3.84	-0.77	-0.15
		8	14.64	9.59	-5.12	4.84	-0.36	6.88	3.75	0.72	3.73	0.74	0.26
3	8	6	2.35	1.03	-1.68	-0.77	0.12	1.28	-0.10	-0.54	-0.54	-0.11	0.03

		5	3.92	-0.08	-5.54	-0.80	-4.82	1.85	0.58	0.13	0.58	0.13	-6.55e-03
		7	3.45	-0.44	-4.95	-0.93	-4.46	-1.41	0.56	0.10	0.56	0.10	0.02
		8	2.22	0.29	-1.75	-1.32	-0.14	-0.83	-0.10	-0.50	-0.50	-0.10	-0.03
3	9	6	15.73	10.07	-5.23	5.15	-0.32	-7.15	4.12	0.80	4.10	0.82	-0.29
		5	25.58	35.91	2.16	5.32	32.75	-9.82	-0.83	-4.22	-4.22	-0.84	0.16
		7	25.71	36.24	2.07	5.41	32.91	10.15	-0.83	-4.19	-4.19	-0.84	-0.16
		8	15.97	10.48	-5.54	5.32	-0.38	7.48	4.09	0.79	4.06	0.81	0.28
3	10	6	1.02	0.57	-0.80	-0.33	0.09	0.65	-0.04	-0.20	-0.20	-0.04	7.93e-03
		5	1.79	0.10	-2.51	-0.35	-2.06	0.98	0.23	0.06	0.23	0.06	6.15e-03
		7	1.31	-0.25	-1.93	-0.47	-1.71	-0.56	0.21	0.03	0.21	0.03	2.36e-03
		8	0.92	-0.09	-0.91	-0.84	-0.16	-0.23	-0.03	-0.17	-0.17	-0.03	-5.10e-03
3	11	6	14.38	9.18	-4.76	4.71	-0.29	-6.51	3.78	0.73	3.76	0.75	-0.26
		5	23.41	32.85	2.00	4.86	29.99	-8.95	-0.76	-3.87	-3.87	-0.77	0.15
		7	23.57	33.22	1.88	4.95	30.15	9.31	-0.76	-3.84	-3.84	-0.77	-0.15
		8	14.65	9.60	-5.12	4.84	-0.36	6.89	3.75	0.72	3.73	0.74	0.26
3	12	6	2.34	1.02	-1.67	-0.77	0.12	1.27	-0.10	-0.54	-0.53	-0.11	0.03
		5	3.92	-0.09	-5.54	-0.80	-4.82	1.84	0.58	0.13	0.58	0.13	-6.59e-03
		7	3.45	-0.44	-4.95	-0.93	-4.46	-1.41	0.56	0.10	0.56	0.10	0.02
		8	2.23	0.30	-1.76	-1.32	-0.14	-0.84	-0.10	-0.50	-0.50	-0.10	-0.03
3	13	6	15.72	10.06	-5.23	5.15	-0.32	-7.14	4.12	0.80	4.10	0.82	-0.29
		5	25.57	35.90	2.17	5.32	32.75	-9.81	-0.83	-4.23	-4.22	-0.84	0.16
		7	25.72	36.25	2.06	5.41	32.90	10.16	-0.83	-4.19	-4.19	-0.84	-0.16
		8	15.98	10.49	-5.55	5.32	-0.38	7.49	4.09	0.79	4.06	0.81	0.28
3	14	6	1.01	0.56	-0.79	-0.33	0.09	0.64	-0.04	-0.20	-0.20	-0.04	7.92e-03
		5	1.78	0.10	-2.50	-0.35	-2.06	0.98	0.23	0.06	0.23	0.06	6.11e-03
		7	1.31	-0.25	-1.93	-0.47	-1.71	-0.57	0.21	0.03	0.21	0.03	2.32e-03
		8	0.92	-0.09	-0.91	-0.84	-0.16	-0.23	-0.03	-0.17	-0.17	-0.03	-5.11e-03
3	15	6	14.39	9.19	-4.77	4.71	-0.29	-6.52	3.78	0.73	3.76	0.75	-0.26
		5	23.41	32.85	1.99	4.86	29.99	-8.96	-0.76	-3.87	-3.87	-0.77	0.15
		7	23.57	33.22	1.88	4.95	30.16	9.30	-0.76	-3.84	-3.84	-0.77	-0.15
		8	14.64	9.59	-5.12	4.84	-0.36	6.88	3.75	0.72	3.73	0.74	0.26
3	16	6	2.35	1.03	-1.68	-0.77	0.12	1.28	-0.10	-0.54	-0.54	-0.11	0.03
		5	3.92	-0.08	-5.54	-0.80	-4.82	1.85	0.58	0.13	0.58	0.13	-6.56e-03
		7	3.45	-0.44	-4.95	-0.93	-4.46	-1.41	0.56	0.10	0.56	0.10	0.02
		8	2.22	0.29	-1.75	-1.32	-0.14	-0.83	-0.10	-0.50	-0.50	-0.10	-0.03
3	17	6	15.73	10.07	-5.23	5.15	-0.32	-7.15	4.12	0.80	4.10	0.82	-0.29
		5	25.58	35.91	2.16	5.32	32.75	-9.82	-0.83	-4.22	-4.22	-0.84	0.16
		7	25.71	36.24	2.07	5.41	32.91	10.15	-0.83	-4.19	-4.19	-0.84	-0.16
		8	15.97	10.48	-5.54	5.32	-0.38	7.48	4.09	0.79	4.06	0.81	0.28
3	18	6	1.02	0.57	-0.80	-0.33	0.09	0.65	-0.04	-0.20	-0.20	-0.04	7.95e-03
		5	1.79	0.10	-2.51	-0.35	-2.06	0.98	0.23	0.06	0.23	0.06	6.16e-03
		7	1.31	-0.25	-1.93	-0.47	-1.71	-0.56	0.21	0.03	0.21	0.03	2.36e-03
		8	0.92	-0.09	-0.91	-0.84	-0.16	-0.23	-0.03	-0.17	-0.17	-0.03	-5.13e-03
3	19	6	14.38	9.18	-4.76	4.71	-0.29	-6.51	3.78	0.73	3.76	0.75	-0.26
		5	23.41	32.85	2.00	4.86	29.99	-8.95	-0.76	-3.87	-3.87	-0.77	0.15
		7	23.57	33.22	1.88	4.95	30.15	9.31	-0.76	-3.84	-3.84	-0.77	-0.15
		8	14.65	9.60	-5.12	4.84	-0.36	6.89	3.75	0.72	3.73	0.74	0.26
3	20	6	2.34	1.02	-1.67	-0.77	0.12	1.27	-0.10	-0.54	-0.53	-0.11	0.03
		5	3.92	-0.09	-5.54	-0.80	-4.82	1.84	0.58	0.13	0.58	0.13	-6.61e-03
		7	3.45	-0.44	-4.95	-0.93	-4.46	-1.41	0.56	0.10	0.56	0.10	0.02
		8	2.23	0.30	-1.76	-1.32	-0.14	-0.84	-0.10	-0.50	-0.50	-0.10	-0.03
3	21	6	15.72	10.06	-5.23	5.15	-0.32	-7.14	4.12	0.80	4.10	0.82	-0.29
		5	25.57	35.90	2.17	5.32	32.75	-9.81	-0.83	-4.23	-4.22	-0.84	0.16
		7	25.72	36.25	2.06	5.41	32.90	10.16	-0.83	-4.19	-4.19	-0.84	-0.16
		8	15.98	10.49	-5.55	5.32	-0.38	7.49	4.09	0.79	4.06	0.81	0.28
3	22	6	1.01	0.56	-0.79	-0.33	0.09	0.64	-0.04	-0.20	-0.20	-0.04	7.94e-03
		5	1.78	0.10	-2.50	-0.35	-2.06	0.98	0.23	0.06	0.23	0.06	6.12e-03
		7	1.31	-0.25	-1.93	-0.47	-1.71	-0.57	0.21	0.03	0.21	0.03	2.32e-03
		8	0.92	-0.09	-0.91	-0.84	-0.16	-0.23	-0.03	-0.17	-0.17	-0.03	-5.14e-03
3	23	6	55.24	36.06	-18.81	18.39	-1.15	-25.64	14.25	2.75	14.16	2.83	-0.97
		5	89.61	126.22	7.28	18.91	114.59	-35.33	-2.93	-14.67	-14.65	-2.95	0.54
		7	89.29	125.99	7.43	19.06	114.36	35.27	-2.85	-14.54	-14.51	-2.88	-0.56
		8	55.45	36.83	-18.22	19.59	-0.99	25.53	14.11	2.73	14.03	2.81	0.95
3	24	6	0.54	0.52	-0.18	0.12	0.21	0.35	-0.04	-0.15	-0.15	-0.04	0.01
		5	1.44	0.30	-1.71	0.03	-1.44	0.69	0.18	0.03	0.17	0.03	0.03
		7	0.84	-0.28	-1.27	-0.53	-1.02	-0.43	0.14	0.01	0.14	0.01	-2.29e-03
		8	0.74	-0.19	-0.99	-0.95	-0.23	-0.18	-7.90e-03	-0.07	-0.07	-8.03e-03	-2.79e-03
3	25	6	55.64	36.32	-18.95	18.53	-1.16	-25.83	14.35	2.77	14.27	2.85	-0.97
		5	90.25	127.14	7.33	19.04	115.42	-35.59	-2.95	-14.78	-14.75	-2.97	0.54
		7	89.93	126.90	7.48	19.20	115.18	35.52	-2.87	-14.64	-14.61	-2.90	-0.56
		8	55.85	37.09	-18.35	19.74	-0.99	25.71	14.21	2.75	14.13	2.83	0.96
3	26	6	0.30	0.40	0.07	0.26	0.21	0.16	-0.02	-0.05	-0.05	-0.02	3.30e-03
		5	0.83	0.36	-0.80	0.16	-0.61	0.43	0.08	-1.43e-03	0.07	0.01	0.03
		7	0.35	-0.09	-0.50	-0.40	-0.20	-0.18	0.04	-6.81e-03	0.03	-5.86e-03	-6.28e-03
		8	0.54	-0.24	-0.81	-0.81	-0.24	6.12e-03	0.04	0.01	0.04	0.01	4.01e-03
3	27	6	55.24	36.06	-18.81	18.39	-1.15	-25.64	14.25	2.75	14.16	2.83	-0.97
		5	89.61	126.22	7.28	18.91	114.59	-35.33	-2.93	-14.67	-14.65	-2.95	0.54

		7	89.29	125.99	7.43	19.06	114.36	35.27	-2.85	-14.54	-14.51	-2.88	-0.56
		8	55.45	36.83	-18.22	19.59	-0.99	25.53	14.11	2.73	14.03	2.81	0.95
3	28	6	0.54	0.52	-0.18	0.12	0.21	0.35	-0.04	-0.15	-0.15	-0.04	0.01
		5	1.44	0.30	-1.71	0.03	-1.44	0.69	0.18	0.03	0.17	0.03	0.03
		7	0.84	-0.28	-1.27	-0.53	-1.02	-0.43	0.14	0.01	0.14	0.01	-2.29e-03
		8	0.74	-0.19	-0.99	-0.95	-0.23	-0.18	-7.90e-03	-0.07	-0.07	-8.03e-03	-2.78e-03
3	29	6	55.64	36.32	-18.95	18.53	-1.16	-25.83	14.35	2.77	14.27	2.85	-0.97
		5	90.25	127.14	7.33	19.04	115.42	-35.59	-2.95	-14.78	-14.75	-2.97	0.54
		7	89.93	126.90	7.48	19.20	115.18	35.52	-2.87	-14.64	-14.61	-2.90	-0.56
		8	55.85	37.09	-18.35	19.74	-0.99	25.71	14.21	2.75	14.13	2.83	0.96
3	30	6	0.30	0.40	0.07	0.26	0.21	0.16	-0.02	-0.05	-0.05	-0.02	3.30e-03
		5	0.83	0.36	-0.80	0.16	-0.61	0.43	0.08	-1.44e-03	0.07	0.01	0.03
		7	0.35	-0.09	-0.50	-0.40	-0.20	-0.18	0.04	-6.81e-03	0.03	-5.86e-03	-6.28e-03
		8	0.54	-0.24	-0.81	-0.81	-0.24	6.12e-03	0.04	0.01	0.04	0.01	4.00e-03
3	31	6	55.22	36.03	-18.79	18.39	-1.15	-25.61	14.25	2.75	14.16	2.83	-0.97
		5	89.60	126.21	7.29	18.90	114.59	-35.30	-2.93	-14.67	-14.65	-2.95	0.54
		7	89.29	126.00	7.41	19.06	114.35	35.30	-2.85	-14.54	-14.51	-2.88	-0.56
		8	55.47	36.85	-18.25	19.59	-0.99	25.55	14.11	2.73	14.03	2.81	0.95
3	32	6	0.52	0.50	-0.16	0.13	0.21	0.32	-0.04	-0.15	-0.15	-0.04	0.01
		5	1.43	0.29	-1.70	0.03	-1.44	0.67	0.18	0.03	0.17	0.03	0.03
		7	0.85	-0.26	-1.29	-0.53	-1.01	-0.46	0.14	0.01	0.14	0.01	-2.41e-03
		8	0.75	-0.18	-1.00	-0.95	-0.23	-0.20	-7.82e-03	-0.07	-0.07	-7.96e-03	-2.82e-03
3	33	6	55.62	36.30	-18.93	18.52	-1.16	-25.80	14.35	2.77	14.27	2.85	-0.97
		5	90.25	127.12	7.34	19.04	115.42	-35.56	-2.95	-14.78	-14.76	-2.97	0.54
		7	89.94	126.91	7.47	19.20	115.18	35.55	-2.87	-14.64	-14.62	-2.90	-0.56
		8	55.87	37.12	-18.37	19.74	-0.99	25.74	14.21	2.75	14.13	2.83	0.96
3	34	6	0.29	0.37	0.09	0.26	0.21	0.14	-0.02	-0.05	-0.05	-0.02	3.27e-03
		5	0.81	0.34	-0.78	0.17	-0.61	0.41	0.08	-1.02e-03	0.07	0.01	0.03
		7	0.36	-0.06	-0.52	-0.39	-0.19	-0.20	0.04	-6.75e-03	0.03	-5.77e-03	-6.40e-03
		8	0.54	-0.24	-0.81	-0.81	-0.24	-0.02	0.04	0.01	0.04	0.01	3.98e-03
3	35	6	55.22	36.03	-18.79	18.39	-1.15	-25.61	14.25	2.75	14.16	2.83	-0.97
		5	89.60	126.21	7.29	18.90	114.59	-35.30	-2.93	-14.67	-14.65	-2.95	0.54
		7	89.29	126.00	7.41	19.06	114.35	35.30	-2.85	-14.54	-14.51	-2.88	-0.56
		8	55.47	36.85	-18.25	19.59	-0.99	25.55	14.11	2.73	14.03	2.81	0.95
3	36	6	0.52	0.50	-0.16	0.13	0.21	0.32	-0.04	-0.15	-0.15	-0.04	0.01
		5	1.43	0.29	-1.70	0.03	-1.44	0.67	0.18	0.03	0.17	0.03	0.03
		7	0.85	-0.26	-1.29	-0.53	-1.01	-0.46	0.14	0.01	0.14	0.01	-2.41e-03
		8	0.75	-0.18	-1.00	-0.95	-0.23	-0.20	-7.82e-03	-0.07	-0.07	-7.96e-03	-2.81e-03
3	37	6	55.62	36.30	-18.93	18.52	-1.16	-25.80	14.35	2.77	14.27	2.85	-0.97
		5	90.25	127.12	7.34	19.04	115.42	-35.56	-2.95	-14.78	-14.76	-2.97	0.54
		7	89.94	126.91	7.47	19.20	115.18	35.55	-2.87	-14.64	-14.62	-2.90	-0.56
		8	55.87	37.12	-18.37	19.74	-0.99	25.74	14.21	2.75	14.13	2.83	0.96
3	38	6	0.29	0.37	0.09	0.26	0.21	0.14	-0.02	-0.05	-0.05	-0.02	3.27e-03
		5	0.81	0.34	-0.78	0.17	-0.61	0.41	0.08	-1.02e-03	0.07	0.01	0.03
		7	0.36	-0.06	-0.52	-0.39	-0.19	-0.20	0.04	-6.75e-03	0.03	-5.77e-03	-6.40e-03
		8	0.54	-0.24	-0.81	-0.81	-0.24	-0.02	0.04	0.01	0.04	0.01	3.97e-03
3	39	6	0.43	0.22	-0.33	-0.14	0.02	0.26	0.08	0.02	0.07	0.02	-0.01
		5	0.52	0.35	-0.45	-0.11	0.01	0.39	0.01	-0.05	-0.05	8.95e-03	7.68e-03
		7	0.30	0.35	-0.09	-0.06	0.32	0.11	-0.02	-0.06	-0.06	-0.02	-6.80e-03
		8	0.47	0.04	-0.57	-0.39	-0.14	0.28	0.08	0.01	0.08	0.01	0.01
3	40	6	0.41	0.18	-0.31	-0.15	0.02	0.23	0.08	0.02	0.07	0.02	-0.01
		5	0.48	0.31	-0.42	-0.13	0.02	0.36	0.01	-0.05	-0.04	9.11e-03	7.63e-03
		7	0.29	0.34	-0.07	-0.06	0.33	0.08	-0.02	-0.06	-0.06	-0.02	-6.89e-03
		8	0.45	0.01	-0.54	-0.39	-0.14	0.25	0.08	0.01	0.08	0.01	0.01
3	41	6	0.43	0.22	-0.33	-0.14	0.02	0.26	0.08	0.02	0.07	0.02	-0.01
		5	0.52	0.35	-0.45	-0.11	0.01	0.39	0.01	-0.05	-0.05	8.97e-03	7.68e-03
		7	0.30	0.35	-0.09	-0.06	0.32	0.11	-0.02	-0.06	-0.06	-0.02	-6.82e-03
		8	0.47	0.04	-0.57	-0.39	-0.14	0.28	0.08	0.01	0.08	0.01	0.01
3	42	6	0.41	0.18	-0.31	-0.15	0.02	0.23	0.08	0.02	0.07	0.02	-0.01
		5	0.48	0.31	-0.42	-0.13	0.02	0.36	0.01	-0.05	-0.04	9.12e-03	7.63e-03
		7	0.29	0.34	-0.07	-0.06	0.33	0.08	-0.02	-0.06	-0.06	-0.02	-6.91e-03
		8	0.45	0.01	-0.54	-0.39	-0.14	0.25	0.08	0.01	0.08	0.01	0.01
3	43	6	0.43	0.22	-0.34	-0.14	0.02	0.27	0.08	0.02	0.07	0.02	-0.01
		5	0.52	0.35	-0.45	-0.11	0.01	0.40	0.01	-0.05	-0.05	8.93e-03	7.70e-03
		7	0.30	0.36	-0.09	-0.06	0.32	0.12	-0.02	-0.06	-0.06	-0.02	-6.79e-03
		8	0.47	0.04	-0.58	-0.39	-0.14	0.28	0.08	0.01	0.08	0.01	0.01
3	44	6	0.41	0.17	-0.31	-0.15	0.02	0.23	0.08	0.02	0.07	0.02	-0.01
		5	0.48	0.31	-0.42	-0.13	0.02	0.36	0.01	-0.05	-0.04	9.13e-03	7.61e-03
		7	0.29	0.34	-0.07	-0.06	0.33	0.08	-0.02	-0.06	-0.06	-0.02	-6.91e-03
		8	0.45	8.15e-03	-0.54	-0.39	-0.14	0.24	0.08	0.01	0.08	0.01	0.01
3	45	6	0.43	0.22	-0.34	-0.14	0.02	0.27	0.08	0.02	0.07	0.02	-0.01
		5	0.52	0.35	-0.45	-0.11	0.01	0.40	0.01	-0.05	-0.05	8.95e-03	7.70e-03
		7	0.30	0.36	-0.09	-0.06	0.32	0.12	-0.02	-0.06	-0.06	-0.02	-6.80e-03
		8	0.47	0.04	-0.58	-0.39	-0.14	0.28	0.08	0.01	0.08	0.01	0.01
3	46	6	0.41	0.17	-0.31	-0.15	0.02	0.23	0.08	0.02	0.07	0.02	-0.01
		5	0.48	0.31	-0.42	-0.13	0.02	0.36	0.01	-0.05	-0.04	9.14e-03	7.61e-03
		7	0.29	0.34	-0.07	-0.06	0.33	0.08	-0.02	-0.06	-0.06	-0.02	-6.92e-03



3	66	6	0.38	0.13	-0.28	-0.16	0.01	0.18	0.08	0.02	0.07	0.02	-0.01
		5	0.44	0.26	-0.38	-0.14	0.02	0.31	0.01	-0.04	-0.04	9.36e-03	7.51e-03
		7	0.29	0.33	-0.06	-0.05	0.33	0.03	-0.02	-0.06	-0.05	-0.02	-7.05e-03
		8	0.43	-0.03	-0.50	-0.39	-0.14	0.20	0.08	0.01	0.08	0.01	0.01
3	67	6	0.47	0.27	-0.37	-0.12	0.02	0.31	0.07	0.02	0.07	0.02	-0.01
		5	0.57	0.40	-0.49	-0.10	0.01	0.44	9.79e-03	-0.05	-0.05	8.71e-03	7.80e-03
		7	0.32	0.38	-0.12	-0.06	0.32	0.16	-0.02	-0.06	-0.06	-0.02	-6.66e-03
		8	0.50	0.09	-0.62	-0.39	-0.14	0.33	0.08	0.01	0.08	0.01	0.01
3	68	6	0.38	0.13	-0.28	-0.16	0.01	0.18	0.08	0.02	0.07	0.02	-0.01
		5	0.44	0.26	-0.38	-0.14	0.02	0.31	0.01	-0.04	-0.04	9.36e-03	7.51e-03
		7	0.29	0.33	-0.06	-0.05	0.33	0.03	-0.02	-0.06	-0.05	-0.02	-7.05e-03
		8	0.43	-0.03	-0.50	-0.39	-0.14	0.20	0.08	0.01	0.08	0.01	0.01
3	69	6	0.47	0.27	-0.37	-0.12	0.02	0.31	0.07	0.02	0.07	0.02	-0.01
		5	0.57	0.40	-0.49	-0.10	0.01	0.44	9.80e-03	-0.05	-0.05	8.72e-03	7.80e-03
		7	0.32	0.38	-0.12	-0.06	0.32	0.16	-0.02	-0.06	-0.06	-0.02	-6.66e-03
		8	0.50	0.09	-0.62	-0.39	-0.14	0.33	0.08	0.01	0.08	0.01	0.01
3	70	6	0.38	0.13	-0.28	-0.16	0.01	0.18	0.08	0.02	0.07	0.02	-0.01
		5	0.44	0.26	-0.38	-0.14	0.02	0.31	0.01	-0.04	-0.04	9.36e-03	7.51e-03
		7	0.29	0.33	-0.06	-0.05	0.33	0.03	-0.02	-0.06	-0.05	-0.02	-7.05e-03
		8	0.43	-0.03	-0.50	-0.39	-0.14	0.20	0.08	0.01	0.08	0.01	0.01
3	71	6	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		5	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		7	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		8	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
3	72	6	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		5	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		7	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		8	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
3	73	6	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		5	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		7	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		8	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
3	74	6	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		5	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		7	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		8	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
3	75	6	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		5	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		7	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		8	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
3	76	6	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		5	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		7	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		8	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
4	1	8	0.60	0.03	-0.72	-0.50	-0.19	-0.34	0.10	0.01	0.10	0.02	-0.02
		7	0.39	0.45	-0.10	-0.07	0.42	-0.12	-0.03	-0.07	-0.07	-0.03	8.91e-03
		9	0.65	0.43	-0.57	-0.16	0.02	-0.49	0.01	-0.06	-0.06	0.01	-9.95e-03
		10	0.55	0.25	-0.42	-0.19	0.02	-0.32	0.10	0.02	0.09	0.03	0.02
4	2	8	0.60	0.03	-0.72	-0.50	-0.19	-0.34	0.10	0.01	0.10	0.02	-0.02
		7	0.39	0.45	-0.10	-0.07	0.42	-0.12	-0.03	-0.07	-0.07	-0.03	8.91e-03
		9	0.65	0.43	-0.57	-0.16	0.02	-0.49	0.01	-0.06	-0.06	0.01	-9.95e-03
		10	0.55	0.25	-0.42	-0.19	0.02	-0.32	0.10	0.02	0.09	0.03	0.02
4	3	8	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		7	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		9	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		10	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
4	4	8	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		7	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		9	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		10	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
4	5	8	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		7	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		9	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		10	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
4	6	8	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		7	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		9	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		10	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
4	7	8	14.58	9.51	-5.03	4.84	-0.36	-6.79	3.75	0.72	3.73	0.74	-0.26
		7	23.53	33.17	1.94	4.95	30.16	-9.21	-0.76	-3.84	-3.84	-0.77	0.15
		9	23.47	32.91	1.91	4.83	29.99	9.05	-0.76	-3.87	-3.86	-0.76	-0.15
		10	14.44	9.25	-4.87	4.67	-0.29	6.61	3.78	0.73	3.76	0.75	0.26
4	8	8	2.18	0.22	-1.68	-1.32	-0.14	0.74	-0.10	-0.51	-0.50	-0.10	0.03
		7	3.40	-0.50	-4.90	-0.93	-4.46	1.32	0.56	0.10	0.56	0.10	-0.02
		9	3.99	7.78e-03	-5.60	-0.77	-4.82	-1.94	0.58	0.13	0.58	0.13	6.41e-03
		10	2.40	1.13	-1.74	-0.74	0.13	-1.37	-0.10	-0.54	-0.54	-0.11	-0.03
4	9	8	15.92	10.39	-5.46	5.32	-0.38	-7.39	4.09	0.79	4.06	0.81	-0.28

	7	25.67	36.19	2.12	5.41	32.91	-10.06	-0.83	-4.19	-4.18	-0.84	0.16	
	9	25.63	35.96	2.08	5.28	32.75	9.91	-0.83	-4.22	-4.22	-0.84	-0.16	
	10	15.77	10.13	-5.33	5.12	-0.32	7.24	4.13	0.80	4.10	0.82	0.29	
4	10	8	0.90	-0.13	-0.87	-0.84	-0.16	0.14	-0.03	-0.17	-0.17	-0.03	4.99e-03
	7	1.26	-0.31	-1.87	-0.47	-1.71	0.47	0.21	0.03	0.21	0.03	-2.60e-03	
	9	1.86	0.20	-2.57	-0.31	-2.06	-1.08	0.23	0.06	0.23	0.06	-6.31e-03	
	10	1.09	0.67	-0.86	-0.29	0.10	-0.74	-0.04	-0.20	-0.20	-0.04	-8.04e-03	
4	11	8	14.58	9.50	-5.02	4.84	-0.36	-6.78	3.75	0.72	3.73	0.74	-0.26
	7	23.52	33.16	1.94	4.95	30.16	-9.20	-0.76	-3.84	-3.84	-0.77	0.15	
	9	23.47	32.91	1.91	4.83	29.99	9.06	-0.76	-3.87	-3.86	-0.76	-0.15	
	10	14.44	9.26	-4.88	4.67	-0.29	6.62	3.78	0.73	3.76	0.75	0.26	
4	12	8	2.18	0.21	-1.67	-1.32	-0.14	0.73	-0.10	-0.51	-0.50	-0.10	0.03
	7	3.40	-0.50	-4.90	-0.93	-4.46	1.31	0.56	0.10	0.56	0.10	-0.02	
	9	3.99	0.01	-5.61	-0.77	-4.82	-1.95	0.58	0.13	0.58	0.13	6.37e-03	
	10	2.41	1.14	-1.75	-0.74	0.13	-1.38	-0.10	-0.54	-0.54	-0.11	-0.03	
4	13	8	15.91	10.39	-5.45	5.32	-0.38	-7.39	4.09	0.79	4.06	0.81	-0.28
	7	25.67	36.19	2.13	5.41	32.91	-10.05	-0.83	-4.19	-4.18	-0.84	0.16	
	9	25.63	35.96	2.08	5.28	32.75	9.92	-0.83	-4.22	-4.22	-0.84	-0.16	
	10	15.78	10.14	-5.34	5.12	-0.32	7.25	4.13	0.80	4.10	0.82	0.29	
4	14	8	0.90	-0.13	-0.87	-0.84	-0.16	0.13	-0.03	-0.17	-0.17	-0.03	4.98e-03
	7	1.26	-0.32	-1.87	-0.47	-1.71	0.46	0.21	0.03	0.21	0.03	-2.64e-03	
	9	1.87	0.20	-2.58	-0.32	-2.06	-1.08	0.23	0.06	0.23	0.06	-6.35e-03	
	10	1.10	0.68	-0.87	-0.29	0.10	-0.75	-0.04	-0.20	-0.20	-0.04	-8.05e-03	
4	15	8	14.58	9.51	-5.03	4.84	-0.36	-6.79	3.75	0.72	3.73	0.74	-0.26
	7	23.53	33.17	1.94	4.95	30.16	-9.21	-0.76	-3.84	-3.84	-0.77	0.15	
	9	23.47	32.91	1.91	4.83	29.99	9.05	-0.76	-3.87	-3.86	-0.76	-0.15	
	10	14.44	9.25	-4.87	4.67	-0.29	6.61	3.78	0.73	3.76	0.75	0.26	
4	16	8	2.18	0.22	-1.68	-1.32	-0.14	0.74	-0.10	-0.51	-0.50	-0.10	0.03
	7	3.40	-0.50	-4.90	-0.93	-4.46	1.32	0.56	0.10	0.56	0.10	-0.02	
	9	3.99	7.78e-03	-5.60	-0.77	-4.82	-1.94	0.58	0.13	0.58	0.13	6.40e-03	
	10	2.40	1.13	-1.74	-0.74	0.13	-1.37	-0.10	-0.54	-0.54	-0.11	-0.03	
4	17	8	15.92	10.39	-5.46	5.32	-0.38	-7.39	4.09	0.79	4.06	0.81	-0.28
	7	25.67	36.19	2.12	5.41	32.91	-10.06	-0.83	-4.19	-4.18	-0.84	0.16	
	9	25.63	35.96	2.08	5.28	32.75	9.91	-0.83	-4.22	-4.22	-0.84	-0.16	
	10	15.77	10.13	-5.33	5.12	-0.32	7.24	4.13	0.80	4.10	0.82	0.29	
4	18	8	0.90	-0.13	-0.87	-0.84	-0.16	0.14	-0.03	-0.17	-0.17	-0.03	4.96e-03
	7	1.26	-0.31	-1.87	-0.47	-1.71	0.47	0.21	0.03	0.21	0.03	-2.60e-03	
	9	1.86	0.20	-2.57	-0.31	-2.06	-1.08	0.23	0.06	0.23	0.06	-6.30e-03	
	10	1.09	0.67	-0.86	-0.29	0.10	-0.74	-0.04	-0.20	-0.20	-0.04	-8.02e-03	
4	19	8	14.58	9.50	-5.02	4.84	-0.36	-6.78	3.75	0.72	3.73	0.74	-0.26
	7	23.52	33.16	1.94	4.95	30.16	-9.20	-0.76	-3.84	-3.84	-0.77	0.15	
	9	23.47	32.91	1.91	4.83	29.99	9.06	-0.76	-3.87	-3.86	-0.76	-0.15	
	10	14.44	9.26	-4.88	4.67	-0.29	6.62	3.78	0.73	3.76	0.75	0.26	
4	20	8	2.18	0.21	-1.67	-1.32	-0.14	0.73	-0.10	-0.51	-0.50	-0.10	0.03
	7	3.40	-0.50	-4.90	-0.93	-4.46	1.31	0.56	0.10	0.56	0.10	-0.02	
	9	3.99	0.01	-5.61	-0.77	-4.82	-1.95	0.58	0.13	0.58	0.13	6.36e-03	
	10	2.41	1.14	-1.75	-0.74	0.13	-1.38	-0.10	-0.54	-0.54	-0.11	-0.03	
4	21	8	15.91	10.39	-5.45	5.32	-0.38	-7.39	4.09	0.79	4.06	0.81	-0.28
	7	25.67	36.19	2.13	5.41	32.91	-10.05	-0.83	-4.19	-4.18	-0.84	0.16	
	9	25.63	35.96	2.08	5.28	32.75	9.92	-0.83	-4.22	-4.22	-0.84	-0.16	
	10	15.78	10.14	-5.34	5.12	-0.32	7.25	4.13	0.80	4.10	0.82	0.29	
4	22	8	0.90	-0.13	-0.87	-0.84	-0.16	0.13	-0.03	-0.17	-0.17	-0.03	4.95e-03
	7	1.26	-0.32	-1.87	-0.47	-1.71	0.46	0.21	0.03	0.21	0.03	-2.64e-03	
	9	1.87	0.20	-2.58	-0.32	-2.06	-1.08	0.23	0.06	0.23	0.06	-6.34e-03	
	10	1.10	0.68	-0.87	-0.29	0.10	-0.75	-0.04	-0.20	-0.20	-0.04	-8.03e-03	
4	23	8	55.26	36.55	-17.94	19.59	-0.99	-25.22	14.11	2.73	14.03	2.81	-0.95
	7	89.15	125.82	7.61	19.07	114.37	-34.97	-2.85	-14.53	-14.51	-2.87	0.56	
	9	89.79	126.40	7.00	18.80	114.60	35.63	-2.93	-14.67	-14.64	-2.95	-0.53	
	10	55.40	36.26	-19.15	18.28	-1.17	25.94	14.25	2.75	14.17	2.83	0.97	
4	24	8	0.73	-0.21	-0.97	-0.95	-0.23	-0.13	-8.83e-03	-0.07	-0.07	-8.92e-03	2.31e-03
	7	0.70	-0.51	-1.06	-0.54	-1.03	0.13	0.13	0.01	0.13	0.01	1.48e-03	
	9	1.71	0.62	-1.93	0.14	-1.45	-1.00	0.17	0.03	0.17	0.03	-0.03	
	10	0.83	0.89	-0.42	0.24	0.24	-0.65	-0.04	-0.16	-0.16	-0.04	-0.01	
4	25	8	55.66	36.81	-18.07	19.74	-0.99	-25.41	14.21	2.75	14.13	2.83	-0.96
	7	89.79	126.73	7.67	19.20	115.20	-35.22	-2.87	-14.64	-14.61	-2.90	0.56	
	9	90.44	127.32	7.05	18.93	115.43	35.89	-2.95	-14.77	-14.75	-2.97	-0.54	
	10	55.80	36.52	-19.29	18.41	-1.18	26.13	14.36	2.77	14.27	2.85	0.97	
4	26	8	0.62	-0.10	-0.94	-0.81	-0.24	-0.31	0.03	0.01	0.03	0.01	-4.47e-03
	7	0.34	-0.15	-0.46	-0.40	-0.21	-0.13	0.03	-7.77e-03	0.03	-6.98e-03	5.47e-03	
	9	1.14	0.69	-1.03	0.28	-0.62	-0.74	0.08	-4.18e-03	0.06	0.01	-0.03	
	10	0.60	0.77	-0.17	0.37	0.23	-0.47	-0.02	-0.06	-0.06	-0.02	-3.61e-03	
4	27	8	55.26	36.55	-17.94	19.59	-0.99	-25.22	14.11	2.73	14.03	2.81	-0.95
	7	89.15	125.82	7.61	19.07	114.37	-34.97	-2.85	-14.53	-14.51	-2.87	0.56	
	9	89.79	126.40	7.00	18.80	114.60	35.63	-2.93	-14.67	-14.64	-2.95	-0.53	
	10	55.40	36.26	-19.15	18.28	-1.17	25.94	14.25	2.75	14.17	2.83	0.97	
4	28	8	0.73	-0.21	-0.97	-0.95	-0.23	-0.13	-8.83e-03	-0.07	-0.07	-8.92e-03	2.32e-03
	7	0.70	-0.51	-1.06	-0.54	-1.03	0.13	0.13	0.01	0.13	0.01	1.48e-03	

		9	1.71	0.62	-1.93	0.14	-1.45	-1.00	0.17	0.03	0.17	0.03	-0.03
		10	0.83	0.89	-0.42	0.24	0.24	-0.65	-0.04	-0.16	-0.16	-0.04	-0.01
4	29	8	55.66	36.81	-18.07	19.74	-0.99	-25.41	14.21	2.75	14.13	2.83	-0.96
		7	89.79	126.73	7.67	19.20	115.20	-35.22	-2.87	-14.64	-14.61	-2.90	0.56
		9	90.44	127.32	7.05	18.93	115.43	35.89	-2.95	-14.77	-14.75	-2.97	-0.54
		10	55.80	36.52	-19.29	18.41	-1.18	26.13	14.36	2.77	14.27	2.85	0.97
4	30	8	0.62	-0.10	-0.94	-0.81	-0.24	-0.31	0.03	0.01	0.03	0.01	-4.48e-03
		7	0.34	-0.15	-0.46	-0.40	-0.21	-0.13	0.03	-7.77e-03	0.03	-6.98e-03	5.47e-03
		9	1.14	0.69	-1.03	0.28	-0.62	-0.74	0.08	-4.18e-03	0.06	0.01	-0.03
		10	0.60	0.77	-0.17	0.37	0.23	-0.47	-0.02	-0.06	-0.06	-0.02	-3.61e-03
4	31	8	55.24	36.52	-17.92	19.59	-0.99	-25.20	14.11	2.73	14.03	2.81	-0.95
		7	89.14	125.81	7.63	19.07	114.38	-34.94	-2.85	-14.53	-14.51	-2.87	0.56
		9	89.80	126.41	6.98	18.80	114.60	35.66	-2.92	-14.67	-14.64	-2.95	-0.53
		10	55.42	36.28	-19.17	18.28	-1.17	25.97	14.25	2.75	14.17	2.83	0.97
4	32	8	0.74	-0.20	-0.98	-0.95	-0.23	-0.15	-8.91e-03	-0.07	-0.07	-8.99e-03	2.28e-03
		7	0.70	-0.52	-1.06	-0.54	-1.04	0.10	0.13	0.01	0.13	0.01	1.36e-03
		9	1.73	0.64	-1.94	0.13	-1.44	-1.02	0.17	0.03	0.16	0.03	-0.03
		10	0.86	0.92	-0.44	0.24	0.24	-0.68	-0.04	-0.16	-0.16	-0.04	-0.01
4	33	8	55.64	36.79	-18.04	19.74	-0.99	-25.38	14.21	2.75	14.13	2.83	-0.96
		7	89.78	126.72	7.69	19.21	115.20	-35.19	-2.87	-14.64	-14.61	-2.90	0.56
		9	90.45	127.33	7.03	18.94	115.43	35.92	-2.95	-14.77	-14.75	-2.97	-0.54
		10	55.82	36.55	-19.31	18.41	-1.18	26.16	14.36	2.77	14.27	2.85	0.97
4	34	8	0.64	-0.08	-0.96	-0.81	-0.24	-0.34	0.03	0.01	0.03	0.01	-4.50e-03
		7	0.35	-0.13	-0.49	-0.40	-0.22	-0.15	0.03	-7.83e-03	0.03	-7.06e-03	5.35e-03
		9	1.16	0.71	-1.05	0.27	-0.61	-0.76	0.08	-4.61e-03	0.06	0.01	-0.03
		10	0.63	0.80	-0.20	0.37	0.23	-0.49	-0.02	-0.06	-0.06	-0.02	-3.64e-03
4	35	8	55.24	36.52	-17.92	19.59	-0.99	-25.20	14.11	2.73	14.03	2.81	-0.95
		7	89.14	125.81	7.63	19.07	114.38	-34.94	-2.85	-14.53	-14.51	-2.87	0.56
		9	89.80	126.41	6.98	18.80	114.60	35.66	-2.92	-14.67	-14.64	-2.95	-0.53
		10	55.42	36.28	-19.17	18.28	-1.17	25.97	14.25	2.75	14.17	2.83	0.97
4	36	8	0.74	-0.20	-0.98	-0.95	-0.23	-0.15	-8.91e-03	-0.07	-0.07	-8.99e-03	2.29e-03
		7	0.70	-0.52	-1.06	-0.54	-1.04	0.10	0.13	0.01	0.13	0.01	1.36e-03
		9	1.73	0.64	-1.94	0.13	-1.44	-1.02	0.17	0.03	0.16	0.03	-0.03
		10	0.86	0.92	-0.44	0.24	0.24	-0.68	-0.04	-0.16	-0.16	-0.04	-0.01
4	37	8	55.64	36.79	-18.04	19.74	-0.99	-25.38	14.21	2.75	14.13	2.83	-0.96
		7	89.78	126.72	7.69	19.21	115.20	-35.19	-2.87	-14.64	-14.61	-2.90	0.56
		9	90.45	127.33	7.03	18.94	115.43	35.92	-2.95	-14.77	-14.75	-2.97	-0.54
		10	55.82	36.55	-19.31	18.41	-1.18	26.16	14.36	2.77	14.27	2.85	0.97
4	38	8	0.64	-0.08	-0.96	-0.81	-0.24	-0.34	0.03	0.01	0.03	0.01	-4.51e-03
		7	0.35	-0.13	-0.49	-0.40	-0.22	-0.15	0.03	-7.83e-03	0.03	-7.07e-03	5.35e-03
		9	1.16	0.71	-1.05	0.27	-0.61	-0.76	0.08	-4.61e-03	0.06	0.01	-0.03
		10	0.63	0.80	-0.20	0.37	0.23	-0.49	-0.02	-0.06	-0.06	-0.02	-3.63e-03
4	39	8	0.45	0.01	-0.54	-0.39	-0.14	-0.25	0.08	0.01	0.08	0.01	-0.01
		7	0.29	0.34	-0.07	-0.06	0.33	-0.08	-0.02	-0.06	-0.06	-0.02	6.89e-03
		9	0.48	0.31	-0.42	-0.13	0.02	-0.36	0.01	-0.05	-0.04	9.11e-03	-7.63e-03
		10	0.41	0.18	-0.31	-0.15	0.02	-0.23	0.08	0.02	0.07	0.02	0.01
4	40	8	0.47	0.04	-0.57	-0.39	-0.14	-0.28	0.08	0.01	0.08	0.01	-0.01
		7	0.30	0.35	-0.09	-0.06	0.32	-0.11	-0.02	-0.06	-0.06	-0.02	6.80e-03
		9	0.52	0.35	-0.45	-0.11	0.01	-0.39	0.01	-0.05	-0.05	8.95e-03	-7.68e-03
		10	0.43	0.22	-0.33	-0.14	0.02	-0.26	0.08	0.02	0.07	0.02	0.01
4	41	8	0.45	0.01	-0.54	-0.39	-0.14	-0.25	0.08	0.01	0.08	0.01	-0.01
		7	0.29	0.34	-0.07	-0.06	0.32	-0.08	-0.02	-0.06	-0.06	-0.02	6.91e-03
		9	0.48	0.31	-0.42	-0.13	0.02	-0.36	0.01	-0.05	-0.04	9.12e-03	-7.63e-03
		10	0.41	0.18	-0.31	-0.15	0.02	-0.23	0.08	0.02	0.07	0.02	0.01
4	42	8	0.47	0.04	-0.57	-0.39	-0.14	-0.28	0.08	0.01	0.08	0.01	-0.01
		7	0.30	0.35	-0.09	-0.06	0.32	-0.11	-0.02	-0.06	-0.06	-0.02	6.82e-03
		9	0.52	0.35	-0.45	-0.11	0.01	-0.39	0.01	-0.05	-0.05	8.97e-03	-7.69e-03
		10	0.43	0.22	-0.33	-0.14	0.02	-0.26	0.08	0.02	0.07	0.02	0.01
4	43	8	0.45	8.15e-03	-0.54	-0.39	-0.14	-0.24	0.08	0.01	0.08	0.01	-0.01
		7	0.29	0.34	-0.07	-0.06	0.33	-0.08	-0.02	-0.06	-0.06	-0.02	6.91e-03
		9	0.48	0.31	-0.42	-0.13	0.02	-0.36	0.01	-0.05	-0.04	9.13e-03	-7.61e-03
		10	0.41	0.17	-0.31	-0.15	0.02	-0.23	0.08	0.02	0.07	0.02	0.01
4	44	8	0.47	0.04	-0.58	-0.39	-0.14	-0.28	0.08	0.01	0.08	0.01	-0.01
		7	0.30	0.36	-0.09	-0.06	0.32	-0.12	-0.02	-0.06	-0.06	-0.02	6.79e-03
		9	0.52	0.35	-0.45	-0.11	0.01	-0.40	1.00e-02	-0.05	-0.05	8.93e-03	-7.70e-03
		10	0.43	0.22	-0.34	-0.14	0.02	-0.27	0.08	0.02	0.07	0.02	0.01
4	45	8	0.45	8.14e-03	-0.54	-0.39	-0.14	-0.24	0.08	0.01	0.08	0.01	-0.01
		7	0.29	0.34	-0.07	-0.06	0.33	-0.08	-0.02	-0.06	-0.06	-0.02	6.92e-03
		9	0.48	0.31	-0.42	-0.13	0.02	-0.36	0.01	-0.05	-0.04	9.14e-03	-7.61e-03
		10	0.41	0.17	-0.31	-0.15	0.02	-0.23	0.08	0.02	0.07	0.02	0.01
4	46	8	0.47	0.04	-0.58	-0.39	-0.14	-0.28	0.08	0.01	0.08	0.01	-0.01
		7	0.30	0.36	-0.09	-0.06	0.32	-0.12	-0.02	-0.06	-0.06	-0.02	6.80e-03
		9	0.52	0.35	-0.45	-0.11	0.01	-0.40	0.01	-0.05	-0.05	8.95e-03	-7.70e-03
		10	0.43	0.22	-0.34	-0.14	0.02	-0.27	0.08	0.02	0.07	0.02	0.01
4	47	8	0.45	0.01	-0.54	-0.39	-0.14	-0.25	0.08	0.01	0.08	0.01	-0.01
		7	0.29	0.34	-0.07	-0.06	0.33	-0.08	-0.02	-0.06	-0.06	-0.02	6.89e-03
		9	0.48	0.31	-0.42	-0.13	0.02	-0.36	0.01	-0.05	-0.04	9.11e-03	-7.63e-03



4	67	8	0.43	-0.03	-0.50	-0.39	-0.14	-0.20	0.08	0.01	0.08	0.01	-0.01
		7	0.29	0.33	-0.06	-0.05	0.33	-0.03	-0.02	-0.06	-0.05	-0.02	7.05e-03
		9	0.44	0.26	-0.38	-0.14	0.02	-0.31	0.01	-0.04	-0.04	9.36e-03	-7.51e-03
		10	0.38	0.13	-0.28	-0.16	0.01	-0.18	0.08	0.02	0.07	0.02	0.01
4	68	8	0.50	0.09	-0.62	-0.39	-0.14	-0.33	0.08	0.01	0.08	0.01	-0.01
		7	0.32	0.38	-0.12	-0.06	0.32	-0.16	-0.02	-0.06	-0.06	-0.02	6.66e-03
		9	0.57	0.40	-0.49	-0.10	0.01	-0.44	9.79e-03	-0.05	-0.05	8.71e-03	-7.80e-03
		10	0.47	0.27	-0.37	-0.12	0.02	-0.31	0.07	0.02	0.07	0.02	0.01
4	69	8	0.43	-0.03	-0.50	-0.39	-0.14	-0.20	0.08	0.01	0.08	0.01	-0.01
		7	0.29	0.33	-0.06	-0.05	0.33	-0.03	-0.02	-0.06	-0.05	-0.02	7.05e-03
		9	0.44	0.26	-0.38	-0.14	0.02	-0.31	0.01	-0.04	-0.04	9.36e-03	-7.51e-03
		10	0.38	0.13	-0.28	-0.16	0.01	-0.18	0.08	0.02	0.07	0.02	0.01
4	70	8	0.50	0.09	-0.62	-0.39	-0.14	-0.33	0.08	0.01	0.08	0.01	-0.01
		7	0.32	0.38	-0.12	-0.06	0.32	-0.16	-0.02	-0.06	-0.06	-0.02	6.66e-03
		9	0.57	0.40	-0.49	-0.10	0.01	-0.44	9.80e-03	-0.05	-0.05	8.72e-03	-7.80e-03
		10	0.47	0.27	-0.37	-0.12	0.02	-0.31	0.07	0.02	0.07	0.02	0.01
4	71	8	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		7	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		9	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		10	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
4	72	8	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		7	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		9	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		10	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
4	73	8	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		7	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		9	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		10	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
4	74	8	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		7	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		9	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		10	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
4	75	8	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		7	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		9	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		10	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
4	76	8	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		7	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		9	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		10	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
5	1	10	0.99	0.39	-1.28	-0.59	-0.30	-0.82	0.05	-1.16e-03	0.05	1.71e-04	-8.38e-03
		9	0.89	1.04	-0.42	0.03	0.58	-0.68	-0.05	-0.05	-0.05	-0.05	2.13e-03
		11	0.97	0.58	-1.12	-0.13	-0.40	-0.84	0.05	-7.42e-03	-6.63e-03	0.05	-6.53e-03
		12	0.94	1.07	-0.56	0.29	0.23	-0.81	0.03	0.02	0.03	0.02	5.65e-03
5	2	10	0.99	0.39	-1.28	-0.59	-0.30	-0.82	0.05	-1.16e-03	0.05	1.71e-04	-8.38e-03
		9	0.89	1.04	-0.42	0.03	0.58	-0.68	-0.05	-0.05	-0.05	-0.05	2.13e-03
		11	0.97	0.58	-1.12	-0.13	-0.40	-0.84	0.05	-7.42e-03	-6.63e-03	0.05	-6.53e-03
		12	0.94	1.07	-0.56	0.29	0.23	-0.81	0.03	0.02	0.03	0.02	5.65e-03
5	3	10	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		9	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
5	4	10	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		9	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
5	5	10	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		9	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
5	6	10	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		9	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
5	7	10	14.76	9.66	-5.55	4.60	-0.49	-7.17	3.75	0.72	3.73	0.74	-0.26
		9	23.74	33.55	1.73	4.94	30.34	-9.58	-0.78	-3.84	-3.83	-0.79	0.15
		11	23.19	32.45	2.03	4.75	29.73	8.68	-0.73	-3.85	-3.84	-0.74	-0.15
		12	14.21	9.01	-4.36	4.84	-0.19	6.20	3.78	0.74	3.75	0.76	0.26
5	8	10	1.95	0.14	-0.94	-0.65	-0.15	0.48	-0.13	-0.64	-0.64	-0.13	0.02
		9	3.55	-0.33	-4.76	-0.68	-4.41	1.20	0.65	0.08	0.64	0.09	-0.05
		11	4.46	-2.70e-03	-6.24	-1.09	-5.15	-2.37	0.53	0.20	0.52	0.22	0.07
		12	2.97	1.15	-2.84	-1.76	0.07	-1.77	-0.10	-0.47	-0.47	-0.10	1.02e-03
5	9	10	16.09	10.53	-5.98	5.07	-0.52	-7.77	4.09	0.78	4.07	0.81	-0.28
		9	25.89	36.57	1.91	5.39	33.10	-10.42	-0.85	-4.19	-4.18	-0.86	0.17
		11	25.35	35.50	2.20	5.20	32.49	9.54	-0.81	-4.20	-4.20	-0.81	-0.16
		12	15.55	9.88	-4.83	5.27	-0.22	6.82	4.12	0.80	4.10	0.83	0.29
5	10	10	0.79	-0.06	-0.30	-0.18	-0.18	-0.12	-0.06	-0.30	-0.30	-0.06	-2.52e-03

		9	1.43	-0.14	-1.74	-0.23	-1.65	0.36	0.30	0.01	0.29	0.02	-0.03
		11	2.54	0.23	-3.25	-0.65	-2.38	-1.51	0.21	0.10	0.16	0.15	0.06
		12	1.65	0.69	-1.98	-1.33	0.04	-1.14	-0.02	-0.14	-0.13	-0.03	0.02
5	11	10	14.75	9.66	-5.55	4.60	-0.49	-7.16	3.75	0.72	3.73	0.74	-0.26
		9	23.74	33.55	1.74	4.94	30.35	-9.58	-0.78	-3.84	-3.83	-0.79	0.15
		11	23.19	32.45	2.03	4.75	29.73	8.68	-0.73	-3.85	-3.84	-0.74	-0.15
		12	14.22	9.02	-4.36	4.84	-0.19	6.20	3.78	0.74	3.75	0.76	0.26
5	12	10	1.95	0.14	-0.94	-0.65	-0.15	0.48	-0.13	-0.64	-0.64	-0.13	0.02
		9	3.55	-0.33	-4.76	-0.68	-4.41	1.19	0.65	0.08	0.64	0.09	-0.05
		11	4.47	-2.27e-03	-6.24	-1.10	-5.15	-2.37	0.53	0.20	0.52	0.22	0.07
		12	2.98	1.15	-2.84	-1.76	0.07	-1.77	-0.10	-0.47	-0.47	-0.10	1.02e-03
5	13	10	16.08	10.53	-5.98	5.07	-0.52	-7.77	4.09	0.78	4.07	0.81	-0.28
		9	25.89	36.58	1.92	5.40	33.10	-10.41	-0.85	-4.19	-4.18	-0.86	0.17
		11	25.36	35.50	2.20	5.20	32.50	9.54	-0.81	-4.20	-4.19	-0.81	-0.16
		12	15.55	9.88	-4.83	5.27	-0.22	6.83	4.12	0.80	4.10	0.83	0.29
5	14	10	0.79	-0.06	-0.30	-0.18	-0.18	-0.12	-0.06	-0.30	-0.30	-0.06	-2.53e-03
		9	1.43	-0.14	-1.74	-0.23	-1.66	0.36	0.30	0.01	0.29	0.02	-0.03
		11	2.55	0.23	-3.26	-0.65	-2.38	-1.52	0.21	0.10	0.16	0.15	0.06
		12	1.65	0.69	-1.98	-1.33	0.04	-1.15	-0.02	-0.14	-0.13	-0.03	0.02
5	15	10	14.76	9.66	-5.55	4.60	-0.49	-7.17	3.75	0.72	3.73	0.74	-0.26
		9	23.74	33.55	1.73	4.94	30.34	-9.58	-0.78	-3.84	-3.83	-0.79	0.15
		11	23.19	32.45	2.03	4.75	29.73	8.68	-0.73	-3.85	-3.84	-0.74	-0.15
		12	14.21	9.01	-4.36	4.84	-0.19	6.20	3.78	0.74	3.75	0.76	0.26
5	16	10	1.95	0.14	-0.94	-0.65	-0.15	0.48	-0.13	-0.64	-0.64	-0.13	0.02
		9	3.55	-0.33	-4.76	-0.68	-4.41	1.20	0.65	0.08	0.64	0.09	-0.05
		11	4.46	-2.71e-03	-6.24	-1.09	-5.15	-2.37	0.53	0.20	0.52	0.22	0.07
		12	2.97	1.15	-2.84	-1.76	0.07	-1.77	-0.10	-0.47	-0.47	-0.10	1.02e-03
5	17	10	16.08	10.53	-5.98	5.07	-0.52	-7.77	4.09	0.78	4.07	0.81	-0.28
		9	25.89	36.57	1.91	5.39	33.10	-10.42	-0.85	-4.19	-4.18	-0.86	0.17
		11	25.35	35.50	2.20	5.20	32.49	9.54	-0.81	-4.20	-4.20	-0.81	-0.16
		12	15.55	9.88	-4.83	5.27	-0.22	6.82	4.12	0.80	4.10	0.83	0.29
5	18	10	0.79	-0.06	-0.30	-0.18	-0.18	-0.12	-0.06	-0.30	-0.30	-0.06	-2.51e-03
		9	1.43	-0.14	-1.74	-0.23	-1.65	0.36	0.30	0.01	0.29	0.02	-0.03
		11	2.54	0.23	-3.25	-0.65	-2.38	-1.51	0.21	0.10	0.16	0.15	0.06
		12	1.65	0.69	-1.98	-1.33	0.04	-1.14	-0.02	-0.14	-0.13	-0.03	0.02
5	19	10	14.75	9.66	-5.55	4.60	-0.49	-7.16	3.75	0.72	3.73	0.74	-0.26
		9	23.74	33.55	1.74	4.94	30.35	-9.58	-0.78	-3.84	-3.83	-0.79	0.15
		11	23.19	32.45	2.03	4.75	29.73	8.68	-0.73	-3.85	-3.84	-0.74	-0.15
		12	14.22	9.02	-4.36	4.84	-0.19	6.20	3.78	0.74	3.75	0.76	0.26
5	20	10	1.95	0.14	-0.94	-0.65	-0.15	0.48	-0.13	-0.64	-0.64	-0.13	0.02
		9	3.55	-0.33	-4.76	-0.68	-4.41	1.19	0.65	0.08	0.64	0.09	-0.05
		11	4.47	-2.27e-03	-6.24	-1.10	-5.15	-2.37	0.53	0.20	0.52	0.22	0.07
		12	2.98	1.15	-2.84	-1.76	0.07	-1.77	-0.10	-0.47	-0.47	-0.10	1.02e-03
5	21	10	16.08	10.53	-5.98	5.07	-0.52	-7.77	4.09	0.78	4.07	0.81	-0.28
		9	25.89	36.58	1.92	5.40	33.10	-10.41	-0.85	-4.19	-4.18	-0.86	0.17
		11	25.36	35.50	2.20	5.20	32.50	9.54	-0.81	-4.20	-4.19	-0.81	-0.16
		12	15.55	9.88	-4.83	5.27	-0.22	6.83	4.12	0.80	4.10	0.83	0.29
5	22	10	0.79	-0.06	-0.30	-0.18	-0.18	-0.12	-0.06	-0.30	-0.30	-0.06	-2.51e-03
		9	1.43	-0.14	-1.74	-0.23	-1.66	0.36	0.30	0.01	0.29	0.02	-0.03
		11	2.55	0.23	-3.26	-0.65	-2.38	-1.52	0.21	0.10	0.16	0.15	0.06
		12	1.65	0.69	-1.98	-1.33	0.04	-1.15	-0.02	-0.14	-0.13	-0.03	0.02
5	23	10	55.46	36.34	-18.71	18.88	-1.24	-25.62	14.22	2.75	14.14	2.83	-0.97
		9	89.48	126.22	7.31	18.82	114.71	-35.15	-2.87	-14.57	-14.54	-2.90	0.59
		11	89.60	125.89	7.07	18.46	114.51	34.98	-2.91	-14.70	-14.67	-2.94	-0.56
		12	55.11	35.51	-18.83	17.88	-1.20	25.44	14.36	2.78	14.28	2.86	0.99
5	24	10	1.92	1.39	-0.12	1.38	-0.11	-0.12	-0.06	-0.44	-0.43	-0.07	-0.04
		9	1.53	0.46	-1.49	0.08	-1.11	0.77	0.39	-2.11e-03	0.37	0.02	-0.09
		11	3.27	0.50	-3.26	-1.02	-1.73	-1.85	0.33	-0.21	-0.15	0.27	0.17
		12	3.49	-0.03	-4.41	-4.11	-0.34	-1.11	0.25	-0.05	0.19	7.71e-03	0.12
5	25	10	55.85	36.60	-18.84	19.02	-1.25	-25.80	14.33	2.77	14.24	2.85	-0.98
		9	90.12	127.12	7.37	18.95	115.54	-35.40	-2.89	-14.68	-14.65	-2.92	0.59
		11	90.25	126.81	7.12	18.60	115.34	35.24	-2.93	-14.80	-14.78	-2.96	-0.57
		12	55.51	35.77	-18.97	18.01	-1.21	25.63	14.47	2.80	14.38	2.88	1.00
5	26	10	1.79	1.57	-0.17	1.52	-0.11	-0.30	-0.04	-0.34	-0.33	-0.05	-0.05
		9	1.04	0.54	-0.61	0.22	-0.28	0.52	0.29	-0.03	0.27	-3.43e-03	-0.08
		11	2.79	0.69	-2.48	-0.89	-0.90	-1.59	0.30	-0.30	-0.25	0.25	0.17
		12	3.54	-0.13	-4.20	-3.98	-0.35	-0.92	0.34	-0.02	0.29	0.03	0.13
5	27	10	55.46	36.34	-18.71	18.88	-1.24	-25.62	14.22	2.75	14.14	2.83	-0.97
		9	89.48	126.22	7.31	18.82	114.71	-35.15	-2.87	-14.57	-14.54	-2.90	0.59
		11	89.60	125.89	7.07	18.46	114.51	34.98	-2.91	-14.70	-14.67	-2.94	-0.56
		12	55.11	35.51	-18.83	17.88	-1.20	25.44	14.36	2.78	14.28	2.86	0.99
5	28	10	1.92	1.39	-0.12	1.38	-0.11	-0.12	-0.06	-0.44	-0.43	-0.07	-0.04
		9	1.53	0.46	-1.49	0.08	-1.11	0.77	0.39	-2.12e-03	0.37	0.02	-0.09
		11	3.27	0.50	-3.26	-1.02	-1.73	-1.85	0.33	-0.21	-0.15	0.27	0.17
		12	3.49	-0.03	-4.41	-4.11	-0.34	-1.11	0.25	-0.05	0.19	7.71e-03	0.12
5	29	10	55.85	36.60	-18.84	19.02	-1.25	-25.80	14.33	2.77	14.24	2.85	-0.98
		9	90.12	127.12	7.37	18.95	115.54	-35.40	-2.89	-14.68	-14.65	-2.92	0.59

		11	90.25	126.81	7.12	18.60	115.34	35.24	-2.93	-14.80	-14.78	-2.96	-0.57
		12	55.51	35.77	-18.97	18.01	-1.21	25.63	14.47	2.80	14.38	2.88	1.00
5	30	10	1.79	1.57	-0.17	1.52	-0.11	-0.30	-0.04	-0.34	-0.33	-0.05	-0.05
		9	1.04	0.54	-0.61	0.22	-0.28	0.52	0.29	-0.03	0.27	-3.43e-03	-0.08
		11	2.79	0.69	-2.48	-0.89	-0.90	-1.59	0.30	-0.30	-0.25	0.25	0.17
		12	3.54	-0.13	-4.20	-3.98	-0.35	-0.92	0.34	-0.02	0.29	0.03	0.13
5	31	10	55.45	36.33	-18.70	18.88	-1.24	-25.61	14.22	2.75	14.14	2.83	-0.97
		9	89.48	126.22	7.33	18.82	114.73	-35.14	-2.87	-14.57	-14.54	-2.90	0.59
		11	89.61	125.92	7.07	18.47	114.52	34.99	-2.91	-14.70	-14.67	-2.94	-0.56
		12	55.12	35.52	-18.84	17.88	-1.20	25.45	14.37	2.78	14.28	2.86	0.99
5	32	10	1.93	1.39	-0.12	1.37	-0.11	-0.13	-0.06	-0.44	-0.44	-0.07	-0.04
		9	1.52	0.44	-1.49	0.07	-1.13	0.76	0.39	-2.42e-03	0.37	0.02	-0.09
		11	3.28	0.50	-3.28	-1.03	-1.75	-1.86	0.33	-0.21	-0.15	0.27	0.17
		12	3.49	-0.03	-4.42	-4.11	-0.34	-1.12	0.25	-0.05	0.19	7.38e-03	0.12
5	33	10	55.85	36.59	-18.82	19.02	-1.25	-25.79	14.33	2.77	14.24	2.85	-0.98
		9	90.12	127.13	7.38	18.96	115.55	-35.39	-2.89	-14.68	-14.65	-2.92	0.59
		11	90.26	126.83	7.12	18.60	115.35	35.25	-2.93	-14.80	-14.78	-2.96	-0.57
		12	55.52	35.78	-18.98	18.01	-1.21	25.64	14.47	2.80	14.38	2.88	1.00
5	34	10	1.79	1.57	-0.17	1.51	-0.11	-0.31	-0.04	-0.34	-0.33	-0.05	-0.05
		9	1.03	0.52	-0.61	0.21	-0.30	0.51	0.29	-0.03	0.27	-3.64e-03	-0.08
		11	2.81	0.69	-2.51	-0.89	-0.92	-1.60	0.30	-0.31	-0.25	0.25	0.17
		12	3.54	-0.12	-4.21	-3.98	-0.35	-0.93	0.34	-0.02	0.29	0.03	0.13
5	35	10	55.45	36.33	-18.70	18.88	-1.24	-25.61	14.22	2.75	14.14	2.83	-0.97
		9	89.48	126.22	7.33	18.82	114.73	-35.14	-2.87	-14.57	-14.54	-2.90	0.59
		11	89.61	125.92	7.07	18.47	114.52	34.99	-2.91	-14.70	-14.67	-2.94	-0.56
		12	55.12	35.52	-18.84	17.88	-1.20	25.45	14.37	2.78	14.28	2.86	0.99
5	36	10	1.93	1.39	-0.12	1.37	-0.11	-0.13	-0.06	-0.44	-0.44	-0.07	-0.04
		9	1.52	0.44	-1.49	0.07	-1.13	0.76	0.39	-2.42e-03	0.37	0.02	-0.09
		11	3.28	0.50	-3.28	-1.03	-1.75	-1.86	0.33	-0.21	-0.15	0.27	0.17
		12	3.49	-0.03	-4.42	-4.11	-0.34	-1.12	0.25	-0.05	0.19	7.38e-03	0.12
5	37	10	55.85	36.59	-18.82	19.02	-1.25	-25.79	14.33	2.77	14.24	2.85	-0.98
		9	90.12	127.13	7.38	18.96	115.55	-35.39	-2.89	-14.68	-14.65	-2.92	0.59
		11	90.26	126.83	7.12	18.60	115.35	35.25	-2.93	-14.80	-14.78	-2.96	-0.57
		12	55.52	35.78	-18.98	18.01	-1.21	25.64	14.47	2.80	14.38	2.88	1.00
5	38	10	1.79	1.57	-0.17	1.51	-0.11	-0.31	-0.04	-0.34	-0.33	-0.05	-0.05
		9	1.03	0.52	-0.61	0.21	-0.30	0.51	0.29	-0.03	0.27	-3.64e-03	-0.08
		11	2.81	0.69	-2.51	-0.89	-0.92	-1.60	0.30	-0.31	-0.25	0.25	0.17
		12	3.54	-0.12	-4.21	-3.98	-0.35	-0.93	0.34	-0.02	0.29	0.03	0.13
5	39	10	0.76	0.29	-0.98	-0.46	-0.23	-0.63	0.04	-7.27e-04	0.04	2.73e-04	-6.42e-03
		9	0.68	0.79	-0.32	0.02	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.68e-03
		11	0.74	0.43	-0.85	-0.11	-0.31	-0.64	0.04	-4.97e-03	-4.36e-03	0.04	-5.00e-03
		12	0.71	0.81	-0.43	0.21	0.17	-0.62	0.03	0.01	0.02	0.01	4.35e-03
5	40	10	0.76	0.31	-0.98	-0.44	-0.23	-0.64	0.04	-1.05e-03	0.04	-1.33e-05	-6.46e-03
		9	0.69	0.81	-0.33	0.03	0.45	-0.53	-0.04	-0.04	-0.04	-0.04	1.61e-03
		11	0.76	0.46	-0.86	-0.09	-0.31	-0.65	0.04	-6.47e-03	-5.87e-03	0.04	-5.04e-03
		12	0.73	0.84	-0.43	0.23	0.18	-0.63	0.02	0.01	0.02	0.01	4.35e-03
5	41	10	0.76	0.29	-0.98	-0.46	-0.23	-0.63	0.04	-7.26e-04	0.04	2.76e-04	-6.43e-03
		9	0.68	0.79	-0.32	0.02	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.66e-03
		11	0.74	0.43	-0.85	-0.11	-0.31	-0.64	0.04	-4.95e-03	-4.33e-03	0.04	-5.01e-03
		12	0.71	0.81	-0.43	0.21	0.17	-0.62	0.03	0.01	0.02	0.01	4.35e-03
5	42	10	0.76	0.31	-0.98	-0.44	-0.23	-0.64	0.04	-1.05e-03	0.04	-1.03e-05	-6.47e-03
		9	0.69	0.81	-0.33	0.03	0.45	-0.53	-0.04	-0.04	-0.04	-0.04	1.59e-03
		11	0.76	0.46	-0.86	-0.09	-0.31	-0.65	0.04	-6.45e-03	-5.84e-03	0.04	-5.05e-03
		12	0.73	0.84	-0.43	0.23	0.18	-0.63	0.02	0.01	0.02	0.01	4.35e-03
5	43	10	0.75	0.29	-0.98	-0.46	-0.23	-0.62	0.04	-6.92e-04	0.04	3.04e-04	-6.42e-03
		9	0.68	0.79	-0.32	0.02	0.45	-0.51	-0.04	-0.04	-0.04	-0.04	1.69e-03
		11	0.74	0.43	-0.85	-0.11	-0.31	-0.64	0.04	-4.79e-03	-4.17e-03	0.04	-5.00e-03
		12	0.71	0.81	-0.42	0.21	0.17	-0.62	0.03	0.01	0.02	0.01	4.35e-03
5	44	10	0.77	0.31	-0.98	-0.44	-0.23	-0.64	0.04	-1.09e-03	0.04	-4.44e-05	-6.46e-03
		9	0.69	0.81	-0.33	0.03	0.45	-0.53	-0.04	-0.04	-0.04	-0.04	1.60e-03
		11	0.76	0.46	-0.86	-0.09	-0.31	-0.65	0.04	-6.66e-03	-6.05e-03	0.04	-5.04e-03
		12	0.73	0.84	-0.43	0.23	0.18	-0.63	0.02	0.01	0.02	0.01	4.35e-03
5	45	10	0.75	0.29	-0.98	-0.46	-0.23	-0.62	0.04	-6.91e-04	0.04	3.07e-04	-6.43e-03
		9	0.68	0.79	-0.32	0.02	0.45	-0.51	-0.04	-0.04	-0.04	-0.04	1.67e-03
		11	0.74	0.43	-0.85	-0.11	-0.31	-0.64	0.04	-4.77e-03	-4.15e-03	0.04	-5.01e-03
		12	0.71	0.81	-0.42	0.21	0.17	-0.62	0.03	0.01	0.02	0.01	4.35e-03
5	46	10	0.77	0.31	-0.99	-0.44	-0.23	-0.64	0.04	-1.09e-03	0.04	-4.14e-05	-6.47e-03
		9	0.69	0.81	-0.33	0.03	0.45	-0.53	-0.04	-0.04	-0.04	-0.04	1.59e-03
		11	0.76	0.46	-0.86	-0.10	-0.31	-0.65	0.04	-6.64e-03	-6.03e-03	0.04	-5.05e-03
		12	0.73	0.84	-0.43	0.23	0.18	-0.63	0.02	0.01	0.02	0.01	4.35e-03
5	47	10	0.76	0.29	-0.98	-0.46	-0.23	-0.63	0.04	-7.29e-04	0.04	2.73e-04	-6.43e-03
		9	0.68	0.79	-0.32	0.02	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.66e-03
		11	0.74	0.43	-0.85	-0.11	-0.31	-0.64	0.04	-4.97e-03	-4.36e-03	0.04	-5.01e-03
		12	0.71	0.81	-0.43	0.21	0.17	-0.62	0.03	0.01	0.02	0.01	4.35e-03
5	48	10	0.76	0.31	-0.98	-0.44	-0.23	-0.64	0.04	-1.05e-03	0.04	-1.32e-05	-6.47e-03
		9	0.69	0.81	-0.33	0.03	0.45	-0.53	-0.04	-0.04	-0.04	-0.04	1.59e-03
		11	0.76	0.46	-0.86	-0.09	-0.31	-0.65	0.04	-6.47e-03	-5.86e-03	0.04	-5.05e-03

		12	0.73	0.84	-0.43	0.23	0.18	-0.63	0.02	0.01	0.02	0.01	4.35e-03
5	49	10	0.76	0.29	-0.98	-0.46	-0.23	-0.63	0.04	-7.24e-04	0.04	2.76e-04	-6.43e-03
		9	0.68	0.79	-0.32	0.02	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.68e-03
		11	0.74	0.43	-0.85	-0.11	-0.31	-0.64	0.04	-4.95e-03	-4.33e-03	0.04	-5.00e-03
		12	0.71	0.81	-0.43	0.21	0.17	-0.62	0.03	0.01	0.02	0.01	4.35e-03
5	50	10	0.76	0.31	-0.98	-0.44	-0.23	-0.64	0.04	-1.05e-03	0.04	-1.03e-05	-6.46e-03
		9	0.69	0.81	-0.33	0.03	0.45	-0.53	-0.04	-0.04	-0.04	-0.04	1.61e-03
		11	0.76	0.46	-0.86	-0.09	-0.31	-0.65	0.04	-6.45e-03	-5.84e-03	0.04	-5.04e-03
		12	0.73	0.84	-0.43	0.23	0.18	-0.63	0.02	0.01	0.02	0.01	4.35e-03
5	51	10	0.75	0.29	-0.98	-0.46	-0.23	-0.62	0.04	-6.94e-04	0.04	3.04e-04	-6.43e-03
		9	0.68	0.79	-0.32	0.02	0.45	-0.51	-0.04	-0.04	-0.04	-0.04	1.67e-03
		11	0.74	0.43	-0.85	-0.11	-0.31	-0.64	0.04	-4.79e-03	-4.17e-03	0.04	-5.01e-03
		12	0.71	0.81	-0.42	0.21	0.17	-0.62	0.03	0.01	0.02	0.01	4.35e-03
5	52	10	0.77	0.31	-0.98	-0.44	-0.23	-0.64	0.04	-1.09e-03	0.04	-4.43e-05	-6.47e-03
		9	0.69	0.81	-0.33	0.03	0.45	-0.53	-0.04	-0.04	-0.04	-0.04	1.59e-03
		11	0.76	0.46	-0.86	-0.09	-0.31	-0.65	0.04	-6.66e-03	-6.05e-03	0.04	-5.05e-03
		12	0.73	0.84	-0.43	0.23	0.18	-0.63	0.02	0.01	0.02	0.01	4.35e-03
5	53	10	0.75	0.29	-0.98	-0.46	-0.23	-0.62	0.04	-6.89e-04	0.04	3.07e-04	-6.42e-03
		9	0.68	0.79	-0.32	0.02	0.45	-0.51	-0.04	-0.04	-0.04	-0.04	1.68e-03
		11	0.74	0.43	-0.85	-0.11	-0.31	-0.64	0.04	-4.77e-03	-4.15e-03	0.04	-5.00e-03
		12	0.71	0.81	-0.42	0.21	0.17	-0.62	0.03	0.01	0.02	0.01	4.35e-03
5	54	10	0.77	0.31	-0.99	-0.44	-0.23	-0.64	0.04	-1.08e-03	0.04	-4.14e-05	-6.46e-03
		9	0.69	0.81	-0.33	0.03	0.45	-0.53	-0.04	-0.04	-0.04	-0.04	1.60e-03
		11	0.76	0.46	-0.86	-0.10	-0.31	-0.65	0.04	-6.63e-03	-6.03e-03	0.04	-5.04e-03
		12	0.73	0.84	-0.43	0.23	0.18	-0.63	0.02	0.01	0.02	0.01	4.35e-03
5	55	10	0.75	0.27	-0.97	-0.47	-0.23	-0.61	0.04	-3.50e-04	0.04	6.08e-04	-6.39e-03
		9	0.67	0.78	-0.32	5.51e-03	0.45	-0.50	-0.03	-0.04	-0.03	-0.04	1.75e-03
		11	0.72	0.41	-0.85	-0.13	-0.31	-0.62	0.04	-3.21e-03	-2.59e-03	0.04	-4.96e-03
		12	0.70	0.78	-0.42	0.19	0.17	-0.60	0.03	0.01	0.03	0.01	4.35e-03
5	56	10	0.78	0.34	-0.99	-0.43	-0.22	-0.66	0.04	-1.43e-03	0.04	-3.46e-04	-6.50e-03
		9	0.71	0.83	-0.33	0.05	0.45	-0.55	-0.04	-0.04	-0.04	-0.04	1.52e-03
		11	0.77	0.48	-0.87	-0.07	-0.31	-0.67	0.04	-8.22e-03	-7.62e-03	0.04	-5.08e-03
		12	0.75	0.87	-0.43	0.25	0.18	-0.65	0.02	0.01	0.02	0.01	4.35e-03
5	57	10	0.75	0.27	-0.97	-0.47	-0.23	-0.61	0.04	-3.50e-04	0.04	6.09e-04	-6.39e-03
		9	0.67	0.78	-0.32	5.47e-03	0.45	-0.50	-0.03	-0.04	-0.03	-0.04	1.75e-03
		11	0.72	0.41	-0.85	-0.13	-0.31	-0.62	0.04	-3.21e-03	-2.58e-03	0.04	-4.96e-03
		12	0.70	0.78	-0.42	0.19	0.17	-0.60	0.03	0.01	0.03	0.01	4.35e-03
5	58	10	0.78	0.34	-0.99	-0.43	-0.22	-0.66	0.04	-1.43e-03	0.04	-3.45e-04	-6.50e-03
		9	0.71	0.83	-0.33	0.05	0.45	-0.55	-0.04	-0.04	-0.04	-0.04	1.52e-03
		11	0.77	0.48	-0.87	-0.07	-0.31	-0.67	0.04	-8.21e-03	-7.61e-03	0.04	-5.09e-03
		12	0.75	0.87	-0.43	0.25	0.18	-0.65	0.02	0.01	0.02	0.01	4.35e-03
5	59	10	0.75	0.27	-0.97	-0.47	-0.23	-0.61	0.04	-3.51e-04	0.04	6.08e-04	-6.39e-03
		9	0.67	0.78	-0.32	5.50e-03	0.45	-0.50	-0.03	-0.04	-0.03	-0.04	1.75e-03
		11	0.72	0.41	-0.85	-0.13	-0.31	-0.62	0.04	-3.21e-03	-2.59e-03	0.04	-4.96e-03
		12	0.70	0.78	-0.42	0.19	0.17	-0.60	0.03	0.01	0.03	0.01	4.35e-03
5	60	10	0.78	0.34	-0.99	-0.43	-0.22	-0.66	0.04	-1.43e-03	0.04	-3.46e-04	-6.50e-03
		9	0.71	0.83	-0.33	0.05	0.45	-0.55	-0.04	-0.04	-0.04	-0.04	1.52e-03
		11	0.77	0.48	-0.87	-0.07	-0.31	-0.67	0.04	-8.22e-03	-7.62e-03	0.04	-5.09e-03
		12	0.75	0.87	-0.43	0.25	0.18	-0.65	0.02	0.01	0.02	0.01	4.35e-03
5	61	10	0.75	0.27	-0.97	-0.47	-0.23	-0.61	0.04	-3.49e-04	0.04	6.09e-04	-6.39e-03
		9	0.67	0.78	-0.32	5.47e-03	0.45	-0.50	-0.03	-0.04	-0.03	-0.04	1.75e-03
		11	0.72	0.41	-0.85	-0.13	-0.31	-0.62	0.04	-3.21e-03	-2.58e-03	0.04	-4.96e-03
		12	0.70	0.78	-0.42	0.19	0.17	-0.60	0.03	0.01	0.03	0.01	4.35e-03
5	62	10	0.78	0.34	-0.99	-0.43	-0.22	-0.66	0.04	-1.43e-03	0.04	-3.45e-04	-6.50e-03
		9	0.71	0.83	-0.33	0.05	0.45	-0.55	-0.04	-0.04	-0.04	-0.04	1.52e-03
		11	0.77	0.48	-0.87	-0.07	-0.31	-0.67	0.04	-8.21e-03	-7.61e-03	0.04	-5.08e-03
		12	0.75	0.87	-0.43	0.25	0.18	-0.65	0.02	0.01	0.02	0.01	4.35e-03
5	63	10	0.74	0.27	-0.97	-0.47	-0.23	-0.60	0.04	-2.34e-04	0.04	7.12e-04	-6.38e-03
		9	0.67	0.78	-0.31	7.44e-03	0.46	-0.49	-0.03	-0.04	-0.03	-0.04	1.78e-03
		11	0.72	0.41	-0.84	-0.13	-0.30	-0.62	0.04	-2.60e-03	-1.97e-03	0.04	-4.95e-03
		12	0.69	0.78	-0.42	0.19	0.17	-0.60	0.03	0.01	0.03	0.01	4.35e-03
5	64	10	0.78	0.34	-0.99	-0.43	-0.22	-0.66	0.04	-1.55e-03	0.04	-4.50e-04	-6.51e-03
		9	0.71	0.83	-0.34	0.04	0.44	-0.55	-0.04	-0.04	-0.04	-0.04	1.50e-03
		11	0.78	0.49	-0.88	-0.08	-0.32	-0.67	0.04	-8.83e-03	-8.24e-03	0.03	-5.10e-03
		12	0.76	0.87	-0.44	0.25	0.18	-0.65	0.02	0.01	0.02	0.01	4.35e-03
5	65	10	0.74	0.27	-0.97	-0.47	-0.23	-0.60	0.04	-2.34e-04	0.04	7.13e-04	-6.38e-03
		9	0.67	0.78	-0.31	7.41e-03	0.46	-0.49	-0.03	-0.04	-0.03	-0.04	1.77e-03
		11	0.72	0.41	-0.84	-0.13	-0.30	-0.62	0.04	-2.60e-03	-1.96e-03	0.04	-4.95e-03
		12	0.69	0.78	-0.42	0.19	0.17	-0.60	0.03	0.01	0.03	0.01	4.35e-03
5	66	10	0.78	0.34	-0.99	-0.43	-0.22	-0.66	0.04	-1.55e-03	0.04	-4.49e-04	-6.51e-03
		9	0.71	0.83	-0.34	0.04	0.44	-0.55	-0.04	-0.04	-0.04	-0.04	1.49e-03
		11	0.78	0.49	-0.88	-0.08	-0.32	-0.67	0.04	-8.82e-03	-8.23e-03	0.03	-5.10e-03
		12	0.76	0.87	-0.44	0.25	0.18	-0.65	0.02	0.01	0.02	0.01	4.35e-03
5	67	10	0.74	0.27	-0.97	-0.47	-0.23	-0.60	0.04	-2.35e-04	0.04	7.12e-04	-6.38e-03
		9	0.67	0.78	-0.31	7.44e-03	0.46	-0.49	-0.03	-0.04	-0.03	-0.04	1.78e-03
		11	0.72	0.41	-0.84	-0.13	-0.30	-0.62	0.04	-2.60e-03	-1.97e-03	0.04	-4.95e-03
		12	0.69	0.78	-0.42	0.19	0.17	-0.60	0.03	0.01	0.03	0.01	4.35e-03

5	68	10	0.78	0.34	-0.99	-0.43	-0.22	-0.66	0.04	-1.55e-03	0.04	-4.50e-04	-6.51e-03
		9	0.71	0.83	-0.34	0.04	0.44	-0.55	-0.04	-0.04	-0.04	-0.04	1.49e-03
		11	0.78	0.49	-0.88	-0.08	-0.32	-0.67	0.04	-8.83e-03	-8.24e-03	0.03	-5.10e-03
		12	0.76	0.87	-0.44	0.25	0.18	-0.65	0.02	0.01	0.02	0.01	4.35e-03
5	69	10	0.74	0.27	-0.97	-0.47	-0.23	-0.60	0.04	-2.33e-04	0.04	7.13e-04	-6.38e-03
		9	0.67	0.78	-0.31	7.41e-03	0.46	-0.49	-0.03	-0.04	-0.03	-0.04	1.78e-03
		11	0.72	0.41	-0.84	-0.13	-0.30	-0.62	0.04	-2.60e-03	-1.96e-03	0.04	-4.95e-03
		12	0.69	0.78	-0.42	0.19	0.17	-0.60	0.03	0.01	0.03	0.01	4.35e-03
5	70	10	0.78	0.34	-0.99	-0.43	-0.22	-0.66	0.04	-1.55e-03	0.04	-4.49e-04	-6.51e-03
		9	0.71	0.83	-0.34	0.04	0.44	-0.55	-0.04	-0.04	-0.04	-0.04	1.50e-03
		11	0.78	0.49	-0.88	-0.08	-0.32	-0.67	0.04	-8.82e-03	-8.23e-03	0.03	-5.10e-03
		12	0.76	0.87	-0.44	0.25	0.18	-0.65	0.02	0.01	0.02	0.01	4.35e-03
5	71	10	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		9	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
5	72	10	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		9	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
5	73	10	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		9	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
5	74	10	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		9	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
5	75	10	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		9	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
5	76	10	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		9	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
6	1	14	0.99	1.28	-0.39	0.59	0.30	0.82	0.05	-1.16e-03	0.05	1.71e-04	-8.38e-03
		13	0.89	0.42	-1.04	-0.03	-0.58	0.68	-0.05	-0.05	-0.05	-0.05	2.13e-03
		11	0.97	1.12	-0.58	0.13	0.40	0.84	0.05	-7.42e-03	-6.63e-03	0.05	-6.53e-03
		12	0.94	0.56	-1.07	-0.29	-0.23	0.81	0.03	0.02	0.03	0.02	5.65e-03
6	2	14	0.99	1.28	-0.39	0.59	0.30	0.82	0.05	-1.16e-03	0.05	1.71e-04	-8.38e-03
		13	0.89	0.42	-1.04	-0.03	-0.58	0.68	-0.05	-0.05	-0.05	-0.05	2.13e-03
		11	0.97	1.12	-0.58	0.13	0.40	0.84	0.05	-7.42e-03	-6.63e-03	0.05	-6.53e-03
		12	0.94	0.56	-1.07	-0.29	-0.23	0.81	0.03	0.02	0.03	0.02	5.65e-03
6	3	14	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		13	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
6	4	14	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		13	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
6	5	14	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		13	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
6	6	14	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		13	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
6	7	14	14.12	9.25	-3.79	5.50	-0.04	-5.90	-0.72	-3.67	-3.65	-0.74	0.25
		13	22.84	32.12	2.21	4.89	29.44	-8.53	3.77	0.70	3.76	0.71	-0.15
		11	23.90	33.79	1.51	4.96	30.35	9.96	3.84	0.81	3.83	0.81	0.14
		12	14.80	9.77	-5.91	4.39	-0.53	7.45	-0.71	-3.73	-3.71	-0.73	-0.25
6	8	14	4.99	1.78	-6.63	-4.47	-0.38	3.68	0.10	-0.07	0.09	-0.06	0.04
		13	6.40	-0.25	-9.80	-3.55	-6.50	4.54	-0.09	-0.50	-0.49	-0.10	-0.06
		11	4.19	-0.14	-4.82	-0.29	-4.67	-0.83	-0.05	-0.77	-0.72	-0.09	0.17
		12	2.03	-0.08	-1.57	-1.19	-0.46	0.65	0.56	0.15	0.56	0.15	9.63e-03
6	9	14	15.45	10.13	-4.22	5.97	-0.06	-6.51	-0.79	-4.01	-3.99	-0.81	0.27
		13	24.99	35.14	2.40	5.34	32.20	-9.37	4.12	0.77	4.11	0.78	-0.17
		11	26.06	36.84	1.68	5.41	33.11	10.82	4.19	0.88	4.18	0.88	0.15
		12	16.14	10.64	-6.38	4.82	-0.57	8.07	-0.78	-4.07	-4.05	-0.80	-0.28
6	10	14	4.74	1.36	-5.77	-4.00	-0.41	3.08	-0.10	-0.28	-0.25	-0.13	0.06
		13	4.92	0.30	-7.14	-3.09	-3.75	3.70	5.18e-03	-0.18	-0.15	-0.03	-0.07
		11	2.05	0.16	-1.90	0.16	-1.90	0.03	0.06	-0.45	-0.37	-0.02	0.18
		12	1.73	0.66	-1.91	-0.76	-0.49	1.28	0.22	0.08	0.21	0.08	-0.01
6	11	14	14.12	9.25	-3.78	5.51	-0.04	-5.90	-0.72	-3.67	-3.65	-0.74	0.25

		13	22.84	32.12	2.22	4.89	29.45	-8.53	3.77	0.70	3.76	0.71	-0.15
		11	23.90	33.80	1.51	4.96	30.35	9.97	3.84	0.81	3.83	0.81	0.14
		12	14.81	9.78	-5.92	4.39	-0.53	7.45	-0.71	-3.73	-3.71	-0.73	-0.25
6	12	14	4.99	1.78	-6.63	-4.47	-0.38	3.68	0.10	-0.07	0.09	-0.06	0.04
		13	6.40	-0.26	-9.80	-3.55	-6.51	4.54	-0.09	-0.50	-0.49	-0.10	-0.06
		11	4.20	-0.14	-4.82	-0.29	-4.67	-0.83	-0.05	-0.77	-0.72	-0.09	0.17
		12	2.03	-0.08	-1.57	-1.19	-0.46	0.65	0.56	0.15	0.56	0.15	9.63e-03
6	13	14	15.45	10.12	-4.21	5.97	-0.06	-6.50	-0.79	-4.01	-3.99	-0.81	0.27
		13	24.99	35.15	2.40	5.34	32.20	-9.37	4.12	0.77	4.11	0.78	-0.17
		11	26.07	36.85	1.68	5.41	33.12	10.83	4.19	0.88	4.18	0.88	0.15
		12	16.14	10.64	-6.39	4.82	-0.57	8.08	-0.78	-4.07	-4.05	-0.80	-0.28
6	14	14	4.74	1.36	-5.76	-4.00	-0.41	3.07	-0.10	-0.28	-0.25	-0.13	0.06
		13	4.91	0.29	-7.14	-3.09	-3.75	3.70	5.30e-03	-0.18	-0.14	-0.03	-0.07
		11	2.05	0.16	-1.90	0.16	-1.90	0.03	0.06	-0.45	-0.37	-0.02	0.18
		12	1.73	0.65	-1.91	-0.76	-0.49	1.27	0.22	0.08	0.21	0.08	-0.01
6	15	14	14.12	9.25	-3.79	5.50	-0.04	-5.90	-0.72	-3.67	-3.65	-0.74	0.25
		13	22.84	32.12	2.21	4.89	29.44	-8.53	3.77	0.70	3.76	0.71	-0.15
		11	23.90	33.79	1.51	4.96	30.35	9.96	3.84	0.81	3.83	0.81	0.14
		12	14.80	9.77	-5.91	4.39	-0.53	7.45	-0.71	-3.73	-3.71	-0.73	-0.25
6	16	14	4.99	1.78	-6.63	-4.47	-0.38	3.68	0.10	-0.07	0.09	-0.06	0.04
		13	6.40	-0.25	-9.80	-3.55	-6.50	4.54	-0.09	-0.50	-0.49	-0.10	-0.06
		11	4.19	-0.14	-4.82	-0.29	-4.67	-0.83	-0.05	-0.77	-0.72	-0.09	0.17
		12	2.03	-0.08	-1.57	-1.19	-0.46	0.65	0.56	0.15	0.56	0.15	9.63e-03
6	17	14	15.45	10.13	-4.22	5.97	-0.06	-6.51	-0.79	-4.01	-3.99	-0.81	0.27
		13	24.99	35.14	2.40	5.34	32.20	-9.37	4.12	0.77	4.11	0.78	-0.17
		11	26.06	36.84	1.68	5.41	33.11	10.82	4.19	0.88	4.18	0.88	0.15
		12	16.14	10.64	-6.38	4.82	-0.57	8.07	-0.78	-4.07	-4.05	-0.80	-0.28
6	18	14	4.74	1.36	-5.77	-4.00	-0.41	3.08	-0.10	-0.28	-0.25	-0.13	0.06
		13	4.92	0.30	-7.14	-3.09	-3.75	3.70	5.21e-03	-0.18	-0.15	-0.03	-0.07
		11	2.05	0.16	-1.90	0.16	-1.90	0.03	0.06	-0.45	-0.37	-0.02	0.18
		12	1.73	0.66	-1.91	-0.76	-0.49	1.28	0.22	0.08	0.21	0.08	-0.01
6	19	14	14.12	9.25	-3.78	5.51	-0.04	-5.90	-0.72	-3.67	-3.65	-0.74	0.25
		13	22.84	32.12	2.22	4.89	29.45	-8.53	3.77	0.70	3.76	0.71	-0.15
		11	23.90	33.80	1.51	4.96	30.35	9.97	3.84	0.81	3.83	0.81	0.14
		12	14.81	9.78	-5.92	4.39	-0.53	7.45	-0.71	-3.73	-3.71	-0.73	-0.25
6	20	14	4.99	1.78	-6.63	-4.47	-0.38	3.68	0.10	-0.07	0.09	-0.06	0.04
		13	6.40	-0.26	-9.80	-3.55	-6.51	4.54	-0.09	-0.50	-0.49	-0.10	-0.06
		11	4.20	-0.14	-4.82	-0.29	-4.67	-0.83	-0.05	-0.77	-0.72	-0.09	0.17
		12	2.03	-0.08	-1.57	-1.19	-0.46	0.65	0.56	0.15	0.56	0.15	9.63e-03
6	21	14	15.45	10.12	-4.21	5.97	-0.06	-6.50	-0.79	-4.01	-3.99	-0.81	0.27
		13	24.99	35.15	2.40	5.34	32.20	-9.37	4.12	0.77	4.11	0.78	-0.17
		11	26.07	36.85	1.68	5.41	33.12	10.83	4.19	0.88	4.18	0.88	0.15
		12	16.14	10.64	-6.39	4.82	-0.57	8.08	-0.78	-4.07	-4.05	-0.80	-0.28
6	22	14	4.74	1.36	-5.76	-4.00	-0.41	3.07	-0.10	-0.28	-0.25	-0.13	0.06
		13	4.92	0.29	-7.14	-3.09	-3.75	3.70	5.33e-03	-0.18	-0.14	-0.03	-0.07
		11	2.05	0.16	-1.90	0.16	-1.90	0.03	0.06	-0.45	-0.37	-0.02	0.18
		12	1.73	0.65	-1.91	-0.76	-0.49	1.27	0.22	0.08	0.21	0.08	-0.01
6	23	14	54.82	35.93	-16.94	19.78	-0.79	-24.35	-2.75	-14.14	-14.06	-2.83	0.96
		13	88.58	124.78	7.79	18.77	113.81	-34.11	14.50	2.79	14.47	2.82	-0.58
		11	90.31	127.24	6.56	18.67	115.13	36.27	14.69	2.98	14.66	3.01	0.55
		12	55.70	36.27	-20.39	17.43	-1.55	26.69	-2.75	-14.32	-14.23	-2.83	-0.98
6	24	14	15.06	1.83	-17.22	-13.46	-1.94	7.59	-0.50	-1.66	-1.59	-0.57	0.27
		13	13.18	1.95	-17.30	-9.35	-6.00	9.47	0.50	-0.08	0.29	0.13	-0.28
		11	3.67	1.21	-1.62	1.18	-1.59	0.30	0.43	-0.97	-0.53	-0.02	0.65
		12	5.05	2.80	-5.26	-1.17	-1.29	4.03	0.17	-0.08	-0.02	0.11	-0.10
6	25	14	55.22	36.19	-17.07	19.92	-0.80	-24.54	-2.77	-14.24	-14.16	-2.85	0.97
		13	89.22	125.69	7.85	18.90	114.64	-34.36	14.60	2.81	14.57	2.84	-0.59
		11	90.96	128.16	6.61	18.80	115.96	36.52	14.79	3.00	14.77	3.03	0.56
		12	56.10	36.53	-20.53	17.56	-1.56	26.88	-2.77	-14.42	-14.34	-2.85	-0.99
6	26	14	15.07	1.71	-16.97	-13.32	-1.95	7.41	-0.52	-1.76	-1.70	-0.59	0.28
		13	13.00	2.25	-16.63	-9.21	-5.17	9.22	0.58	-0.03	0.40	0.15	-0.28
		11	3.48	1.45	-0.89	1.31	-0.75	0.55	0.48	-0.90	-0.42	3.82e-03	0.65
		12	5.28	3.05	-5.39	-1.05	-1.30	4.22	0.14	-0.17	-0.12	0.09	-0.11
6	27	14	54.82	35.93	-16.94	19.78	-0.79	-24.35	-2.75	-14.14	-14.06	-2.83	0.96
		13	88.58	124.78	7.79	18.77	113.81	-34.11	14.50	2.79	14.47	2.82	-0.58
		11	90.31	127.24	6.56	18.67	115.13	36.27	14.69	2.98	14.66	3.01	0.55
		12	55.70	36.27	-20.39	17.43	-1.55	26.69	-2.75	-14.32	-14.23	-2.83	-0.98
6	28	14	15.06	1.83	-17.22	-13.46	-1.94	7.59	-0.50	-1.66	-1.59	-0.57	0.27
		13	13.18	1.95	-17.30	-9.35	-6.00	9.47	0.50	-0.08	0.29	0.13	-0.28
		11	3.67	1.21	-1.62	1.18	-1.59	0.30	0.43	-0.97	-0.53	-0.02	0.65
		12	5.05	2.80	-5.26	-1.17	-1.29	4.03	0.17	-0.08	-0.02	0.11	-0.10
6	29	14	55.22	36.19	-17.07	19.92	-0.80	-24.54	-2.77	-14.24	-14.16	-2.85	0.97
		13	89.22	125.69	7.85	18.90	114.64	-34.36	14.60	2.81	14.57	2.84	-0.59
		11	90.96	128.16	6.61	18.80	115.96	36.52	14.79	3.00	14.77	3.03	0.56
		12	56.10	36.53	-20.53	17.56	-1.56	26.88	-2.77	-14.42	-14.34	-2.85	-0.99
6	30	14	15.07	1.71	-16.97	-13.32	-1.95	7.41	-0.52	-1.76	-1.70	-0.59	0.28
		13	13.00	2.25	-16.63	-9.21	-5.17	9.22	0.58	-0.03	0.40	0.15	-0.28

		11	3.48	1.45	-0.89	1.31	-0.75	0.55	0.48	-0.90	-0.42	3.82e-03	0.65
		12	5.28	3.05	-5.39	-1.05	-1.30	4.22	0.14	-0.17	-0.12	0.09	-0.11
6	31	14	54.81	35.92	-16.93	19.78	-0.79	-24.34	-2.75	-14.14	-14.06	-2.83	0.96
		13	88.58	124.79	7.81	18.77	113.83	-34.09	14.50	2.79	14.47	2.82	-0.58
		11	90.31	127.26	6.55	18.67	115.14	36.28	14.69	2.98	14.66	3.01	0.55
		12	55.71	36.28	-20.40	17.44	-1.55	26.70	-2.75	-14.32	-14.23	-2.83	-0.98
6	32	14	15.05	1.82	-17.22	-13.46	-1.94	7.58	-0.50	-1.66	-1.59	-0.57	0.27
		13	13.18	1.93	-17.29	-9.35	-6.01	9.46	0.50	-0.08	0.30	0.13	-0.28
		11	3.67	1.20	-1.63	1.17	-1.60	0.29	0.43	-0.97	-0.52	-0.02	0.65
		12	5.04	2.78	-5.25	-1.18	-1.29	4.02	0.17	-0.08	-0.02	0.11	-0.10
6	33	14	55.21	36.18	-17.06	19.92	-0.80	-24.52	-2.77	-14.25	-14.16	-2.85	0.97
		13	89.22	125.70	7.86	18.91	114.65	-34.35	14.60	2.81	14.57	2.84	-0.59
		11	90.97	128.18	6.60	18.81	115.97	36.53	14.79	3.00	14.77	3.03	0.56
		12	56.11	36.54	-20.54	17.57	-1.56	26.89	-2.77	-14.42	-14.34	-2.85	-0.99
6	34	14	15.06	1.70	-16.96	-13.32	-1.95	7.40	-0.52	-1.76	-1.69	-0.59	0.28
		13	12.99	2.23	-16.63	-9.22	-5.19	9.21	0.58	-0.03	0.40	0.15	-0.28
		11	3.47	1.44	-0.90	1.30	-0.77	0.54	0.48	-0.89	-0.42	4.10e-03	0.65
		12	5.27	3.03	-5.38	-1.05	-1.30	4.21	0.14	-0.17	-0.12	0.09	-0.11
6	35	14	54.81	35.92	-16.93	19.78	-0.79	-24.34	-2.75	-14.14	-14.06	-2.83	0.96
		13	88.58	124.79	7.81	18.77	113.83	-34.09	14.50	2.79	14.47	2.82	-0.58
		11	90.31	127.26	6.55	18.67	115.14	36.28	14.69	2.98	14.66	3.01	0.55
		12	55.71	36.28	-20.40	17.44	-1.55	26.70	-2.75	-14.32	-14.23	-2.83	-0.98
6	36	14	15.05	1.82	-17.22	-13.46	-1.94	7.58	-0.50	-1.66	-1.59	-0.57	0.27
		13	13.18	1.93	-17.29	-9.35	-6.01	9.46	0.50	-0.08	0.30	0.13	-0.28
		11	3.67	1.20	-1.63	1.17	-1.60	0.29	0.43	-0.97	-0.52	-0.02	0.65
		12	5.04	2.78	-5.25	-1.18	-1.29	4.02	0.17	-0.08	-0.02	0.11	-0.10
6	37	14	55.21	36.18	-17.06	19.92	-0.80	-24.52	-2.77	-14.25	-14.16	-2.85	0.97
		13	89.22	125.70	7.86	18.91	114.65	-34.35	14.60	2.81	14.57	2.84	-0.59
		11	90.97	128.18	6.60	18.81	115.97	36.53	14.79	3.00	14.77	3.03	0.56
		12	56.11	36.54	-20.54	17.57	-1.56	26.89	-2.77	-14.42	-14.34	-2.85	-0.99
6	38	14	15.06	1.70	-16.96	-13.32	-1.95	7.40	-0.52	-1.76	-1.69	-0.59	0.28
		13	12.99	2.23	-16.63	-9.22	-5.19	9.21	0.58	-0.03	0.40	0.15	-0.28
		11	3.46	1.44	-0.90	1.30	-0.77	0.54	0.48	-0.89	-0.42	4.10e-03	0.65
		12	5.27	3.03	-5.38	-1.05	-1.30	4.21	0.14	-0.17	-0.12	0.09	-0.11
6	39	14	0.76	0.98	-0.31	0.44	0.23	0.64	0.04	-1.05e-03	0.04	-9.99e-06	-6.47e-03
		13	0.69	0.33	-0.81	-0.03	-0.45	0.53	-0.04	-0.04	-0.04	-0.04	1.59e-03
		11	0.76	0.86	-0.46	0.09	0.31	0.65	0.04	-6.45e-03	-5.84e-03	0.04	-5.05e-03
		12	0.73	0.43	-0.84	-0.23	-0.18	0.63	0.02	0.01	0.02	0.01	4.35e-03
6	40	14	0.76	0.98	-0.29	0.46	0.23	0.63	0.04	-7.26e-04	0.04	2.76e-04	-6.43e-03
		13	0.68	0.32	-0.79	-0.02	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.66e-03
		11	0.74	0.85	-0.43	0.11	0.31	0.64	0.04	-4.95e-03	-4.33e-03	0.04	-5.01e-03
		12	0.71	0.43	-0.81	-0.21	-0.17	0.62	0.03	0.01	0.02	0.01	4.35e-03
6	41	14	0.76	0.98	-0.31	0.44	0.23	0.64	0.04	-1.05e-03	0.04	-1.32e-05	-6.46e-03
		13	0.69	0.33	-0.81	-0.03	-0.45	0.53	-0.04	-0.04	-0.04	-0.04	1.61e-03
		11	0.76	0.86	-0.46	0.09	0.31	0.65	0.04	-6.47e-03	-5.86e-03	0.04	-5.04e-03
		12	0.73	0.43	-0.84	-0.23	-0.18	0.63	0.02	0.01	0.02	0.01	4.35e-03
6	42	14	0.76	0.98	-0.29	0.46	0.23	0.63	0.04	-7.27e-04	0.04	2.73e-04	-6.42e-03
		13	0.68	0.32	-0.79	-0.02	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.68e-03
		11	0.74	0.85	-0.43	0.11	0.31	0.64	0.04	-4.97e-03	-4.36e-03	0.04	-5.00e-03
		12	0.71	0.43	-0.81	-0.21	-0.17	0.62	0.03	0.01	0.02	0.01	4.35e-03
6	43	14	0.77	0.99	-0.31	0.44	0.23	0.64	0.04	-1.09e-03	0.04	-4.13e-05	-6.47e-03
		13	0.69	0.33	-0.81	-0.03	-0.45	0.53	-0.04	-0.04	-0.04	-0.04	1.59e-03
		11	0.76	0.86	-0.46	0.10	0.31	0.65	0.04	-6.64e-03	-6.03e-03	0.04	-5.05e-03
		12	0.73	0.43	-0.84	-0.23	-0.18	0.63	0.02	0.01	0.02	0.01	4.35e-03
6	44	14	0.75	0.98	-0.29	0.46	0.23	0.62	0.04	-6.91e-04	0.04	3.07e-04	-6.43e-03
		13	0.68	0.32	-0.79	-0.02	-0.45	0.51	-0.04	-0.04	-0.04	-0.04	1.67e-03
		11	0.74	0.85	-0.43	0.11	0.31	0.64	0.04	-4.77e-03	-4.15e-03	0.04	-5.01e-03
		12	0.71	0.42	-0.81	-0.21	-0.17	0.62	0.03	0.01	0.02	0.01	4.35e-03
6	45	14	0.77	0.98	-0.31	0.44	0.23	0.64	0.04	-1.09e-03	0.04	-4.45e-05	-6.46e-03
		13	0.69	0.33	-0.81	-0.03	-0.45	0.53	-0.04	-0.04	-0.04	-0.04	1.60e-03
		11	0.76	0.86	-0.46	0.09	0.31	0.65	0.04	-6.66e-03	-6.05e-03	0.04	-5.04e-03
		12	0.73	0.43	-0.84	-0.23	-0.18	0.63	0.02	0.01	0.02	0.01	4.35e-03
6	46	14	0.75	0.98	-0.29	0.46	0.23	0.62	0.04	-6.92e-04	0.04	3.04e-04	-6.42e-03
		13	0.68	0.32	-0.79	-0.02	-0.45	0.51	-0.04	-0.04	-0.04	-0.04	1.69e-03
		11	0.74	0.85	-0.43	0.11	0.31	0.64	0.04	-4.79e-03	-4.17e-03	0.04	-5.00e-03
		12	0.71	0.42	-0.81	-0.21	-0.17	0.62	0.03	0.01	0.02	0.01	4.35e-03
6	47	14	0.76	0.98	-0.31	0.44	0.23	0.64	0.04	-1.05e-03	0.04	-1.03e-05	-6.46e-03
		13	0.69	0.33	-0.81	-0.03	-0.45	0.53	-0.04	-0.04	-0.04	-0.04	1.61e-03
		11	0.76	0.86	-0.46	0.09	0.31	0.65	0.04	-6.45e-03	-5.84e-03	0.04	-5.04e-03
		12	0.73	0.43	-0.84	-0.23	-0.18	0.63	0.02	0.01	0.02	0.01	4.35e-03
6	48	14	0.76	0.98	-0.29	0.46	0.23	0.63	0.04	-7.24e-04	0.04	2.76e-04	-6.42e-03
		13	0.68	0.32	-0.79	-0.02	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.68e-03
		11	0.74	0.85	-0.43	0.11	0.31	0.64	0.04	-4.95e-03	-4.34e-03	0.04	-5.00e-03
		12	0.71	0.43	-0.81	-0.21	-0.17	0.62	0.03	0.01	0.02	0.01	4.35e-03
6	49	14	0.76	0.98	-0.31	0.44	0.23	0.64	0.04	-1.05e-03	0.04	-1.29e-05	-6.47e-03
		13	0.69	0.33	-0.81	-0.03	-0.45	0.53	-0.04	-0.04	-0.04	-0.04	1.59e-03
		11	0.76	0.86	-0.46	0.09	0.31	0.65	0.04	-6.47e-03	-5.86e-03	0.04	-5.05e-03

		12	0.73	0.43	-0.84	-0.23	-0.18	0.63	0.02	0.01	0.02	0.01	4.35e-03
6	50	14	0.76	0.98	-0.29	0.46	0.23	0.63	0.04	-7.29e-04	0.04	2.73e-04	-6.43e-03
		13	0.68	0.32	-0.79	-0.02	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.66e-03
		11	0.74	0.85	-0.43	0.11	0.31	0.64	0.04	-4.97e-03	-4.36e-03	0.04	-5.01e-03
		12	0.71	0.43	-0.81	-0.21	-0.17	0.62	0.03	0.01	0.02	0.01	4.35e-03
6	51	14	0.77	0.99	-0.31	0.44	0.23	0.64	0.04	-1.08e-03	0.04	-4.15e-05	-6.46e-03
		13	0.69	0.33	-0.81	-0.03	-0.45	0.53	-0.04	-0.04	-0.04	-0.04	1.60e-03
		11	0.76	0.86	-0.46	0.10	0.31	0.65	0.04	-6.63e-03	-6.03e-03	0.04	-5.04e-03
		12	0.73	0.43	-0.84	-0.23	-0.18	0.63	0.02	0.01	0.02	0.01	4.35e-03
6	52	14	0.75	0.98	-0.29	0.46	0.23	0.62	0.04	-6.89e-04	0.04	3.07e-04	-6.42e-03
		13	0.68	0.32	-0.79	-0.02	-0.45	0.51	-0.04	-0.04	-0.04	-0.04	1.68e-03
		11	0.74	0.85	-0.43	0.11	0.31	0.64	0.04	-4.77e-03	-4.15e-03	0.04	-5.00e-03
		12	0.71	0.42	-0.81	-0.21	-0.17	0.62	0.03	0.01	0.02	0.01	4.35e-03
6	53	14	0.77	0.98	-0.31	0.44	0.23	0.64	0.04	-1.09e-03	0.04	-4.42e-05	-6.47e-03
		13	0.69	0.33	-0.81	-0.03	-0.45	0.53	-0.04	-0.04	-0.04	-0.04	1.59e-03
		11	0.76	0.86	-0.46	0.09	0.31	0.65	0.04	-6.66e-03	-6.05e-03	0.04	-5.05e-03
		12	0.73	0.43	-0.84	-0.23	-0.18	0.63	0.02	0.01	0.02	0.01	4.35e-03
6	54	14	0.75	0.98	-0.29	0.46	0.23	0.62	0.04	-6.94e-04	0.04	3.04e-04	-6.43e-03
		13	0.68	0.32	-0.79	-0.02	-0.45	0.51	-0.04	-0.04	-0.04	-0.04	1.67e-03
		11	0.74	0.85	-0.43	0.11	0.31	0.64	0.04	-4.79e-03	-4.17e-03	0.04	-5.00e-03
		12	0.71	0.42	-0.81	-0.21	-0.17	0.62	0.03	0.01	0.02	0.01	4.35e-03
6	55	14	0.78	0.99	-0.34	0.43	0.22	0.66	0.04	-1.43e-03	0.04	-3.45e-04	-6.50e-03
		13	0.71	0.33	-0.83	-0.05	-0.45	0.55	-0.04	-0.04	-0.04	-0.04	1.52e-03
		11	0.77	0.87	-0.48	0.07	0.31	0.67	0.04	-8.21e-03	-7.61e-03	0.04	-5.09e-03
		12	0.75	0.43	-0.87	-0.25	-0.18	0.65	0.02	0.01	0.02	0.01	4.35e-03
6	56	14	0.75	0.97	-0.27	0.47	0.23	0.61	0.04	-3.50e-04	0.04	6.08e-04	-6.39e-03
		13	0.67	0.32	-0.77	-5.43e-03	-0.45	0.50	-0.03	-0.04	-0.03	-0.04	1.75e-03
		11	0.72	0.85	-0.41	0.13	0.31	0.62	0.04	-3.21e-03	-2.58e-03	0.04	-4.96e-03
		12	0.70	0.42	-0.78	-0.19	-0.17	0.60	0.03	0.01	0.03	0.01	4.35e-03
6	57	14	0.78	0.99	-0.34	0.43	0.22	0.66	0.04	-1.43e-03	0.04	-3.46e-04	-6.50e-03
		13	0.71	0.33	-0.83	-0.05	-0.45	0.55	-0.04	-0.04	-0.04	-0.04	1.52e-03
		11	0.77	0.87	-0.48	0.07	0.31	0.67	0.04	-8.21e-03	-7.62e-03	0.04	-5.08e-03
		12	0.75	0.43	-0.87	-0.25	-0.18	0.65	0.02	0.01	0.02	0.01	4.35e-03
6	58	14	0.75	0.97	-0.27	0.47	0.23	0.61	0.04	-3.51e-04	0.04	6.07e-04	-6.39e-03
		13	0.67	0.32	-0.77	-5.46e-03	-0.45	0.50	-0.03	-0.04	-0.03	-0.04	1.75e-03
		11	0.72	0.85	-0.41	0.13	0.31	0.62	0.04	-3.22e-03	-2.59e-03	0.04	-4.96e-03
		12	0.70	0.42	-0.78	-0.19	-0.17	0.60	0.03	0.01	0.03	0.01	4.35e-03
6	59	14	0.78	0.99	-0.34	0.43	0.22	0.66	0.04	-1.43e-03	0.04	-3.45e-04	-6.50e-03
		13	0.71	0.33	-0.83	-0.05	-0.45	0.55	-0.04	-0.04	-0.04	-0.04	1.52e-03
		11	0.77	0.87	-0.48	0.07	0.31	0.67	0.04	-8.21e-03	-7.61e-03	0.04	-5.08e-03
		12	0.75	0.43	-0.87	-0.25	-0.18	0.65	0.02	0.01	0.02	0.01	4.35e-03
6	60	14	0.75	0.97	-0.27	0.47	0.23	0.61	0.04	-3.50e-04	0.04	6.08e-04	-6.39e-03
		13	0.67	0.32	-0.77	-5.43e-03	-0.45	0.50	-0.03	-0.04	-0.03	-0.04	1.75e-03
		11	0.72	0.85	-0.41	0.13	0.31	0.62	0.04	-3.21e-03	-2.58e-03	0.04	-4.96e-03
		12	0.70	0.42	-0.78	-0.19	-0.17	0.60	0.03	0.01	0.03	0.01	4.35e-03
6	61	14	0.78	0.99	-0.34	0.43	0.22	0.66	0.04	-1.43e-03	0.04	-3.46e-04	-6.50e-03
		13	0.71	0.33	-0.83	-0.05	-0.45	0.55	-0.04	-0.04	-0.04	-0.04	1.52e-03
		11	0.77	0.87	-0.48	0.07	0.31	0.67	0.04	-8.21e-03	-7.62e-03	0.04	-5.09e-03
		12	0.75	0.43	-0.87	-0.25	-0.18	0.65	0.02	0.01	0.02	0.01	4.35e-03
6	62	14	0.75	0.97	-0.27	0.47	0.23	0.61	0.04	-3.51e-04	0.04	6.08e-04	-6.39e-03
		13	0.67	0.32	-0.77	-5.46e-03	-0.45	0.50	-0.03	-0.04	-0.03	-0.04	1.75e-03
		11	0.72	0.85	-0.41	0.13	0.31	0.62	0.04	-3.22e-03	-2.59e-03	0.04	-4.96e-03
		12	0.70	0.42	-0.78	-0.19	-0.17	0.60	0.03	0.01	0.03	0.01	4.35e-03
6	63	14	0.78	0.99	-0.34	0.43	0.22	0.66	0.04	-1.55e-03	0.04	-4.49e-04	-6.51e-03
		13	0.71	0.34	-0.83	-0.04	-0.44	0.55	-0.04	-0.04	-0.04	-0.04	1.49e-03
		11	0.78	0.88	-0.49	0.08	0.32	0.67	0.04	-8.82e-03	-8.23e-03	0.03	-5.10e-03
		12	0.76	0.44	-0.87	-0.25	-0.18	0.65	0.02	0.01	0.02	0.01	4.35e-03
6	64	14	0.74	0.97	-0.27	0.47	0.23	0.60	0.04	-2.34e-04	0.04	7.13e-04	-6.38e-03
		13	0.67	0.31	-0.78	-7.37e-03	-0.46	0.49	-0.03	-0.04	-0.03	-0.04	1.77e-03
		11	0.72	0.84	-0.41	0.13	0.30	0.62	0.04	-2.60e-03	-1.96e-03	0.04	-4.95e-03
		12	0.69	0.42	-0.78	-0.19	-0.17	0.60	0.03	0.01	0.03	0.01	4.35e-03
6	65	14	0.78	0.99	-0.34	0.43	0.22	0.66	0.04	-1.55e-03	0.04	-4.50e-04	-6.51e-03
		13	0.71	0.34	-0.83	-0.04	-0.44	0.55	-0.04	-0.04	-0.04	-0.04	1.50e-03
		11	0.78	0.88	-0.49	0.08	0.32	0.67	0.04	-8.83e-03	-8.24e-03	0.03	-5.10e-03
		12	0.76	0.44	-0.87	-0.25	-0.18	0.65	0.02	0.01	0.02	0.01	4.35e-03
6	66	14	0.74	0.97	-0.27	0.47	0.23	0.60	0.04	-2.34e-04	0.04	7.12e-04	-6.38e-03
		13	0.67	0.31	-0.78	-7.40e-03	-0.46	0.49	-0.03	-0.04	-0.03	-0.04	1.78e-03
		11	0.72	0.84	-0.41	0.13	0.30	0.62	0.04	-2.60e-03	-1.97e-03	0.04	-4.95e-03
		12	0.69	0.42	-0.78	-0.19	-0.17	0.60	0.03	0.01	0.03	0.01	4.35e-03
6	67	14	0.78	0.99	-0.34	0.43	0.22	0.66	0.04	-1.55e-03	0.04	-4.49e-04	-6.51e-03
		13	0.71	0.34	-0.83	-0.04	-0.44	0.55	-0.04	-0.04	-0.04	-0.04	1.50e-03
		11	0.78	0.88	-0.49	0.08	0.32	0.67	0.04	-8.82e-03	-8.23e-03	0.03	-5.10e-03
		12	0.76	0.44	-0.87	-0.25	-0.18	0.65	0.02	0.01	0.02	0.01	4.35e-03
6	68	14	0.74	0.97	-0.27	0.47	0.23	0.60	0.04	-2.33e-04	0.04	7.13e-04	-6.38e-03
		13	0.67	0.31	-0.78	-7.37e-03	-0.46	0.49	-0.03	-0.04	-0.03	-0.04	1.78e-03
		11	0.72	0.84	-0.41	0.13	0.30	0.62	0.04	-2.60e-03	-1.96e-03	0.04	-4.95e-03
		12	0.69	0.42	-0.78	-0.19	-0.17	0.60	0.03	0.01	0.03	0.01	4.35e-03

6	69	14	0.78	0.99	-0.34	0.43	0.22	0.66	0.04	-1.55e-03	0.04	-4.50e-04	-6.51e-03
		13	0.71	0.34	-0.83	-0.04	-0.44	0.55	-0.04	-0.04	-0.04	-0.04	1.49e-03
		11	0.78	0.88	-0.49	0.08	0.32	0.67	0.04	-8.83e-03	-8.24e-03	0.03	-5.10e-03
		12	0.76	0.44	-0.87	-0.25	-0.18	0.65	0.02	0.01	0.02	0.01	4.35e-03
6	70	14	0.74	0.97	-0.27	0.47	0.23	0.60	0.04	-2.35e-04	0.04	7.12e-04	-6.38e-03
		13	0.67	0.31	-0.78	-7.40e-03	-0.46	0.49	-0.03	-0.04	-0.03	-0.04	1.78e-03
		11	0.72	0.84	-0.41	0.13	0.30	0.62	0.04	-2.60e-03	-1.97e-03	0.04	-4.95e-03
		12	0.69	0.42	-0.78	-0.19	-0.17	0.60	0.03	0.01	0.03	0.01	4.35e-03
6	71	14	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		13	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
6	72	14	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		13	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
6	73	14	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		13	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
6	74	14	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		13	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
6	75	14	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		13	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
6	76	14	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		13	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
		11	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		12	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
7	1	16	0.60	0.72	-0.03	0.50	0.19	0.34	0.10	0.01	0.10	0.02	-0.02
		15	0.39	0.10	-0.45	0.07	-0.42	0.12	-0.03	-0.07	-0.07	-0.03	8.91e-03
		13	0.65	0.57	-0.43	0.16	-0.02	0.49	0.01	-0.06	-0.06	0.01	-9.95e-03
		14	0.55	0.42	-0.25	0.19	-0.02	0.32	0.10	0.02	0.09	0.03	0.02
7	2	16	0.60	0.72	-0.03	0.50	0.19	0.34	0.10	0.01	0.10	0.02	-0.02
		15	0.39	0.10	-0.45	0.07	-0.42	0.12	-0.03	-0.07	-0.07	-0.03	8.91e-03
		13	0.65	0.57	-0.43	0.16	-0.02	0.49	0.01	-0.06	-0.06	0.01	-9.95e-03
		14	0.55	0.42	-0.25	0.19	-0.02	0.32	0.10	0.02	0.09	0.03	0.02
7	3	16	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		15	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		13	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		14	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
7	4	16	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		15	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		13	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		14	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
7	5	16	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		15	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		13	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		14	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
7	6	16	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		15	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		13	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		14	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
7	7	16	14.23	9.65	-4.11	5.62	-0.08	-6.26	-0.70	-3.59	-3.57	-0.72	0.23
		15	22.96	32.48	2.09	5.06	29.51	-9.02	3.73	0.72	3.72	0.73	-0.14
		13	23.55	33.36	1.67	5.07	29.96	9.80	3.78	0.78	3.77	0.78	0.13
		14	14.60	9.90	-5.26	4.96	-0.33	7.10	-0.70	-3.63	-3.62	-0.72	-0.24
7	8	16	14.71	16.34	0.26	13.34	3.25	6.26	2.56	0.45	2.52	0.49	-0.29
		15	11.86	4.53	-12.65	2.60	-10.73	5.42	-1.02	-2.18	-2.17	-1.02	-0.06
		13	6.85	0.70	-7.11	-2.53	-3.88	3.84	0.79	-0.15	0.02	0.62	-0.37
		14	7.72	-0.50	-11.84	-10.47	-1.87	3.70	0.19	0.08	0.18	0.09	0.03
7	9	16	15.56	10.53	-4.53	6.10	-0.10	-6.86	-0.76	-3.93	-3.91	-0.79	0.25
		15	25.11	35.51	2.27	5.52	32.26	-9.87	4.08	0.79	4.07	0.79	-0.15
		13	25.72	36.41	1.84	5.52	32.72	10.67	4.13	0.85	4.13	0.85	0.14
		14	15.93	10.78	-5.73	5.41	-0.36	7.73	-0.76	-3.98	-3.96	-0.78	-0.26
7	10	16	14.06	16.28	0.78	13.83	3.23	5.66	2.23	0.38	2.19	0.42	-0.27
		15	9.90	4.71	-9.63	3.06	-7.98	4.58	-0.94	-1.83	-1.82	-0.95	-0.07
		13	7.19	3.14	-6.33	-2.07	-1.12	4.71	0.92	0.14	0.38	0.69	-0.35
		14	8.02	-0.02	-11.90	-10.02	-1.90	4.33	0.02	-0.16	-0.16	0.02	8.28e-03
7	11	16	14.23	9.64	-4.10	5.62	-0.08	-6.25	-0.70	-3.59	-3.57	-0.72	0.23
		15	22.96	32.48	2.10	5.06	29.51	-9.01	3.73	0.72	3.72	0.73	-0.14
		13	23.55	33.36	1.67	5.07	29.96	9.81	3.78	0.78	3.77	0.78	0.13
		14	14.61	9.90	-5.27	4.96	-0.33	7.11	-0.70	-3.63	-3.62	-0.72	-0.24
7	12	16	14.71	16.33	0.26	13.34	3.25	6.25	2.56	0.45	2.52	0.49	-0.29

		15	11.85	4.52	-12.65	2.60	-10.73	5.42	-1.02	-2.18	-2.17	-1.02	-0.06
		13	6.84	0.69	-7.10	-2.53	-3.88	3.84	0.79	-0.15	0.02	0.62	-0.37
		14	7.72	-0.50	-11.84	-10.47	-1.87	3.70	0.19	0.08	0.18	0.09	0.03
7	13	16	15.56	10.52	-4.53	6.10	-0.10	-6.86	-0.76	-3.93	-3.91	-0.79	0.25
		15	25.10	35.50	2.28	5.52	32.26	-9.86	4.08	0.79	4.07	0.79	-0.15
		13	25.72	36.41	1.84	5.53	32.72	10.68	4.13	0.85	4.13	0.85	0.14
		14	15.94	10.78	-5.73	5.41	-0.36	7.74	-0.76	-3.98	-3.96	-0.78	-0.26
7	14	16	14.06	16.27	0.79	13.83	3.23	5.65	2.23	0.38	2.19	0.42	-0.27
		15	9.89	4.71	-9.63	3.06	-7.98	4.57	-0.94	-1.83	-1.82	-0.95	-0.07
		13	7.18	3.13	-6.32	-2.07	-1.12	4.70	0.92	0.15	0.38	0.69	-0.35
		14	8.01	-0.03	-11.89	-10.02	-1.90	4.32	0.02	-0.16	-0.16	0.02	8.29e-03
7	15	16	14.23	9.65	-4.11	5.62	-0.08	-6.26	-0.70	-3.59	-3.57	-0.72	0.23
		15	22.96	32.48	2.09	5.06	29.51	-9.02	3.73	0.72	3.72	0.73	-0.14
		13	23.55	33.36	1.67	5.07	29.96	9.80	3.78	0.78	3.77	0.78	0.13
		14	14.60	9.90	-5.26	4.96	-0.33	7.10	-0.70	-3.63	-3.62	-0.72	-0.24
7	16	16	14.71	16.34	0.26	13.34	3.25	6.26	2.56	0.45	2.52	0.49	-0.29
		15	11.86	4.53	-12.65	2.60	-10.73	5.42	-1.02	-2.18	-2.17	-1.02	-0.06
		13	6.85	0.70	-7.11	-2.53	-3.88	3.84	0.79	-0.15	0.02	0.62	-0.37
		14	7.72	-0.50	-11.84	-10.47	-1.87	3.70	0.19	0.08	0.18	0.09	0.03
7	17	16	15.56	10.53	-4.53	6.10	-0.10	-6.86	-0.76	-3.93	-3.91	-0.79	0.25
		15	25.11	35.51	2.27	5.52	32.26	-9.87	4.08	0.79	4.07	0.79	-0.15
		13	25.72	36.41	1.84	5.52	32.72	10.67	4.13	0.85	4.13	0.85	0.14
		14	15.93	10.78	-5.73	5.41	-0.36	7.73	-0.76	-3.98	-3.96	-0.78	-0.26
7	18	16	14.06	16.28	0.78	13.83	3.23	5.66	2.23	0.38	2.19	0.42	-0.27
		15	9.90	4.71	-9.63	3.06	-7.98	4.58	-0.94	-1.83	-1.82	-0.95	-0.07
		13	7.19	3.14	-6.33	-2.07	-1.12	4.71	0.92	0.14	0.38	0.69	-0.35
		14	8.02	-0.02	-11.90	-10.02	-1.90	4.33	0.02	-0.16	-0.16	0.02	8.26e-03
7	19	16	14.23	9.64	-4.10	5.62	-0.08	-6.25	-0.70	-3.59	-3.57	-0.72	0.23
		15	22.96	32.48	2.10	5.06	29.51	-9.01	3.73	0.72	3.72	0.73	-0.14
		13	23.55	33.36	1.67	5.07	29.96	9.81	3.78	0.78	3.77	0.78	0.13
		14	14.60	9.90	-5.27	4.96	-0.33	7.11	-0.70	-3.63	-3.62	-0.72	-0.24
7	20	16	14.71	16.33	0.26	13.34	3.25	6.25	2.56	0.45	2.52	0.49	-0.29
		15	11.85	4.52	-12.65	2.60	-10.73	5.42	-1.02	-2.18	-2.17	-1.02	-0.06
		13	6.84	0.69	-7.10	-2.53	-3.88	3.84	0.79	-0.15	0.02	0.62	-0.37
		14	7.72	-0.50	-11.84	-10.47	-1.87	3.70	0.19	0.08	0.18	0.09	0.03
7	21	16	15.56	10.52	-4.53	6.10	-0.10	-6.86	-0.76	-3.93	-3.91	-0.79	0.25
		15	25.10	35.50	2.28	5.52	32.26	-9.86	4.08	0.79	4.07	0.79	-0.15
		13	25.72	36.41	1.84	5.53	32.72	10.68	4.13	0.85	4.13	0.85	0.14
		14	15.94	10.78	-5.73	5.41	-0.36	7.74	-0.76	-3.98	-3.96	-0.78	-0.26
7	22	16	14.06	16.27	0.79	13.83	3.23	5.65	2.23	0.38	2.19	0.42	-0.27
		15	9.89	4.71	-9.63	3.06	-7.98	4.57	-0.94	-1.83	-1.82	-0.95	-0.07
		13	7.18	3.13	-6.32	-2.07	-1.12	4.70	0.92	0.15	0.38	0.69	-0.35
		14	8.01	-0.03	-11.89	-10.02	-1.90	4.32	0.02	-0.16	-0.16	0.02	8.27e-03
7	23	16	54.91	36.68	-17.02	20.37	-0.70	-24.70	-2.71	-13.95	-13.88	-2.78	0.93
		15	88.58	125.14	7.76	19.18	113.72	-34.77	14.42	2.81	14.40	2.83	-0.54
		13	89.88	126.85	6.76	19.04	114.57	36.39	14.58	2.94	14.55	2.97	0.52
		14	55.56	36.90	-19.54	18.57	-1.21	26.44	-2.71	-14.10	-14.03	-2.79	-0.94
7	24	16	44.57	52.96	3.58	46.13	10.41	17.04	6.57	1.12	6.44	1.25	-0.83
		15	28.62	15.90	-25.33	10.97	-20.40	13.38	-2.95	-5.30	-5.26	-2.98	-0.29
		13	24.70	14.75	-19.27	-6.28	1.76	16.52	3.38	1.08	2.05	2.41	-1.14
		14	28.22	0.49	-39.70	-32.86	-6.35	15.10	-0.11	-1.38	-1.38	-0.12	-0.05
7	25	16	55.31	36.95	-17.14	20.51	-0.71	-24.88	-2.73	-14.06	-13.98	-2.80	0.93
		15	89.22	126.04	7.82	19.32	114.55	-35.03	14.53	2.83	14.50	2.85	-0.55
		13	90.53	127.77	6.81	19.17	115.40	36.65	14.68	2.97	14.66	2.99	0.52
		14	55.96	37.17	-19.68	18.70	-1.21	26.62	-2.73	-14.21	-14.13	-2.81	-0.95
7	26	16	44.38	52.96	3.72	46.28	10.40	16.86	6.47	1.10	6.34	1.23	-0.83
		15	28.07	15.96	-24.42	11.11	-19.57	13.12	-2.92	-5.20	-5.16	-2.96	-0.29
		13	25.00	15.56	-19.12	-6.15	2.59	16.78	3.44	1.15	2.16	2.43	-1.13
		14	28.45	0.65	-39.74	-32.73	-6.36	15.29	-0.13	-1.48	-1.48	-0.14	-0.05
7	27	16	54.91	36.68	-17.02	20.37	-0.70	-24.70	-2.71	-13.95	-13.88	-2.78	0.92
		15	88.58	125.14	7.76	19.18	113.72	-34.77	14.42	2.81	14.40	2.83	-0.54
		13	89.88	126.85	6.76	19.04	114.57	36.39	14.58	2.94	14.55	2.97	0.52
		14	55.56	36.90	-19.54	18.57	-1.21	26.44	-2.71	-14.10	-14.03	-2.79	-0.94
7	28	16	44.57	52.96	3.58	46.13	10.41	17.04	6.57	1.12	6.44	1.25	-0.83
		15	28.62	15.90	-25.33	10.97	-20.40	13.38	-2.95	-5.30	-5.26	-2.98	-0.29
		13	24.70	14.75	-19.27	-6.28	1.76	16.52	3.38	1.08	2.05	2.41	-1.14
		14	28.22	0.49	-39.70	-32.86	-6.35	15.10	-0.11	-1.38	-1.38	-0.12	-0.05
7	29	16	55.31	36.95	-17.14	20.51	-0.71	-24.88	-2.73	-14.06	-13.98	-2.80	0.93
		15	89.22	126.04	7.82	19.32	114.55	-35.03	14.53	2.83	14.50	2.85	-0.55
		13	90.53	127.77	6.81	19.17	115.40	36.65	14.68	2.97	14.66	2.99	0.52
		14	55.96	37.17	-19.68	18.70	-1.21	26.62	-2.73	-14.21	-14.13	-2.81	-0.95
7	30	16	44.38	52.96	3.72	46.28	10.40	16.86	6.47	1.10	6.34	1.23	-0.83
		15	28.07	15.96	-24.42	11.11	-19.57	13.12	-2.92	-5.20	-5.16	-2.96	-0.29
		13	25.00	15.56	-19.12	-6.15	2.59	16.78	3.44	1.15	2.16	2.43	-1.13
		14	28.45	0.65	-39.74	-32.73	-6.36	15.29	-0.13	-1.48	-1.48	-0.14	-0.05
7	31	16	54.89	36.66	-16.99	20.37	-0.70	-24.67	-2.71	-13.96	-13.88	-2.78	0.92
		15	88.57	125.13	7.78	19.18	113.73	-34.75	14.42	2.81	14.39	2.83	-0.54

		13	89.89	126.86	6.74	19.04	114.57	36.41	14.57	2.94	14.55	2.97	0.52
		14	55.58	36.93	-19.57	18.57	-1.20	26.46	-2.71	-14.10	-14.03	-2.79	-0.94
7	32	16	44.56	52.94	3.60	46.13	10.41	17.02	6.57	1.12	6.44	1.25	-0.83
		15	28.61	15.88	-25.32	10.97	-20.41	13.35	-2.95	-5.30	-5.26	-2.98	-0.29
		13	24.67	14.72	-19.24	-6.29	1.77	16.50	3.38	1.08	2.05	2.41	-1.14
		14	28.21	0.47	-39.69	-32.87	-6.35	15.08	-0.11	-1.38	-1.38	-0.12	-0.05
7	33	16	55.29	36.93	-17.12	20.51	-0.71	-24.85	-2.73	-14.06	-13.98	-2.80	0.93
		15	89.21	126.04	7.84	19.32	114.55	-35.00	14.52	2.83	14.50	2.85	-0.55
		13	90.53	127.78	6.79	19.18	115.40	36.67	14.68	2.97	14.66	2.99	0.52
		14	55.98	37.19	-19.70	18.70	-1.21	26.65	-2.73	-14.21	-14.13	-2.81	-0.95
7	34	16	44.37	52.94	3.74	46.28	10.40	16.83	6.47	1.10	6.34	1.23	-0.83
		15	28.05	15.94	-24.41	11.11	-19.58	13.10	-2.92	-5.20	-5.16	-2.96	-0.29
		13	24.98	15.54	-19.10	-6.15	2.60	16.76	3.44	1.15	2.16	2.43	-1.13
		14	28.43	0.63	-39.72	-32.73	-6.36	15.27	-0.13	-1.48	-1.48	-0.14	-0.05
7	35	16	54.89	36.66	-16.99	20.37	-0.70	-24.67	-2.71	-13.96	-13.88	-2.78	0.92
		15	88.57	125.13	7.78	19.18	113.73	-34.75	14.42	2.81	14.39	2.83	-0.54
		13	89.89	126.86	6.74	19.04	114.57	36.41	14.57	2.94	14.55	2.97	0.52
		14	55.58	36.93	-19.57	18.57	-1.20	26.46	-2.71	-14.10	-14.03	-2.79	-0.94
7	36	16	44.56	52.94	3.60	46.13	10.41	17.02	6.57	1.12	6.44	1.25	-0.83
		15	28.61	15.88	-25.32	10.97	-20.41	13.35	-2.95	-5.30	-5.26	-2.98	-0.29
		13	24.67	14.72	-19.24	-6.29	1.77	16.50	3.38	1.08	2.05	2.41	-1.14
		14	28.21	0.47	-39.69	-32.87	-6.35	15.08	-0.11	-1.38	-1.38	-0.12	-0.05
7	37	16	55.29	36.93	-17.12	20.51	-0.71	-24.85	-2.73	-14.06	-13.98	-2.80	0.93
		15	89.21	126.04	7.84	19.32	114.55	-35.00	14.52	2.83	14.50	2.85	-0.55
		13	90.53	127.78	6.79	19.18	115.40	36.67	14.68	2.97	14.66	2.99	0.52
		14	55.98	37.19	-19.70	18.70	-1.21	26.65	-2.73	-14.21	-14.13	-2.81	-0.95
7	38	16	44.37	52.94	3.74	46.28	10.40	16.83	6.47	1.10	6.34	1.23	-0.83
		15	28.05	15.94	-24.41	11.11	-19.58	13.10	-2.92	-5.20	-5.16	-2.96	-0.29
		13	24.98	15.54	-19.10	-6.15	2.60	16.76	3.44	1.15	2.16	2.43	-1.13
		14	28.43	0.63	-39.72	-32.73	-6.36	15.27	-0.13	-1.48	-1.48	-0.14	-0.05
7	39	16	0.47	0.57	-0.04	0.39	0.14	0.28	0.08	0.01	0.08	0.01	-0.01
		15	0.30	0.09	-0.35	0.06	-0.32	0.11	-0.02	-0.06	-0.06	-0.02	6.82e-03
		13	0.52	0.45	-0.35	0.11	-0.01	0.39	0.01	-0.05	-0.05	8.97e-03	-7.69e-03
		14	0.43	0.33	-0.22	0.14	-0.02	0.26	0.08	0.02	0.07	0.02	0.01
7	40	16	0.45	0.54	-0.01	0.39	0.14	0.25	0.08	0.01	0.08	0.01	-0.01
		15	0.29	0.07	-0.34	0.06	-0.32	0.08	-0.02	-0.06	-0.06	-0.02	6.91e-03
		13	0.48	0.42	-0.31	0.13	-0.02	0.36	0.01	-0.05	-0.04	9.12e-03	-7.63e-03
		14	0.41	0.31	-0.18	0.15	-0.02	0.23	0.08	0.02	0.07	0.02	0.01
7	41	16	0.47	0.57	-0.04	0.39	0.14	0.28	0.08	0.01	0.08	0.01	-0.01
		15	0.30	0.09	-0.35	0.06	-0.32	0.11	-0.02	-0.06	-0.06	-0.02	6.80e-03
		13	0.52	0.45	-0.35	0.11	-0.01	0.39	0.01	-0.05	-0.05	8.95e-03	-7.68e-03
		14	0.43	0.33	-0.22	0.14	-0.02	0.26	0.08	0.02	0.07	0.02	0.01
7	42	16	0.45	0.54	-0.01	0.39	0.14	0.25	0.08	0.01	0.08	0.01	-0.01
		15	0.29	0.07	-0.34	0.06	-0.33	0.08	-0.02	-0.06	-0.06	-0.02	6.89e-03
		13	0.48	0.42	-0.31	0.13	-0.02	0.36	0.01	-0.05	-0.04	9.11e-03	-7.63e-03
		14	0.41	0.31	-0.18	0.15	-0.02	0.23	0.08	0.02	0.07	0.02	0.01
7	43	16	0.47	0.58	-0.04	0.39	0.14	0.28	0.08	0.01	0.08	0.01	-0.01
		15	0.30	0.09	-0.36	0.06	-0.32	0.12	-0.02	-0.06	-0.06	-0.02	6.80e-03
		13	0.52	0.45	-0.35	0.11	-0.01	0.40	0.01	-0.05	-0.05	8.95e-03	-7.70e-03
		14	0.43	0.34	-0.22	0.14	-0.02	0.27	0.08	0.02	0.07	0.02	0.01
7	44	16	0.45	0.54	-8.14e-03	0.39	0.14	0.24	0.08	0.01	0.08	0.01	-0.01
		15	0.29	0.07	-0.34	0.06	-0.33	0.08	-0.02	-0.06	-0.06	-0.02	6.92e-03
		13	0.48	0.42	-0.31	0.13	-0.02	0.36	0.01	-0.05	-0.04	9.14e-03	-7.61e-03
		14	0.41	0.31	-0.17	0.15	-0.02	0.23	0.08	0.02	0.07	0.02	0.01
7	45	16	0.47	0.58	-0.04	0.39	0.14	0.28	0.08	0.01	0.08	0.01	-0.01
		15	0.30	0.09	-0.36	0.06	-0.32	0.12	-0.02	-0.06	-0.06	-0.02	6.79e-03
		13	0.52	0.45	-0.35	0.11	-0.01	0.40	0.01	-0.05	-0.05	8.93e-03	-7.70e-03
		14	0.43	0.34	-0.22	0.14	-0.02	0.27	0.08	0.02	0.07	0.02	0.01
7	46	16	0.45	0.54	-8.15e-03	0.39	0.14	0.24	0.08	0.01	0.08	0.01	-0.01
		15	0.29	0.07	-0.34	0.06	-0.33	0.08	-0.02	-0.06	-0.06	-0.02	6.91e-03
		13	0.48	0.42	-0.31	0.13	-0.02	0.36	0.01	-0.05	-0.04	9.13e-03	-7.61e-03
		14	0.41	0.31	-0.17	0.15	-0.02	0.23	0.08	0.02	0.07	0.02	0.01
7	47	16	0.47	0.57	-0.04	0.39	0.14	0.28	0.08	0.01	0.08	0.01	-0.01
		15	0.30	0.09	-0.35	0.06	-0.32	0.11	-0.02	-0.06	-0.06	-0.02	6.82e-03
		13	0.52	0.45	-0.35	0.11	-0.01	0.39	0.01	-0.05	-0.05	8.97e-03	-7.68e-03
		14	0.43	0.33	-0.22	0.14	-0.02	0.26	0.08	0.02	0.07	0.02	0.01
7	48	16	0.45	0.54	-0.01	0.39	0.14	0.25	0.08	0.01	0.08	0.01	-0.01
		15	0.29	0.07	-0.34	0.06	-0.32	0.08	-0.02	-0.06	-0.06	-0.02	6.91e-03
		13	0.48	0.42	-0.31	0.13	-0.02	0.36	0.01	-0.05	-0.04	9.12e-03	-7.63e-03
		14	0.41	0.31	-0.18	0.15	-0.02	0.23	0.08	0.02	0.07	0.02	0.01
7	49	16	0.47	0.57	-0.04	0.39	0.14	0.28	0.08	0.01	0.08	0.01	-0.01
		15	0.30	0.09	-0.35	0.06	-0.32	0.11	-0.02	-0.06	-0.06	-0.02	6.80e-03
		13	0.52	0.45	-0.35	0.11	-0.01	0.39	0.01	-0.05	-0.05	8.95e-03	-7.69e-03
		14	0.43	0.33	-0.22	0.14	-0.02	0.26	0.08	0.02	0.07	0.02	0.01
7	50	16	0.45	0.54	-0.01	0.39	0.14	0.25	0.08	0.01	0.08	0.01	-0.01
		15	0.29	0.07	-0.34	0.06	-0.33	0.08	-0.02	-0.06	-0.06	-0.02	6.89e-03
		13	0.48	0.42	-0.31	0.13	-0.02	0.36	0.01	-0.05	-0.04	9.11e-03	-7.63e-03



7	70	16	0.43	0.50	0.03	0.39	0.14	0.20	0.08	0.01	0.08	0.01	-0.01
		15	0.29	0.06	-0.33	0.05	-0.33	0.03	-0.02	-0.06	-0.05	-0.02	7.05e-03
		13	0.44	0.38	-0.26	0.14	-0.02	0.31	0.01	-0.04	-0.04	9.36e-03	-7.51e-03
		14	0.38	0.28	-0.13	0.16	-0.01	0.18	0.08	0.02	0.07	0.02	0.01
7	71	16	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		15	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		13	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		14	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
7	72	16	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		15	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		13	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		14	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
7	73	16	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		15	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		13	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		14	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
7	74	16	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		15	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		13	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		14	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
7	75	16	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		15	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		13	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		14	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
7	76	16	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		15	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
		13	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		14	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
8	1	1	0.55	0.42	-0.25	0.19	-0.02	-0.32	0.10	0.02	0.09	0.03	-0.02
		2	0.65	0.57	-0.43	0.16	-0.02	-0.49	0.01	-0.06	-0.06	0.01	9.95e-03
		15	0.39	0.10	-0.45	0.07	-0.42	-0.12	-0.03	-0.07	-0.07	-0.03	-8.91e-03
		16	0.60	0.72	-0.03	0.50	0.19	-0.34	0.10	0.01	0.10	0.02	0.02
8	2	1	0.55	0.42	-0.25	0.19	-0.02	-0.32	0.10	0.02	0.09	0.03	-0.02
		2	0.65	0.57	-0.43	0.16	-0.02	-0.49	0.01	-0.06	-0.06	0.01	9.95e-03
		15	0.39	0.10	-0.45	0.07	-0.42	-0.12	-0.03	-0.07	-0.07	-0.03	-8.91e-03
		16	0.60	0.72	-0.03	0.50	0.19	-0.34	0.10	0.01	0.10	0.02	0.02
8	3	1	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		2	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		15	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		16	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
8	4	1	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		2	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		15	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		16	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
8	5	1	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		2	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		15	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		16	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
8	6	1	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		2	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		15	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		16	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
8	7	1	14.55	9.84	-5.16	5.00	-0.32	-7.01	-0.70	-3.63	-3.61	-0.72	0.24
		2	23.49	33.30	1.76	5.10	29.96	-9.71	3.78	0.78	3.78	0.78	-0.13
		15	23.00	32.53	2.03	5.06	29.51	9.11	3.73	0.72	3.73	0.73	0.14
		16	14.29	9.73	-4.19	5.62	-0.08	6.35	-0.70	-3.59	-3.57	-0.72	-0.23
8	8	1	7.79	-0.45	-11.93	-10.50	-1.88	-3.80	0.19	0.08	0.18	0.09	-0.03
		2	6.94	0.77	-7.21	-2.56	-3.88	-3.94	0.79	-0.15	0.02	0.62	0.37
		15	11.91	4.59	-12.71	2.60	-10.72	-5.52	-1.02	-2.18	-2.17	-1.02	0.06
		16	14.75	16.41	0.19	13.34	3.25	-6.35	2.56	0.45	2.52	0.49	0.29
8	9	1	15.88	10.72	-5.63	5.44	-0.35	-7.64	-0.76	-3.97	-3.95	-0.78	0.26
		2	25.66	36.35	1.92	5.56	32.72	-10.58	4.13	0.85	4.13	0.85	-0.14
		15	25.15	35.56	2.22	5.52	32.26	9.96	4.08	0.79	4.07	0.80	0.15
		16	15.62	10.61	-4.62	6.10	-0.10	6.96	-0.76	-3.93	-3.91	-0.79	-0.26
8	10	1	8.10	0.03	-12.00	-10.06	-1.91	-4.42	0.02	-0.16	-0.16	0.02	-8.17e-03
		2	7.29	3.21	-6.44	-2.11	-1.12	-4.80	0.92	0.14	0.37	0.69	0.35
		15	9.96	4.77	-9.68	3.06	-7.97	-4.67	-0.94	-1.83	-1.83	-0.95	0.07
		16	14.10	16.34	0.71	13.83	3.23	-5.75	2.22	0.38	2.18	0.42	0.27
8	11	1	14.54	9.83	-5.16	4.99	-0.32	-7.00	-0.70	-3.63	-3.61	-0.72	0.24
		2	23.49	33.30	1.76	5.10	29.96	-9.70	3.78	0.78	3.78	0.78	-0.13
		15	23.01	32.53	2.03	5.06	29.51	9.12	3.73	0.72	3.73	0.73	0.14
		16	14.29	9.74	-4.20	5.62	-0.08	6.36	-0.70	-3.59	-3.57	-0.72	-0.23
8	12	1	7.79	-0.44	-11.94	-10.50	-1.88	-3.80	0.19	0.08	0.18	0.09	-0.03
		2	6.95	0.78	-7.22	-2.56	-3.88	-3.94	0.79	-0.15	0.02	0.62	0.37
		15	11.92	4.59	-12.71	2.60	-10.72	-5.52	-1.02	-2.18	-2.17	-1.02	0.06
		16	14.75	16.42	0.18	13.34	3.25	-6.36	2.56	0.45	2.52	0.49	0.29
8	13	1	15.88	10.71	-5.62	5.44	-0.35	-7.63	-0.76	-3.97	-3.95	-0.78	0.26

		2	25.65	36.35	1.93	5.56	32.72	-10.57	4.13	0.85	4.13	0.85	-0.14
		15	25.15	35.56	2.21	5.52	32.25	9.96	4.08	0.79	4.07	0.80	0.15
		16	15.63	10.62	-4.62	6.10	-0.10	6.96	-0.76	-3.93	-3.91	-0.79	-0.26
8	14	1	8.10	0.04	-12.00	-10.06	-1.91	-4.43	0.02	-0.16	-0.16	0.02	-8.16e-03
		2	7.30	3.22	-6.44	-2.10	-1.12	-4.81	0.92	0.14	0.37	0.69	0.35
		15	9.96	4.78	-9.69	3.06	-7.97	-4.68	-0.94	-1.83	-1.83	-0.95	0.07
		16	14.10	16.35	0.71	13.83	3.23	-5.76	2.22	0.38	2.18	0.42	0.27
8	15	1	14.55	9.84	-5.16	5.00	-0.32	-7.01	-0.70	-3.63	-3.61	-0.72	0.24
		2	23.49	33.30	1.76	5.10	29.96	-9.71	3.78	0.78	3.78	0.78	-0.13
		15	23.00	32.53	2.03	5.06	29.51	9.11	3.73	0.72	3.73	0.73	0.14
		16	14.29	9.73	-4.19	5.62	-0.08	6.35	-0.70	-3.59	-3.57	-0.72	-0.23
8	16	1	7.79	-0.45	-11.93	-10.50	-1.88	-3.80	0.19	0.08	0.18	0.09	-0.03
		2	6.94	0.77	-7.21	-2.56	-3.88	-3.94	0.79	-0.15	0.02	0.62	0.37
		15	11.91	4.59	-12.71	2.60	-10.72	-5.52	-1.02	-2.18	-2.17	-1.02	0.06
		16	14.75	16.41	0.19	13.34	3.25	-6.35	2.56	0.45	2.52	0.49	0.29
8	17	1	15.88	10.72	-5.63	5.44	-0.35	-7.64	-0.76	-3.97	-3.95	-0.78	0.26
		2	25.66	36.35	1.92	5.56	32.72	-10.58	4.13	0.85	4.13	0.85	-0.14
		15	25.15	35.56	2.22	5.52	32.26	9.96	4.08	0.79	4.07	0.80	0.15
		16	15.62	10.61	-4.62	6.10	-0.10	6.96	-0.76	-3.93	-3.91	-0.79	-0.26
8	18	1	8.10	0.03	-12.00	-10.06	-1.91	4.42	0.02	-0.16	-0.16	0.02	-8.19e-03
		2	7.29	3.21	-6.44	-2.11	-1.12	-4.80	0.92	0.14	0.37	0.69	0.35
		15	9.96	4.77	-9.68	3.06	-7.97	-4.67	-0.94	-1.83	-1.83	-0.95	0.07
		16	14.10	16.34	0.71	13.83	3.23	-5.75	2.22	0.38	2.18	0.42	0.27
8	19	1	14.54	9.83	-5.16	4.99	-0.32	-7.00	-0.70	-3.63	-3.61	-0.72	0.24
		2	23.49	33.30	1.76	5.10	29.96	-9.70	3.78	0.78	3.78	0.78	-0.13
		15	23.01	32.53	2.03	5.06	29.51	9.12	3.73	0.72	3.73	0.73	0.14
		16	14.29	9.74	-4.20	5.62	-0.08	6.36	-0.70	-3.59	-3.57	-0.72	-0.23
8	20	1	7.79	-0.44	-11.94	-10.50	-1.88	-3.80	0.19	0.08	0.18	0.09	-0.03
		2	6.95	0.78	-7.22	-2.56	-3.88	-3.94	0.79	-0.15	0.02	0.62	0.37
		15	11.92	4.59	-12.71	2.60	-10.72	-5.52	-1.02	-2.18	-2.17	-1.02	0.06
		16	14.75	16.42	0.18	13.34	3.25	-6.36	2.56	0.45	2.52	0.49	0.29
8	21	1	15.88	10.71	-5.62	5.44	-0.35	-7.63	-0.76	-3.97	-3.95	-0.78	0.26
		2	25.65	36.35	1.93	5.56	32.72	-10.57	4.13	0.85	4.13	0.85	-0.14
		15	25.15	35.56	2.21	5.52	32.25	9.96	4.08	0.79	4.07	0.80	0.15
		16	15.63	10.62	-4.62	6.10	-0.10	6.96	-0.76	-3.93	-3.91	-0.79	-0.26
8	22	1	8.10	0.04	-12.00	-10.06	-1.91	-4.43	0.02	-0.16	-0.16	0.02	-8.18e-03
		2	7.30	3.22	-6.44	-2.10	-1.12	-4.81	0.92	0.14	0.37	0.69	0.35
		15	9.96	4.78	-9.69	3.06	-7.97	-4.68	-0.94	-1.83	-1.83	-0.95	0.07
		16	14.10	16.35	0.71	13.83	3.23	-5.76	2.22	0.38	2.18	0.42	0.27
8	23	1	55.40	36.70	-19.21	18.68	-1.18	-26.13	-2.71	-14.10	-14.02	-2.79	0.94
		2	89.69	126.67	7.04	19.15	114.56	-36.08	14.58	2.95	14.56	2.97	-0.52
		15	88.72	125.30	7.58	19.17	113.71	35.08	14.42	2.81	14.40	2.83	0.54
		16	55.10	36.96	-17.30	20.37	-0.70	25.00	-2.70	-13.95	-13.87	-2.78	-0.93
8	24	1	28.49	0.68	-40.03	-32.98	-6.37	-15.41	-0.12	-1.39	-1.38	-0.12	0.05
		2	25.03	15.00	-19.63	-6.40	1.77	-16.83	3.38	1.08	2.05	2.41	1.14
		15	28.82	16.11	-25.51	10.98	-20.39	-13.68	-2.95	-5.30	-5.27	-2.98	0.29
		16	44.68	53.17	3.37	46.13	10.41	-17.34	6.57	1.12	6.44	1.25	0.83
8	25	1	55.80	36.97	-19.35	18.81	-1.19	-26.32	-2.73	-14.20	-14.12	-2.81	0.95
		2	90.34	127.59	7.09	19.29	115.39	-36.34	14.69	2.97	14.66	2.99	-0.52
		15	89.36	126.21	7.63	19.31	114.53	35.33	14.53	2.83	14.50	2.86	0.55
		16	55.50	37.23	-17.42	20.51	-0.71	25.18	-2.72	-14.05	-13.97	-2.80	-0.93
8	26	1	28.72	0.84	-40.07	-32.85	-6.38	-15.60	-0.14	-1.49	-1.49	-0.14	0.05
		2	25.34	15.82	-19.48	-6.26	2.60	-17.09	3.43	1.15	2.15	2.43	1.13
		15	28.27	16.16	-24.61	11.11	-19.56	-13.43	-2.92	-5.20	-5.16	-2.96	0.29
		16	44.49	53.16	3.51	46.28	10.40	-17.16	6.47	1.10	6.33	1.23	0.83
8	27	1	55.40	36.70	-19.21	18.68	-1.18	-26.13	-2.71	-14.10	-14.02	-2.79	0.94
		2	89.69	126.67	7.04	19.15	114.56	-36.08	14.58	2.95	14.56	2.97	-0.52
		15	88.72	125.30	7.58	19.17	113.71	35.08	14.42	2.81	14.40	2.83	0.54
		16	55.10	36.96	-17.30	20.37	-0.70	25.00	-2.70	-13.95	-13.87	-2.78	-0.93
8	28	1	28.49	0.68	-40.03	-32.98	-6.37	-15.41	-0.12	-1.39	-1.38	-0.12	0.05
		2	25.03	15.00	-19.63	-6.40	1.77	-16.83	3.38	1.08	2.05	2.41	1.14
		15	28.82	16.11	-25.51	10.98	-20.39	-13.68	-2.95	-5.30	-5.27	-2.98	0.29
		16	44.68	53.17	3.37	46.13	10.41	-17.34	6.57	1.12	6.44	1.25	0.83
8	29	1	55.80	36.97	-19.35	18.81	-1.19	-26.32	-2.73	-14.20	-14.12	-2.81	0.95
		2	90.34	127.59	7.09	19.29	115.39	-36.34	14.69	2.97	14.66	2.99	-0.52
		15	89.36	126.21	7.63	19.31	114.53	35.33	14.53	2.83	14.50	2.86	0.55
		16	55.50	37.23	-17.42	20.51	-0.71	25.18	-2.72	-14.05	-13.97	-2.80	-0.93
8	30	1	28.72	0.84	-40.07	-32.85	-6.38	-15.60	-0.14	-1.49	-1.49	-0.14	0.05
		2	25.34	15.82	-19.48	-6.26	2.60	-17.09	3.43	1.15	2.15	2.43	1.13
		15	28.27	16.16	-24.61	11.11	-19.56	-13.43	-2.92	-5.20	-5.16	-2.96	0.29
		16	44.49	53.16	3.51	46.28	10.40	-17.16	6.47	1.10	6.33	1.23	0.83
8	31	1	55.38	36.68	-19.18	18.68	-1.18	-26.11	-2.71	-14.10	-14.02	-2.79	0.94
		2	89.68	126.66	7.05	19.15	114.56	-36.06	14.58	2.95	14.56	2.97	-0.52
		15	88.73	125.31	7.56	19.17	113.70	35.10	14.43	2.81	14.40	2.83	0.54
		16	55.11	36.99	-17.32	20.37	-0.70	25.03	-2.70	-13.95	-13.87	-2.78	-0.93
8	32	1	28.51	0.70	-40.05	-32.98	-6.37	-15.43	-0.12	-1.39	-1.39	-0.12	0.05
		2	25.06	15.03	-19.65	-6.39	1.77	-16.85	3.38	1.08	2.05	2.41	1.14

		15	28.84	16.12	-25.53	10.98	-20.38	-13.71	-2.95	-5.30	-5.27	-2.98	0.29
		16	44.69	53.18	3.35	46.13	10.41	-17.37	6.57	1.12	6.44	1.25	0.83
8	33	1	55.78	36.94	-19.32	18.81	-1.19	-26.29	-2.73	-14.20	-14.12	-2.81	0.95
		2	90.33	127.57	7.10	19.28	115.39	-36.32	14.69	2.97	14.67	2.99	-0.52
		15	89.37	126.22	7.62	19.31	114.53	35.36	14.53	2.83	14.50	2.86	0.55
		16	55.51	37.25	-17.45	20.51	-0.71	25.21	-2.72	-14.05	-13.97	-2.80	-0.93
8	34	1	28.73	0.86	-40.09	-32.84	-6.38	-15.62	-0.14	-1.49	-1.49	-0.14	0.05
		2	25.37	15.85	-19.50	-6.26	2.60	-17.11	3.43	1.15	2.15	2.43	1.13
		15	28.29	16.18	-24.62	11.12	-19.55	-13.45	-2.92	-5.20	-5.16	-2.96	0.29
		16	44.49	53.18	3.49	46.28	10.40	-17.19	6.46	1.10	6.33	1.23	0.83
8	35	1	55.38	36.68	-19.18	18.68	-1.18	-26.11	-2.71	-14.10	-14.02	-2.79	0.94
		2	89.68	126.66	7.05	19.15	114.56	-36.06	14.58	2.95	14.56	2.97	-0.52
		15	88.73	125.31	7.56	19.17	113.70	35.10	14.43	2.81	14.40	2.83	0.54
		16	55.12	36.99	-17.32	20.37	-0.70	25.03	-2.70	-13.95	-13.87	-2.78	-0.93
8	36	1	28.51	0.70	-40.05	-32.98	-6.37	-15.43	-0.12	-1.39	-1.39	-0.12	0.05
		2	25.06	15.03	-19.65	-6.39	1.77	-16.85	3.38	1.08	2.05	2.41	1.14
		15	28.84	16.12	-25.53	10.98	-20.38	-13.71	-2.95	-5.30	-5.27	-2.98	0.29
		16	44.69	53.18	3.35	46.13	10.41	-17.37	6.57	1.12	6.44	1.25	0.83
8	37	1	55.78	36.94	-19.32	18.81	-1.19	-26.29	-2.73	-14.20	-14.12	-2.81	0.95
		2	90.33	127.57	7.10	19.28	115.39	-36.32	14.69	2.97	14.67	2.99	-0.52
		15	89.37	126.22	7.62	19.31	114.53	35.36	14.53	2.83	14.50	2.86	0.55
		16	55.51	37.25	-17.45	20.51	-0.71	25.21	-2.72	-14.05	-13.97	-2.80	-0.93
8	38	1	28.73	0.86	-40.09	-32.84	-6.38	-15.62	-0.14	-1.49	-1.49	-0.14	0.05
		2	25.37	15.85	-19.50	-6.26	2.60	-17.11	3.43	1.15	2.15	2.43	1.13
		15	28.29	16.18	-24.62	11.12	-19.55	-13.45	-2.92	-5.20	-5.16	-2.96	0.29
		16	44.49	53.18	3.49	46.28	10.40	-17.19	6.46	1.10	6.33	1.23	0.83
8	39	1	0.41	0.31	-0.18	0.15	-0.02	-0.23	0.08	0.02	0.07	0.02	-0.01
		2	0.48	0.42	-0.31	0.13	-0.02	-0.36	0.01	-0.05	-0.04	9.12e-03	7.63e-03
		15	0.29	0.07	-0.34	0.06	-0.33	-0.08	-0.02	-0.06	-0.06	-0.02	-6.91e-03
		16	0.45	0.54	-0.01	0.39	0.14	-0.25	0.08	0.01	0.08	0.01	0.01
8	40	1	0.43	0.33	-0.22	0.14	-0.02	-0.26	0.08	0.02	0.07	0.02	-0.01
		2	0.52	0.45	-0.35	0.11	-0.01	-0.39	0.01	-0.05	-0.05	8.97e-03	7.68e-03
		15	0.30	0.09	-0.35	0.06	-0.32	-0.11	-0.02	-0.06	-0.06	-0.02	-6.82e-03
		16	0.47	0.57	-0.04	0.39	0.14	-0.28	0.08	0.01	0.08	0.01	0.01
8	41	1	0.41	0.31	-0.18	0.15	-0.02	-0.23	0.08	0.02	0.07	0.02	-0.01
		2	0.48	0.42	-0.31	0.13	-0.02	-0.36	0.01	-0.05	-0.04	9.11e-03	7.63e-03
		15	0.29	0.07	-0.34	0.06	-0.33	-0.08	-0.02	-0.06	-0.06	-0.02	-6.89e-03
		16	0.45	0.54	-0.01	0.39	0.14	-0.25	0.08	0.01	0.08	0.01	0.01
8	42	1	0.43	0.33	-0.22	0.14	-0.02	-0.26	0.08	0.02	0.07	0.02	-0.01
		2	0.52	0.45	-0.35	0.11	-0.01	-0.39	0.01	-0.05	-0.05	8.95e-03	7.68e-03
		15	0.30	0.09	-0.35	0.06	-0.32	-0.11	-0.02	-0.06	-0.06	-0.02	-6.80e-03
		16	0.47	0.57	-0.04	0.39	0.14	-0.28	0.08	0.01	0.08	0.01	0.01
8	43	1	0.41	0.31	-0.17	0.15	-0.02	-0.23	0.08	0.02	0.07	0.02	-0.01
		2	0.48	0.42	-0.31	0.13	-0.02	-0.36	0.01	-0.05	-0.04	9.14e-03	7.61e-03
		15	0.29	0.07	-0.34	0.06	-0.33	-0.08	-0.02	-0.06	-0.06	-0.02	-6.92e-03
		16	0.45	0.54	-8.14e-03	0.39	0.14	-0.24	0.08	0.01	0.08	0.01	0.01
8	44	1	0.43	0.34	-0.22	0.14	-0.02	-0.27	0.08	0.02	0.07	0.02	-0.01
		2	0.52	0.45	-0.35	0.11	-0.01	-0.40	0.01	-0.05	-0.05	8.95e-03	7.70e-03
		15	0.30	0.09	-0.36	0.06	-0.32	-0.12	-0.02	-0.06	-0.06	-0.02	-6.80e-03
		16	0.47	0.58	-0.04	0.39	0.14	-0.28	0.08	0.01	0.08	0.01	0.01
8	45	1	0.41	0.31	-0.17	0.15	-0.02	-0.23	0.08	0.02	0.07	0.02	-0.01
		2	0.48	0.42	-0.31	0.13	-0.02	-0.36	0.01	-0.05	-0.04	9.13e-03	7.62e-03
		15	0.29	0.07	-0.34	0.06	-0.33	-0.08	-0.02	-0.06	-0.06	-0.02	-6.91e-03
		16	0.45	0.54	-8.15e-03	0.39	0.14	-0.24	0.08	0.01	0.08	0.01	0.01
8	46	1	0.43	0.34	-0.22	0.14	-0.02	-0.27	0.08	0.02	0.07	0.02	-0.01
		2	0.52	0.45	-0.35	0.11	-0.01	-0.40	0.01	-0.05	-0.05	8.93e-03	7.70e-03
		15	0.30	0.09	-0.36	0.06	-0.32	-0.12	-0.02	-0.06	-0.06	-0.02	-6.79e-03
		16	0.47	0.58	-0.04	0.39	0.14	-0.28	0.08	0.01	0.08	0.01	0.01
8	47	1	0.41	0.31	-0.18	0.15	-0.02	-0.23	0.08	0.02	0.07	0.02	-0.01
		2	0.48	0.42	-0.31	0.13	-0.02	-0.36	0.01	-0.05	-0.04	9.12e-03	7.63e-03
		15	0.29	0.07	-0.34	0.06	-0.33	-0.08	-0.02	-0.06	-0.06	-0.02	-6.91e-03
		16	0.45	0.54	-0.01	0.39	0.14	-0.25	0.08	0.01	0.08	0.01	0.01
8	48	1	0.43	0.33	-0.22	0.14	-0.02	-0.26	0.08	0.02	0.07	0.02	-0.01
		2	0.52	0.45	-0.35	0.11	-0.01	-0.39	0.01	-0.05	-0.05	8.97e-03	7.68e-03
		15	0.30	0.09	-0.35	0.06	-0.32	-0.11	-0.02	-0.06	-0.06	-0.02	-6.82e-03
		16	0.47	0.57	-0.04	0.39	0.14	-0.28	0.08	0.01	0.08	0.01	0.01
8	49	1	0.41	0.31	-0.18	0.15	-0.02	-0.23	0.08	0.02	0.07	0.02	-0.01
		2	0.48	0.42	-0.31	0.13	-0.02	-0.36	0.01	-0.05	-0.04	9.11e-03	7.63e-03
		15	0.29	0.07	-0.34	0.06	-0.33	-0.08	-0.02	-0.06	-0.06	-0.02	-6.89e-03
		16	0.45	0.54	-0.01	0.39	0.14	-0.25	0.08	0.01	0.08	0.01	0.01
8	50	1	0.43	0.33	-0.22	0.14	-0.02	-0.26	0.08	0.02	0.07	0.02	-0.01
		2	0.52	0.45	-0.35	0.11	-0.01	-0.39	0.01	-0.05	-0.05	8.95e-03	7.68e-03
		15	0.30	0.09	-0.35	0.06	-0.32	-0.11	-0.02	-0.06	-0.06	-0.02	-6.80e-03
		16	0.47	0.57	-0.04	0.39	0.14	-0.28	0.08	0.01	0.08	0.01	0.01
8	51	1	0.41	0.31	-0.17	0.15	-0.02	-0.23	0.08	0.02	0.07	0.02	-0.01
		2	0.48	0.42	-0.31	0.13	-0.02	-0.36	0.01	-0.05	-0.04	9.14e-03	7.61e-03
		15	0.29	0.07	-0.34	0.06	-0.33	-0.08	-0.02	-0.06	-0.06	-0.02	-6.92e-03



8	71	1	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		2	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		15	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		16	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
8	72	1	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		2	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		15	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		16	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
8	73	1	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		2	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		15	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		16	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
8	74	1	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		2	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		15	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		16	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
8	75	1	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		2	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		15	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		16	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
8	76	1	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		2	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
		15	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		16	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
9	1	3	0.84	0.81	-0.64	0.05	0.12	-0.73	0.02	1.91e-04	5.92e-03	9.52e-03	7.31e-03
		18	0.68	0.69	-0.49	0.06	0.14	-0.59	-2.77e-03	-0.01	-0.01	-6.33e-03	-5.16e-03
		17	0.57	0.21	-0.72	-0.15	-0.37	-0.45	4.63e-03	-7.31e-03	-4.15e-03	1.47e-03	5.26e-03
9	2	2	0.63	0.39	-0.66	0.04	-0.31	-0.49	1.07e-03	-0.01	-3.49e-03	-9.06e-03	-6.80e-03
		3	0.84	0.81	-0.64	0.05	0.12	-0.73	0.02	1.91e-04	5.92e-03	9.52e-03	7.31e-03
		18	0.68	0.69	-0.49	0.06	0.14	-0.59	-2.77e-03	-0.01	-0.01	-6.33e-03	-5.16e-03
		17	0.57	0.21	-0.72	-0.15	-0.37	-0.45	4.63e-03	-7.31e-03	-4.15e-03	1.47e-03	5.26e-03
9	3	2	0.63	0.39	-0.66	0.04	-0.31	-0.49	1.07e-03	-0.01	-3.49e-03	-9.06e-03	-6.80e-03
		3	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		17	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
9	4	2	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		3	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		17	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
9	5	2	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		3	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		17	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
9	6	2	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		3	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		17	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
9	7	2	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		3	21.73	33.26	-0.70	4.92	27.65	12.62	-0.05	-0.35	-0.34	-0.05	-0.03
		18	21.43	33.15	0.70	5.06	28.80	-11.06	0.31	0.04	0.29	0.06	0.07
		17	20.65	32.11	1.03	4.81	28.34	10.15	0.29	0.04	0.28	0.06	-0.07
		2	22.37	33.78	-1.56	4.97	27.25	-13.72	-0.07	-0.34	-0.33	-0.08	0.04
9	8	3	5.09	0.88	-6.10	-0.63	-4.60	-2.87	0.24	-0.19	0.12	-0.07	-0.20
		18	3.42	-0.11	-4.96	-0.80	-4.27	1.69	-0.02	-0.36	-0.09	-0.29	-0.14
		17	7.06	2.04	-8.24	-0.48	-5.73	-4.42	0.66	0.22	0.22	0.66	0.02
		2	3.58	-3.00	-5.54	-3.10	-5.44	-0.49	0.22	-0.07	-0.04	0.19	0.09
9	9	3	23.77	36.36	-0.80	5.37	30.19	13.83	-0.06	-0.38	-0.37	-0.06	-0.04
		18	23.38	36.17	0.79	5.52	31.44	-12.04	0.34	0.05	0.32	0.07	0.08
		17	22.59	35.11	1.12	5.26	30.98	11.11	0.32	0.04	0.30	0.06	-0.07
		2	24.42	36.88	-1.67	5.43	29.78	-14.95	-0.08	-0.37	-0.36	-0.09	0.04
9	10	3	3.13	0.79	-3.02	-0.18	-2.06	-1.66	0.22	-0.21	0.08	-0.07	-0.20
		18	1.61	-0.02	-1.94	-0.34	-1.62	0.71	-3.40e-03	-0.35	-0.07	-0.28	-0.13
		17	5.17	2.22	-5.34	-0.03	-3.09	-3.46	0.67	0.24	0.24	0.67	9.17e-03
		2	3.12	-1.05	-4.50	-2.64	-2.91	-1.72	0.22	-0.10	-0.07	0.18	0.10
9	11	3	21.73	33.26	-0.70	4.92	27.64	12.62	-0.05	-0.35	-0.34	-0.05	-0.03
		18	21.43	33.14	0.70	5.05	28.79	-11.06	0.31	0.04	0.29	0.06	0.07
		17	20.65	32.10	1.03	4.80	28.33	10.15	0.29	0.04	0.28	0.06	-0.07
		2	22.37	33.77	-1.56	4.97	27.24	-13.71	-0.07	-0.34	-0.33	-0.08	0.04
9	12	3	5.09	0.88	-6.10	-0.62	-4.59	-2.87	0.24	-0.19	0.12	-0.07	-0.20
		18	3.42	-0.11	-4.95	-0.80	-4.26	1.69	-0.02	-0.36	-0.09	-0.29	-0.14
		17	7.06	2.04	-8.24	-0.48	-5.72	-4.42	0.66	0.22	0.22	0.66	0.02
		2	3.58	-3.00	-5.53	-3.09	-5.44	-0.49	0.22	-0.07	-0.04	0.19	0.09
9	13	3	23.77	36.36	-0.81	5.36	30.18	13.83	-0.06	-0.38	-0.37	-0.06	-0.04
		18	23.37	36.16	0.78	5.51	31.43	-12.04	0.34	0.05	0.32	0.07	0.08
		17	22.58	35.11	1.12	5.26	30.97	11.11	0.32	0.04	0.30	0.06	-0.07
		2	24.41	36.88	-1.68	5.42	29.77	-14.94	-0.08	-0.37	-0.36	-0.09	0.04
9	14	3	3.13	0.79	-3.02	-0.17	-2.05	-1.66	0.22	-0.21	0.09	-0.07	-0.20

	18	1.61	-0.02	-1.93	-0.34	-1.62	0.71	-2.77e-03	-0.35	-0.07	-0.28	-0.13	
	17	5.16	2.23	-5.33	-0.03	-3.08	-3.46	0.67	0.24	0.24	0.67	9.17e-03	
	2	3.12	-1.05	-4.49	-2.64	-2.90	-1.72	0.22	-0.10	-0.07	0.18	0.10	
9	15	3	21.73	33.26	-0.70	4.92	27.65	12.62	-0.05	-0.35	-0.34	-0.05	-0.03
	18	21.43	33.15	0.70	5.06	28.80	-11.06	0.31	0.04	0.29	0.06	0.07	
	17	20.65	32.11	1.03	4.81	28.34	10.15	0.29	0.04	0.28	0.06	-0.07	
	2	22.37	33.78	-1.56	4.97	27.25	-13.72	-0.07	-0.34	-0.33	-0.08	0.04	
9	16	3	5.09	0.88	-6.10	-0.63	-4.60	-2.87	0.24	-0.19	0.12	-0.07	-0.20
	18	3.42	-0.11	-4.96	-0.80	-4.27	1.69	-0.02	-0.36	-0.09	-0.29	-0.14	
	17	7.06	2.04	-8.24	-0.48	-5.73	-4.42	0.66	0.22	0.22	0.66	0.02	
	2	3.58	-3.00	-5.54	-3.10	-5.44	-0.49	0.22	-0.07	-0.04	0.19	0.09	
9	17	3	23.77	36.36	-0.80	5.37	30.19	13.83	-0.06	-0.38	-0.37	-0.06	-0.04
	18	23.38	36.17	0.79	5.52	31.44	-12.04	0.34	0.05	0.32	0.07	0.08	
	17	22.59	35.11	1.12	5.26	30.98	11.11	0.32	0.04	0.30	0.06	-0.07	
	2	24.42	36.88	-1.67	5.43	29.78	-14.95	-0.08	-0.37	-0.36	-0.09	0.04	
9	18	3	3.13	0.79	-3.02	-0.18	-2.06	-1.66	0.22	-0.21	0.08	-0.07	-0.20
	18	1.61	-0.02	-1.94	-0.34	-1.62	0.71	-3.41e-03	-0.35	-0.07	-0.28	-0.13	
	17	5.17	2.22	-5.34	-0.03	-3.09	-3.46	0.67	0.24	0.24	0.67	9.17e-03	
	2	3.12	-1.05	-4.50	-2.64	-2.91	-1.72	0.22	-0.10	-0.07	0.18	0.10	
9	19	3	21.73	33.26	-0.70	4.92	27.64	12.62	-0.05	-0.35	-0.34	-0.05	-0.03
	18	21.43	33.14	0.70	5.05	28.79	-11.06	0.31	0.04	0.29	0.06	0.07	
	17	20.65	32.10	1.03	4.80	28.33	10.15	0.29	0.04	0.28	0.06	-0.07	
	2	22.37	33.77	-1.56	4.97	27.24	-13.71	-0.07	-0.34	-0.33	-0.08	0.04	
9	20	3	5.09	0.88	-6.10	-0.62	-4.59	-2.87	0.24	-0.19	0.12	-0.07	-0.20
	18	3.42	-0.11	-4.95	-0.80	-4.26	1.69	-0.02	-0.36	-0.09	-0.29	-0.14	
	17	7.06	2.04	-8.24	-0.48	-5.72	-4.42	0.66	0.22	0.22	0.66	0.02	
	2	3.58	-3.00	-5.53	-3.09	-5.44	-0.49	0.22	-0.07	-0.04	0.19	0.09	
9	21	3	23.77	36.36	-0.81	5.36	30.18	13.83	-0.06	-0.38	-0.37	-0.06	-0.04
	18	23.37	36.16	0.78	5.51	31.43	-12.04	0.34	0.05	0.32	0.07	0.08	
	17	22.58	35.11	1.12	5.26	30.97	11.11	0.32	0.04	0.30	0.06	-0.07	
	2	24.41	36.88	-1.68	5.42	29.77	-14.94	-0.08	-0.37	-0.36	-0.09	0.04	
9	22	3	3.13	0.79	-3.02	-0.17	-2.05	-1.66	0.22	-0.21	0.09	-0.07	-0.20
	18	1.61	-0.02	-1.93	-0.34	-1.62	0.71	-2.78e-03	-0.35	-0.07	-0.28	-0.13	
	17	5.16	2.23	-5.33	-0.03	-3.08	-3.46	0.67	0.24	0.24	0.67	9.17e-03	
	2	3.12	-1.05	-4.49	-2.64	-2.90	-1.72	0.22	-0.10	-0.07	0.18	0.10	
9	23	3	84.04	128.10	-3.98	18.68	105.44	49.80	-0.21	-1.34	-1.32	-0.23	-0.15
	18	81.00	125.59	3.38	19.18	109.79	-41.00	1.22	0.18	1.14	0.26	0.28	
	17	79.95	124.12	3.70	18.69	109.13	39.75	1.14	0.13	1.07	0.21	-0.26	
	2	85.02	128.83	-5.08	18.93	104.82	-51.36	-0.26	-1.29	-1.26	-0.28	0.16	
9	24	3	5.54	1.22	-3.08	0.20	-2.06	-1.83	0.69	-0.76	0.21	-0.27	-0.68
	18	3.99	1.11	-1.89	-0.34	-0.44	1.50	0.04	-1.10	-0.15	-0.92	-0.42	
	17	12.58	7.55	-10.90	1.07	-4.42	-8.81	2.23	0.87	0.87	2.23	8.40e-03	
	2	10.55	1.46	-13.57	-7.98	-4.13	-7.26	0.73	-0.39	-0.27	0.61	0.35	
9	25	3	84.65	129.03	-4.01	18.82	106.20	50.16	-0.21	-1.35	-1.33	-0.23	-0.15
	18	81.58	126.49	3.41	19.32	110.58	-41.30	1.23	0.18	1.15	0.26	0.28	
	17	80.53	125.02	3.73	18.83	109.92	40.04	1.15	0.14	1.08	0.21	-0.26	
	2	85.64	129.76	-5.11	19.06	105.58	-51.73	-0.26	-1.30	-1.27	-0.28	0.16	
9	26	3	5.00	1.20	-2.16	0.34	-1.30	-1.46	0.69	-0.76	0.20	-0.27	-0.68
	18	3.97	1.32	-1.16	-0.20	0.36	1.21	0.04	-1.10	-0.14	-0.92	-0.42	
	17	12.02	7.64	-10.07	1.20	-3.63	-8.52	2.23	0.87	0.87	2.23	6.47e-03	
	2	10.83	2.35	-13.56	-7.84	-3.37	-7.63	0.73	-0.40	-0.28	0.61	0.35	
9	27	3	84.04	128.10	-3.98	18.68	105.44	49.80	-0.21	-1.34	-1.32	-0.23	-0.15
	18	81.00	125.59	3.38	19.18	109.79	-41.00	1.22	0.18	1.14	0.26	0.28	
	17	79.95	124.12	3.70	18.69	109.13	39.75	1.14	0.13	1.07	0.21	-0.26	
	2	85.02	128.83	-5.08	18.93	104.82	-51.36	-0.26	-1.29	-1.26	-0.28	0.16	
9	28	3	5.54	1.22	-3.08	0.20	-2.06	-1.83	0.69	-0.76	0.21	-0.27	-0.68
	18	3.99	1.11	-1.89	-0.34	-0.44	1.50	0.04	-1.10	-0.15	-0.92	-0.42	
	17	12.58	7.55	-10.90	1.07	-4.42	-8.81	2.23	0.87	0.87	2.23	8.40e-03	
	2	10.55	1.46	-13.57	-7.98	-4.13	-7.26	0.73	-0.39	-0.27	0.61	0.35	
9	29	3	84.65	129.03	-4.01	18.82	106.20	50.16	-0.21	-1.35	-1.33	-0.23	-0.15
	18	81.58	126.49	3.41	19.32	110.58	-41.30	1.23	0.18	1.15	0.26	0.28	
	17	80.53	125.02	3.73	18.83	109.92	40.04	1.15	0.14	1.08	0.21	-0.26	
	2	85.64	129.76	-5.11	19.06	105.58	-51.73	-0.26	-1.30	-1.27	-0.28	0.16	
9	30	3	5.00	1.20	-2.16	0.34	-1.30	-1.46	0.69	-0.76	0.20	-0.27	-0.68
	18	3.97	1.32	-1.16	-0.20	0.36	1.21	0.04	-1.10	-0.14	-0.92	-0.42	
	17	12.02	7.64	-10.07	1.20	-3.63	-8.52	2.23	0.87	0.87	2.23	6.47e-03	
	2	10.83	2.35	-13.56	-7.84	-3.37	-7.63	0.73	-0.40	-0.28	0.61	0.35	
9	31	3	84.04	128.09	-3.99	18.67	105.42	49.80	-0.21	-1.34	-1.32	-0.23	-0.15
	18	80.98	125.56	3.37	19.16	109.76	-41.00	1.22	0.18	1.13	0.26	0.28	
	17	79.94	124.10	3.69	18.69	109.10	39.76	1.14	0.13	1.07	0.21	-0.26	
	2	85.01	128.81	-5.09	18.91	104.81	-51.36	-0.26	-1.29	-1.26	-0.28	0.16	
9	32	3	5.55	1.24	-3.07	0.21	-2.04	-1.83	0.69	-0.75	0.21	-0.27	-0.68
	18	3.99	1.13	-1.86	-0.32	-0.41	1.50	0.04	-1.10	-0.14	-0.92	-0.42	
	17	12.57	7.57	-10.89	1.07	-4.39	-8.81	2.23	0.87	0.87	2.23	8.40e-03	
	2	10.56	1.48	-13.55	-7.96	-4.12	-7.27	0.73	-0.39	-0.27	0.61	0.35	
9	33	3	84.65	129.01	-4.03	18.81	106.18	50.16	-0.21	-1.35	-1.33	-0.23	-0.15
	18	81.56	126.46	3.39	19.30	110.55	-41.29	1.23	0.18	1.14	0.26	0.28	

		17	80.52	125.00	3.72	18.82	109.89	40.05	1.15	0.13	1.07	0.21	-0.26
		2	85.63	129.74	-5.13	19.05	105.57	-51.73	-0.26	-1.30	-1.27	-0.28	0.16
9	34	3	5.01	1.21	-2.15	0.35	-1.28	-1.47	0.69	-0.76	0.20	-0.27	-0.68
		18	3.97	1.34	-1.13	-0.18	0.39	1.20	0.04	-1.10	-0.14	-0.92	-0.42
		17	12.02	7.66	-10.05	1.21	-3.60	-8.52	2.23	0.88	0.88	2.23	6.47e-03
		2	10.84	2.37	-13.55	-7.82	-3.36	-7.64	0.73	-0.40	-0.28	0.61	0.35
9	35	3	84.04	128.09	-3.99	18.67	105.42	49.80	-0.21	-1.34	-1.32	-0.23	-0.15
		18	80.98	125.56	3.37	19.16	109.76	-41.00	1.22	0.18	1.13	0.26	0.28
		17	79.94	124.10	3.69	18.69	109.10	39.76	1.14	0.13	1.07	0.21	-0.26
		2	85.01	128.81	-5.09	18.91	104.81	-51.36	-0.26	-1.29	-1.26	-0.28	0.16
9	36	3	5.55	1.24	-3.07	0.21	-2.04	-1.83	0.69	-0.75	0.21	-0.27	-0.68
		18	3.99	1.13	-1.86	-0.32	-0.41	1.50	0.04	-1.10	-0.14	-0.92	-0.42
		17	12.57	7.57	-10.89	1.07	-4.39	-8.81	2.23	0.87	0.87	2.23	8.40e-03
		2	10.56	1.48	-13.55	-7.96	-4.12	-7.27	0.73	-0.39	-0.27	0.61	0.35
9	37	3	84.65	129.01	-4.03	18.81	106.18	50.16	-0.21	-1.35	-1.33	-0.23	-0.15
		18	81.56	126.46	3.39	19.30	110.55	-41.29	1.23	0.18	1.14	0.26	0.28
		17	80.52	125.00	3.72	18.82	109.89	40.05	1.15	0.13	1.07	0.21	-0.26
		2	85.63	129.74	-5.13	19.05	105.57	-51.73	-0.26	-1.30	-1.27	-0.28	0.16
9	38	3	5.01	1.21	-2.15	0.35	-1.28	-1.47	0.69	-0.76	0.20	-0.27	-0.68
		18	3.97	1.34	-1.13	-0.18	0.39	1.20	0.04	-1.10	-0.14	-0.92	-0.42
		17	12.02	7.66	-10.05	1.21	-3.60	-8.52	2.23	0.88	0.88	2.23	6.47e-03
		2	10.84	2.37	-13.55	-7.82	-3.36	-7.64	0.73	-0.40	-0.28	0.61	0.35
9	39	3	0.64	0.62	-0.49	0.04	0.09	-0.55	0.01	-2.88e-04	3.91e-03	7.19e-03	5.60e-03
		18	0.52	0.52	-0.37	0.05	0.10	-0.44	-2.44e-03	-0.01	-8.52e-03	-5.03e-03	-3.96e-03
		17	0.43	0.15	-0.55	-0.11	-0.29	-0.34	3.29e-03	-6.08e-03	-3.78e-03	9.93e-04	4.03e-03
		2	0.48	0.29	-0.50	0.03	-0.24	-0.37	4.26e-04	-0.01	-3.27e-03	-7.09e-03	-5.27e-03
9	40	3	0.66	0.63	-0.50	0.04	0.09	-0.57	0.01	5.53e-04	5.16e-03	7.45e-03	5.64e-03
		18	0.53	0.54	-0.38	0.05	0.11	-0.46	-1.83e-03	-0.01	-7.26e-03	-4.74e-03	-3.97e-03
		17	0.44	0.17	-0.56	-0.11	-0.28	-0.35	3.82e-03	-5.19e-03	-2.62e-03	1.26e-03	4.07e-03
		2	0.49	0.30	-0.51	0.03	-0.24	-0.39	1.23e-03	-0.01	-2.11e-03	-6.86e-03	-5.20e-03
9	41	3	0.64	0.62	-0.49	0.04	0.09	-0.55	0.01	-2.68e-04	3.94e-03	7.20e-03	5.61e-03
		18	0.52	0.52	-0.37	0.05	0.10	-0.44	-2.42e-03	-0.01	-8.48e-03	-5.01e-03	-3.96e-03
		17	0.43	0.15	-0.55	-0.11	-0.29	-0.34	3.31e-03	-6.06e-03	-3.76e-03	1.00e-03	4.03e-03
		2	0.48	0.29	-0.50	0.03	-0.24	-0.37	4.28e-04	-0.01	-3.25e-03	-7.09e-03	-5.26e-03
9	42	3	0.66	0.63	-0.50	0.04	0.09	-0.57	0.01	5.72e-04	5.19e-03	7.46e-03	5.64e-03
		18	0.53	0.54	-0.38	0.05	0.11	-0.46	-1.80e-03	-0.01	-7.23e-03	-4.72e-03	-3.98e-03
		17	0.44	0.17	-0.56	-0.11	-0.28	-0.35	3.83e-03	-5.17e-03	-2.60e-03	1.27e-03	4.06e-03
		2	0.49	0.30	-0.51	0.03	-0.24	-0.39	1.23e-03	-0.01	-2.10e-03	-6.85e-03	-5.19e-03
9	43	3	0.64	0.62	-0.49	0.04	0.09	-0.55	0.01	-4.79e-04	3.64e-03	7.13e-03	5.60e-03
		18	0.52	0.52	-0.37	0.05	0.10	-0.44	-2.57e-03	-0.01	-8.79e-03	-5.09e-03	-3.96e-03
		17	0.43	0.15	-0.55	-0.11	-0.29	-0.34	3.20e-03	-6.27e-03	-4.01e-03	9.37e-04	4.03e-03
		2	0.47	0.29	-0.50	0.03	-0.24	-0.37	2.63e-04	-0.01	-3.49e-03	-7.15e-03	-5.27e-03
9	44	3	0.66	0.63	-0.50	0.04	0.09	-0.57	0.01	7.33e-04	5.43e-03	7.51e-03	5.64e-03
		18	0.53	0.54	-0.38	0.05	0.12	-0.46	-1.69e-03	-9.97e-03	-6.99e-03	-4.67e-03	-3.98e-03
		17	0.44	0.17	-0.55	-0.11	-0.27	-0.35	3.93e-03	-5.01e-03	-2.39e-03	1.31e-03	4.07e-03
		2	0.49	0.31	-0.51	0.03	-0.23	-0.39	1.40e-03	-0.01	-1.89e-03	-6.81e-03	-5.19e-03
9	45	3	0.64	0.62	-0.49	0.04	0.09	-0.55	0.01	-4.59e-04	3.67e-03	7.14e-03	5.60e-03
		18	0.52	0.52	-0.37	0.05	0.10	-0.44	-2.54e-03	-0.01	-8.75e-03	-5.07e-03	-3.96e-03
		17	0.43	0.15	-0.55	-0.11	-0.29	-0.34	3.21e-03	-6.25e-03	-3.99e-03	9.48e-04	4.03e-03
		2	0.47	0.29	-0.50	0.03	-0.24	-0.37	2.65e-04	-0.01	-3.47e-03	-7.14e-03	-5.26e-03
9	46	3	0.66	0.63	-0.50	0.04	0.09	-0.57	0.01	7.52e-04	5.46e-03	7.52e-03	5.65e-03
		18	0.53	0.54	-0.38	0.05	0.12	-0.46	-1.66e-03	-9.95e-03	-6.96e-03	-4.65e-03	-3.98e-03
		17	0.44	0.17	-0.55	-0.11	-0.27	-0.35	3.94e-03	-4.99e-03	-2.38e-03	1.32e-03	4.07e-03
		2	0.49	0.31	-0.51	0.03	-0.23	-0.39	1.40e-03	-0.01	-1.87e-03	-6.80e-03	-5.18e-03
9	47	3	0.64	0.62	-0.49	0.04	0.09	-0.55	0.01	-2.94e-04	3.91e-03	7.19e-03	5.61e-03
		18	0.52	0.52	-0.37	0.05	0.10	-0.44	-2.44e-03	-0.01	-8.52e-03	-5.03e-03	-3.96e-03
		17	0.43	0.15	-0.55	-0.11	-0.29	-0.34	3.29e-03	-6.08e-03	-3.78e-03	9.94e-04	4.03e-03
		2	0.48	0.29	-0.50	0.03	-0.24	-0.37	4.15e-04	-0.01	-3.27e-03	-7.09e-03	-5.26e-03
9	48	3	0.66	0.63	-0.50	0.04	0.09	-0.57	0.01	5.47e-04	5.16e-03	7.45e-03	5.64e-03
		18	0.53	0.54	-0.38	0.05	0.11	-0.46	-1.83e-03	-0.01	-7.26e-03	-4.73e-03	-3.98e-03
		17	0.44	0.17	-0.56	-0.11	-0.28	-0.35	3.82e-03	-5.19e-03	-2.62e-03	1.26e-03	4.07e-03
		2	0.49	0.30	-0.51	0.03	-0.24	-0.39	1.22e-03	-0.01	-2.11e-03	-6.86e-03	-5.19e-03
9	49	3	0.64	0.62	-0.49	0.04	0.09	-0.55	0.01	-2.62e-04	3.94e-03	7.20e-03	5.60e-03
		18	0.52	0.52	-0.37	0.05	0.10	-0.44	-2.42e-03	-0.01	-8.48e-03	-5.01e-03	-3.96e-03
		17	0.43	0.15	-0.55	-0.11	-0.29	-0.34	3.31e-03	-6.06e-03	-3.76e-03	1.00e-03	4.03e-03
		2	0.48	0.29	-0.50	0.03	-0.24	-0.37	4.39e-04	-0.01	-3.25e-03	-7.09e-03	-5.27e-03
9	50	3	0.66	0.63	-0.50	0.04	0.09	-0.57	0.01	5.78e-04	5.19e-03	7.46e-03	5.64e-03
		18	0.53	0.54	-0.38	0.05	0.11	-0.46	-1.80e-03	-0.01	-7.23e-03	-4.72e-03	-3.97e-03
		17	0.44	0.17	-0.56	-0.11	-0.28	-0.35	3.83e-03	-5.17e-03	-2.60e-03	1.26e-03	4.07e-03
		2	0.49	0.30	-0.51	0.03	-0.24	-0.39	1.24e-03	-0.01	-2.10e-03	-6.85e-03	-5.20e-03
9	51	3	0.64	0.62	-0.49	0.04	0.09	-0.55	0.01	-4.84e-04	3.64e-03	7.13e-03	5.60e-03
		18	0.52	0.52	-0.37	0.05	0.10	-0.44	-2.57e-03	-0.01	-8.79e-03	-5.09e-03	-3.96e-03
		17	0.43	0.15	-0.55	-0.11	-0.29	-0.34	3.20e-03	-6.26e-03	-4.01e-03	9.38e-04	4.03e-03
		2	0.47	0.29	-0.50	0.03	-0.24	-0.37	2.52e-04	-0.01	-3.49e-03	-7.14e-03	-5.26e-03
9	52	3	0.66	0.63	-0.50	0.04	0.09	-0.57	0.01	7.27e-04	5.43e-03	7.51e-03	5.65e-03
		18	0.53	0.54	-0.38	0.05	0.12	-0.46	-1.69e-03	-9.97e-03	-6.99e-03	-4.67e-03	-3.98e-03
		17	0.44	0.17	-0.55	-0.11	-0.27	-0.35	3.93e-03	-5.01e-03	-2.39e-03	1.31e-03	4.07e-03

		2	0.49	0.31	-0.51	0.03	-0.23	-0.39	1.39e-03	-0.01	-1.89e-03	-6.80e-03	-5.18e-03
9	53	3	0.64	0.62	-0.49	0.04	0.09	-0.55	0.01	-4.53e-04	3.67e-03	7.14e-03	5.60e-03
		18	0.52	0.52	-0.37	0.05	0.10	-0.44	-2.55e-03	-0.01	-8.75e-03	-5.07e-03	-3.96e-03
		17	0.43	0.15	-0.55	-0.11	-0.29	-0.34	3.21e-03	-6.25e-03	-3.99e-03	9.46e-04	4.03e-03
		2	0.47	0.29	-0.50	0.03	-0.24	-0.37	2.76e-04	-0.01	-3.47e-03	-7.14e-03	-5.27e-03
9	54	3	0.66	0.63	-0.50	0.04	0.09	-0.57	0.01	7.58e-04	5.46e-03	7.52e-03	5.64e-03
		18	0.53	0.54	-0.38	0.05	0.12	-0.46	-1.66e-03	-9.95e-03	-6.96e-03	-4.65e-03	-3.98e-03
		17	0.44	0.17	-0.55	-0.11	-0.27	-0.35	3.94e-03	-5.00e-03	-2.38e-03	1.32e-03	4.07e-03
		2	0.49	0.31	-0.51	0.03	-0.23	-0.39	1.41e-03	-0.01	-1.87e-03	-6.80e-03	-5.19e-03
9	55	3	0.63	0.60	-0.47	0.05	0.09	-0.54	0.01	-1.31e-03	2.46e-03	6.89e-03	5.56e-03
		18	0.50	0.50	-0.36	0.05	0.09	-0.43	-3.09e-03	-0.01	-9.97e-03	-5.36e-03	-3.95e-03
		17	0.42	0.13	-0.55	-0.12	-0.30	-0.32	2.73e-03	-7.16e-03	-5.12e-03	6.90e-04	4.00e-03
		2	0.46	0.28	-0.49	0.03	-0.24	-0.36	-4.64e-04	-0.01	-4.60e-03	-7.37e-03	-5.35e-03
9	56	3	0.67	0.65	-0.52	0.03	0.09	-0.58	0.01	1.49e-03	6.63e-03	7.76e-03	5.68e-03
		18	0.55	0.56	-0.39	0.05	0.13	-0.47	-1.04e-03	-9.13e-03	-5.78e-03	-4.39e-03	-3.99e-03
		17	0.45	0.19	-0.56	-0.11	-0.26	-0.37	4.49e-03	-4.19e-03	-1.27e-03	1.57e-03	4.10e-03
		2	0.50	0.32	-0.53	0.02	-0.23	-0.40	2.21e-03	-9.56e-03	-7.63e-04	-6.58e-03	-5.11e-03
9	57	3	0.63	0.60	-0.47	0.05	0.09	-0.54	0.01	-1.31e-03	2.47e-03	6.89e-03	5.56e-03
		18	0.50	0.50	-0.36	0.05	0.09	-0.43	-3.08e-03	-0.01	-9.96e-03	-5.36e-03	-3.95e-03
		17	0.42	0.13	-0.55	-0.12	-0.30	-0.32	2.73e-03	-7.15e-03	-5.12e-03	6.93e-04	4.00e-03
		2	0.46	0.28	-0.49	0.03	-0.24	-0.36	-4.63e-04	-0.01	-4.60e-03	-7.36e-03	-5.34e-03
9	58	3	0.67	0.65	-0.52	0.03	0.09	-0.58	0.01	1.49e-03	6.64e-03	7.76e-03	5.68e-03
		18	0.55	0.56	-0.39	0.05	0.13	-0.47	-1.03e-03	-9.13e-03	-5.77e-03	-4.38e-03	-3.99e-03
		17	0.45	0.19	-0.56	-0.11	-0.26	-0.37	4.49e-03	-4.19e-03	-1.26e-03	1.57e-03	4.10e-03
		2	0.50	0.32	-0.53	0.02	-0.23	-0.40	2.21e-03	-9.55e-03	-7.58e-04	-6.58e-03	-5.11e-03
9	59	3	0.63	0.60	-0.47	0.05	0.09	-0.54	0.01	-1.31e-03	2.46e-03	6.89e-03	5.56e-03
		18	0.50	0.50	-0.36	0.05	0.09	-0.43	-3.09e-03	-0.01	-9.97e-03	-5.36e-03	-3.95e-03
		17	0.42	0.13	-0.55	-0.12	-0.30	-0.32	2.73e-03	-7.16e-03	-5.12e-03	6.91e-04	4.00e-03
		2	0.46	0.28	-0.49	0.03	-0.24	-0.36	-4.67e-04	-0.01	-4.60e-03	-7.37e-03	-5.34e-03
9	60	3	0.67	0.65	-0.52	0.03	0.09	-0.58	0.01	1.48e-03	6.63e-03	7.76e-03	5.68e-03
		18	0.55	0.56	-0.39	0.05	0.13	-0.47	-1.04e-03	-9.13e-03	-5.78e-03	-4.39e-03	-3.99e-03
		17	0.45	0.19	-0.56	-0.11	-0.26	-0.37	4.49e-03	-4.19e-03	-1.27e-03	1.57e-03	4.10e-03
		2	0.50	0.32	-0.53	0.02	-0.23	-0.40	2.21e-03	-9.55e-03	-7.63e-04	-6.58e-03	-5.11e-03
9	61	3	0.63	0.60	-0.47	0.05	0.09	-0.54	0.01	-1.30e-03	2.47e-03	6.89e-03	5.56e-03
		18	0.50	0.50	-0.36	0.05	0.09	-0.43	-3.09e-03	-0.01	-9.96e-03	-5.36e-03	-3.95e-03
		17	0.42	0.13	-0.55	-0.12	-0.30	-0.32	2.73e-03	-7.15e-03	-5.12e-03	6.93e-04	4.00e-03
		2	0.46	0.28	-0.49	0.03	-0.24	-0.36	-4.60e-04	-0.01	-4.60e-03	-7.36e-03	-5.35e-03
9	62	3	0.67	0.65	-0.52	0.03	0.09	-0.58	0.01	1.49e-03	6.64e-03	7.76e-03	5.68e-03
		18	0.55	0.56	-0.39	0.05	0.13	-0.47	-1.03e-03	-9.13e-03	-5.77e-03	-4.38e-03	-3.99e-03
		17	0.45	0.19	-0.56	-0.11	-0.26	-0.37	4.50e-03	-4.19e-03	-1.26e-03	1.57e-03	4.10e-03
		2	0.50	0.32	-0.53	0.02	-0.23	-0.40	2.21e-03	-9.55e-03	-7.58e-04	-6.58e-03	-5.11e-03
9	63	3	0.62	0.60	-0.47	0.04	0.08	-0.54	0.01	-1.99e-03	1.56e-03	6.68e-03	5.55e-03
		18	0.50	0.49	-0.37	0.05	0.08	-0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	-3.94e-03
		17	0.42	0.12	-0.55	-0.12	-0.31	-0.32	2.43e-03	-7.80e-03	-5.88e-03	5.03e-04	4.00e-03
		2	0.46	0.27	-0.49	0.03	-0.25	-0.36	-9.74e-04	-0.01	-5.36e-03	-7.54e-03	-5.37e-03
9	64	3	0.68	0.65	-0.51	0.04	0.10	-0.58	0.01	2.04e-03	7.53e-03	7.96e-03	5.70e-03
		18	0.55	0.57	-0.38	0.05	0.14	-0.47	-5.16e-04	-8.54e-03	-4.88e-03	-4.18e-03	-4.00e-03
		17	0.45	0.20	-0.56	-0.11	-0.25	-0.37	4.88e-03	-3.63e-03	-5.07e-04	1.75e-03	4.10e-03
		2	0.50	0.33	-0.52	0.03	-0.23	-0.40	2.81e-03	-9.22e-03	-7.71e-06	-6.41e-03	-5.09e-03
9	65	3	0.62	0.60	-0.47	0.04	0.08	-0.54	0.01	-1.98e-03	1.57e-03	6.69e-03	5.55e-03
		18	0.50	0.49	-0.37	0.05	0.08	-0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	-3.94e-03
		17	0.42	0.12	-0.55	-0.12	-0.31	-0.32	2.43e-03	-7.80e-03	-5.87e-03	5.06e-04	4.00e-03
		2	0.46	0.27	-0.49	0.03	-0.25	-0.36	-9.74e-04	-0.01	-5.35e-03	-7.54e-03	-5.36e-03
9	66	3	0.68	0.65	-0.51	0.04	0.10	-0.58	0.01	2.05e-03	7.54e-03	7.96e-03	5.70e-03
		18	0.55	0.57	-0.38	0.05	0.14	-0.47	-5.07e-04	-8.53e-03	-4.87e-03	-4.17e-03	-4.00e-03
		17	0.45	0.20	-0.56	-0.11	-0.25	-0.37	4.88e-03	-3.63e-03	-5.02e-04	1.76e-03	4.10e-03
		2	0.50	0.33	-0.52	0.03	-0.23	-0.40	2.81e-03	-9.22e-03	-2.24e-06	-6.41e-03	-5.09e-03
9	67	3	0.62	0.60	-0.47	0.04	0.08	-0.54	0.01	-1.99e-03	1.56e-03	6.69e-03	5.55e-03
		18	0.50	0.49	-0.37	0.05	0.08	-0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	-3.94e-03
		17	0.42	0.12	-0.55	-0.12	-0.31	-0.32	2.43e-03	-7.80e-03	-5.88e-03	5.03e-04	4.00e-03
		2	0.46	0.27	-0.49	0.03	-0.25	-0.36	-9.78e-04	-0.01	-5.36e-03	-7.54e-03	-5.36e-03
9	68	3	0.68	0.65	-0.51	0.04	0.10	-0.58	0.01	2.04e-03	7.53e-03	7.96e-03	5.70e-03
		18	0.55	0.57	-0.38	0.05	0.14	-0.47	-5.15e-04	-8.54e-03	-4.88e-03	-4.18e-03	-4.00e-03
		17	0.45	0.20	-0.56	-0.11	-0.25	-0.37	4.88e-03	-3.63e-03	-5.08e-04	1.75e-03	4.10e-03
		2	0.50	0.33	-0.52	0.03	-0.23	-0.40	2.80e-03	-9.22e-03	-7.75e-06	-6.41e-03	-5.09e-03
9	69	3	0.62	0.60	-0.47	0.04	0.08	-0.54	0.01	-1.98e-03	1.57e-03	6.69e-03	5.55e-03
		18	0.50	0.49	-0.37	0.05	0.08	-0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	-3.94e-03
		17	0.42	0.12	-0.55	-0.12	-0.31	-0.32	2.43e-03	-7.80e-03	-5.87e-03	5.06e-04	4.00e-03
		2	0.46	0.27	-0.49	0.03	-0.25	-0.36	-9.71e-04	-0.01	-5.35e-03	-7.54e-03	-5.37e-03
9	70	3	0.68	0.65	-0.51	0.04	0.10	-0.58	0.01	2.05e-03	7.54e-03	7.96e-03	5.70e-03
		18	0.55	0.57	-0.38	0.05	0.14	-0.47	-5.08e-04	-8.53e-03	-4.87e-03	-4.17e-03	-4.00e-03
		17	0.45	0.20	-0.56	-0.11	-0.25	-0.37	4.88e-03	-3.63e-03	-5.02e-04	1.76e-03	4.10e-03
		2	0.50	0.33	-0.52	0.03	-0.23	-0.40	2.81e-03	-9.22e-03	-2.20e-06	-6.41e-03	-5.09e-03
9	71	3	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		17	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		2	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03

9	72	3	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		17	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		2	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
9	73	3	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		17	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		2	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
9	74	3	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		17	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		2	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
9	75	3	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		17	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		2	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
9	76	3	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		17	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		2	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
10	1	3	0.84	0.64	-0.81	-0.05	-0.12	0.73	0.02	1.91e-04	5.92e-03	9.52e-03	7.31e-03
		18	0.68	0.49	-0.69	-0.06	-0.14	0.59	-2.77e-03	-0.01	-0.01	-6.33e-03	-5.16e-03
		19	0.57	0.72	-0.21	0.15	0.37	0.45	4.63e-03	-7.31e-03	-4.15e-03	1.47e-03	5.26e-03
		5	0.63	0.66	-0.39	-0.04	0.31	0.49	1.07e-03	-0.01	-3.48e-03	-9.06e-03	-6.80e-03
10	2	3	0.84	0.64	-0.81	-0.05	-0.12	0.73	0.02	1.91e-04	5.92e-03	9.52e-03	7.31e-03
		18	0.68	0.49	-0.69	-0.06	-0.14	0.59	-2.77e-03	-0.01	-0.01	-6.33e-03	-5.16e-03
		19	0.57	0.72	-0.21	0.15	0.37	0.45	4.63e-03	-7.31e-03	-4.15e-03	1.47e-03	5.26e-03
		5	0.63	0.66	-0.39	-0.04	0.31	0.49	1.07e-03	-0.01	-3.48e-03	-9.06e-03	-6.80e-03
10	3	3	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		19	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		5	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
10	4	3	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		19	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		5	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
10	5	3	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		19	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		5	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
10	6	3	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		19	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		5	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
10	7	3	22.50	33.95	-1.64	4.84	27.47	13.73	0.36	0.06	0.35	0.07	0.05
		18	20.77	32.35	1.19	4.96	28.58	-10.16	-0.05	-0.33	-0.31	-0.07	-0.08
		19	21.37	33.09	0.85	5.03	28.90	10.84	-0.03	-0.30	-0.28	-0.05	0.07
		5	22.03	33.58	-0.94	4.92	27.72	-12.95	0.34	0.06	0.33	0.06	-0.05
10	8	3	3.15	-0.48	-5.05	-1.01	-4.51	-1.47	0.06	-0.03	-0.02	0.04	-0.03
		18	4.31	0.40	-5.69	-0.60	-4.69	2.26	0.20	-9.93e-03	0.01	0.18	-0.06
		19	3.11	-0.22	-4.83	-0.79	-4.26	-1.52	0.10	-0.03	0.08	-6.45e-03	0.05
		5	3.63	0.39	-5.37	-0.78	-4.20	2.32	-6.66e-03	-0.12	-0.12	-7.81e-03	0.01
10	9	3	24.53	37.04	-1.75	5.28	30.01	14.95	0.39	0.07	0.38	0.07	0.05
		18	22.72	35.37	1.28	5.42	31.23	-11.13	-0.05	-0.36	-0.34	-0.08	-0.09
		19	23.31	36.09	0.93	5.49	31.54	11.80	-0.03	-0.33	-0.31	-0.06	0.08
		5	24.08	36.68	-1.06	5.37	30.25	-14.19	0.37	0.06	0.36	0.07	-0.05
10	10	3	1.25	-0.52	-2.02	-0.56	-1.97	-0.26	0.06	2.84e-03	0.02	0.05	-0.02
		18	2.44	0.50	-2.68	-0.14	-2.04	1.28	0.20	-0.04	-0.02	0.17	-0.07
		19	1.24	-0.14	-1.82	-0.34	-1.62	-0.55	0.08	-0.04	0.05	-0.01	0.06
		5	1.60	0.28	-2.27	-0.32	-1.67	1.09	-6.06e-04	-0.09	-0.09	-1.23e-03	7.47e-03
10	11	3	22.50	33.94	-1.65	4.83	27.46	13.74	0.36	0.06	0.35	0.07	0.05
		18	20.77	32.34	1.19	4.95	28.58	-10.15	-0.05	-0.33	-0.31	-0.07	-0.08
		19	21.37	33.08	0.84	5.03	28.89	10.84	-0.03	-0.30	-0.28	-0.05	0.07
		5	22.03	33.57	-0.94	4.91	27.72	-12.95	0.34	0.06	0.33	0.07	-0.05
10	12	3	3.15	-0.47	-5.04	-1.01	-4.50	-1.47	0.05	-0.03	-0.02	0.04	-0.03
		18	4.31	0.41	-5.68	-0.59	-4.68	2.25	0.20	-0.01	9.42e-03	0.18	-0.06
		19	3.11	-0.22	-4.82	-0.79	-4.25	-1.52	0.10	-0.03	0.08	-6.60e-03	0.05
		5	3.63	0.39	-5.36	-0.77	-4.19	2.32	-6.81e-03	-0.12	-0.12	-7.95e-03	0.01
10	13	3	24.53	37.04	-1.75	5.28	30.00	14.95	0.39	0.07	0.38	0.07	0.05
		18	22.71	35.36	1.27	5.41	31.22	-11.13	-0.05	-0.36	-0.33	-0.08	-0.09
		19	23.30	36.09	0.93	5.48	31.53	11.81	-0.03	-0.33	-0.31	-0.06	0.08
		5	24.07	36.67	-1.06	5.37	30.25	-14.18	0.37	0.06	0.36	0.07	-0.05
10	14	3	1.25	-0.51	-2.01	-0.56	-1.96	-0.26	0.06	2.24e-03	0.02	0.05	-0.02
		18	2.44	0.51	-2.67	-0.13	-2.03	1.27	0.20	-0.04	-0.02	0.17	-0.07
		19	1.24	-0.13	-1.82	-0.34	-1.61	-0.55	0.08	-0.04	0.05	-0.01	0.06
		5	1.60	0.29	-2.27	-0.32	-1.66	1.08	-7.52e-04	-0.09	-0.09	-1.37e-03	7.45e-03
10	15	3	22.50	33.95	-1.64	4.84	27.47	13.73	0.36	0.06	0.35	0.07	0.05

	18	20.77	32.35	1.19	4.96	28.58	-10.16	-0.05	-0.33	-0.31	-0.07	-0.08	
	19	21.37	33.09	0.85	5.03	28.90	10.84	-0.03	-0.30	-0.28	-0.05	0.07	
	5	22.03	33.58	-0.94	4.92	27.72	-12.95	0.34	0.06	0.33	0.06	-0.05	
10	16	3	3.15	-0.48	-5.05	-1.01	-4.51	-1.47	0.06	-0.03	-0.02	0.04	-0.03
	18	4.31	0.40	-5.69	-0.60	-4.69	2.26	0.20	-9.93e-03	0.01	0.18	-0.06	
	19	3.11	-0.23	-4.83	-0.79	-4.26	-1.52	0.10	-0.03	0.08	-6.45e-03	0.05	
	5	3.63	0.39	-5.37	-0.78	-4.20	2.32	-6.66e-03	-0.12	-0.12	-7.81e-03	0.01	
10	17	3	24.53	37.04	-1.75	5.28	30.01	14.95	0.39	0.07	0.38	0.07	0.05
	18	22.72	35.37	1.28	5.42	31.23	-11.14	-0.05	-0.36	-0.34	-0.08	-0.09	
	19	23.31	36.09	0.93	5.49	31.54	11.80	-0.03	-0.33	-0.31	-0.06	0.08	
	5	24.08	36.68	-1.06	5.37	30.25	-14.19	0.37	0.06	0.36	0.07	-0.05	
10	18	3	1.25	-0.52	-2.02	-0.56	-1.97	-0.26	0.06	2.86e-03	0.02	0.05	-0.02
	18	2.44	0.50	-2.68	-0.14	-2.04	1.28	0.20	-0.04	-0.02	0.17	-0.07	
	19	1.24	-0.14	-1.82	-0.34	-1.62	-0.55	0.08	-0.04	0.05	-0.01	0.06	
	5	1.60	0.28	-2.27	-0.32	-1.67	1.09	-6.03e-04	-0.09	-0.09	-1.23e-03	7.50e-03	
10	19	3	22.50	33.94	-1.65	4.83	27.46	13.74	0.36	0.06	0.35	0.07	0.05
	18	20.77	32.34	1.19	4.95	28.58	-10.15	-0.05	-0.33	-0.31	-0.07	-0.08	
	19	21.37	33.08	0.84	5.03	28.89	10.84	-0.03	-0.30	-0.28	-0.05	0.07	
	5	22.03	33.57	-0.94	4.91	27.72	-12.95	0.34	0.06	0.33	0.07	-0.05	
10	20	3	3.15	-0.47	-5.04	-1.01	-4.50	-1.47	0.05	-0.03	-0.02	0.04	-0.03
	18	4.31	0.41	-5.68	-0.59	-4.68	2.25	0.20	-0.01	9.42e-03	0.18	-0.06	
	19	3.11	-0.22	-4.82	-0.79	-4.25	-1.52	0.10	-0.03	0.08	-6.60e-03	0.05	
	5	3.63	0.39	-5.36	-0.77	-4.19	2.32	-6.81e-03	-0.12	-0.12	-7.95e-03	0.01	
10	21	3	24.53	37.04	-1.75	5.28	30.00	14.95	0.39	0.07	0.38	0.07	0.05
	18	22.71	35.36	1.27	5.41	31.22	-11.13	-0.05	-0.36	-0.33	-0.08	-0.09	
	19	23.30	36.09	0.93	5.48	31.53	11.81	-0.03	-0.33	-0.31	-0.06	0.08	
	5	24.07	36.67	-1.06	5.37	30.25	-14.18	0.37	0.06	0.36	0.07	-0.05	
10	22	3	1.25	-0.51	-2.01	-0.56	-1.96	-0.26	0.06	2.25e-03	0.02	0.05	-0.02
	18	2.44	0.51	-2.67	-0.13	-2.03	1.27	0.20	-0.04	-0.02	0.17	-0.07	
	19	1.24	-0.13	-1.82	-0.34	-1.61	-0.55	0.08	-0.04	0.05	-0.01	0.06	
	5	1.60	0.29	-2.27	-0.32	-1.66	1.08	-7.49e-04	-0.09	-0.09	-1.37e-03	7.48e-03	
10	23	3	84.81	128.78	-4.93	18.60	105.25	50.91	1.35	0.22	1.33	0.24	0.16
	18	80.34	124.79	3.87	19.08	109.57	-40.10	-0.18	-1.24	-1.15	-0.27	-0.29	
	19	80.67	125.10	3.51	18.92	109.70	40.45	-0.13	-1.15	-1.07	-0.21	0.27	
	5	84.68	128.63	-4.46	18.87	105.30	-50.60	1.28	0.24	1.26	0.27	-0.17	
10	24	3	1.28	-0.80	-1.43	-0.90	-1.34	0.23	0.22	0.04	0.11	0.16	-0.09
	18	3.60	1.20	-1.97	0.57	-1.33	1.27	0.65	-0.17	-0.10	0.58	-0.23	
	19	1.74	0.08	-1.43	-0.51	-0.85	-0.74	0.25	-0.17	0.13	-0.05	0.19	
	5	1.14	-0.03	-1.19	-0.11	-1.10	0.30	0.03	-0.24	-0.23	0.03	0.03	
10	25	3	85.43	129.71	-4.96	18.73	106.02	51.28	1.36	0.22	1.34	0.24	0.16
	18	80.92	125.69	3.89	19.22	110.37	-40.40	-0.18	-1.25	-1.16	-0.27	-0.29	
	19	81.25	126.00	3.54	19.05	110.49	40.73	-0.13	-1.16	-1.08	-0.21	0.27	
	5	85.30	129.56	-4.50	19.01	106.06	-50.97	1.29	0.24	1.27	0.27	-0.17	
10	26	3	1.30	-0.07	-1.26	-0.76	-0.57	0.59	0.23	0.05	0.12	0.16	-0.09
	18	3.07	1.24	-1.07	0.70	-0.54	0.97	0.65	-0.18	-0.10	0.58	-0.24	
	19	1.45	0.26	-0.69	-0.37	-0.05	-0.45	0.25	-0.17	0.12	-0.05	0.19	
	5	0.79	0.04	-0.36	0.02	-0.34	-0.07	0.03	-0.23	-0.23	0.03	0.03	
10	27	3	84.81	128.78	-4.93	18.60	105.25	50.91	1.35	0.22	1.33	0.24	0.16
	18	80.34	124.79	3.87	19.08	109.57	-40.10	-0.18	-1.24	-1.15	-0.27	-0.29	
	19	80.67	125.10	3.51	18.92	109.70	40.45	-0.13	-1.15	-1.07	-0.21	0.27	
	5	84.68	128.63	-4.46	18.87	105.30	-50.60	1.28	0.24	1.26	0.27	-0.17	
10	28	3	1.28	-0.80	-1.43	-0.90	-1.34	0.23	0.22	0.04	0.11	0.16	-0.09
	18	3.60	1.20	-1.97	0.57	-1.33	1.27	0.65	-0.17	-0.10	0.58	-0.23	
	19	1.74	0.08	-1.43	-0.51	-0.85	-0.74	0.25	-0.17	0.13	-0.05	0.19	
	5	1.14	-0.03	-1.19	-0.11	-1.10	0.30	0.03	-0.24	-0.23	0.03	0.03	
10	29	3	85.43	129.71	-4.96	18.73	106.02	51.28	1.36	0.22	1.34	0.24	0.16
	18	80.92	125.69	3.89	19.22	110.37	-40.40	-0.18	-1.25	-1.16	-0.27	-0.29	
	19	81.25	126.00	3.54	19.05	110.49	40.73	-0.13	-1.16	-1.08	-0.21	0.27	
	5	85.30	129.56	-4.50	19.01	106.06	-50.97	1.29	0.24	1.27	0.27	-0.17	
10	30	3	1.30	-0.07	-1.26	-0.76	-0.57	0.59	0.23	0.05	0.12	0.16	-0.09
	18	3.07	1.24	-1.07	0.70	-0.54	0.97	0.65	-0.18	-0.10	0.58	-0.24	
	19	1.45	0.26	-0.69	-0.37	-0.05	-0.45	0.25	-0.17	0.12	-0.05	0.19	
	5	0.79	0.04	-0.36	0.02	-0.34	-0.07	0.03	-0.23	-0.23	0.03	0.03	
10	31	3	84.81	128.77	-4.94	18.59	105.24	50.92	1.35	0.22	1.33	0.24	0.16
	18	80.32	124.76	3.85	19.07	109.55	-40.10	-0.18	-1.24	-1.15	-0.27	-0.29	
	19	80.66	125.08	3.50	18.91	109.67	40.45	-0.13	-1.15	-1.07	-0.21	0.27	
	5	84.67	128.61	-4.47	18.85	105.28	-50.60	1.29	0.24	1.26	0.27	-0.17	
10	32	3	1.27	-0.79	-1.41	-0.89	-1.32	0.22	0.22	0.04	0.10	0.16	-0.09
	18	3.58	1.21	-1.93	0.58	-1.30	1.26	0.65	-0.17	-0.10	0.58	-0.23	
	19	1.74	0.10	-1.42	-0.50	-0.82	-0.74	0.25	-0.17	0.13	-0.05	0.19	
	5	1.14	-0.01	-1.17	-0.10	-1.09	0.30	0.03	-0.24	-0.24	0.02	0.03	
10	33	3	85.42	129.70	-4.97	18.72	106.00	51.28	1.36	0.22	1.34	0.24	0.16
	18	80.90	125.66	3.88	19.20	110.34	-40.39	-0.18	-1.25	-1.16	-0.27	-0.29	
	19	81.24	125.98	3.53	19.05	110.46	40.74	-0.13	-1.16	-1.08	-0.21	0.27	
	5	85.29	129.54	-4.51	18.99	106.04	-50.97	1.30	0.24	1.27	0.27	-0.17	
10	34	3	1.28	-0.06	-1.25	-0.75	-0.56	0.58	0.23	0.05	0.11	0.16	-0.09
	18	3.06	1.25	-1.04	0.72	-0.51	0.97	0.65	-0.18	-0.11	0.58	-0.24	

		19	1.46	0.29	-0.68	-0.37	-0.03	-0.45	0.24	-0.17	0.12	-0.05	0.19
		5	0.80	0.05	-0.34	0.04	-0.33	-0.07	0.03	-0.23	-0.23	0.03	0.03
10	35	3	84.81	128.77	-4.94	18.59	105.24	50.92	1.35	0.22	1.33	0.24	0.16
		18	80.32	124.76	3.85	19.07	109.55	-40.10	-0.18	-1.24	-1.15	-0.27	-0.29
		19	80.66	125.08	3.50	18.91	109.67	40.45	-0.13	-1.15	-1.07	-0.21	0.27
		5	84.67	128.61	-4.47	18.85	105.28	-50.60	1.29	0.24	1.26	0.27	-0.17
10	36	3	1.27	-0.79	-1.41	-0.89	-1.32	0.22	0.22	0.04	0.10	0.16	-0.09
		18	3.58	1.21	-1.93	0.58	-1.30	1.26	0.65	-0.17	-0.10	0.58	-0.23
		19	1.74	0.10	-1.42	-0.50	-0.82	-0.74	0.25	-0.17	0.13	-0.05	0.19
		5	1.14	-0.01	-1.17	-0.10	-1.09	0.30	0.03	-0.24	-0.24	0.02	0.03
10	37	3	85.42	129.70	-4.97	18.72	106.00	51.28	1.36	0.22	1.34	0.24	0.16
		18	80.90	125.66	3.88	19.20	110.34	-40.39	-0.18	-1.25	-1.16	-0.27	-0.29
		19	81.24	125.98	3.53	19.05	110.46	40.74	-0.13	-1.16	-1.08	-0.21	0.27
		5	85.29	129.54	-4.51	18.99	106.04	-50.97	1.30	0.24	1.27	0.27	-0.17
10	38	3	1.28	-0.06	-1.25	-0.75	-0.56	0.58	0.23	0.05	0.11	0.16	-0.09
		18	3.06	1.25	-1.04	0.72	-0.51	0.97	0.65	-0.18	-0.11	0.58	-0.24
		19	1.46	0.29	-0.68	-0.37	-0.03	-0.45	0.24	-0.17	0.12	-0.05	0.19
		5	0.80	0.05	-0.34	0.04	-0.33	-0.07	0.03	-0.23	-0.23	0.03	0.03
10	39	3	0.66	0.50	-0.63	-0.04	-0.09	0.57	0.01	5.72e-04	5.19e-03	7.46e-03	5.64e-03
		18	0.53	0.38	-0.54	-0.05	-0.11	0.46	-1.80e-03	-0.01	-7.23e-03	-4.72e-03	-3.98e-03
		19	0.44	0.56	-0.17	0.11	0.28	0.35	3.83e-03	-5.17e-03	-2.60e-03	1.27e-03	4.07e-03
		5	0.49	0.51	-0.30	-0.03	0.24	0.39	1.23e-03	-0.01	-2.09e-03	-6.85e-03	-5.19e-03
10	40	3	0.64	0.49	-0.62	-0.04	-0.09	0.55	0.01	-2.69e-04	3.94e-03	7.20e-03	5.61e-03
		18	0.52	0.37	-0.52	-0.05	-0.10	0.44	-2.42e-03	-0.01	-8.48e-03	-5.01e-03	-3.96e-03
		19	0.43	0.55	-0.15	0.11	0.29	0.34	3.30e-03	-6.06e-03	-3.76e-03	1.00e-03	4.03e-03
		5	0.48	0.50	-0.29	-0.03	0.24	0.37	4.28e-04	-0.01	-3.25e-03	-7.09e-03	-5.26e-03
10	41	3	0.66	0.50	-0.63	-0.04	-0.09	0.57	0.01	5.54e-04	5.16e-03	7.45e-03	5.64e-03
		18	0.53	0.38	-0.54	-0.05	-0.11	0.46	-1.83e-03	-0.01	-7.26e-03	-4.74e-03	-3.97e-03
		19	0.44	0.56	-0.17	0.11	0.28	0.35	3.82e-03	-5.19e-03	-2.62e-03	1.26e-03	4.07e-03
		5	0.49	0.51	-0.30	-0.03	0.24	0.39	1.23e-03	-0.01	-2.11e-03	-6.86e-03	-5.20e-03
10	42	3	0.64	0.49	-0.62	-0.04	-0.09	0.55	0.01	-2.88e-04	3.91e-03	7.19e-03	5.60e-03
		18	0.52	0.37	-0.52	-0.05	-0.10	0.44	-2.44e-03	-0.01	-8.52e-03	-5.03e-03	-3.96e-03
		19	0.43	0.55	-0.15	0.11	0.29	0.34	3.29e-03	-6.08e-03	-3.78e-03	9.93e-04	4.03e-03
		5	0.48	0.50	-0.29	-0.03	0.24	0.37	4.25e-04	-0.01	-3.27e-03	-7.09e-03	-5.27e-03
10	43	3	0.66	0.50	-0.63	-0.04	-0.09	0.57	0.01	7.51e-04	5.46e-03	7.52e-03	5.65e-03
		18	0.53	0.38	-0.54	-0.05	-0.12	0.46	-1.66e-03	-9.95e-03	-6.96e-03	-4.65e-03	-3.98e-03
		19	0.44	0.55	-0.17	0.11	0.27	0.35	3.94e-03	-4.99e-03	-2.37e-03	1.32e-03	4.07e-03
		5	0.49	0.51	-0.31	-0.03	0.23	0.39	1.40e-03	-0.01	-1.87e-03	-6.80e-03	-5.18e-03
10	44	3	0.64	0.49	-0.62	-0.04	-0.09	0.55	0.01	-4.59e-04	3.67e-03	7.14e-03	5.60e-03
		18	0.52	0.37	-0.52	-0.05	-0.10	0.44	-2.54e-03	-0.01	-8.75e-03	-5.07e-03	-3.96e-03
		19	0.43	0.55	-0.15	0.11	0.29	0.34	3.21e-03	-6.25e-03	-3.99e-03	9.46e-04	4.03e-03
		5	0.47	0.50	-0.29	-0.03	0.24	0.37	2.65e-04	-0.01	-3.47e-03	-7.14e-03	-5.26e-03
10	45	3	0.66	0.50	-0.63	-0.04	-0.09	0.57	0.01	7.34e-04	5.43e-03	7.51e-03	5.64e-03
		18	0.53	0.38	-0.54	-0.05	-0.12	0.46	-1.69e-03	-9.97e-03	-6.99e-03	-4.67e-03	-3.98e-03
		19	0.44	0.55	-0.17	0.11	0.27	0.35	3.93e-03	-5.01e-03	-2.39e-03	1.31e-03	4.07e-03
		5	0.49	0.51	-0.31	-0.03	0.23	0.39	1.40e-03	-0.01	-1.89e-03	-6.80e-03	-5.19e-03
10	46	3	0.64	0.49	-0.62	-0.04	-0.09	0.55	0.01	-4.78e-04	3.64e-03	7.13e-03	5.60e-03
		18	0.52	0.37	-0.52	-0.05	-0.10	0.44	-2.57e-03	-0.01	-8.79e-03	-5.09e-03	-3.96e-03
		19	0.43	0.55	-0.15	0.11	0.29	0.34	3.20e-03	-6.27e-03	-4.01e-03	9.37e-04	4.03e-03
		5	0.47	0.50	-0.29	-0.03	0.24	0.37	2.62e-04	-0.01	-3.49e-03	-7.14e-03	-5.27e-03
10	47	3	0.66	0.50	-0.63	-0.04	-0.09	0.57	0.01	5.78e-04	5.19e-03	7.46e-03	5.64e-03
		18	0.53	0.38	-0.54	-0.05	-0.11	0.46	-1.80e-03	-0.01	-7.23e-03	-4.72e-03	-3.97e-03
		19	0.44	0.56	-0.17	0.11	0.28	0.35	3.84e-03	-5.17e-03	-2.60e-03	1.27e-03	4.07e-03
		5	0.49	0.51	-0.30	-0.03	0.24	0.39	1.24e-03	-0.01	-2.10e-03	-6.85e-03	-5.20e-03
10	48	3	0.64	0.49	-0.62	-0.04	-0.09	0.55	0.01	-2.63e-04	3.94e-03	7.20e-03	5.60e-03
		18	0.52	0.37	-0.52	-0.05	-0.10	0.44	-2.42e-03	-0.01	-8.48e-03	-5.01e-03	-3.96e-03
		19	0.43	0.55	-0.15	0.11	0.29	0.34	3.31e-03	-6.06e-03	-3.76e-03	1.00e-03	4.03e-03
		5	0.48	0.50	-0.29	-0.03	0.24	0.37	4.38e-04	-0.01	-3.25e-03	-7.09e-03	-5.27e-03
10	49	3	0.66	0.50	-0.63	-0.04	-0.09	0.57	0.01	5.47e-04	5.16e-03	7.45e-03	5.64e-03
		18	0.53	0.38	-0.54	-0.05	-0.11	0.46	-1.83e-03	-0.01	-7.26e-03	-4.74e-03	-3.98e-03
		19	0.44	0.56	-0.17	0.11	0.28	0.35	3.82e-03	-5.19e-03	-2.62e-03	1.26e-03	4.06e-03
		5	0.49	0.51	-0.30	-0.03	0.24	0.39	1.22e-03	-0.01	-2.11e-03	-6.86e-03	-5.19e-03
10	50	3	0.64	0.49	-0.62	-0.04	-0.09	0.55	0.01	-2.94e-04	3.91e-03	7.19e-03	5.61e-03
		18	0.52	0.37	-0.52	-0.05	-0.10	0.44	-2.44e-03	-0.01	-8.52e-03	-5.03e-03	-3.96e-03
		19	0.43	0.55	-0.15	0.11	0.29	0.34	3.29e-03	-6.08e-03	-3.78e-03	9.92e-04	4.03e-03
		5	0.48	0.50	-0.29	-0.03	0.24	0.37	4.15e-04	-0.01	-3.27e-03	-7.09e-03	-5.26e-03
10	51	3	0.66	0.50	-0.63	-0.04	-0.09	0.57	0.01	7.58e-04	5.46e-03	7.52e-03	5.64e-03
		18	0.53	0.38	-0.54	-0.05	-0.12	0.46	-1.66e-03	-9.94e-03	-6.96e-03	-4.65e-03	-3.98e-03
		19	0.44	0.55	-0.17	0.11	0.27	0.35	3.94e-03	-5.00e-03	-2.38e-03	1.32e-03	4.07e-03
		5	0.49	0.51	-0.31	-0.03	0.23	0.39	1.41e-03	-0.01	-1.87e-03	-6.80e-03	-5.19e-03
10	52	3	0.64	0.49	-0.62	-0.04	-0.09	0.55	0.01	-4.53e-04	3.67e-03	7.14e-03	5.60e-03
		18	0.52	0.37	-0.52	-0.05	-0.10	0.44	-2.55e-03	-0.01	-8.75e-03	-5.07e-03	-3.96e-03
		19	0.43	0.55	-0.15	0.11	0.29	0.34	3.21e-03	-6.25e-03	-3.99e-03	9.47e-04	4.03e-03
		5	0.47	0.50	-0.29	-0.03	0.24	0.37	2.75e-04	-0.01	-3.48e-03	-7.14e-03	-5.27e-03
10	53	3	0.66	0.50	-0.63	-0.04	-0.09	0.57	0.01	7.27e-04	5.43e-03	7.51e-03	5.65e-03
		18	0.53	0.38	-0.54	-0.05	-0.12	0.46	-1.69e-03	-9.98e-03	-6.99e-03	-4.67e-03	-3.98e-03
		19	0.44	0.55	-0.17	0.11	0.27	0.35	3.93e-03	-5.01e-03	-2.39e-03	1.31e-03	4.07e-03

		5	0.49	0.51	-0.31	-0.03	0.23	0.39	1.39e-03	-0.01	-1.89e-03	-6.81e-03	-5.18e-03
10	54	3	0.64	0.49	-0.62	-0.04	-0.09	0.55	0.01	-4.85e-04	3.64e-03	7.13e-03	5.60e-03
		18	0.52	0.37	-0.52	-0.05	-0.10	0.44	-2.57e-03	-0.01	-8.79e-03	-5.09e-03	-3.96e-03
		19	0.43	0.55	-0.15	0.11	0.29	0.34	3.19e-03	-6.26e-03	-4.01e-03	9.36e-04	4.03e-03
		5	0.47	0.50	-0.29	-0.03	0.24	0.37	2.52e-04	-0.01	-3.49e-03	-7.15e-03	-5.26e-03
10	55	3	0.67	0.52	-0.65	-0.03	-0.09	0.58	0.01	1.49e-03	6.64e-03	7.76e-03	5.68e-03
		18	0.55	0.39	-0.56	-0.05	-0.13	0.47	-1.03e-03	-9.12e-03	-5.77e-03	-4.38e-03	-3.99e-03
		19	0.45	0.56	-0.19	0.11	0.26	0.37	4.50e-03	-4.19e-03	-1.26e-03	1.57e-03	4.10e-03
		5	0.50	0.53	-0.32	-0.02	0.23	0.40	2.21e-03	-9.55e-03	-7.56e-04	-6.58e-03	-5.11e-03
10	56	3	0.63	0.47	-0.60	-0.05	-0.09	0.54	0.01	-1.31e-03	2.47e-03	6.89e-03	5.56e-03
		18	0.50	0.36	-0.50	-0.05	-0.09	0.43	-3.09e-03	-0.01	-9.96e-03	-5.36e-03	-3.95e-03
		19	0.42	0.55	-0.13	0.12	0.30	0.32	2.73e-03	-7.15e-03	-5.12e-03	6.92e-04	4.00e-03
		5	0.46	0.49	-0.28	-0.03	0.24	0.36	-4.65e-04	-0.01	-4.60e-03	-7.37e-03	-5.34e-03
10	57	3	0.67	0.52	-0.65	-0.03	-0.09	0.58	0.01	1.49e-03	6.63e-03	7.76e-03	5.68e-03
		18	0.55	0.39	-0.56	-0.05	-0.13	0.47	-1.04e-03	-9.13e-03	-5.78e-03	-4.39e-03	-3.99e-03
		19	0.45	0.56	-0.19	0.11	0.26	0.37	4.49e-03	-4.19e-03	-1.27e-03	1.57e-03	4.10e-03
		5	0.50	0.53	-0.32	-0.02	0.23	0.40	2.21e-03	-9.55e-03	-7.62e-04	-6.58e-03	-5.11e-03
10	58	3	0.63	0.47	-0.60	-0.05	-0.09	0.54	0.01	-1.31e-03	2.46e-03	6.88e-03	5.56e-03
		18	0.50	0.36	-0.50	-0.05	-0.09	0.43	-3.09e-03	-0.01	-9.97e-03	-5.36e-03	-3.95e-03
		19	0.42	0.55	-0.13	0.12	0.30	0.32	2.72e-03	-7.16e-03	-5.12e-03	6.89e-04	4.00e-03
		5	0.46	0.49	-0.28	-0.03	0.24	0.36	-4.66e-04	-0.01	-4.61e-03	-7.37e-03	-5.34e-03
10	59	3	0.67	0.52	-0.65	-0.03	-0.09	0.58	0.01	1.50e-03	6.64e-03	7.76e-03	5.68e-03
		18	0.55	0.39	-0.56	-0.05	-0.13	0.47	-1.03e-03	-9.12e-03	-5.77e-03	-4.38e-03	-3.99e-03
		19	0.45	0.56	-0.19	0.11	0.26	0.37	4.50e-03	-4.19e-03	-1.26e-03	1.57e-03	4.10e-03
		5	0.50	0.53	-0.32	-0.02	0.23	0.40	2.22e-03	-9.55e-03	-7.57e-04	-6.58e-03	-5.11e-03
10	60	3	0.63	0.47	-0.60	-0.05	-0.09	0.54	0.01	-1.31e-03	2.47e-03	6.89e-03	5.56e-03
		18	0.50	0.36	-0.50	-0.05	-0.09	0.43	-3.09e-03	-0.01	-9.96e-03	-5.36e-03	-3.95e-03
		19	0.42	0.55	-0.13	0.12	0.30	0.32	2.73e-03	-7.15e-03	-5.12e-03	6.92e-04	4.00e-03
		5	0.46	0.49	-0.28	-0.03	0.24	0.36	-4.62e-04	-0.01	-4.60e-03	-7.37e-03	-5.34e-03
10	61	3	0.67	0.52	-0.65	-0.03	-0.09	0.58	0.01	1.49e-03	6.63e-03	7.76e-03	5.68e-03
		18	0.55	0.39	-0.56	-0.05	-0.13	0.47	-1.04e-03	-9.13e-03	-5.78e-03	-4.39e-03	-3.99e-03
		19	0.45	0.56	-0.19	0.11	0.26	0.37	4.49e-03	-4.19e-03	-1.27e-03	1.57e-03	4.10e-03
		5	0.50	0.53	-0.32	-0.02	0.23	0.40	2.21e-03	-9.55e-03	-7.62e-04	-6.58e-03	-5.11e-03
10	62	3	0.63	0.47	-0.60	-0.05	-0.09	0.54	0.01	-1.32e-03	2.46e-03	6.88e-03	5.56e-03
		18	0.50	0.36	-0.50	-0.05	-0.09	0.43	-3.09e-03	-0.01	-9.97e-03	-5.36e-03	-3.95e-03
		19	0.42	0.55	-0.13	0.12	0.30	0.32	2.72e-03	-7.16e-03	-5.12e-03	6.89e-04	4.00e-03
		5	0.46	0.49	-0.28	-0.03	0.24	0.36	-4.69e-04	-0.01	-4.60e-03	-7.37e-03	-5.34e-03
10	63	3	0.68	0.51	-0.65	-0.04	-0.10	0.58	0.01	2.05e-03	7.54e-03	7.96e-03	5.70e-03
		18	0.55	0.38	-0.57	-0.05	-0.14	0.47	-5.07e-04	-8.53e-03	-4.87e-03	-4.17e-03	-4.00e-03
		19	0.45	0.56	-0.20	0.11	0.25	0.37	4.89e-03	-3.63e-03	-4.99e-04	1.76e-03	4.10e-03
		5	0.50	0.52	-0.33	-0.03	0.23	0.40	2.81e-03	-9.22e-03	0.0	-6.40e-03	-5.09e-03
10	64	3	0.62	0.47	-0.60	-0.04	-0.08	0.54	0.01	-1.98e-03	1.57e-03	6.69e-03	5.55e-03
		18	0.50	0.37	-0.49	-0.05	-0.08	0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	-3.94e-03
		19	0.42	0.55	-0.12	0.12	0.31	0.32	2.43e-03	-7.80e-03	-5.88e-03	5.04e-04	3.99e-03
		5	0.46	0.49	-0.27	-0.03	0.25	0.36	-9.76e-04	-0.01	-5.36e-03	-7.54e-03	-5.36e-03
10	65	3	0.68	0.51	-0.65	-0.04	-0.10	0.58	0.01	2.05e-03	7.53e-03	7.96e-03	5.69e-03
		18	0.55	0.38	-0.57	-0.05	-0.14	0.47	-5.15e-04	-8.54e-03	-4.88e-03	-4.17e-03	-4.00e-03
		19	0.45	0.56	-0.20	0.11	0.25	0.37	4.88e-03	-3.63e-03	-5.05e-04	1.75e-03	4.10e-03
		5	0.50	0.52	-0.33	-0.03	0.23	0.40	2.81e-03	-9.22e-03	-5.18e-06	-6.41e-03	-5.09e-03
10	66	3	0.62	0.47	-0.60	-0.04	-0.08	0.54	0.01	-1.99e-03	1.56e-03	6.68e-03	5.55e-03
		18	0.50	0.37	-0.49	-0.05	-0.08	0.43	-3.48e-03	-0.01	-0.01	-5.57e-03	-3.94e-03
		19	0.42	0.55	-0.12	0.12	0.31	0.32	2.42e-03	-7.80e-03	-5.88e-03	5.02e-04	4.00e-03
		5	0.46	0.49	-0.27	-0.03	0.25	0.36	-9.77e-04	-0.01	-5.36e-03	-7.54e-03	-5.37e-03
10	67	3	0.68	0.51	-0.65	-0.04	-0.10	0.58	0.01	2.05e-03	7.54e-03	7.96e-03	5.70e-03
		18	0.55	0.38	-0.57	-0.05	-0.14	0.47	-5.07e-04	-8.53e-03	-4.87e-03	-4.17e-03	-4.00e-03
		19	0.45	0.56	-0.20	0.11	0.25	0.37	4.89e-03	-3.63e-03	-5.00e-04	1.76e-03	4.10e-03
		5	0.50	0.52	-0.33	-0.03	0.23	0.40	2.81e-03	-9.22e-03	0.0	-6.40e-03	-5.09e-03
10	68	3	0.62	0.47	-0.60	-0.04	-0.08	0.54	0.01	-1.98e-03	1.57e-03	6.69e-03	5.55e-03
		18	0.50	0.37	-0.49	-0.05	-0.08	0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	-3.94e-03
		19	0.42	0.55	-0.12	0.12	0.31	0.32	2.43e-03	-7.80e-03	-5.88e-03	5.05e-04	4.00e-03
		5	0.46	0.49	-0.27	-0.03	0.25	0.36	-9.73e-04	-0.01	-5.36e-03	-7.54e-03	-5.37e-03
10	69	3	0.68	0.51	-0.65	-0.04	-0.10	0.58	0.01	2.04e-03	7.53e-03	7.96e-03	5.70e-03
		18	0.55	0.38	-0.57	-0.05	-0.14	0.47	-5.15e-04	-8.54e-03	-4.88e-03	-4.17e-03	-4.00e-03
		19	0.45	0.56	-0.20	0.11	0.25	0.37	4.88e-03	-3.63e-03	-5.04e-04	1.75e-03	4.10e-03
		5	0.50	0.52	-0.33	-0.03	0.23	0.40	2.81e-03	-9.22e-03	-4.63e-06	-6.41e-03	-5.09e-03
10	70	3	0.62	0.47	-0.60	-0.04	-0.08	0.54	0.01	-1.99e-03	1.56e-03	6.68e-03	5.55e-03
		18	0.50	0.37	-0.49	-0.05	-0.08	0.43	-3.47e-03	-0.01	-0.01	-5.58e-03	-3.94e-03
		19	0.42	0.55	-0.12	0.12	0.31	0.32	2.42e-03	-7.80e-03	-5.88e-03	5.02e-04	3.99e-03
		5	0.46	0.49	-0.27	-0.03	0.25	0.36	-9.80e-04	-0.01	-5.36e-03	-7.54e-03	-5.36e-03
10	71	3	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		19	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		5	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
10	72	3	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		19	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		5	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03

10	73	3	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		19	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		5	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
10	74	3	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		19	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		5	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
10	75	3	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		19	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		5	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
10	76	3	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		18	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
		19	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		5	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
11	1	5	0.67	0.55	-0.52	-0.11	0.14	0.52	0.02	-0.01	5.67e-03	4.19e-03	0.02
		19	0.48	0.49	-0.25	0.06	0.17	0.37	1.04e-03	-0.03	-0.02	-7.89e-03	-0.01
		20	0.25	0.39	0.13	0.14	0.38	0.05	6.84e-03	-0.02	-0.01	-1.01e-03	0.01
		7	0.26	0.32	-0.09	-0.09	0.32	-0.03	0.01	-0.02	-4.36e-04	-2.34e-03	-0.02
11	2	5	0.67	0.55	-0.52	-0.11	0.14	0.52	0.02	-0.01	5.67e-03	4.19e-03	0.02
		19	0.48	0.49	-0.25	0.06	0.17	0.37	1.04e-03	-0.03	-0.02	-7.89e-03	-0.01
		20	0.25	0.39	0.13	0.14	0.38	0.05	6.84e-03	-0.02	-0.01	-1.01e-03	0.01
		7	0.26	0.32	-0.09	-0.09	0.32	-0.03	0.01	-0.02	-4.36e-04	-2.34e-03	-0.02
11	3	5	0.51	0.42	-0.40	-0.09	0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		19	0.37	0.37	-0.20	0.05	0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		20	0.19	0.30	0.10	0.11	0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		7	0.20	0.25	-0.07	-0.07	0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
11	4	5	0.51	0.42	-0.40	-0.09	0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		19	0.37	0.37	-0.20	0.05	0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		20	0.19	0.30	0.10	0.11	0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		7	0.20	0.25	-0.07	-0.07	0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
11	5	5	0.51	0.42	-0.40	-0.09	0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		19	0.37	0.37	-0.20	0.05	0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		20	0.19	0.30	0.10	0.11	0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		7	0.20	0.25	-0.07	-0.07	0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
11	6	5	0.51	0.42	-0.40	-0.09	0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		19	0.37	0.37	-0.20	0.05	0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		20	0.19	0.30	0.10	0.11	0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		7	0.20	0.25	-0.07	-0.07	0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
11	7	5	22.34	33.86	-1.39	4.87	27.61	13.46	0.35	0.06	0.35	0.07	0.04
		19	21.02	32.64	1.11	5.01	28.74	-10.37	-0.04	-0.33	-0.30	-0.06	-0.08
		20	21.24	32.89	0.93	4.99	28.83	10.64	-0.02	-0.31	-0.28	-0.05	0.08
		7	22.17	33.71	-1.11	4.93	27.67	-13.19	0.33	0.06	0.33	0.07	-0.04
11	8	5	3.31	-0.05	-5.05	-0.77	-4.33	-1.76	-0.02	-0.08	-0.07	-0.03	0.03
		19	3.47	0.04	-5.29	-0.78	-4.47	1.92	0.03	-0.02	0.03	-0.02	-4.10e-03
		20	3.20	-0.03	-4.95	-0.67	-4.31	-1.65	0.04	2.82e-03	0.04	7.53e-03	0.01
		7	3.46	0.08	-5.19	-0.94	-4.17	2.08	-1.50e-03	-0.07	-0.06	-9.13e-03	-0.02
11	9	5	24.36	36.94	-1.48	5.32	30.14	14.66	0.38	0.07	0.38	0.07	0.04
		19	22.96	35.65	1.19	5.47	31.38	-11.36	-0.04	-0.36	-0.33	-0.07	-0.09
		20	23.18	35.89	1.01	5.44	31.46	11.61	-0.03	-0.33	-0.31	-0.05	0.09
		7	24.20	36.80	-1.21	5.39	30.19	-14.40	0.37	0.07	0.36	0.08	-0.05
11	10	5	1.29	-0.13	-1.98	-0.31	-1.80	-0.56	3.02e-04	-0.06	-0.04	-0.02	0.03
		19	1.53	0.12	-2.28	-0.32	-1.83	0.94	6.62e-03	-0.03	2.59e-03	-0.02	-0.01
		20	1.32	0.05	-1.95	-0.22	-1.68	-0.68	0.03	-0.01	0.01	3.06e-03	0.02
		7	1.44	-0.02	-2.10	-0.48	-1.64	0.87	0.01	-0.04	-0.03	-2.53e-03	-0.02
11	11	5	22.34	33.86	-1.39	4.86	27.60	13.47	0.35	0.06	0.35	0.07	0.04
		19	21.01	32.63	1.11	5.01	28.74	-10.37	-0.04	-0.33	-0.30	-0.06	-0.08
		20	21.24	32.89	0.93	4.99	28.83	10.64	-0.02	-0.31	-0.28	-0.05	0.08
		7	22.17	33.70	-1.11	4.93	27.66	-13.18	0.34	0.06	0.33	0.07	-0.04
11	12	5	3.31	-0.04	-5.05	-0.77	-4.33	-1.76	-0.02	-0.08	-0.07	-0.03	0.03
		19	3.47	0.04	-5.28	-0.78	-4.47	1.92	0.03	-0.02	0.03	-0.02	-4.10e-03
		20	3.20	-0.03	-4.95	-0.67	-4.31	-1.65	0.04	2.78e-03	0.04	7.52e-03	0.01
		7	3.45	0.08	-5.19	-0.94	-4.17	2.08	-1.52e-03	-0.07	-0.06	-9.16e-03	-0.02
11	13	5	24.36	36.94	-1.48	5.32	30.14	14.67	0.39	0.07	0.38	0.07	0.04
		19	22.96	35.65	1.19	5.46	31.37	-11.36	-0.04	-0.36	-0.33	-0.07	-0.09
		20	23.18	35.89	1.01	5.44	31.46	11.62	-0.03	-0.33	-0.31	-0.05	0.09
		7	24.20	36.79	-1.21	5.39	30.19	-14.40	0.37	0.07	0.36	0.08	-0.05
11	14	5	1.29	-0.12	-1.98	-0.31	-1.79	-0.56	8.64e-05	-0.06	-0.04	-0.02	0.03
		19	1.52	0.12	-2.28	-0.32	-1.83	0.93	6.31e-03	-0.03	2.24e-03	-0.02	-0.01
		20	1.32	0.05	-1.95	-0.22	-1.68	-0.68	0.03	-0.01	0.01	3.05e-03	0.02
		7	1.43	-0.02	-2.10	-0.48	-1.64	0.86	0.01	-0.04	-0.03	-2.56e-03	-0.02
11	15	5	22.34	33.86	-1.39	4.87	27.61	13.46	0.35	0.06	0.35	0.07	0.04
		19	21.02	32.64	1.11	5.01	28.74	-10.37	-0.04	-0.33	-0.30	-0.06	-0.08
		20	21.24	32.89	0.93	4.99	28.83	10.64	-0.02	-0.31	-0.28	-0.05	0.08
		7	22.17	33.71	-1.11	4.93	27.67	-13.18	0.33	0.06	0.33	0.07	-0.04
11	16	5	3.31	-0.05	-5.05	-0.77	-4.33	-1.76	-0.02	-0.08	-0.07	-0.03	0.03

	19	3.47	0.04	-5.29	-0.78	-4.47	1.92	0.03	-0.02	0.03	-0.02	-4.09e-03	
	20	3.20	-0.03	-4.95	-0.67	-4.31	-1.65	0.04	2.81e-03	0.04	7.53e-03	0.01	
	7	3.46	0.08	-5.19	-0.94	-4.17	2.08	-1.49e-03	-0.07	-0.06	-9.13e-03	-0.02	
11	17	5	24.36	36.94	-1.48	5.32	30.14	14.66	0.38	0.07	0.38	0.07	0.04
	19	22.96	35.65	1.19	5.47	31.38	-11.36	-0.04	-0.36	-0.33	-0.07	-0.09	
	20	23.18	35.89	1.01	5.44	31.46	11.61	-0.03	-0.33	-0.31	-0.05	0.09	
	7	24.20	36.80	-1.21	5.39	30.19	-14.40	0.37	0.07	0.36	0.08	-0.05	
11	18	5	1.29	-0.13	-1.98	-0.31	-1.80	-0.56	3.10e-04	-0.06	-0.04	-0.02	0.03
	19	1.53	0.12	-2.28	-0.32	-1.83	0.94	6.64e-03	-0.03	2.60e-03	-0.02	-0.01	
	20	1.32	0.05	-1.95	-0.22	-1.68	-0.68	0.03	-0.01	0.01	3.07e-03	0.02	
	7	1.44	-0.02	-2.10	-0.48	-1.64	0.87	0.01	-0.04	-0.03	-2.53e-03	-0.02	
11	19	5	22.34	33.86	-1.39	4.86	27.60	13.47	0.35	0.06	0.35	0.07	0.04
	19	21.01	32.63	1.11	5.01	28.74	-10.37	-0.04	-0.33	-0.30	-0.06	-0.08	
	20	21.24	32.89	0.93	4.99	28.83	10.64	-0.02	-0.31	-0.28	-0.05	0.08	
	7	22.17	33.70	-1.11	4.93	27.66	-13.18	0.34	0.06	0.33	0.07	-0.04	
11	20	5	3.31	-0.04	-5.05	-0.77	-4.33	-1.76	-0.02	-0.08	-0.07	-0.03	0.03
	19	3.47	0.04	-5.28	-0.78	-4.47	1.92	0.03	-0.02	0.03	-0.02	-4.09e-03	
	20	3.20	-0.03	-4.95	-0.67	-4.31	-1.65	0.04	2.77e-03	0.04	7.51e-03	0.01	
	7	3.45	0.08	-5.19	-0.94	-4.17	2.08	-1.51e-03	-0.07	-0.06	-9.16e-03	-0.02	
11	21	5	24.36	36.94	-1.48	5.32	30.14	14.67	0.39	0.07	0.38	0.07	0.04
	19	22.96	35.65	1.19	5.46	31.37	-11.36	-0.04	-0.36	-0.33	-0.07	-0.09	
	20	23.18	35.89	1.01	5.44	31.46	11.62	-0.03	-0.33	-0.31	-0.05	0.09	
	7	24.20	36.79	-1.21	5.39	30.19	-14.40	0.37	0.07	0.36	0.08	-0.05	
11	22	5	1.29	-0.12	-1.98	-0.31	-1.79	-0.56	9.39e-05	-0.06	-0.04	-0.02	0.03
	19	1.52	0.12	-2.28	-0.32	-1.83	0.93	6.32e-03	-0.03	2.25e-03	-0.02	-0.01	
	20	1.32	0.05	-1.95	-0.22	-1.68	-0.68	0.03	-0.01	0.01	3.05e-03	0.02	
	7	1.43	-0.02	-2.10	-0.48	-1.64	0.86	0.01	-0.04	-0.03	-2.55e-03	-0.02	
11	23	5	84.30	128.33	-4.27	18.85	105.21	50.31	1.33	0.23	1.31	0.25	0.12
	19	80.61	124.96	3.56	19.02	109.49	-40.47	-0.14	-1.21	-1.12	-0.23	-0.29	
	20	80.64	124.88	3.29	18.77	109.39	40.53	-0.10	-1.13	-1.05	-0.18	0.28	
	7	84.28	128.29	-4.16	19.06	105.07	-50.36	1.27	0.26	1.25	0.27	-0.13	
11	24	5	1.10	0.19	-1.37	0.06	-1.24	-0.43	3.87e-03	-0.15	-0.07	-0.08	0.08
	19	1.00	-0.05	-1.44	-0.28	-1.22	0.52	-3.16e-04	-0.08	-9.45e-03	-0.07	-0.03	
	20	0.98	0.07	-1.25	-0.09	-1.09	-0.43	0.07	-0.04	0.02	3.55e-03	0.05	
	7	1.04	-0.20	-1.38	-0.52	-1.05	0.53	0.05	-0.08	-0.04	9.03e-03	-0.06	
11	25	5	84.91	129.26	-4.30	18.98	105.97	50.67	1.34	0.23	1.32	0.25	0.12
	19	81.20	125.86	3.58	19.16	110.28	-40.77	-0.14	-1.22	-1.13	-0.23	-0.30	
	20	81.23	125.78	3.31	18.91	110.18	40.83	-0.10	-1.14	-1.06	-0.18	0.28	
	7	84.89	129.22	-4.19	19.20	105.83	-50.73	1.28	0.26	1.26	0.28	-0.14	
11	26	5	0.55	0.20	-0.49	0.20	-0.48	-0.07	0.01	-0.15	-0.06	-0.07	0.08
	19	0.43	-0.02	-0.54	-0.14	-0.43	0.22	-6.19e-03	-0.09	-0.02	-0.07	-0.03	
	20	0.45	0.10	-0.35	0.05	-0.30	-0.14	0.06	-0.05	0.01	2.21e-03	0.06	
	7	0.48	-0.17	-0.51	-0.39	-0.29	0.16	0.05	-0.07	-0.03	0.01	-0.06	
11	27	5	84.30	128.33	-4.27	18.85	105.21	50.31	1.33	0.23	1.31	0.25	0.12
	19	80.61	124.96	3.56	19.02	109.49	-40.47	-0.14	-1.21	-1.12	-0.23	-0.29	
	20	80.64	124.88	3.29	18.77	109.39	40.53	-0.10	-1.13	-1.05	-0.18	0.28	
	7	84.28	128.29	-4.16	19.06	105.07	-50.36	1.27	0.26	1.25	0.27	-0.13	
11	28	5	1.10	0.19	-1.37	0.06	-1.24	-0.43	3.87e-03	-0.15	-0.07	-0.08	0.08
	19	1.00	-0.05	-1.44	-0.28	-1.22	0.52	-3.21e-04	-0.08	-9.46e-03	-0.07	-0.03	
	20	0.98	0.07	-1.25	-0.09	-1.09	-0.43	0.07	-0.04	0.02	3.55e-03	0.05	
	7	1.04	-0.20	-1.38	-0.52	-1.05	0.53	0.05	-0.08	-0.04	9.03e-03	-0.06	
11	29	5	84.91	129.26	-4.30	18.98	105.97	50.67	1.34	0.23	1.32	0.25	0.12
	19	81.20	125.86	3.58	19.16	110.28	-40.77	-0.14	-1.22	-1.13	-0.23	-0.30	
	20	81.23	125.78	3.31	18.91	110.18	40.83	-0.10	-1.14	-1.06	-0.18	0.28	
	7	84.89	129.22	-4.19	19.20	105.83	-50.73	1.28	0.26	1.26	0.28	-0.14	
11	30	5	0.55	0.20	-0.49	0.20	-0.48	-0.07	0.01	-0.15	-0.06	-0.07	0.08
	19	0.43	-0.02	-0.54	-0.14	-0.43	0.22	-6.18e-03	-0.09	-0.02	-0.07	-0.03	
	20	0.45	0.10	-0.35	0.05	-0.30	-0.14	0.06	-0.05	0.01	2.21e-03	0.06	
	7	0.48	-0.17	-0.51	-0.39	-0.29	0.16	0.05	-0.07	-0.03	0.01	-0.06	
11	31	5	84.31	128.34	-4.29	18.84	105.21	50.32	1.33	0.23	1.31	0.25	0.12
	19	80.60	124.94	3.56	19.01	109.48	-40.46	-0.14	-1.21	-1.12	-0.23	-0.29	
	20	80.65	124.87	3.27	18.77	109.38	40.55	-0.10	-1.13	-1.05	-0.18	0.28	
	7	84.27	128.27	-4.16	19.06	105.06	-50.35	1.27	0.26	1.25	0.27	-0.13	
11	32	5	1.11	0.20	-1.37	0.07	-1.24	-0.44	3.03e-03	-0.15	-0.07	-0.08	0.08
	19	0.98	-0.05	-1.42	-0.27	-1.20	0.50	-1.38e-03	-0.08	-0.01	-0.07	-0.03	
	20	0.99	0.09	-1.25	-0.08	-1.08	-0.44	0.07	-0.04	0.02	3.49e-03	0.05	
	7	1.03	-0.20	-1.36	-0.52	-1.04	0.52	0.05	-0.08	-0.04	8.94e-03	-0.06	
11	33	5	84.92	129.26	-4.32	18.98	105.97	50.68	1.34	0.23	1.32	0.25	0.12
	19	81.19	125.84	3.58	19.15	110.27	-40.76	-0.14	-1.22	-1.13	-0.23	-0.30	
	20	81.23	125.77	3.30	18.90	110.17	40.84	-0.10	-1.14	-1.06	-0.18	0.28	
	7	84.88	129.20	-4.19	19.19	105.82	-50.72	1.28	0.26	1.26	0.28	-0.14	
11	34	5	0.56	0.21	-0.48	0.20	-0.48	-0.08	9.63e-03	-0.15	-0.06	-0.08	0.08
	19	0.42	-0.02	-0.52	-0.13	-0.41	0.21	-7.22e-03	-0.09	-0.02	-0.07	-0.03	
	20	0.46	0.11	-0.35	0.05	-0.29	-0.15	0.06	-0.05	0.01	2.15e-03	0.06	
	7	0.46	-0.17	-0.49	-0.39	-0.28	0.15	0.05	-0.07	-0.03	0.01	-0.06	
11	35	5	84.31	128.34	-4.29	18.84	105.21	50.32	1.33	0.23	1.31	0.25	0.12
	19	80.60	124.94	3.56	19.01	109.48	-40.46	-0.14	-1.21	-1.12	-0.23	-0.29	

		20	80.65	124.87	3.27	18.77	109.38	40.55	-0.10	-1.13	-1.05	-0.18	0.28
		7	84.27	128.27	-4.16	19.06	105.06	-50.35	1.27	0.26	1.25	0.27	-0.13
11	36	5	1.11	0.20	-1.37	0.07	-1.24	-0.44	3.03e-03	-0.15	-0.07	-0.08	0.08
		19	0.98	-0.05	-1.42	-0.27	-1.20	0.50	-1.38e-03	-0.08	-0.01	-0.07	-0.03
		20	0.99	0.09	-1.25	-0.08	-1.08	-0.44	0.07	-0.04	0.02	3.49e-03	0.05
		7	1.03	-0.20	-1.36	-0.52	-1.04	0.52	0.05	-0.08	-0.04	8.94e-03	-0.06
11	37	5	84.92	129.26	-4.32	18.98	105.97	50.68	1.34	0.23	1.32	0.25	0.12
		19	81.19	125.84	3.58	19.15	110.27	-40.76	-0.14	-1.22	-1.13	-0.23	-0.30
		20	81.23	125.77	3.30	18.90	110.17	40.84	-0.10	-1.14	-1.06	-0.18	0.28
		7	84.88	129.20	-4.19	19.19	105.82	-50.72	1.28	0.26	1.26	0.28	-0.14
11	38	5	0.56	0.21	-0.48	0.20	-0.48	-0.08	9.63e-03	-0.15	-0.06	-0.08	0.08
		19	0.42	-0.02	-0.52	-0.13	-0.41	0.21	-7.21e-03	-0.09	-0.02	-0.07	-0.03
		20	0.46	0.11	-0.35	0.05	-0.29	-0.15	0.06	-0.05	0.01	2.15e-03	0.06
		7	0.46	-0.17	-0.49	-0.39	-0.28	0.15	0.05	-0.07	-0.03	0.01	-0.06
11	39	5	0.53	0.44	-0.42	-0.09	0.11	0.42	0.02	-8.24e-03	4.71e-03	3.33e-03	0.01
		19	0.39	0.39	-0.21	0.05	0.13	0.30	1.03e-03	-0.02	-0.01	-5.92e-03	-0.01
		20	0.20	0.31	0.09	0.11	0.29	0.06	5.38e-03	-0.02	-0.01	-6.53e-04	9.77e-03
		7	0.19	0.24	-0.07	-0.07	0.24	-4.65e-03	0.01	-0.01	-1.47e-04	-1.73e-03	-0.01
11	40	5	0.50	0.41	-0.39	-0.09	0.11	0.39	0.02	-8.59e-03	4.05e-03	3.14e-03	0.01
		19	0.35	0.36	-0.18	0.04	0.14	0.27	6.17e-04	-0.02	-0.02	-6.18e-03	-0.01
		20	0.18	0.30	0.11	0.11	0.29	0.03	5.17e-03	-0.02	-0.01	-8.67e-04	9.83e-03
		7	0.21	0.25	-0.08	-0.07	0.25	-0.04	0.01	-0.01	-5.18e-04	-1.86e-03	-0.01
11	41	5	0.53	0.44	-0.42	-0.09	0.11	0.42	0.02	-8.27e-03	4.68e-03	3.30e-03	0.01
		19	0.39	0.39	-0.21	0.05	0.13	0.30	9.91e-04	-0.02	-0.01	-5.96e-03	-0.01
		20	0.20	0.31	0.09	0.11	0.29	0.06	5.35e-03	-0.02	-0.01	-6.87e-04	9.78e-03
		7	0.20	0.24	-0.07	-0.07	0.24	-4.58e-03	0.01	-0.01	-1.52e-04	-1.75e-03	-0.01
11	42	5	0.50	0.41	-0.39	-0.09	0.11	0.39	0.02	-8.61e-03	4.02e-03	3.12e-03	0.01
		19	0.35	0.36	-0.18	0.04	0.14	0.27	5.76e-04	-0.02	-0.02	-6.22e-03	-0.01
		20	0.18	0.30	0.11	0.11	0.29	0.03	5.14e-03	-0.02	-0.01	-9.01e-04	9.84e-03
		7	0.21	0.25	-0.08	-0.07	0.25	-0.04	0.01	-0.01	-5.23e-04	-1.88e-03	-0.01
11	43	5	0.53	0.44	-0.42	-0.09	0.11	0.42	0.02	-8.18e-03	4.84e-03	3.35e-03	0.01
		19	0.39	0.39	-0.21	0.05	0.13	0.30	1.09e-03	-0.02	-0.01	-5.90e-03	-0.01
		20	0.20	0.30	0.09	0.11	0.29	0.06	5.40e-03	-0.02	-0.01	-6.47e-04	9.78e-03
		7	0.20	0.24	-0.07	-0.07	0.24	-3.32e-03	0.01	-0.01	-8.56e-05	-1.72e-03	-0.01
11	44	5	0.49	0.41	-0.38	-0.09	0.11	0.38	0.02	-8.65e-03	3.92e-03	3.12e-03	0.01
		19	0.35	0.36	-0.18	0.05	0.14	0.26	5.64e-04	-0.02	-0.02	-6.20e-03	-0.01
		20	0.18	0.30	0.11	0.11	0.30	0.02	5.14e-03	-0.02	-0.01	-8.74e-04	9.83e-03
		7	0.21	0.25	-0.08	-0.07	0.25	-0.04	0.01	-0.01	-5.79e-04	-1.87e-03	-0.01
11	45	5	0.53	0.44	-0.42	-0.09	0.11	0.42	0.02	-8.21e-03	4.81e-03	3.33e-03	0.01
		19	0.39	0.39	-0.21	0.05	0.13	0.30	1.04e-03	-0.02	-0.01	-5.94e-03	-0.01
		20	0.20	0.30	0.09	0.11	0.29	0.06	5.38e-03	-0.02	-0.01	-6.80e-04	9.78e-03
		7	0.20	0.24	-0.07	-0.07	0.24	-3.26e-03	0.01	-0.01	-9.09e-05	-1.74e-03	-0.01
11	46	5	0.49	0.41	-0.39	-0.09	0.11	0.38	0.02	-8.67e-03	3.89e-03	3.09e-03	0.01
		19	0.35	0.36	-0.18	0.04	0.14	0.26	5.23e-04	-0.02	-0.02	-6.24e-03	-0.01
		20	0.18	0.30	0.11	0.11	0.30	0.02	5.12e-03	-0.02	-0.01	-9.07e-04	9.84e-03
		7	0.21	0.25	-0.08	-0.07	0.25	-0.04	0.01	-0.01	-5.84e-04	-1.89e-03	-0.01
11	47	5	0.53	0.44	-0.42	-0.09	0.11	0.42	0.02	-8.24e-03	4.70e-03	3.33e-03	0.01
		19	0.39	0.39	-0.21	0.05	0.13	0.30	1.03e-03	-0.02	-0.01	-5.92e-03	-0.01
		20	0.20	0.31	0.09	0.11	0.29	0.06	5.38e-03	-0.02	-0.01	-6.54e-04	9.78e-03
		7	0.20	0.24	-0.07	-0.07	0.24	-4.59e-03	0.01	-0.01	-1.46e-04	-1.75e-03	-0.01
11	48	5	0.50	0.41	-0.39	-0.09	0.11	0.39	0.02	-8.59e-03	4.05e-03	3.14e-03	0.01
		19	0.35	0.36	-0.18	0.04	0.14	0.27	6.11e-04	-0.02	-0.02	-6.18e-03	-0.01
		20	0.18	0.30	0.11	0.11	0.29	0.03	5.17e-03	-0.02	-0.01	-8.68e-04	9.84e-03
		7	0.21	0.25	-0.08	-0.07	0.25	-0.04	0.01	-0.01	-5.17e-04	-1.86e-03	-0.01
11	49	5	0.53	0.44	-0.42	-0.09	0.11	0.42	0.02	-8.27e-03	4.68e-03	3.30e-03	0.01
		19	0.39	0.39	-0.21	0.05	0.13	0.30	9.97e-04	-0.02	-0.01	-5.96e-03	-0.01
		20	0.20	0.31	0.09	0.11	0.29	0.06	5.35e-03	-0.02	-0.01	-6.86e-04	9.77e-03
		7	0.20	0.24	-0.07	-0.07	0.24	-4.64e-03	0.01	-0.01	-1.53e-04	-1.75e-03	-0.01
11	50	5	0.50	0.41	-0.39	-0.09	0.11	0.39	0.02	-8.61e-03	4.02e-03	3.12e-03	0.01
		19	0.35	0.36	-0.18	0.04	0.14	0.27	5.82e-04	-0.02	-0.02	-6.22e-03	-0.01
		20	0.18	0.30	0.11	0.11	0.29	0.03	5.14e-03	-0.02	-0.01	-9.00e-04	9.83e-03
		7	0.21	0.25	-0.08	-0.07	0.25	-0.04	0.01	-0.01	-5.24e-04	-1.88e-03	-0.01
11	51	5	0.53	0.44	-0.42	-0.09	0.11	0.42	0.02	-8.18e-03	4.84e-03	3.35e-03	0.01
		19	0.39	0.39	-0.21	0.05	0.13	0.30	1.08e-03	-0.02	-0.01	-5.90e-03	-0.01
		20	0.20	0.30	0.09	0.11	0.29	0.06	5.40e-03	-0.02	-0.01	-6.47e-04	9.78e-03
		7	0.20	0.24	-0.07	-0.07	0.24	-3.27e-03	0.01	-0.01	-8.46e-05	-1.72e-03	-0.01
11	52	5	0.49	0.41	-0.38	-0.09	0.11	0.38	0.02	-8.65e-03	3.92e-03	3.12e-03	0.01
		19	0.35	0.36	-0.18	0.05	0.14	0.26	5.58e-04	-0.02	-0.02	-6.20e-03	-0.01
		20	0.18	0.30	0.11	0.11	0.30	0.02	5.15e-03	-0.02	-0.01	-8.74e-04	9.84e-03
		7	0.21	0.25	-0.08	-0.07	0.25	-0.04	0.01	-0.01	-5.78e-04	-1.87e-03	-0.01
11	53	5	0.53	0.44	-0.42	-0.09	0.11	0.42	0.02	-8.21e-03	4.81e-03	3.33e-03	0.01
		19	0.39	0.39	-0.21	0.05	0.13	0.30	1.05e-03	-0.02	-0.01	-5.94e-03	-0.01
		20	0.20	0.30	0.09	0.11	0.29	0.06	5.37e-03	-0.02	-0.01	-6.80e-04	9.78e-03
		7	0.20	0.24	-0.07	-0.07	0.24	-3.31e-03	0.01	-0.01	-9.19e-05	-1.74e-03	-0.01
11	54	5	0.49	0.41	-0.38	-0.09	0.11	0.38	0.02	-8.67e-03	3.89e-03	3.09e-03	0.01
		19	0.35	0.36	-0.18	0.04	0.14	0.26	5.29e-04	-0.02	-0.02	-6.24e-03	-0.01
		20	0.18	0.30	0.11	0.11	0.30	0.02	5.12e-03	-0.02	-0.01	-9.07e-04	9.83e-03



11	74	5	0.51	0.42	-0.40	-0.09	0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		19	0.37	0.37	-0.20	0.05	0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		20	0.19	0.30	0.10	0.11	0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		7	0.20	0.25	-0.07	-0.07	0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
11	75	5	0.51	0.42	-0.40	-0.09	0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		19	0.37	0.37	-0.20	0.05	0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		20	0.19	0.30	0.10	0.11	0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		7	0.20	0.25	-0.07	-0.07	0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
11	76	5	0.51	0.42	-0.40	-0.09	0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		19	0.37	0.37	-0.20	0.05	0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		20	0.19	0.30	0.10	0.11	0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		7	0.20	0.25	-0.07	-0.07	0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
12	1	7	0.26	0.32	-0.09	-0.09	0.32	0.03	0.01	-0.02	-4.36e-04	-2.34e-03	0.02
		20	0.25	0.39	0.13	0.14	0.38	-0.05	6.84e-03	-0.02	-0.01	-1.01e-03	-0.01
		21	0.48	0.49	-0.25	0.06	0.17	-0.37	1.04e-03	-0.03	-0.02	-7.89e-03	0.01
		9	0.67	0.55	-0.52	-0.11	0.14	-0.52	0.02	-0.01	5.67e-03	4.19e-03	-0.02
12	2	7	0.26	0.32	-0.09	-0.09	0.32	0.03	0.01	-0.02	-4.36e-04	-2.34e-03	0.02
		20	0.25	0.39	0.13	0.14	0.38	-0.05	6.84e-03	-0.02	-0.01	-1.01e-03	-0.01
		21	0.48	0.49	-0.25	0.06	0.17	-0.37	1.04e-03	-0.03	-0.02	-7.89e-03	0.01
		9	0.67	0.55	-0.52	-0.11	0.14	-0.52	0.02	-0.01	5.67e-03	4.19e-03	-0.02
12	3	7	0.20	0.25	-0.07	-0.07	0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		20	0.19	0.30	0.10	0.11	0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
		21	0.37	0.37	-0.20	0.05	0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		9	0.51	0.42	-0.40	-0.09	0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
12	4	7	0.20	0.25	-0.07	-0.07	0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		20	0.19	0.30	0.10	0.11	0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
		21	0.37	0.37	-0.20	0.05	0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		9	0.51	0.42	-0.40	-0.09	0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
12	5	7	0.20	0.25	-0.07	-0.07	0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		20	0.19	0.30	0.10	0.11	0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
		21	0.37	0.37	-0.20	0.05	0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		9	0.51	0.42	-0.40	-0.09	0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
12	6	7	0.20	0.25	-0.07	-0.07	0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		20	0.19	0.30	0.10	0.11	0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
		21	0.37	0.37	-0.20	0.05	0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		9	0.51	0.42	-0.40	-0.09	0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
12	7	7	22.24	33.78	-1.17	4.93	27.67	13.27	0.33	0.06	0.33	0.07	0.04
		20	21.19	32.85	0.99	4.99	28.85	-10.55	-0.02	-0.31	-0.28	-0.05	-0.08
		21	21.08	32.70	1.05	5.00	28.75	10.46	-0.04	-0.33	-0.31	-0.06	0.08
		9	22.27	33.79	-1.33	4.86	27.61	-13.38	0.35	0.06	0.35	0.07	-0.04
12	8	7	3.53	0.15	-5.26	-0.94	-4.17	-2.17	-1.24e-03	-0.07	-0.06	-8.77e-03	0.02
		20	3.15	-0.09	-4.91	-0.67	-4.33	1.56	0.04	3.53e-03	0.04	8.11e-03	-0.01
		21	3.54	0.11	-5.36	-0.77	-4.48	-2.01	0.03	-0.02	0.03	-0.02	4.18e-03
		9	3.25	-0.10	-4.99	-0.76	-4.33	1.67	-0.01	-0.08	-0.07	-0.03	-0.03
12	9	7	24.27	36.87	-1.27	5.39	30.20	14.49	0.36	0.07	0.36	0.08	0.05
		20	23.13	35.85	1.07	5.44	31.48	-11.53	-0.03	-0.34	-0.31	-0.05	-0.09
		21	23.03	35.72	1.13	5.46	31.39	11.45	-0.04	-0.36	-0.33	-0.07	0.09
		9	24.29	36.88	-1.42	5.31	30.14	-14.58	0.38	0.07	0.38	0.07	-0.04
12	10	7	1.51	0.05	-2.18	-0.48	-1.64	-0.95	0.01	-0.04	-0.03	-2.17e-03	0.02
		20	1.27	-0.01	-1.90	-0.22	-1.70	0.59	0.03	-0.01	0.01	3.64e-03	-0.02
		21	1.60	0.19	-2.36	-0.32	-1.85	-1.02	8.35e-03	-0.03	4.38e-03	-0.02	0.01
		9	1.24	-0.17	-1.94	-0.31	-1.80	0.47	1.49e-03	-0.06	-0.04	-0.02	-0.03
12	11	7	22.24	33.78	-1.17	4.93	27.67	13.27	0.33	0.06	0.33	0.07	0.04
		20	21.19	32.85	1.00	4.99	28.85	-10.55	-0.02	-0.31	-0.28	-0.05	-0.08
		21	21.08	32.71	1.05	5.01	28.76	10.46	-0.04	-0.33	-0.31	-0.06	0.08
		9	22.27	33.79	-1.32	4.86	27.61	-13.37	0.35	0.06	0.34	0.07	-0.04
12	12	7	3.53	0.15	-5.27	-0.94	-4.17	-2.17	-1.21e-03	-0.07	-0.06	-8.74e-03	0.02
		20	3.15	-0.10	-4.91	-0.67	-4.33	1.56	0.04	3.57e-03	0.04	8.13e-03	-0.01
		21	3.54	0.11	-5.37	-0.77	-4.49	-2.01	0.03	-0.02	0.03	-0.02	4.18e-03
		9	3.25	-0.10	-4.99	-0.76	-4.34	1.67	-0.01	-0.08	-0.07	-0.03	-0.03
12	13	7	24.27	36.87	-1.28	5.40	30.20	14.49	0.36	0.07	0.36	0.08	0.05
		20	23.13	35.85	1.08	5.44	31.48	-11.52	-0.03	-0.34	-0.31	-0.05	-0.09
		21	23.03	35.73	1.13	5.46	31.40	11.45	-0.04	-0.36	-0.33	-0.07	0.09
		9	24.29	36.87	-1.41	5.32	30.14	-14.57	0.38	0.07	0.38	0.07	-0.04
12	14	7	1.51	0.05	-2.18	-0.48	-1.65	-0.95	0.01	-0.04	-0.03	-2.14e-03	0.02
		20	1.27	-0.02	-1.91	-0.22	-1.70	0.59	0.03	-0.01	0.01	3.66e-03	-0.02
		21	1.60	0.20	-2.36	-0.32	-1.85	-1.03	8.67e-03	-0.03	4.74e-03	-0.02	0.01
		9	1.24	-0.17	-1.94	-0.31	-1.80	0.47	1.71e-03	-0.06	-0.03	-0.02	-0.03
12	15	7	22.24	33.78	-1.17	4.93	27.67	13.27	0.33	0.06	0.33	0.07	0.04
		20	21.19	32.85	0.99	4.99	28.85	-10.55	-0.02	-0.31	-0.28	-0.05	-0.08
		21	21.08	32.70	1.05	5.00	28.75	10.46	-0.04	-0.33	-0.31	-0.06	0.08
		9	22.27	33.79	-1.33	4.86	27.61	-13.38	0.35	0.06	0.35	0.07	-0.04
12	16	7	3.53	0.15	-5.26	-0.94	-4.17	-2.17	-1.26e-03	-0.07	-0.06	-8.77e-03	0.02
		20	3.15	-0.09	-4.91	-0.67	-4.33	1.56	0.04	3.53e-03	0.04	8.10e-03	-0.01
		21	3.54	0.11	-5.36	-0.77	-4.48	-2.01	0.03	-0.02	0.03	-0.02	4.19e-03
		9	3.25	-0.10	-4.99	-0.76	-4.33	1.67	-0.01	-0.08	-0.07	-0.03	-0.03
12	17	7	24.27	36.87	-1.27	5.39	30.20	14.49	0.36	0.07	0.36	0.08	0.05

	20	23.13	35.85	1.07	5.44	31.48	-11.53	-0.03	-0.34	-0.31	-0.05	-0.09	
	21	23.03	35.72	1.13	5.46	31.39	11.45	-0.04	-0.36	-0.33	-0.07	0.09	
	9	24.29	36.88	-1.42	5.31	30.14	-14.58	0.38	0.07	0.38	0.07	-0.04	
12	18	7	1.51	0.05	-2.18	-0.48	-1.64	-0.95	0.01	-0.04	-0.03	-2.17e-03	0.02
	20	1.27	-0.01	-1.90	-0.22	-1.70	0.59	0.03	-0.01	0.01	3.64e-03	-0.02	
	21	1.60	0.20	-2.36	-0.32	-1.85	-1.02	8.34e-03	-0.03	4.39e-03	-0.02	0.01	
	9	1.24	-0.17	-1.94	-0.31	-1.80	0.47	1.49e-03	-0.06	-0.04	-0.02	-0.03	
12	19	7	22.24	33.78	-1.17	4.93	27.67	13.27	0.33	0.06	0.33	0.07	0.04
	20	21.19	32.85	1.00	4.99	28.85	-10.55	-0.02	-0.31	-0.28	-0.05	-0.08	
	21	21.08	32.71	1.05	5.01	28.76	10.46	-0.04	-0.33	-0.31	-0.06	0.08	
	9	22.27	33.79	-1.32	4.86	27.61	-13.37	0.35	0.06	0.34	0.07	-0.04	
12	20	7	3.53	0.15	-5.27	-0.94	-4.17	-2.17	-1.23e-03	-0.07	-0.06	-8.74e-03	0.02
	20	3.15	-0.10	-4.91	-0.67	-4.33	1.56	0.04	3.57e-03	0.04	8.12e-03	-0.01	
	21	3.54	0.11	-5.37	-0.77	-4.49	-2.01	0.03	-0.02	0.03	-0.02	4.19e-03	
	9	3.25	-0.10	-4.99	-0.76	-4.34	1.67	-0.01	-0.08	-0.07	-0.03	-0.03	
12	21	7	24.27	36.87	-1.28	5.40	30.20	14.49	0.36	0.07	0.36	0.08	0.05
	20	23.13	35.85	1.08	5.44	31.48	-11.52	-0.03	-0.34	-0.31	-0.05	-0.09	
	21	23.03	35.73	1.13	5.46	31.40	11.45	-0.04	-0.36	-0.33	-0.07	0.09	
	9	24.29	36.87	-1.41	5.32	30.14	-14.57	0.38	0.07	0.38	0.07	-0.04	
12	22	7	1.51	0.05	-2.18	-0.48	-1.65	-0.95	0.01	-0.04	-0.03	-2.14e-03	0.02
	20	1.27	-0.02	-1.91	-0.22	-1.70	0.59	0.03	-0.01	0.01	3.66e-03	-0.02	
	21	1.60	0.20	-2.36	-0.32	-1.85	-1.03	8.66e-03	-0.03	4.74e-03	-0.02	0.01	
	9	1.24	-0.17	-1.94	-0.31	-1.80	0.47	1.71e-03	-0.06	-0.03	-0.02	-0.03	
12	23	7	84.51	128.52	-4.38	19.06	105.08	50.65	1.27	0.26	1.25	0.27	0.14
	20	80.48	124.73	3.49	18.78	109.44	-40.25	-0.10	-1.14	-1.06	-0.18	-0.28	
	21	80.82	125.18	3.35	19.00	109.54	40.76	-0.14	-1.21	-1.13	-0.23	0.29	
	9	84.10	128.12	-4.08	18.82	105.22	-50.03	1.32	0.23	1.31	0.24	-0.12	
12	24	7	1.31	0.06	-1.65	-0.53	-1.06	-0.81	0.05	-0.07	-0.04	0.01	0.06
	20	0.80	-0.08	-1.16	-0.10	-1.14	0.15	0.07	-0.04	0.02	5.47e-03	-0.05	
	21	1.20	0.19	-1.70	-0.26	-1.26	-0.80	5.44e-03	-0.08	-3.49e-03	-0.07	0.03	
	9	0.96	0.10	-1.27	0.09	-1.25	0.14	8.36e-03	-0.15	-0.06	-0.07	-0.08	
12	25	7	85.11	129.44	-4.41	19.20	105.84	51.01	1.28	0.26	1.26	0.28	0.14
	20	81.07	125.63	3.51	18.92	110.23	-40.54	-0.10	-1.15	-1.06	-0.18	-0.28	
	21	81.41	126.09	3.37	19.13	110.33	41.06	-0.14	-1.22	-1.13	-0.23	0.30	
	9	84.71	129.04	-4.11	18.96	105.98	-50.39	1.33	0.23	1.32	0.25	-0.12	
12	26	7	0.78	0.11	-0.80	-0.39	-0.30	-0.45	0.05	-0.07	-0.03	0.01	0.06
	20	0.48	0.09	-0.40	0.04	-0.35	-0.15	0.07	-0.05	0.01	4.12e-03	-0.06	
	21	0.69	0.24	-0.83	-0.12	-0.47	-0.51	-5.13e-04	-0.08	-0.01	-0.07	0.03	
	9	0.77	0.29	-0.55	0.23	-0.49	-0.22	0.02	-0.14	-0.06	-0.07	-0.08	
12	27	7	84.51	128.52	-4.38	19.06	105.08	50.65	1.27	0.26	1.25	0.27	0.14
	20	80.48	124.73	3.49	18.78	109.44	-40.25	-0.10	-1.14	-1.06	-0.18	-0.28	
	21	80.82	125.18	3.35	19.00	109.54	40.76	-0.14	-1.21	-1.13	-0.23	0.29	
	9	84.10	128.12	-4.08	18.82	105.22	-50.03	1.32	0.23	1.31	0.24	-0.12	
12	28	7	1.31	0.06	-1.65	-0.53	-1.06	-0.81	0.05	-0.07	-0.04	0.01	0.06
	20	0.80	-0.08	-1.16	-0.10	-1.14	0.15	0.07	-0.04	0.02	5.46e-03	-0.05	
	21	1.20	0.19	-1.70	-0.26	-1.26	-0.80	5.44e-03	-0.08	-3.49e-03	-0.07	0.03	
	9	0.96	0.10	-1.27	0.09	-1.25	0.14	8.36e-03	-0.15	-0.06	-0.07	-0.08	
12	29	7	85.11	129.44	-4.41	19.20	105.84	51.01	1.28	0.26	1.26	0.28	0.14
	20	81.07	125.63	3.51	18.92	110.23	-40.54	-0.10	-1.15	-1.06	-0.18	-0.28	
	21	81.41	126.09	3.37	19.13	110.33	41.06	-0.14	-1.22	-1.13	-0.23	0.30	
	9	84.71	129.04	-4.11	18.96	105.98	-50.39	1.33	0.23	1.32	0.25	-0.12	
12	30	7	0.78	0.11	-0.80	-0.39	-0.30	-0.45	0.05	-0.07	-0.03	0.01	0.06
	20	0.48	0.09	-0.40	0.04	-0.35	-0.15	0.07	-0.05	0.01	4.13e-03	-0.06	
	21	0.69	0.24	-0.83	-0.12	-0.47	-0.51	-5.16e-04	-0.08	-0.01	-0.07	0.03	
	9	0.77	0.29	-0.55	0.23	-0.49	-0.22	0.02	-0.14	-0.06	-0.07	-0.08	
12	31	7	84.52	128.53	-4.38	19.06	105.09	50.66	1.27	0.26	1.25	0.27	0.14
	20	80.48	124.73	3.50	18.78	109.45	-40.24	-0.10	-1.14	-1.06	-0.18	-0.28	
	21	80.84	125.20	3.35	19.00	109.55	40.77	-0.14	-1.21	-1.13	-0.23	0.29	
	9	84.10	128.12	-4.06	18.83	105.23	-50.01	1.32	0.23	1.31	0.24	-0.12	
12	32	7	1.32	0.07	-1.67	-0.53	-1.07	-0.83	0.05	-0.07	-0.04	0.01	0.06
	20	0.80	-0.08	-1.17	-0.10	-1.15	0.13	0.07	-0.04	0.02	5.53e-03	-0.05	
	21	1.22	0.19	-1.72	-0.26	-1.27	-0.81	6.51e-03	-0.08	-2.31e-03	-0.07	0.03	
	9	0.97	0.10	-1.27	0.08	-1.26	0.13	9.21e-03	-0.15	-0.06	-0.07	-0.08	
12	33	7	85.13	129.46	-4.41	19.20	105.85	51.03	1.28	0.26	1.26	0.28	0.14
	20	81.06	125.63	3.53	18.92	110.24	-40.53	-0.10	-1.15	-1.06	-0.18	-0.28	
	21	81.42	126.11	3.37	19.14	110.34	41.07	-0.14	-1.22	-1.14	-0.23	0.30	
	9	84.70	129.04	-4.09	18.96	105.99	-50.37	1.33	0.23	1.32	0.25	-0.12	
12	34	7	0.79	0.11	-0.81	-0.39	-0.31	-0.46	0.05	-0.07	-0.03	0.01	0.06
	20	0.49	0.09	-0.41	0.04	-0.36	-0.16	0.07	-0.05	0.02	4.19e-03	-0.06	
	21	0.71	0.24	-0.85	-0.13	-0.48	-0.52	5.33e-04	-0.08	-0.01	-0.07	0.03	
	9	0.78	0.29	-0.56	0.22	-0.50	-0.23	0.02	-0.14	-0.05	-0.07	-0.08	
12	35	7	84.52	128.53	-4.38	19.06	105.09	50.66	1.27	0.26	1.25	0.27	0.14
	20	80.48	124.73	3.50	18.78	109.45	-40.24	-0.10	-1.14	-1.06	-0.18	-0.28	
	21	80.84	125.20	3.35	19.00	109.55	40.77	-0.14	-1.21	-1.13	-0.23	0.29	
	9	84.10	128.12	-4.06	18.83	105.23	-50.01	1.32	0.23	1.31	0.24	-0.12	
12	36	7	1.32	0.07	-1.67	-0.53	-1.07	-0.83	0.05	-0.07	-0.04	0.01	0.06
	20	0.80	-0.08	-1.17	-0.10	-1.15	0.13	0.07	-0.04	0.02	5.53e-03	-0.05	

	21	1.22	0.19	-1.72	-0.26	-1.27	-0.81	6.51e-03	-0.08	-2.31e-03	-0.07	0.03	
	9	0.97	0.10	-1.27	0.08	-1.26	0.13	9.21e-03	-0.15	-0.06	-0.07	-0.08	
12	37	7	85.13	129.46	-4.41	19.20	105.85	51.03	1.28	0.26	1.26	0.28	0.14
	20	81.06	125.63	3.53	18.92	110.24	-40.53	-0.10	-1.15	-1.06	-0.18	-0.28	
	21	81.42	126.11	3.37	19.14	110.34	41.07	-0.14	-1.22	-1.14	-0.23	0.30	
	9	84.70	129.04	-4.09	18.96	105.99	-50.37	1.33	0.23	1.32	0.25	-0.12	
12	38	7	0.79	0.11	-0.81	-0.39	-0.31	-0.46	0.05	-0.07	-0.03	0.01	0.06
	20	0.49	0.09	-0.41	0.04	-0.36	-0.16	0.07	-0.05	0.02	4.19e-03	-0.06	
	21	0.71	0.24	-0.85	-0.13	-0.48	-0.52	5.30e-04	-0.08	-0.01	-0.07	0.03	
	9	0.78	0.29	-0.57	0.22	-0.50	-0.23	0.02	-0.14	-0.05	-0.07	-0.08	
12	39	7	0.21	0.25	-0.08	-0.07	0.25	0.04	0.01	-0.01	-5.11e-04	-1.86e-03	0.01
	20	0.18	0.30	0.11	0.11	0.29	-0.03	5.17e-03	-0.02	-0.01	-8.66e-04	-9.84e-03	
	21	0.35	0.36	-0.18	0.04	0.14	-0.27	6.12e-04	-0.02	-0.02	-6.18e-03	0.01	
	9	0.50	0.41	-0.39	-0.09	0.11	-0.39	0.02	-8.58e-03	4.05e-03	3.14e-03	-0.01	
12	40	7	0.20	0.24	-0.07	-0.07	0.24	4.58e-03	0.01	-0.01	-1.51e-04	-1.73e-03	0.01
	20	0.20	0.31	0.09	0.11	0.29	-0.06	5.38e-03	-0.02	-0.01	-6.53e-04	-9.78e-03	
	21	0.39	0.39	-0.21	0.05	0.13	-0.30	1.03e-03	-0.02	-0.01	-5.92e-03	0.01	
	9	0.53	0.44	-0.42	-0.09	0.11	-0.42	0.02	-8.24e-03	4.71e-03	3.33e-03	-0.01	
12	41	7	0.21	0.25	-0.08	-0.07	0.25	0.04	0.01	-0.01	-5.19e-04	-1.88e-03	0.01
	20	0.18	0.30	0.11	0.11	0.29	-0.03	5.14e-03	-0.02	-0.01	-9.01e-04	-9.83e-03	
	21	0.35	0.36	-0.18	0.04	0.14	-0.27	5.81e-04	-0.02	-0.02	-6.22e-03	0.01	
	9	0.50	0.41	-0.39	-0.09	0.11	-0.39	0.02	-8.61e-03	4.02e-03	3.12e-03	-0.01	
12	42	7	0.20	0.24	-0.07	-0.07	0.24	4.64e-03	0.01	-0.01	-1.59e-04	-1.75e-03	0.01
	20	0.20	0.31	0.09	0.11	0.29	-0.06	5.35e-03	-0.02	-0.01	-6.88e-04	-9.78e-03	
	21	0.39	0.39	-0.21	0.05	0.13	-0.30	9.95e-04	-0.02	-0.01	-5.96e-03	0.01	
	9	0.53	0.44	-0.42	-0.09	0.11	-0.42	0.02	-8.27e-03	4.68e-03	3.30e-03	-0.01	
12	43	7	0.21	0.25	-0.08	-0.07	0.25	0.04	0.01	-0.01	-5.78e-04	-1.87e-03	0.01
	20	0.18	0.30	0.11	0.11	0.30	-0.02	5.15e-03	-0.02	-0.01	-8.73e-04	-9.84e-03	
	21	0.35	0.36	-0.18	0.05	0.14	-0.26	5.59e-04	-0.02	-0.02	-6.20e-03	0.01	
	9	0.49	0.41	-0.38	-0.09	0.11	-0.38	0.02	-8.65e-03	3.92e-03	3.12e-03	-0.01	
12	44	7	0.20	0.24	-0.07	-0.07	0.24	3.26e-03	0.01	-0.01	-8.43e-05	-1.72e-03	0.01
	20	0.20	0.30	0.09	0.11	0.29	-0.06	5.40e-03	-0.02	-0.01	-6.46e-04	-9.78e-03	
	21	0.39	0.39	-0.21	0.05	0.13	-0.30	1.08e-03	-0.02	-0.01	-5.90e-03	0.01	
	9	0.53	0.44	-0.42	-0.09	0.11	-0.42	0.02	-8.18e-03	4.84e-03	3.35e-03	-0.01	
12	45	7	0.21	0.25	-0.08	-0.07	0.25	0.04	0.01	-0.01	-5.86e-04	-1.89e-03	0.01
	20	0.18	0.30	0.11	0.11	0.30	-0.02	5.12e-03	-0.02	-0.01	-9.08e-04	-9.83e-03	
	21	0.35	0.36	-0.18	0.04	0.14	-0.26	5.28e-04	-0.02	-0.02	-6.24e-03	0.01	
	9	0.49	0.41	-0.38	-0.09	0.11	-0.38	0.02	-8.67e-03	3.89e-03	3.09e-03	-0.01	
12	46	7	0.20	0.24	-0.07	-0.07	0.24	3.32e-03	0.01	-0.01	-9.18e-05	-1.74e-03	0.01
	20	0.20	0.30	0.09	0.11	0.29	-0.06	5.37e-03	-0.02	-0.01	-6.81e-04	-9.78e-03	
	21	0.39	0.39	-0.21	0.05	0.13	-0.30	1.05e-03	-0.02	-0.01	-5.94e-03	0.01	
	9	0.53	0.44	-0.42	-0.09	0.11	-0.42	0.02	-8.21e-03	4.81e-03	3.33e-03	-0.01	
12	47	7	0.21	0.25	-0.08	-0.07	0.25	0.04	0.01	-0.01	-5.13e-04	-1.86e-03	0.01
	20	0.18	0.30	0.11	0.11	0.29	-0.03	5.17e-03	-0.02	-0.01	-8.68e-04	-9.83e-03	
	21	0.35	0.36	-0.18	0.04	0.14	-0.27	6.16e-04	-0.02	-0.02	-6.18e-03	0.01	
	9	0.50	0.41	-0.39	-0.09	0.11	-0.39	0.02	-8.59e-03	4.05e-03	3.14e-03	-0.01	
12	48	7	0.19	0.24	-0.07	-0.07	0.24	4.64e-03	0.01	-0.01	-1.53e-04	-1.73e-03	0.01
	20	0.20	0.31	0.09	0.11	0.29	-0.06	5.37e-03	-0.02	-0.01	-6.55e-04	-9.78e-03	
	21	0.39	0.39	-0.21	0.05	0.13	-0.30	1.03e-03	-0.02	-0.01	-5.92e-03	0.01	
	9	0.53	0.44	-0.42	-0.09	0.11	-0.42	0.02	-8.24e-03	4.71e-03	3.33e-03	-0.01	
12	49	7	0.21	0.25	-0.08	-0.07	0.25	0.04	0.01	-0.01	-5.17e-04	-1.88e-03	0.01
	20	0.18	0.30	0.11	0.11	0.29	-0.03	5.15e-03	-0.02	-0.01	-8.99e-04	-9.84e-03	
	21	0.35	0.36	-0.18	0.04	0.14	-0.27	5.78e-04	-0.02	-0.02	-6.22e-03	0.01	
	9	0.50	0.41	-0.39	-0.09	0.11	-0.39	0.02	-8.61e-03	4.02e-03	3.12e-03	-0.01	
12	50	7	0.20	0.24	-0.07	-0.07	0.24	4.58e-03	0.01	-0.01	-1.57e-04	-1.75e-03	0.01
	20	0.20	0.31	0.09	0.11	0.29	-0.06	5.35e-03	-0.02	-0.01	-6.86e-04	-9.78e-03	
	21	0.39	0.39	-0.21	0.05	0.13	-0.30	9.92e-04	-0.02	-0.01	-5.96e-03	0.01	
	9	0.53	0.44	-0.42	-0.09	0.11	-0.42	0.02	-8.27e-03	4.68e-03	3.30e-03	-0.01	
12	51	7	0.21	0.25	-0.08	-0.07	0.25	0.04	0.01	-0.01	-5.80e-04	-1.87e-03	0.01
	20	0.18	0.30	0.11	0.11	0.30	-0.02	5.14e-03	-0.02	-0.01	-8.75e-04	-9.83e-03	
	21	0.35	0.36	-0.18	0.05	0.14	-0.26	5.63e-04	-0.02	-0.02	-6.20e-03	0.01	
	9	0.49	0.41	-0.38	-0.09	0.11	-0.38	0.02	-8.65e-03	3.92e-03	3.12e-03	-0.01	
12	52	7	0.20	0.24	-0.07	-0.07	0.24	3.31e-03	0.01	-0.01	-8.58e-05	-1.72e-03	0.01
	20	0.20	0.30	0.09	0.11	0.29	-0.06	5.40e-03	-0.02	-0.01	-6.48e-04	-9.78e-03	
	21	0.39	0.39	-0.21	0.05	0.13	-0.30	1.08e-03	-0.02	-0.01	-5.90e-03	0.01	
	9	0.53	0.44	-0.42	-0.09	0.11	-0.42	0.02	-8.18e-03	4.84e-03	3.35e-03	-0.01	
12	53	7	0.21	0.25	-0.08	-0.07	0.25	0.04	0.01	-0.01	-5.84e-04	-1.89e-03	0.01
	20	0.18	0.30	0.11	0.11	0.30	-0.02	5.12e-03	-0.02	-0.01	-9.06e-04	-9.84e-03	
	21	0.35	0.36	-0.18	0.04	0.14	-0.26	5.25e-04	-0.02	-0.02	-6.24e-03	0.01	
	9	0.49	0.41	-0.39	-0.09	0.11	-0.38	0.02	-8.67e-03	3.89e-03	3.09e-03	-0.01	
12	54	7	0.20	0.24	-0.07	-0.07	0.24	3.26e-03	0.01	-0.01	-9.03e-05	-1.74e-03	0.01
	20	0.20	0.30	0.09	0.11	0.29	-0.06	5.38e-03	-0.02	-0.01	-6.79e-04	-9.78e-03	
	21	0.39	0.39	-0.21	0.05	0.13	-0.30	1.05e-03	-0.02	-0.01	-5.94e-03	0.01	
	9	0.53	0.44	-0.42	-0.09	0.11	-0.42	0.02	-8.21e-03	4.81e-03	3.33e-03	-0.01	
12	55	7	0.23	0.26	-0.09	-0.07	0.25	0.07	0.01	-0.01	-9.34e-04	-2.02e-03	0.01
	20	0.18	0.30	0.11	0.11	0.30	0.01	4.92e-03	-0.02	-0.01	-1.13e-03	-9.90e-03	
	21	0.31	0.33	-0.14	0.04	0.14	-0.23	1.23e-04	-0.02	-0.02	-6.50e-03	0.01	



12	75	7	0.20	0.25	-0.07	-0.07	0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		20	0.19	0.30	0.10	0.11	0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
		21	0.37	0.37	-0.20	0.05	0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		9	0.51	0.42	-0.40	-0.09	0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
12	76	7	0.20	0.25	-0.07	-0.07	0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		20	0.19	0.30	0.10	0.11	0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
		21	0.37	0.37	-0.20	0.05	0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		9	0.51	0.42	-0.40	-0.09	0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
13	1	9	0.63	0.66	-0.39	-0.04	0.31	-0.49	1.07e-03	-0.01	-3.48e-03	-9.06e-03	6.80e-03
		21	0.57	0.72	-0.21	0.15	0.37	-0.45	4.63e-03	-7.31e-03	-4.15e-03	1.47e-03	-5.26e-03
		22	0.68	0.49	-0.69	-0.06	-0.14	-0.59	-2.77e-03	-0.01	-0.01	-6.33e-03	5.16e-03
		11	0.84	0.64	-0.81	-0.05	-0.12	-0.73	0.02	1.91e-04	5.92e-03	9.52e-03	-7.31e-03
13	2	9	0.63	0.66	-0.39	-0.04	0.31	-0.49	1.07e-03	-0.01	-3.48e-03	-9.06e-03	6.80e-03
		21	0.57	0.72	-0.21	0.15	0.37	-0.45	4.63e-03	-7.31e-03	-4.15e-03	1.47e-03	-5.26e-03
		22	0.68	0.49	-0.69	-0.06	-0.14	-0.59	-2.77e-03	-0.01	-0.01	-6.33e-03	5.16e-03
		11	0.84	0.64	-0.81	-0.05	-0.12	-0.73	0.02	1.91e-04	5.92e-03	9.52e-03	-7.31e-03
13	3	9	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		21	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
13	4	9	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		21	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
13	5	9	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		21	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
13	6	9	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		21	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
13	7	9	22.06	33.61	-0.97	4.91	27.73	12.99	0.33	0.06	0.32	0.06	0.05
		21	21.37	33.10	0.88	5.04	28.94	-10.80	-0.03	-0.31	-0.29	-0.05	-0.07
		22	20.81	32.40	1.17	4.95	28.62	10.19	-0.05	-0.33	-0.31	-0.07	0.08
		11	22.48	33.92	-1.62	4.83	27.47	-13.70	0.35	0.06	0.35	0.07	-0.04
13	8	9	3.66	0.42	-5.40	-0.77	-4.21	-2.35	-5.96e-03	-0.12	-0.12	-7.17e-03	-0.01
		21	3.10	-0.25	-4.84	-0.80	-4.29	1.48	0.10	-0.03	0.08	-5.74e-03	-0.05
		22	4.35	0.43	-5.74	-0.59	-4.72	-2.29	0.20	-6.79e-03	0.01	0.18	0.06
		11	3.14	-0.49	-5.03	-1.00	-4.52	1.44	0.06	-0.02	-0.01	0.04	0.03
13	9	9	24.11	36.71	-1.09	5.36	30.26	14.22	0.36	0.06	0.35	0.07	0.05
		21	23.30	36.10	0.96	5.49	31.58	-11.77	-0.04	-0.34	-0.31	-0.06	-0.08
		22	22.76	35.42	1.25	5.41	31.26	11.17	-0.06	-0.36	-0.34	-0.08	0.09
		11	24.51	37.02	-1.73	5.27	30.01	-14.91	0.39	0.07	0.38	0.07	-0.05
13	10	9	1.63	0.32	-2.31	-0.32	-1.67	-1.12	8.55e-05	-0.09	-0.09	-5.93e-04	-7.69e-03
		21	1.23	-0.17	-1.83	-0.34	-1.65	0.52	0.09	-0.04	0.06	-0.01	-0.06
		22	2.48	0.53	-2.73	-0.13	-2.07	-1.31	0.20	-0.04	-0.01	0.17	0.07
		11	1.25	-0.52	-2.01	-0.55	-1.98	0.22	0.06	5.71e-03	0.02	0.05	0.02
13	11	9	22.06	33.61	-0.97	4.91	27.73	12.99	0.33	0.06	0.32	0.06	0.05
		21	21.37	33.10	0.88	5.04	28.94	-10.80	-0.03	-0.31	-0.29	-0.05	-0.07
		22	20.82	32.41	1.17	4.96	28.63	10.19	-0.05	-0.34	-0.31	-0.07	0.08
		11	22.48	33.93	-1.62	4.83	27.48	-13.70	0.35	0.06	0.35	0.07	-0.04
13	12	9	3.66	0.42	-5.41	-0.78	-4.21	-2.35	-5.81e-03	-0.12	-0.12	-7.03e-03	-0.01
		21	3.10	-0.26	-4.84	-0.80	-4.30	1.48	0.10	-0.03	0.08	-5.59e-03	-0.05
		22	4.36	0.42	-5.75	-0.60	-4.73	-2.29	0.20	-6.13e-03	0.01	0.18	0.06
		11	3.14	-0.49	-5.03	-1.00	-4.52	1.44	0.06	-0.02	-0.01	0.04	0.03
13	13	9	24.11	36.72	-1.08	5.37	30.27	14.22	0.36	0.06	0.35	0.07	0.05
		21	23.31	36.11	0.97	5.49	31.58	-11.77	-0.04	-0.34	-0.31	-0.06	-0.08
		22	22.77	35.43	1.26	5.42	31.27	11.17	-0.06	-0.36	-0.34	-0.08	0.09
		11	24.51	37.02	-1.73	5.28	30.02	-14.91	0.39	0.07	0.38	0.07	-0.05
13	14	9	1.63	0.31	-2.31	-0.32	-1.68	-1.12	2.32e-04	-0.09	-0.09	-4.53e-04	-7.70e-03
		21	1.23	-0.17	-1.84	-0.35	-1.66	0.51	0.09	-0.04	0.06	-0.01	-0.06
		22	2.49	0.52	-2.74	-0.14	-2.08	-1.31	0.20	-0.04	-0.01	0.17	0.07
		11	1.26	-0.52	-2.02	-0.56	-1.98	0.22	0.06	6.30e-03	0.02	0.05	0.02
13	15	9	22.06	33.61	-0.97	4.91	27.73	12.99	0.33	0.06	0.32	0.06	0.05
		21	21.37	33.10	0.88	5.04	28.94	-10.80	-0.03	-0.31	-0.29	-0.05	-0.07
		22	20.81	32.40	1.17	4.95	28.62	10.19	-0.05	-0.33	-0.31	-0.07	0.08
		11	22.48	33.92	-1.62	4.83	27.47	-13.70	0.35	0.06	0.35	0.07	-0.05
13	16	9	3.66	0.42	-5.40	-0.77	-4.21	-2.35	-5.96e-03	-0.12	-0.12	-7.18e-03	-0.01
		21	3.10	-0.25	-4.84	-0.80	-4.29	1.48	0.10	-0.03	0.08	-5.74e-03	-0.05
		22	4.35	0.43	-5.74	-0.59	-4.72	-2.29	0.20	-6.79e-03	0.01	0.18	0.06
		11	3.14	-0.49	-5.03	-1.00	-4.52	1.44	0.06	-0.02	-0.01	0.04	0.03
13	17	9	24.11	36.71	-1.09	5.36	30.26	14.22	0.36	0.06	0.35	0.07	0.05
		21	23.30	36.10	0.96	5.49	31.58	-11.77	-0.04	-0.34	-0.31	-0.06	-0.08
		22	22.76	35.42	1.25	5.41	31.26	11.17	-0.06	-0.36	-0.34	-0.08	0.09
		11	24.51	37.02	-1.73	5.27	30.01	-14.91	0.39	0.07	0.38	0.07	-0.05
13	18	9	1.63	0.32	-2.31	-0.32	-1.67	-1.12	8.29e-05	-0.09	-0.09	-5.90e-04	-7.66e-03

		21	1.23	-0.17	-1.83	-0.34	-1.65	0.52	0.09	-0.04	0.06	-0.01	-0.06
		22	2.48	0.53	-2.73	-0.13	-2.07	-1.31	0.20	-0.04	-0.01	0.17	0.07
		11	1.25	-0.52	-2.01	-0.55	-1.98	0.22	0.06	5.70e-03	0.02	0.05	0.02
13	19	9	22.06	33.61	-0.97	4.91	27.73	12.99	0.33	0.06	0.32	0.06	0.05
		21	21.37	33.10	0.88	5.04	28.94	-10.80	-0.03	-0.31	-0.29	-0.05	-0.07
		22	20.82	32.41	1.17	4.96	28.63	10.19	-0.05	-0.34	-0.31	-0.07	0.08
		11	22.48	33.93	-1.62	4.83	27.48	-13.70	0.35	0.06	0.35	0.07	-0.05
13	20	9	3.66	0.42	-5.41	-0.78	-4.21	-2.35	-5.81e-03	-0.12	-0.12	-7.04e-03	-0.01
		21	3.10	-0.26	-4.84	-0.80	-4.30	1.48	0.10	-0.03	0.08	-5.59e-03	-0.05
		22	4.36	0.42	-5.75	-0.60	-4.73	-2.29	0.20	-6.13e-03	0.01	0.18	0.06
		11	3.14	-0.49	-5.03	-1.00	-4.52	1.44	0.06	-0.02	-0.01	0.04	0.03
13	21	9	24.11	36.72	-1.08	5.37	30.27	14.22	0.36	0.06	0.35	0.07	0.05
		21	23.31	36.11	0.97	5.49	31.58	-11.77	-0.04	-0.34	-0.31	-0.06	-0.08
		22	22.77	35.43	1.26	5.42	31.27	11.17	-0.06	-0.36	-0.34	-0.08	-0.09
		11	24.51	37.02	-1.73	5.28	30.02	-14.91	0.39	0.07	0.38	0.07	-0.05
13	22	9	1.63	0.31	-2.31	-0.32	-1.68	-1.12	2.29e-04	-0.09	-0.09	-4.50e-04	-7.67e-03
		21	1.23	-0.17	-1.84	-0.35	-1.66	0.51	0.09	-0.04	0.06	-0.01	-0.06
		22	2.49	0.52	-2.74	-0.14	-2.08	-1.31	0.20	-0.04	-0.01	0.17	0.07
		11	1.26	-0.52	-2.02	-0.56	-1.98	0.22	0.06	6.29e-03	0.02	0.05	0.02
13	23	9	84.79	128.73	-4.57	18.84	105.32	50.72	1.28	0.24	1.25	0.27	0.17
		21	80.65	125.12	3.61	18.93	109.81	-40.33	-0.13	-1.16	-1.08	-0.21	-0.27
		22	80.47	124.96	3.79	19.06	109.68	40.22	-0.19	-1.25	-1.16	-0.27	0.29
		11	84.74	128.70	-4.86	18.56	105.28	-50.80	1.34	0.22	1.32	0.24	-0.16
13	24	9	1.18	0.06	-1.28	-0.09	-1.13	-0.42	0.03	-0.23	-0.22	0.03	-0.03
		21	1.63	-0.08	-1.39	-0.52	-0.96	0.62	0.26	-0.16	0.14	-0.05	-0.19
		22	3.73	1.29	-2.14	0.59	-1.44	-1.38	0.65	-0.16	-0.08	0.58	0.23
		11	1.36	-0.69	-1.53	-0.86	-1.36	-0.34	0.23	0.05	0.12	0.16	0.09
13	25	9	85.40	129.66	-4.60	18.98	106.08	51.09	1.28	0.24	1.26	0.27	0.17
		21	81.23	126.02	3.64	19.06	110.60	-40.62	-0.13	-1.17	-1.09	-0.21	-0.27
		22	81.06	125.86	3.81	19.20	110.48	40.51	-0.19	-1.26	-1.17	-0.27	0.29
		11	85.35	129.63	-4.90	18.70	106.04	-51.16	1.35	0.22	1.33	0.24	-0.16
13	26	9	0.77	0.05	-0.37	0.05	-0.37	-0.05	0.03	-0.22	-0.22	0.03	-0.03
		21	1.33	0.07	-0.62	-0.38	-0.16	0.33	0.25	-0.17	0.14	-0.05	-0.19
		22	3.20	1.33	-1.25	0.72	-0.64	-1.09	0.65	-0.17	-0.09	0.58	0.24
		11	1.41	0.05	-1.37	-0.72	-0.60	-0.71	0.23	0.06	0.13	0.16	0.09
13	27	9	84.79	128.73	-4.57	18.84	105.32	50.72	1.28	0.24	1.25	0.27	0.17
		21	80.65	125.12	3.61	18.93	109.81	-40.33	-0.13	-1.16	-1.08	-0.21	-0.27
		22	80.47	124.96	3.79	19.06	109.68	40.22	-0.19	-1.25	-1.16	-0.27	0.29
		11	84.74	128.70	-4.86	18.56	105.28	-50.80	1.34	0.22	1.32	0.24	-0.16
13	28	9	1.18	0.06	-1.28	-0.09	-1.13	-0.42	0.03	-0.23	-0.22	0.03	-0.03
		21	1.63	-0.08	-1.39	-0.52	-0.96	0.62	0.26	-0.16	0.14	-0.05	-0.19
		22	3.73	1.29	-2.14	0.59	-1.44	-1.38	0.65	-0.16	-0.08	0.58	0.23
		11	1.36	-0.69	-1.53	-0.86	-1.36	-0.34	0.23	0.05	0.12	0.16	0.09
13	29	9	85.40	129.66	-4.60	18.98	106.08	51.09	1.28	0.24	1.26	0.27	0.17
		21	81.23	126.02	3.64	19.06	110.60	-40.62	-0.13	-1.17	-1.09	-0.21	-0.27
		22	81.06	125.86	3.81	19.20	110.48	40.51	-0.19	-1.26	-1.17	-0.27	0.29
		11	85.35	129.63	-4.90	18.70	106.04	-51.16	1.35	0.22	1.33	0.24	-0.16
13	30	9	0.77	0.05	-0.37	0.05	-0.37	-0.05	0.03	-0.22	-0.22	0.03	-0.03
		21	1.33	0.07	-0.62	-0.38	-0.16	0.33	0.25	-0.17	0.14	-0.05	-0.19
		22	3.20	1.33	-1.25	0.72	-0.64	-1.09	0.65	-0.17	-0.09	0.58	0.24
		11	1.41	0.05	-1.37	-0.72	-0.60	-0.71	0.23	0.06	0.13	0.16	0.09
13	31	9	84.80	128.75	-4.55	18.86	105.34	50.72	1.27	0.24	1.24	0.27	0.17
		21	80.66	125.14	3.62	18.93	109.83	-40.32	-0.13	-1.16	-1.09	-0.21	-0.27
		22	80.49	124.99	3.80	19.08	109.71	40.23	-0.19	-1.25	-1.17	-0.27	0.29
		11	84.75	128.72	-4.85	18.57	105.29	-50.79	1.34	0.22	1.31	0.24	-0.16
13	32	9	1.18	0.04	-1.30	-0.11	-1.15	-0.42	0.03	-0.23	-0.22	0.03	-0.03
		21	1.63	-0.10	-1.41	-0.52	-0.98	0.61	0.26	-0.16	0.14	-0.05	-0.19
		22	3.74	1.27	-2.17	0.57	-1.47	-1.39	0.65	-0.16	-0.08	0.58	0.23
		11	1.37	-0.69	-1.55	-0.87	-1.38	-0.35	0.23	0.05	0.12	0.16	0.09
13	33	9	85.41	129.69	-4.59	19.00	106.10	51.09	1.28	0.24	1.25	0.27	0.17
		21	81.24	126.04	3.65	19.07	110.63	-40.61	-0.13	-1.17	-1.09	-0.21	-0.27
		22	81.07	125.89	3.83	19.22	110.50	40.52	-0.19	-1.26	-1.18	-0.27	0.29
		11	85.36	129.64	-4.88	18.71	106.06	-51.15	1.35	0.22	1.32	0.24	-0.16
13	34	9	0.77	0.04	-0.39	0.03	-0.39	-0.05	0.03	-0.22	-0.21	0.03	-0.03
		21	1.33	0.05	-0.63	-0.38	-0.19	0.32	0.26	-0.17	0.14	-0.05	-0.19
		22	3.21	1.31	-1.28	0.71	-0.67	-1.10	0.65	-0.16	-0.09	0.58	0.24
		11	1.42	0.04	-1.39	-0.73	-0.61	-0.71	0.23	0.06	0.13	0.16	0.09
13	35	9	84.80	128.75	-4.55	18.86	105.34	50.72	1.27	0.24	1.24	0.27	0.17
		21	80.66	125.14	3.62	18.93	109.83	-40.32	-0.13	-1.16	-1.09	-0.21	-0.27
		22	80.49	124.99	3.80	19.08	109.71	40.23	-0.19	-1.25	-1.17	-0.27	0.29
		11	84.75	128.72	-4.85	18.57	105.29	-50.79	1.34	0.22	1.31	0.24	-0.16
13	36	9	1.18	0.04	-1.30	-0.11	-1.15	-0.42	0.03	-0.23	-0.22	0.03	-0.03
		21	1.63	-0.10	-1.41	-0.52	-0.98	0.61	0.26	-0.16	0.14	-0.05	-0.19
		22	3.74	1.27	-2.17	0.57	-1.47	-1.39	0.65	-0.16	-0.08	0.58	0.23
		11	1.37	-0.69	-1.55	-0.87	-1.38	-0.35	0.23	0.05	0.12	0.16	0.09
13	37	9	85.41	129.69	-4.59	19.00	106.10	51.09	1.28	0.24	1.25	0.27	0.17
		21	81.24	126.04	3.65	19.07	110.63	-40.61	-0.13	-1.17	-1.09	-0.21	-0.27

		22	81.07	125.89	3.83	19.22	110.50	40.52	-0.19	-1.26	-1.18	-0.27	0.29
		11	85.36	129.65	-4.88	18.71	106.06	-51.15	1.35	0.22	1.32	0.24	-0.16
13	38	9	0.77	0.04	-0.39	0.03	-0.39	-0.05	0.03	-0.22	-0.21	0.03	-0.03
		21	1.33	0.05	-0.63	-0.38	-0.19	0.32	0.26	-0.17	0.14	-0.05	-0.19
		22	3.21	1.31	-1.28	0.71	-0.67	-1.10	0.65	-0.16	-0.09	0.58	0.24
		11	1.42	0.04	-1.39	-0.73	-0.61	-0.71	0.23	0.06	0.13	0.16	0.09
13	39	9	0.48	0.50	-0.29	-0.03	0.24	-0.37	4.39e-04	-0.01	-3.25e-03	-7.09e-03	5.27e-03
		21	0.43	0.55	-0.15	0.11	0.29	-0.34	3.31e-03	-6.06e-03	-3.76e-03	1.00e-03	-4.04e-03
		22	0.52	0.37	-0.52	-0.05	-0.10	-0.44	-2.42e-03	-0.01	-8.49e-03	-5.01e-03	3.96e-03
		11	0.64	0.49	-0.62	-0.04	-0.09	-0.55	0.01	-2.67e-04	3.93e-03	7.20e-03	-5.60e-03
13	40	9	0.49	0.51	-0.30	-0.03	0.24	-0.39	1.24e-03	-0.01	-2.10e-03	-6.85e-03	5.20e-03
		21	0.44	0.56	-0.17	0.11	0.28	-0.35	3.84e-03	-5.17e-03	-2.60e-03	1.27e-03	-4.07e-03
		22	0.53	0.38	-0.54	-0.05	-0.11	-0.46	-1.80e-03	-0.01	-7.22e-03	-4.71e-03	3.97e-03
		11	0.66	0.50	-0.63	-0.04	-0.09	-0.57	0.01	5.84e-04	5.20e-03	7.46e-03	-5.64e-03
13	41	9	0.48	0.50	-0.29	-0.03	0.24	-0.37	4.14e-04	-0.01	-3.27e-03	-7.09e-03	5.26e-03
		21	0.43	0.55	-0.15	0.11	0.29	-0.34	3.29e-03	-6.08e-03	-3.78e-03	9.92e-04	-4.03e-03
		22	0.52	0.37	-0.52	-0.05	-0.10	-0.44	-2.45e-03	-0.01	-8.53e-03	-5.03e-03	3.96e-03
		11	0.64	0.49	-0.62	-0.04	-0.09	-0.55	0.01	-3.01e-04	3.90e-03	7.18e-03	-5.61e-03
13	42	9	0.49	0.51	-0.30	-0.03	0.24	-0.39	1.22e-03	-0.01	-2.11e-03	-6.86e-03	5.19e-03
		21	0.44	0.56	-0.17	0.11	0.28	-0.35	3.82e-03	-5.19e-03	-2.62e-03	1.26e-03	-4.06e-03
		22	0.53	0.38	-0.54	-0.05	-0.11	-0.46	-1.82e-03	-0.01	-7.25e-03	-4.73e-03	3.98e-03
		11	0.66	0.50	-0.63	-0.04	-0.09	-0.57	0.01	5.51e-04	5.17e-03	7.45e-03	-5.64e-03
13	43	9	0.47	0.50	-0.29	-0.03	0.24	-0.37	2.76e-04	-0.01	-3.47e-03	-7.14e-03	5.27e-03
		21	0.43	0.55	-0.15	0.11	0.29	-0.34	3.21e-03	-6.25e-03	-3.99e-03	9.47e-04	-4.04e-03
		22	0.52	0.37	-0.52	-0.05	-0.10	-0.44	-2.55e-03	-0.01	-8.76e-03	-5.07e-03	3.96e-03
		11	0.64	0.49	-0.62	-0.04	-0.09	-0.55	0.01	-4.55e-04	3.67e-03	7.14e-03	-5.60e-03
13	44	9	0.49	0.51	-0.31	-0.03	0.23	-0.39	1.41e-03	-0.01	-1.87e-03	-6.80e-03	5.19e-03
		21	0.44	0.55	-0.17	0.11	0.27	-0.35	3.94e-03	-4.99e-03	-2.38e-03	1.32e-03	-4.07e-03
		22	0.53	0.38	-0.54	-0.05	-0.12	-0.46	-1.66e-03	-9.94e-03	-6.95e-03	-4.65e-03	3.98e-03
		11	0.66	0.50	-0.63	-0.04	-0.09	-0.57	0.01	7.61e-04	5.47e-03	7.52e-03	-5.64e-03
13	45	9	0.47	0.50	-0.29	-0.03	0.24	-0.37	2.51e-04	-0.01	-3.49e-03	-7.15e-03	5.26e-03
		21	0.43	0.55	-0.15	0.11	0.29	-0.34	3.20e-03	-6.26e-03	-4.01e-03	9.36e-04	-4.03e-03
		22	0.52	0.37	-0.52	-0.05	-0.10	-0.44	-2.57e-03	-0.01	-8.79e-03	-5.09e-03	3.96e-03
		11	0.64	0.49	-0.62	-0.04	-0.09	-0.55	0.01	-4.88e-04	3.64e-03	7.12e-03	-5.60e-03
13	46	9	0.49	0.51	-0.31	-0.03	0.23	-0.39	1.39e-03	-0.01	-1.89e-03	-6.81e-03	5.18e-03
		21	0.44	0.55	-0.17	0.11	0.27	-0.35	3.93e-03	-5.01e-03	-2.39e-03	1.31e-03	-4.06e-03
		22	0.53	0.38	-0.54	-0.05	-0.12	-0.46	-1.68e-03	-9.97e-03	-6.99e-03	-4.67e-03	3.98e-03
		11	0.66	0.50	-0.63	-0.04	-0.09	-0.57	0.01	7.29e-04	5.43e-03	7.51e-03	-5.65e-03
13	47	9	0.48	0.50	-0.29	-0.03	0.24	-0.37	4.28e-04	-0.01	-3.25e-03	-7.09e-03	5.26e-03
		21	0.43	0.55	-0.15	0.11	0.29	-0.34	3.30e-03	-6.06e-03	-3.76e-03	1.00e-03	-4.03e-03
		22	0.52	0.37	-0.52	-0.05	-0.10	-0.44	-2.42e-03	-0.01	-8.49e-03	-5.01e-03	3.96e-03
		11	0.64	0.49	-0.62	-0.04	-0.09	-0.55	0.01	-2.75e-04	3.93e-03	7.20e-03	-5.61e-03
13	48	9	0.49	0.51	-0.30	-0.03	0.24	-0.39	1.23e-03	-0.01	-2.09e-03	-6.85e-03	5.19e-03
		21	0.44	0.56	-0.17	0.11	0.28	-0.35	3.83e-03	-5.17e-03	-2.60e-03	1.27e-03	-4.06e-03
		22	0.53	0.38	-0.54	-0.05	-0.11	-0.46	-1.80e-03	-0.01	-7.22e-03	-4.72e-03	3.98e-03
		11	0.66	0.50	-0.63	-0.04	-0.09	-0.57	0.01	5.76e-04	5.20e-03	7.46e-03	-5.64e-03
13	49	9	0.48	0.50	-0.29	-0.03	0.24	-0.37	4.25e-04	-0.01	-3.27e-03	-7.09e-03	5.27e-03
		21	0.43	0.55	-0.15	0.11	0.29	-0.34	3.30e-03	-6.08e-03	-3.78e-03	9.94e-04	-4.04e-03
		22	0.52	0.37	-0.52	-0.05	-0.10	-0.44	-2.45e-03	-0.01	-8.52e-03	-5.03e-03	3.96e-03
		11	0.64	0.49	-0.62	-0.04	-0.09	-0.55	0.01	-2.93e-04	3.90e-03	7.18e-03	-5.60e-03
13	50	9	0.49	0.51	-0.30	-0.03	0.24	-0.39	1.23e-03	-0.01	-2.11e-03	-6.86e-03	5.20e-03
		21	0.44	0.56	-0.17	0.11	0.28	-0.35	3.82e-03	-5.19e-03	-2.62e-03	1.26e-03	-4.07e-03
		22	0.53	0.38	-0.54	-0.05	-0.11	-0.46	-1.82e-03	-0.01	-7.25e-03	-4.73e-03	3.97e-03
		11	0.66	0.50	-0.63	-0.04	-0.09	-0.57	0.01	5.59e-04	5.17e-03	7.45e-03	-5.64e-03
13	51	9	0.47	0.50	-0.29	-0.03	0.24	-0.37	2.65e-04	-0.01	-3.47e-03	-7.14e-03	5.26e-03
		21	0.43	0.55	-0.15	0.11	0.29	-0.34	3.21e-03	-6.25e-03	-3.99e-03	9.46e-04	-4.03e-03
		22	0.52	0.37	-0.52	-0.05	-0.10	-0.44	-2.55e-03	-0.01	-8.76e-03	-5.07e-03	3.96e-03
		11	0.64	0.49	-0.62	-0.04	-0.09	-0.55	0.01	-4.63e-04	3.67e-03	7.14e-03	-5.60e-03
13	52	9	0.49	0.51	-0.31	-0.03	0.23	-0.39	1.40e-03	-0.01	-1.87e-03	-6.80e-03	5.18e-03
		21	0.44	0.55	-0.17	0.11	0.27	-0.35	3.94e-03	-4.99e-03	-2.38e-03	1.32e-03	-4.06e-03
		22	0.53	0.38	-0.54	-0.05	-0.12	-0.46	-1.66e-03	-9.95e-03	-6.95e-03	-4.65e-03	3.98e-03
		11	0.66	0.50	-0.63	-0.04	-0.09	-0.57	0.01	7.53e-04	5.47e-03	7.52e-03	-5.65e-03
13	53	9	0.47	0.50	-0.29	-0.03	0.24	-0.37	2.62e-04	-0.01	-3.49e-03	-7.14e-03	5.27e-03
		21	0.43	0.55	-0.15	0.11	0.29	-0.34	3.20e-03	-6.27e-03	-4.01e-03	9.38e-04	-4.03e-03
		22	0.52	0.37	-0.52	-0.05	-0.10	-0.44	-2.57e-03	-0.01	-8.79e-03	-5.09e-03	3.96e-03
		11	0.64	0.49	-0.62	-0.04	-0.09	-0.55	0.01	-4.80e-04	3.64e-03	7.13e-03	-5.60e-03
13	54	9	0.49	0.51	-0.31	-0.03	0.23	-0.39	1.40e-03	-0.01	-1.89e-03	-6.80e-03	5.19e-03
		21	0.44	0.55	-0.17	0.11	0.27	-0.35	3.93e-03	-5.01e-03	-2.39e-03	1.31e-03	-4.07e-03
		22	0.53	0.38	-0.54	-0.05	-0.12	-0.46	-1.69e-03	-9.97e-03	-6.99e-03	-4.67e-03	3.98e-03
		11	0.66	0.50	-0.63	-0.04	-0.09	-0.57	0.01	7.37e-04	5.43e-03	7.51e-03	-5.64e-03
13	55	9	0.46	0.49	-0.28	-0.03	0.24	-0.36	-4.62e-04	-0.01	-4.60e-03	-7.37e-03	5.35e-03
		21	0.42	0.55	-0.13	0.12	0.30	-0.32	2.73e-03	-7.15e-03	-5.12e-03	6.91e-04	-4.00e-03
		22	0.50	0.36	-0.50	-0.05	-0.09	-0.43	-3.10e-03	-0.01	-9.99e-03	-5.36e-03	3.95e-03
		11	0.63	0.47	-0.60	-0.05	-0.09	-0.54	0.01	-1.32e-03	2.44e-03	6.88e-03	-5.56e-03
13	56	9	0.50	0.53	-0.32	-0.02	0.23	-0.40	2.22e-03	-9.55e-03	-7.56e-04	-6.58e-03	5.11e-03
		21	0.45	0.56	-0.19	0.11	0.26	-0.37	4.50e-03	-4.18e-03	-1.26e-03	1.57e-03	-4.10e-03
		22	0.55	0.39	-0.56	-0.05	-0.13	-0.47	-1.01e-03	-9.11e-03	-5.74e-03	-4.38e-03	3.99e-03

		11	0.67	0.52	-0.65	-0.03	-0.09	-0.58	0.01	1.51e-03	6.67e-03	7.77e-03	-5.68e-03
13	57	9	0.46	0.49	-0.28	-0.03	0.24	-0.36	-4.69e-04	-0.01	-4.61e-03	-7.37e-03	5.34e-03
		21	0.42	0.55	-0.13	0.12	0.30	-0.32	2.72e-03	-7.16e-03	-5.12e-03	6.88e-04	-4.00e-03
		22	0.50	0.36	-0.50	-0.05	-0.09	-0.43	-3.11e-03	-0.01	-1.00e-02	-5.37e-03	3.95e-03
		11	0.63	0.47	-0.60	-0.05	-0.09	-0.54	0.01	-1.33e-03	2.43e-03	6.88e-03	-5.56e-03
13	58	9	0.50	0.53	-0.32	-0.02	0.23	-0.40	2.21e-03	-9.55e-03	-7.62e-04	-6.58e-03	5.11e-03
		21	0.45	0.56	-0.19	0.11	0.26	-0.37	4.49e-03	-4.19e-03	-1.27e-03	1.57e-03	-4.10e-03
		22	0.55	0.39	-0.56	-0.05	-0.13	-0.47	-1.02e-03	-9.12e-03	-5.76e-03	-4.38e-03	3.99e-03
		11	0.67	0.52	-0.65	-0.03	-0.09	-0.58	0.01	1.50e-03	6.66e-03	7.76e-03	-5.68e-03
13	59	9	0.46	0.49	-0.28	-0.03	0.24	-0.36	-4.65e-04	-0.01	-4.60e-03	-7.37e-03	5.34e-03
		21	0.42	0.55	-0.13	0.12	0.30	-0.32	2.73e-03	-7.15e-03	-5.12e-03	6.91e-04	-4.00e-03
		22	0.50	0.36	-0.50	-0.05	-0.09	-0.43	-3.10e-03	-0.01	-9.99e-03	-5.36e-03	3.95e-03
		11	0.63	0.47	-0.60	-0.05	-0.09	-0.54	0.01	-1.33e-03	2.44e-03	6.88e-03	-5.56e-03
13	60	9	0.50	0.53	-0.32	-0.02	0.23	-0.40	2.21e-03	-9.55e-03	-7.56e-04	-6.58e-03	5.11e-03
		21	0.45	0.56	-0.19	0.11	0.26	-0.37	4.49e-03	-4.18e-03	-1.26e-03	1.57e-03	-4.10e-03
		22	0.55	0.39	-0.56	-0.05	-0.13	-0.47	-1.01e-03	-9.11e-03	-5.75e-03	-4.38e-03	3.99e-03
		11	0.67	0.52	-0.65	-0.03	-0.09	-0.58	0.01	1.51e-03	6.67e-03	7.77e-03	-5.68e-03
13	61	9	0.46	0.49	-0.28	-0.03	0.24	-0.36	-4.66e-04	-0.01	-4.61e-03	-7.37e-03	5.35e-03
		21	0.42	0.55	-0.13	0.12	0.30	-0.32	2.73e-03	-7.16e-03	-5.12e-03	6.88e-04	-4.00e-03
		22	0.50	0.36	-0.50	-0.05	-0.09	-0.43	-3.11e-03	-0.01	-1.00e-02	-5.37e-03	3.95e-03
		11	0.63	0.47	-0.60	-0.05	-0.09	-0.54	0.01	-1.33e-03	2.43e-03	6.88e-03	-5.56e-03
13	62	9	0.50	0.53	-0.32	-0.02	0.23	-0.40	2.21e-03	-9.55e-03	-7.62e-04	-6.58e-03	5.11e-03
		21	0.45	0.56	-0.19	0.11	0.26	-0.37	4.49e-03	-4.19e-03	-1.27e-03	1.57e-03	-4.10e-03
		22	0.55	0.39	-0.56	-0.05	-0.13	-0.47	-1.02e-03	-9.12e-03	-5.75e-03	-4.38e-03	3.99e-03
		11	0.67	0.52	-0.65	-0.03	-0.09	-0.58	0.01	1.50e-03	6.66e-03	7.76e-03	-5.68e-03
13	63	9	0.46	0.49	-0.27	-0.03	0.25	-0.36	-9.72e-04	-0.01	-5.36e-03	-7.54e-03	5.37e-03
		21	0.42	0.55	-0.12	0.12	0.31	-0.32	2.43e-03	-7.80e-03	-5.88e-03	5.06e-04	-4.00e-03
		22	0.50	0.37	-0.49	-0.05	-0.08	-0.43	-3.47e-03	-0.01	-5.57e-03	-3.94e-03	3.94e-03
		11	0.62	0.47	-0.60	-0.04	-0.08	-0.54	0.01	-1.99e-03	1.56e-03	6.69e-03	-5.55e-03
13	64	9	0.50	0.52	-0.33	-0.03	0.23	-0.40	2.81e-03	-9.22e-03	0.0	-6.40e-03	5.09e-03
		21	0.45	0.56	-0.20	0.11	0.25	-0.37	4.88e-03	-3.63e-03	-5.01e-04	1.76e-03	-4.10e-03
		22	0.55	0.38	-0.57	-0.05	-0.14	-0.47	-5.00e-04	-8.53e-03	-4.86e-03	-4.17e-03	4.00e-03
		11	0.68	0.51	-0.65	-0.04	-0.10	-0.58	0.01	2.06e-03	7.55e-03	7.97e-03	-5.70e-03
13	65	9	0.46	0.49	-0.27	-0.03	0.25	-0.36	-9.79e-04	-0.01	-5.36e-03	-7.54e-03	5.36e-03
		21	0.42	0.55	-0.12	0.12	0.31	-0.32	2.43e-03	-7.80e-03	-5.88e-03	5.03e-04	-4.00e-03
		22	0.50	0.37	-0.49	-0.05	-0.08	-0.43	-3.48e-03	-0.01	-5.58e-03	-3.94e-03	3.94e-03
		11	0.62	0.47	-0.60	-0.04	-0.08	-0.54	0.01	-2.00e-03	1.55e-03	6.68e-03	-5.55e-03
13	66	9	0.50	0.52	-0.33	-0.03	0.23	-0.40	2.81e-03	-9.22e-03	-6.30e-06	-6.41e-03	5.09e-03
		21	0.45	0.56	-0.20	0.11	0.25	-0.37	4.88e-03	-3.63e-03	-5.06e-04	1.75e-03	-4.10e-03
		22	0.55	0.38	-0.57	-0.05	-0.14	-0.47	-5.07e-04	-8.54e-03	-4.87e-03	-4.17e-03	4.00e-03
		11	0.68	0.51	-0.65	-0.04	-0.10	-0.58	0.01	2.05e-03	7.54e-03	7.96e-03	-5.70e-03
13	67	9	0.46	0.49	-0.27	-0.03	0.25	-0.36	-9.75e-04	-0.01	-5.36e-03	-7.54e-03	5.36e-03
		21	0.42	0.55	-0.12	0.12	0.31	-0.32	2.43e-03	-7.80e-03	-5.88e-03	5.05e-04	-4.00e-03
		22	0.50	0.37	-0.49	-0.05	-0.08	-0.43	-3.47e-03	-0.01	-5.57e-03	-3.94e-03	3.94e-03
		11	0.62	0.47	-0.60	-0.04	-0.08	-0.54	0.01	-1.99e-03	1.56e-03	6.69e-03	-5.55e-03
13	68	9	0.50	0.52	-0.33	-0.03	0.23	-0.40	2.81e-03	-9.22e-03	0.0	-6.40e-03	5.09e-03
		21	0.45	0.56	-0.20	0.11	0.25	-0.37	4.88e-03	-3.63e-03	-5.01e-04	1.76e-03	-4.10e-03
		22	0.55	0.38	-0.57	-0.05	-0.14	-0.47	-5.00e-04	-8.53e-03	-4.86e-03	-4.17e-03	4.00e-03
		11	0.68	0.51	-0.65	-0.04	-0.10	-0.58	0.01	2.06e-03	7.55e-03	7.97e-03	-5.70e-03
13	69	9	0.46	0.49	-0.27	-0.03	0.25	-0.36	-9.76e-04	-0.01	-5.36e-03	-7.54e-03	5.37e-03
		21	0.42	0.55	-0.12	0.12	0.31	-0.32	2.43e-03	-7.80e-03	-5.88e-03	5.03e-04	-4.00e-03
		22	0.50	0.37	-0.49	-0.05	-0.08	-0.43	-3.48e-03	-0.01	-5.58e-03	-3.94e-03	3.94e-03
		11	0.62	0.47	-0.60	-0.04	-0.08	-0.54	0.01	-2.00e-03	1.55e-03	6.68e-03	-5.55e-03
13	70	9	0.50	0.52	-0.33	-0.03	0.23	-0.40	2.81e-03	-9.22e-03	-6.35e-06	-6.41e-03	5.09e-03
		21	0.45	0.56	-0.20	0.11	0.25	-0.37	4.88e-03	-3.63e-03	-5.06e-04	1.75e-03	-4.10e-03
		22	0.55	0.38	-0.57	-0.05	-0.14	-0.47	-5.07e-04	-8.53e-03	-4.87e-03	-4.17e-03	4.00e-03
		11	0.68	0.51	-0.65	-0.04	-0.10	-0.58	0.01	2.05e-03	7.54e-03	7.96e-03	-5.70e-03
13	71	9	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		21	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
13	72	9	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		21	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
13	73	9	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		21	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
13	74	9	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		21	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
13	75	9	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		21	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03

13	76	9	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		21	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
14	1	13	0.63	0.39	-0.66	0.04	-0.31	0.49	1.07e-03	-0.01	-3.49e-03	-9.06e-03	6.80e-03
		23	0.57	0.21	-0.72	-0.15	-0.37	0.45	4.63e-03	-7.31e-03	-4.15e-03	1.47e-03	-5.26e-03
		22	0.68	0.69	-0.49	0.06	0.14	0.59	-2.77e-03	-0.01	-0.01	-6.33e-03	5.16e-03
		11	0.84	0.81	-0.64	0.05	0.12	0.73	0.02	1.91e-04	5.92e-03	9.52e-03	-7.31e-03
14	2	13	0.63	0.39	-0.66	0.04	-0.31	0.49	1.07e-03	-0.01	-3.49e-03	-9.06e-03	6.80e-03
		23	0.57	0.21	-0.72	-0.15	-0.37	0.45	4.63e-03	-7.31e-03	-4.15e-03	1.47e-03	-5.26e-03
		22	0.68	0.69	-0.49	0.06	0.14	0.59	-2.77e-03	-0.01	-0.01	-6.33e-03	5.16e-03
		11	0.84	0.81	-0.64	0.05	0.12	0.73	0.02	1.91e-04	5.92e-03	9.52e-03	-7.31e-03
14	3	13	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		23	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
14	4	13	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		23	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
14	5	13	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		23	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
14	6	13	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		23	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
14	7	13	22.40	33.81	-1.59	4.97	27.25	13.75	-0.07	-0.33	-0.33	-0.08	-0.04
		23	20.65	32.12	1.06	4.81	28.37	-10.11	0.30	0.04	0.28	0.06	0.07
		22	21.47	33.20	0.68	5.05	28.83	11.09	0.31	0.04	0.29	0.06	-0.07
		11	21.71	33.24	-0.68	4.91	27.66	-12.58	-0.05	-0.34	-0.34	-0.05	0.03
14	8	13	3.57	-3.01	-5.53	-3.09	-5.45	0.45	0.22	-0.07	-0.04	0.19	-0.09
		23	7.05	2.00	-8.24	-0.48	-5.76	4.39	0.66	0.21	0.21	0.66	-0.02
		22	3.46	-0.09	-5.01	-0.79	-4.30	-1.73	-0.02	-0.36	-0.10	-0.29	0.14
		11	5.06	0.86	-6.08	-0.61	-4.61	2.84	0.24	-0.19	0.11	-0.07	0.20
14	9	13	24.45	36.91	-1.71	5.42	29.79	14.98	-0.08	-0.37	-0.36	-0.08	-0.04
		23	22.58	35.12	1.15	5.26	31.01	-11.08	0.33	0.04	0.31	0.06	0.07
		22	23.42	36.22	0.76	5.51	31.47	12.07	0.34	0.05	0.32	0.07	-0.08
		11	23.75	36.34	-0.78	5.36	30.20	-13.79	-0.05	-0.37	-0.37	-0.06	0.04
14	10	13	3.09	-1.09	-4.46	-2.64	-2.91	1.68	0.22	-0.10	-0.07	0.18	-0.10
		23	5.15	2.18	-5.33	-0.03	-3.12	3.42	0.67	0.24	0.24	0.67	-9.09e-03
		22	1.64	4.54e-03	-2.00	-0.33	-1.66	-0.75	-6.36e-03	-0.35	-0.07	-0.28	0.13
		11	3.10	0.76	-3.00	-0.17	-2.07	1.62	0.22	-0.21	0.08	-0.07	0.20
14	11	13	22.41	33.82	-1.59	4.97	27.26	13.75	-0.07	-0.33	-0.33	-0.08	-0.04
		23	20.65	32.12	1.07	4.81	28.38	-10.11	0.30	0.04	0.28	0.06	0.07
		22	21.48	33.21	0.68	5.05	28.84	11.09	0.32	0.05	0.30	0.07	-0.07
		11	21.71	33.25	-0.67	4.91	27.66	-12.58	-0.05	-0.34	-0.34	-0.05	0.03
14	12	13	3.57	-3.01	-5.54	-3.10	-5.45	0.45	0.22	-0.07	-0.04	0.19	-0.09
		23	7.05	1.99	-8.25	-0.49	-5.77	4.39	0.66	0.21	0.21	0.66	-0.02
		22	3.46	-0.09	-5.02	-0.80	-4.31	-1.73	-0.03	-0.36	-0.10	-0.29	0.14
		11	5.06	0.85	-6.08	-0.62	-4.61	2.83	0.24	-0.19	0.11	-0.07	0.20
14	13	13	24.45	36.92	-1.70	5.43	29.79	14.98	-0.08	-0.37	-0.36	-0.08	-0.04
		23	22.58	35.13	1.16	5.26	31.02	-11.08	0.33	0.04	0.31	0.06	0.07
		22	23.43	36.23	0.77	5.51	31.48	12.07	0.35	0.05	0.32	0.07	-0.08
		11	23.75	36.34	-0.78	5.36	30.20	-13.79	-0.05	-0.37	-0.37	-0.06	0.04
14	14	13	3.09	-1.10	-4.46	-2.64	-2.92	1.68	0.22	-0.10	-0.07	0.18	-0.10
		23	5.15	2.17	-5.33	-0.03	-3.13	3.42	0.67	0.24	0.24	0.67	-9.08e-03
		22	1.65	4.14e-05	-2.00	-0.34	-1.67	-0.75	-6.98e-03	-0.35	-0.07	-0.28	0.13
		11	3.10	0.76	-3.00	-0.17	-2.07	1.62	0.22	-0.21	0.08	-0.07	0.20
14	15	13	22.40	33.81	-1.59	4.97	27.25	13.75	-0.07	-0.33	-0.33	-0.08	-0.04
		23	20.65	32.12	1.06	4.81	28.37	-10.11	0.30	0.04	0.28	0.06	0.07
		22	21.47	33.20	0.68	5.05	28.83	11.09	0.31	0.04	0.29	0.06	-0.07
		11	21.71	33.24	-0.68	4.91	27.66	-12.58	-0.05	-0.34	-0.34	-0.05	0.03
14	16	13	3.57	-3.01	-5.53	-3.09	-5.45	0.45	0.22	-0.07	-0.04	0.19	-0.09
		23	7.05	2.00	-8.24	-0.48	-5.76	4.39	0.66	0.21	0.21	0.66	-0.02
		22	3.46	-0.09	-5.01	-0.79	-4.30	-1.73	-0.02	-0.36	-0.10	-0.29	0.14
		11	5.06	0.86	-6.08	-0.61	-4.61	2.84	0.24	-0.19	0.11	-0.07	0.20
14	17	13	24.45	36.91	-1.71	5.42	29.79	14.98	-0.08	-0.37	-0.36	-0.08	-0.04
		23	22.58	35.12	1.15	5.26	31.01	-11.08	0.33	0.04	0.31	0.06	0.07
		22	23.42	36.22	0.76	5.51	31.47	12.07	0.34	0.05	0.32	0.07	-0.08
		11	23.75	36.34	-0.78	5.36	30.20	-13.79	-0.05	-0.37	-0.37	-0.06	0.04
14	18	13	3.09	-1.09	-4.46	-2.64	-2.91	1.68	0.22	-0.10	-0.07	0.18	-0.10
		23	5.15	2.18	-5.33	-0.03	-3.12	3.42	0.67	0.24	0.24	0.67	-9.08e-03
		22	1.64	4.57e-03	-2.00	-0.33	-1.66	-0.75	-6.36e-03	-0.35	-0.07	-0.28	0.13
		11	3.10	0.76	-3.00	-0.17	-2.07	1.62	0.22	-0.21	0.08	-0.07	0.20
14	19	13	22.41	33.82	-1.59	4.97	27.26	13.75	-0.07	-0.33	-0.33	-0.08	-0.04

		23	20.65	32.12	1.07	4.81	28.38	-10.11	0.30	0.04	0.28	0.06	0.07
		22	21.48	33.21	0.68	5.05	28.84	11.09	0.32	0.05	0.30	0.07	-0.07
		11	21.71	33.25	-0.67	4.91	27.66	-12.58	-0.05	-0.34	-0.34	-0.05	0.03
14	20	13	3.57	-3.01	-5.54	-3.10	-5.45	0.45	0.22	-0.07	-0.04	0.19	-0.09
		23	7.05	1.99	-8.25	-0.49	-5.77	4.39	0.66	0.21	0.21	0.66	-0.02
		22	3.46	-0.09	-5.02	-0.80	-4.31	-1.73	-0.03	-0.36	-0.10	-0.29	0.14
		11	5.06	0.85	-6.08	-0.62	-4.61	2.83	0.24	-0.19	0.11	-0.07	0.20
14	21	13	24.45	36.92	-1.70	5.43	29.79	14.98	-0.08	-0.37	-0.36	-0.08	-0.04
		23	22.58	35.13	1.16	5.26	31.02	-11.08	0.33	0.04	0.31	0.06	0.07
		22	23.43	36.23	0.77	5.51	31.48	12.07	0.35	0.05	0.32	0.07	-0.08
		11	23.75	36.34	-0.78	5.36	30.20	-13.79	-0.05	-0.37	-0.37	-0.06	0.04
14	22	13	3.09	-1.10	-4.46	-2.64	-2.92	1.68	0.22	-0.10	-0.07	0.18	-0.10
		23	5.15	2.17	-5.33	-0.03	-3.13	3.42	0.67	0.24	0.24	0.67	-9.08e-03
		22	1.65	7.11e-05	-2.00	-0.34	-1.67	-0.75	-6.98e-03	-0.35	-0.07	-0.28	0.13
		11	3.10	0.76	-3.00	-0.17	-2.07	1.62	0.22	-0.21	0.08	-0.07	0.20
14	23	13	85.13	128.93	-5.18	18.90	104.85	51.48	-0.25	-1.28	-1.25	-0.28	-0.16
		23	79.93	124.14	3.80	18.70	109.24	-39.64	1.15	0.14	1.08	0.21	0.26
		22	81.13	125.76	3.30	19.16	109.89	41.12	1.23	0.18	1.15	0.26	-0.28
		11	83.97	128.02	-3.92	18.65	105.46	-49.68	-0.21	-1.33	-1.31	-0.23	0.14
14	24	13	10.43	1.34	-13.45	-7.95	-4.16	7.14	0.73	-0.40	-0.28	0.61	-0.35
		23	12.52	7.39	-10.86	1.06	-4.53	8.69	2.23	0.86	0.86	2.23	-8.11e-03
		22	4.07	1.19	-2.05	-0.32	-0.54	-1.62	0.03	-1.11	-0.16	-0.92	0.42
		11	5.44	1.14	-2.99	0.24	-2.08	1.71	0.68	-0.76	0.20	-0.27	0.68
14	25	13	85.75	129.87	-5.22	19.04	105.61	51.85	-0.26	-1.29	-1.26	-0.28	-0.16
		23	80.51	125.04	3.83	18.84	110.03	-39.93	1.16	0.14	1.09	0.21	0.26
		22	81.72	126.66	3.32	19.30	110.69	41.42	1.24	0.18	1.16	0.26	-0.28
		11	84.58	128.95	-3.95	18.78	106.22	-50.04	-0.21	-1.34	-1.32	-0.23	0.15
14	26	13	10.70	2.23	-13.44	-7.81	-3.40	7.51	0.73	-0.41	-0.29	0.61	-0.35
		23	11.96	7.48	-10.03	1.19	-3.73	8.40	2.23	0.86	0.86	2.23	-6.18e-03
		22	4.03	1.38	-1.31	-0.18	0.25	-1.32	0.03	-1.10	-0.15	-0.92	0.42
		11	4.89	1.12	-2.06	0.37	-1.32	1.35	0.68	-0.77	0.19	-0.28	0.68
14	27	13	85.13	128.93	-5.18	18.90	104.85	51.48	-0.25	-1.28	-1.25	-0.28	-0.16
		23	79.93	124.14	3.80	18.70	109.24	-39.64	1.15	0.14	1.08	0.21	0.26
		22	81.13	125.76	3.30	19.16	109.89	41.12	1.23	0.18	1.15	0.26	-0.28
		11	83.97	128.02	-3.92	18.65	105.46	-49.68	-0.21	-1.33	-1.31	-0.23	0.14
14	28	13	10.43	1.34	-13.45	-7.95	-4.16	7.14	0.73	-0.40	-0.28	0.61	-0.35
		23	12.52	7.39	-10.86	1.06	-4.53	8.69	2.23	0.86	0.86	2.23	-8.12e-03
		22	4.07	1.19	-2.05	-0.32	-0.54	-1.62	0.03	-1.11	-0.16	-0.92	0.42
		11	5.44	1.14	-2.99	0.24	-2.08	1.71	0.68	-0.76	0.20	-0.27	0.68
14	29	13	85.75	129.87	-5.22	19.04	105.61	51.85	-0.26	-1.29	-1.26	-0.28	-0.16
		23	80.51	125.04	3.83	18.84	110.03	-39.93	1.16	0.14	1.09	0.21	0.26
		22	81.72	126.66	3.32	19.30	110.69	41.42	1.24	0.18	1.16	0.26	-0.28
		11	84.58	128.95	-3.95	18.78	106.22	-50.04	-0.21	-1.34	-1.32	-0.23	0.15
14	30	13	10.70	2.23	-13.44	-7.81	-3.40	7.51	0.73	-0.41	-0.29	0.61	-0.35
		23	11.96	7.48	-10.03	1.19	-3.73	8.40	2.23	0.86	0.86	2.23	-6.18e-03
		22	4.03	1.38	-1.31	-0.18	0.25	-1.32	0.03	-1.10	-0.15	-0.92	0.42
		11	4.89	1.12	-2.06	0.37	-1.32	1.35	0.68	-0.77	0.19	-0.28	0.68
14	31	13	85.14	128.96	-5.17	18.92	104.86	51.49	-0.25	-1.28	-1.25	-0.28	-0.16
		23	79.94	124.16	3.81	18.70	109.27	-39.63	1.15	0.14	1.08	0.21	0.26
		22	81.15	125.79	3.31	19.18	109.92	41.13	1.23	0.18	1.15	0.26	-0.28
		11	83.97	128.03	-3.90	18.66	105.48	-49.67	-0.21	-1.32	-1.30	-0.23	0.14
14	32	13	10.42	1.32	-13.46	-7.97	-4.17	7.14	0.73	-0.41	-0.29	0.61	-0.35
		23	12.52	7.38	-10.88	1.05	-4.56	8.69	2.23	0.85	0.85	2.23	-8.11e-03
		22	4.06	1.17	-2.08	-0.33	-0.57	-1.62	0.02	-1.11	-0.16	-0.92	0.42
		11	5.43	1.13	-3.00	0.23	-2.10	1.71	0.68	-0.76	0.19	-0.27	0.68
14	33	13	85.76	129.89	-5.21	19.06	105.62	51.86	-0.26	-1.28	-1.26	-0.28	-0.16
		23	80.52	125.06	3.84	18.84	110.06	-39.92	1.16	0.14	1.09	0.21	0.26
		22	81.73	126.69	3.34	19.32	110.72	41.42	1.24	0.18	1.16	0.26	-0.28
		11	84.58	128.96	-3.93	18.79	106.24	-50.04	-0.21	-1.33	-1.31	-0.23	0.15
14	34	13	10.70	2.20	-13.45	-7.83	-3.41	7.51	0.73	-0.41	-0.29	0.61	-0.35
		23	11.97	7.47	-10.04	1.19	-3.76	8.40	2.23	0.86	0.86	2.23	-6.18e-03
		22	4.02	1.36	-1.33	-0.20	0.22	-1.33	0.03	-1.10	-0.15	-0.92	0.42
		11	4.89	1.10	-2.08	0.36	-1.34	1.34	0.68	-0.77	0.19	-0.28	0.68
14	35	13	85.14	128.96	-5.17	18.92	104.86	51.49	-0.25	-1.28	-1.25	-0.28	-0.16
		23	79.94	124.16	3.81	18.70	109.27	-39.63	1.15	0.14	1.08	0.21	0.26
		22	81.15	125.79	3.31	19.18	109.92	41.13	1.23	0.18	1.15	0.26	-0.28
		11	83.97	128.03	-3.90	18.66	105.48	-49.67	-0.21	-1.32	-1.30	-0.23	0.14
14	36	13	10.42	1.32	-13.46	-7.97	-4.17	7.14	0.73	-0.41	-0.29	0.61	-0.35
		23	12.52	7.38	-10.88	1.05	-4.56	8.69	2.23	0.85	0.85	2.23	-8.11e-03
		22	4.06	1.17	-2.08	-0.33	-0.57	-1.62	0.02	-1.11	-0.16	-0.92	0.42
		11	5.43	1.13	-3.00	0.23	-2.10	1.71	0.68	-0.76	0.19	-0.27	0.68
14	37	13	85.76	129.89	-5.21	19.06	105.62	51.86	-0.26	-1.28	-1.26	-0.28	-0.16
		23	80.52	125.06	3.84	18.84	110.06	-39.92	1.16	0.14	1.09	0.21	0.26
		22	81.73	126.69	3.34	19.32	110.72	41.42	1.24	0.18	1.16	0.26	-0.28
		11	84.58	128.96	-3.93	18.79	106.24	-50.04	-0.21	-1.33	-1.31	-0.23	0.15
14	38	13	10.70	2.20	-13.45	-7.83	-3.41	7.51	0.73	-0.41	-0.29	0.61	-0.35
		23	11.97	7.47	-10.04	1.19	-3.76	8.40	2.23	0.86	0.86	2.23	-6.18e-03

		22	4.02	1.36	-1.33	-0.20	0.22	-1.33	0.03	-1.10	-0.15	-0.92	0.42
		11	4.89	1.10	-2.08	0.36	-1.34	1.34	0.68	-0.77	0.19	-0.28	0.68
14	39	13	0.49	0.30	-0.51	0.03	-0.24	0.39	1.22e-03	-0.01	-2.11e-03	-6.86e-03	5.19e-03
		23	0.44	0.17	-0.56	-0.11	-0.28	0.35	3.82e-03	-5.19e-03	-2.62e-03	1.26e-03	-4.06e-03
		22	0.53	0.54	-0.38	0.05	0.11	0.46	-1.82e-03	-0.01	-7.25e-03	-4.73e-03	3.98e-03
		11	0.66	0.63	-0.50	0.04	0.09	0.57	0.01	5.51e-04	5.17e-03	7.45e-03	-5.64e-03
14	40	13	0.48	0.29	-0.50	0.03	-0.24	0.37	4.14e-04	-0.01	-3.27e-03	-7.09e-03	5.26e-03
		23	0.43	0.15	-0.55	-0.11	-0.29	0.34	3.29e-03	-6.08e-03	-3.78e-03	9.94e-04	-4.03e-03
		22	0.52	0.52	-0.37	0.05	0.10	0.44	-2.44e-03	-0.01	-8.52e-03	-5.03e-03	3.96e-03
		11	0.64	0.62	-0.49	0.04	0.09	0.55	0.01	-3.00e-04	3.90e-03	7.18e-03	-5.61e-03
14	41	13	0.49	0.30	-0.51	0.03	-0.24	0.39	1.24e-03	-0.01	-2.09e-03	-6.85e-03	5.20e-03
		23	0.44	0.17	-0.56	-0.11	-0.28	0.35	3.83e-03	-5.17e-03	-2.60e-03	1.27e-03	-4.07e-03
		22	0.53	0.54	-0.38	0.05	0.11	0.46	-1.80e-03	-0.01	-7.22e-03	-4.71e-03	3.97e-03
		11	0.66	0.63	-0.50	0.04	0.09	0.57	0.01	5.84e-04	5.20e-03	7.46e-03	-5.64e-03
14	42	13	0.48	0.29	-0.50	0.03	-0.24	0.37	4.39e-04	-0.01	-3.25e-03	-7.09e-03	5.27e-03
		23	0.43	0.15	-0.55	-0.11	-0.29	0.34	3.31e-03	-6.06e-03	-3.76e-03	1.00e-03	-4.04e-03
		22	0.52	0.52	-0.37	0.05	0.10	0.44	-2.42e-03	-0.01	-8.49e-03	-5.01e-03	3.96e-03
		11	0.64	0.62	-0.49	0.04	0.09	0.55	0.01	-2.67e-04	3.93e-03	7.20e-03	-5.60e-03
14	43	13	0.49	0.31	-0.51	0.03	-0.23	0.39	1.39e-03	-0.01	-1.89e-03	-6.80e-03	5.18e-03
		23	0.44	0.17	-0.55	-0.11	-0.27	0.35	3.93e-03	-5.01e-03	-2.39e-03	1.31e-03	-4.06e-03
		22	0.53	0.54	-0.38	0.05	0.12	0.46	-1.68e-03	-9.97e-03	-6.99e-03	-4.67e-03	3.98e-03
		11	0.66	0.63	-0.50	0.04	0.09	0.57	0.01	7.29e-04	5.43e-03	7.51e-03	-5.65e-03
14	44	13	0.47	0.29	-0.50	0.03	-0.24	0.37	2.51e-04	-0.01	-3.49e-03	-7.14e-03	5.26e-03
		23	0.43	0.15	-0.55	-0.11	-0.29	0.34	3.20e-03	-6.26e-03	-4.01e-03	9.37e-04	-4.03e-03
		22	0.52	0.52	-0.37	0.05	0.10	0.44	-2.57e-03	-0.01	-8.79e-03	-5.09e-03	3.96e-03
		11	0.64	0.62	-0.49	0.04	0.09	0.55	0.01	-4.88e-04	3.64e-03	7.12e-03	-5.60e-03
14	45	13	0.49	0.31	-0.51	0.03	-0.23	0.39	1.41e-03	-0.01	-1.87e-03	-6.80e-03	5.19e-03
		23	0.44	0.17	-0.55	-0.11	-0.27	0.35	3.94e-03	-4.99e-03	-2.38e-03	1.32e-03	-4.07e-03
		22	0.53	0.54	-0.38	0.05	0.12	0.46	-1.66e-03	-9.94e-03	-6.95e-03	-4.65e-03	3.98e-03
		11	0.66	0.63	-0.50	0.04	0.09	0.57	0.01	7.61e-04	5.47e-03	7.52e-03	-5.64e-03
14	46	13	0.47	0.29	-0.50	0.03	-0.24	0.37	2.76e-04	-0.01	-3.47e-03	-7.14e-03	5.27e-03
		23	0.43	0.15	-0.55	-0.11	-0.29	0.34	3.21e-03	-6.25e-03	-3.99e-03	9.46e-04	-4.03e-03
		22	0.52	0.52	-0.37	0.05	0.10	0.44	-2.55e-03	-0.01	-8.76e-03	-5.07e-03	3.96e-03
		11	0.64	0.62	-0.49	0.04	0.09	0.55	0.01	-4.55e-04	3.67e-03	7.14e-03	-5.60e-03
14	47	13	0.49	0.30	-0.51	0.03	-0.24	0.39	1.23e-03	-0.01	-2.11e-03	-6.86e-03	5.20e-03
		23	0.44	0.17	-0.56	-0.11	-0.28	0.35	3.82e-03	-5.19e-03	-2.62e-03	1.26e-03	-4.07e-03
		22	0.53	0.54	-0.38	0.05	0.11	0.46	-1.82e-03	-0.01	-7.25e-03	-4.73e-03	3.97e-03
		11	0.66	0.63	-0.50	0.04	0.09	0.57	0.01	5.58e-04	5.17e-03	7.45e-03	-5.64e-03
14	48	13	0.48	0.29	-0.50	0.03	-0.24	0.37	4.26e-04	-0.01	-3.26e-03	-7.09e-03	5.27e-03
		23	0.43	0.15	-0.55	-0.11	-0.29	0.34	3.30e-03	-6.08e-03	-3.78e-03	9.93e-04	-4.04e-03
		22	0.52	0.52	-0.37	0.05	0.10	0.44	-2.45e-03	-0.01	-8.52e-03	-5.03e-03	3.96e-03
		11	0.64	0.62	-0.49	0.04	0.09	0.55	0.01	-2.93e-04	3.90e-03	7.18e-03	-5.60e-03
14	49	13	0.49	0.30	-0.51	0.03	-0.24	0.39	1.23e-03	-0.01	-2.10e-03	-6.85e-03	5.19e-03
		23	0.44	0.17	-0.56	-0.11	-0.28	0.35	3.83e-03	-5.17e-03	-2.61e-03	1.27e-03	-4.06e-03
		22	0.53	0.54	-0.38	0.05	0.11	0.46	-1.80e-03	-0.01	-7.22e-03	-4.71e-03	3.98e-03
		11	0.66	0.63	-0.50	0.04	0.09	0.57	0.01	5.76e-04	5.20e-03	7.46e-03	-5.64e-03
14	50	13	0.48	0.29	-0.50	0.03	-0.24	0.37	4.28e-04	-0.01	-3.25e-03	-7.09e-03	5.26e-03
		23	0.43	0.15	-0.55	-0.11	-0.29	0.34	3.31e-03	-6.06e-03	-3.76e-03	1.00e-03	-4.03e-03
		22	0.52	0.52	-0.37	0.05	0.10	0.44	-2.42e-03	-0.01	-8.49e-03	-5.01e-03	3.96e-03
		11	0.64	0.62	-0.49	0.04	0.09	0.55	0.01	-2.74e-04	3.93e-03	7.20e-03	-5.61e-03
14	51	13	0.49	0.31	-0.51	0.03	-0.23	0.39	1.40e-03	-0.01	-1.89e-03	-6.81e-03	5.19e-03
		23	0.44	0.17	-0.55	-0.11	-0.27	0.35	3.93e-03	-5.01e-03	-2.39e-03	1.31e-03	-4.07e-03
		22	0.53	0.54	-0.38	0.05	0.12	0.46	-1.69e-03	-9.97e-03	-6.99e-03	-4.67e-03	3.98e-03
		11	0.66	0.63	-0.50	0.04	0.09	0.57	0.01	7.36e-04	5.43e-03	7.51e-03	-5.64e-03
14	52	13	0.47	0.29	-0.50	0.03	-0.24	0.37	2.62e-04	-0.01	-3.49e-03	-7.15e-03	5.27e-03
		23	0.43	0.15	-0.55	-0.11	-0.29	0.34	3.20e-03	-6.27e-03	-4.00e-03	9.36e-04	-4.03e-03
		22	0.52	0.52	-0.37	0.05	0.10	0.44	-2.57e-03	-0.01	-8.79e-03	-5.09e-03	3.96e-03
		11	0.64	0.62	-0.49	0.04	0.09	0.55	0.01	-4.81e-04	3.64e-03	7.12e-03	-5.60e-03
14	53	13	0.49	0.31	-0.51	0.03	-0.23	0.39	1.40e-03	-0.01	-1.87e-03	-6.80e-03	5.18e-03
		23	0.44	0.17	-0.55	-0.11	-0.27	0.35	3.94e-03	-4.99e-03	-2.38e-03	1.32e-03	-4.06e-03
		22	0.53	0.54	-0.38	0.05	0.12	0.46	-1.66e-03	-9.94e-03	-6.95e-03	-4.65e-03	3.98e-03
		11	0.66	0.63	-0.50	0.04	0.09	0.57	0.01	7.54e-04	5.47e-03	7.52e-03	-5.65e-03
14	54	13	0.47	0.29	-0.50	0.03	-0.24	0.37	2.64e-04	-0.01	-3.48e-03	-7.14e-03	5.26e-03
		23	0.43	0.15	-0.55	-0.11	-0.29	0.34	3.21e-03	-6.25e-03	-3.99e-03	9.47e-04	-4.03e-03
		22	0.52	0.52	-0.37	0.05	0.10	0.44	-2.55e-03	-0.01	-8.76e-03	-5.07e-03	3.96e-03
		11	0.64	0.62	-0.49	0.04	0.09	0.55	0.01	-4.62e-04	3.67e-03	7.14e-03	-5.60e-03
14	55	13	0.50	0.32	-0.53	0.02	-0.23	0.40	2.21e-03	-9.55e-03	-7.64e-04	-6.58e-03	5.11e-03
		23	0.45	0.19	-0.56	-0.11	-0.26	0.37	4.49e-03	-4.19e-03	-1.27e-03	1.57e-03	-4.10e-03
		22	0.55	0.56	-0.39	0.05	0.13	0.47	-1.02e-03	-9.12e-03	-5.76e-03	-4.38e-03	3.99e-03
		11	0.67	0.65	-0.52	0.03	0.09	0.58	0.01	1.50e-03	6.66e-03	7.77e-03	-5.68e-03
14	56	13	0.46	0.28	-0.49	0.03	-0.24	0.36	-4.69e-04	-0.01	-4.60e-03	-7.37e-03	5.34e-03
		23	0.42	0.13	-0.55	-0.12	-0.30	0.32	2.73e-03	-7.16e-03	-5.12e-03	6.90e-04	-4.00e-03
		22	0.50	0.50	-0.36	0.05	0.09	0.43	-3.10e-03	-0.01	-1.00e-02	-5.37e-03	3.95e-03
		11	0.63	0.60	-0.47	0.05	0.09	0.54	0.01	-1.33e-03	2.44e-03	6.88e-03	-5.56e-03
14	57	13	0.50	0.32	-0.53	0.02	-0.23	0.40	2.22e-03	-9.55e-03	-7.58e-04	-6.58e-03	5.11e-03
		23	0.45	0.19	-0.56	-0.11	-0.26	0.37	4.49e-03	-4.19e-03	-1.26e-03	1.57e-03	-4.10e-03
		22	0.55	0.56	-0.39	0.05	0.13	0.47	-1.02e-03	-9.11e-03	-5.75e-03	-4.38e-03	3.99e-03

14	58	11	0.67	0.65	-0.52	0.03	0.09	0.58	0.01	1.51e-03	6.67e-03	7.77e-03	-5.68e-03
		13	0.46	0.28	-0.49	0.03	-0.24	0.36	-4.61e-04	-0.01	-4.60e-03	-7.37e-03	5.35e-03
		23	0.42	0.13	-0.55	-0.12	-0.30	0.32	2.73e-03	-7.15e-03	-5.11e-03	6.93e-04	-4.00e-03
		22	0.50	0.50	-0.36	0.05	0.09	0.43	-3.10e-03	-0.01	-9.99e-03	-5.36e-03	3.95e-03
		11	0.63	0.60	-0.47	0.05	0.09	0.54	0.01	-1.32e-03	2.45e-03	6.88e-03	-5.56e-03
	59	13	0.50	0.32	-0.53	0.02	-0.23	0.40	2.21e-03	-9.55e-03	-7.63e-04	-6.58e-03	5.11e-03
		23	0.45	0.19	-0.56	-0.11	-0.26	0.37	4.49e-03	-4.19e-03	-1.27e-03	1.57e-03	-4.10e-03
		22	0.55	0.56	-0.39	0.05	0.13	0.47	-1.02e-03	-9.12e-03	-5.76e-03	-4.38e-03	3.99e-03
		11	0.67	0.65	-0.52	0.03	0.09	0.58	0.01	1.50e-03	6.66e-03	7.77e-03	-5.68e-03
	60	13	0.46	0.28	-0.49	0.03	-0.24	0.36	-4.65e-04	-0.01	-4.60e-03	-7.37e-03	5.35e-03
		23	0.42	0.13	-0.55	-0.12	-0.30	0.32	2.73e-03	-7.16e-03	-5.12e-03	6.90e-04	-4.00e-03
		22	0.50	0.50	-0.36	0.05	0.09	0.43	-3.10e-03	-0.01	-1.00e-02	-5.37e-03	3.95e-03
		11	0.63	0.60	-0.47	0.05	0.09	0.54	0.01	-1.33e-03	2.44e-03	6.88e-03	-5.56e-03
	61	13	0.50	0.32	-0.53	0.02	-0.23	0.40	2.21e-03	-9.55e-03	-7.58e-04	-6.58e-03	5.11e-03
		23	0.45	0.19	-0.56	-0.11	-0.26	0.37	4.49e-03	-4.19e-03	-1.26e-03	1.57e-03	-4.10e-03
		22	0.55	0.56	-0.39	0.05	0.13	0.47	-1.02e-03	-9.11e-03	-5.75e-03	-4.38e-03	3.99e-03
		11	0.67	0.65	-0.52	0.03	0.09	0.58	0.01	1.51e-03	6.67e-03	7.77e-03	-5.68e-03
	62	13	0.46	0.28	-0.49	0.03	-0.24	0.36	-4.65e-04	-0.01	-4.60e-03	-7.37e-03	5.34e-03
		23	0.42	0.13	-0.55	-0.12	-0.30	0.32	2.73e-03	-7.15e-03	-5.11e-03	6.93e-04	-4.00e-03
		22	0.50	0.50	-0.36	0.05	0.09	0.43	-3.10e-03	-0.01	-9.99e-03	-5.36e-03	3.95e-03
		11	0.63	0.60	-0.47	0.05	0.09	0.54	0.01	-1.32e-03	2.45e-03	6.88e-03	-5.56e-03
	63	13	0.50	0.33	-0.52	0.03	-0.23	0.40	2.81e-03	-9.22e-03	-5.68e-06	-6.41e-03	5.09e-03
		23	0.45	0.20	-0.56	-0.11	-0.25	0.37	4.88e-03	-3.63e-03	-5.06e-04	1.75e-03	-4.10e-03
		22	0.55	0.57	-0.38	0.05	0.14	0.47	-5.07e-04	-8.53e-03	-4.87e-03	-4.17e-03	4.00e-03
		11	0.68	0.65	-0.51	0.04	0.10	0.58	0.01	2.05e-03	7.54e-03	7.96e-03	-5.70e-03
	64	13	0.46	0.27	-0.49	0.03	-0.25	0.36	-9.80e-04	-0.01	-5.36e-03	-7.54e-03	5.36e-03
		23	0.42	0.12	-0.55	-0.12	-0.31	0.32	2.43e-03	-7.80e-03	-5.88e-03	5.03e-04	-4.00e-03
		22	0.50	0.49	-0.37	0.05	0.08	0.43	-3.48e-03	-0.01	-0.01	-5.58e-03	3.94e-03
		11	0.62	0.60	-0.47	0.04	0.08	0.54	0.01	-2.00e-03	1.55e-03	6.68e-03	-5.55e-03
	65	13	0.50	0.33	-0.52	0.03	-0.23	0.40	2.81e-03	-9.22e-03	0.0	-6.40e-03	5.09e-03
		23	0.45	0.20	-0.56	-0.11	-0.25	0.37	4.88e-03	-3.63e-03	-5.00e-04	1.76e-03	-4.10e-03
		22	0.55	0.57	-0.38	0.05	0.14	0.47	-5.00e-04	-8.53e-03	-4.86e-03	-4.17e-03	4.00e-03
		11	0.68	0.65	-0.51	0.04	0.10	0.58	0.01	2.06e-03	7.54e-03	7.97e-03	-5.70e-03
	66	13	0.46	0.27	-0.49	0.03	-0.25	0.36	-9.72e-04	-0.01	-5.36e-03	-7.54e-03	5.37e-03
		23	0.42	0.12	-0.55	-0.12	-0.31	0.32	2.43e-03	-7.80e-03	-5.88e-03	5.05e-04	-4.00e-03
		22	0.50	0.49	-0.37	0.05	0.08	0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	3.94e-03
		11	0.62	0.60	-0.47	0.04	0.08	0.54	0.01	-1.99e-03	1.56e-03	6.69e-03	-5.55e-03
	67	13	0.50	0.33	-0.52	0.03	-0.23	0.40	2.81e-03	-9.22e-03	-5.16e-06	-6.41e-03	5.09e-03
		23	0.45	0.20	-0.56	-0.11	-0.25	0.37	4.88e-03	-3.63e-03	-5.05e-04	1.75e-03	-4.10e-03
		22	0.55	0.57	-0.38	0.05	0.14	0.47	-5.08e-04	-8.53e-03	-4.87e-03	-4.17e-03	4.00e-03
		11	0.68	0.65	-0.51	0.04	0.10	0.58	0.01	2.05e-03	7.54e-03	7.96e-03	-5.70e-03
	68	13	0.46	0.27	-0.49	0.03	-0.25	0.36	-9.76e-04	-0.01	-5.36e-03	-7.54e-03	5.37e-03
		23	0.42	0.12	-0.55	-0.12	-0.31	0.32	2.43e-03	-7.80e-03	-5.88e-03	5.02e-04	-4.00e-03
		22	0.50	0.49	-0.37	0.05	0.08	0.43	-3.48e-03	-0.01	-0.01	-5.58e-03	3.94e-03
		11	0.62	0.60	-0.47	0.04	0.08	0.54	0.01	-2.00e-03	1.55e-03	6.68e-03	-5.55e-03
	69	13	0.50	0.33	-0.52	0.03	-0.23	0.40	2.81e-03	-9.22e-03	0.0	-6.40e-03	5.09e-03
		23	0.45	0.20	-0.56	-0.11	-0.25	0.37	4.88e-03	-3.63e-03	-5.00e-04	1.76e-03	-4.10e-03
		22	0.55	0.57	-0.38	0.05	0.14	0.47	-4.99e-04	-8.53e-03	-4.86e-03	-4.17e-03	4.00e-03
		11	0.68	0.65	-0.51	0.04	0.10	0.58	0.01	2.06e-03	7.54e-03	7.97e-03	-5.70e-03
	70	13	0.46	0.27	-0.49	0.03	-0.25	0.36	-9.76e-04	-0.01	-5.36e-03	-7.54e-03	5.36e-03
		23	0.42	0.12	-0.55	-0.12	-0.31	0.32	2.43e-03	-7.80e-03	-5.88e-03	5.05e-04	-4.00e-03
		22	0.50	0.49	-0.37	0.05	0.08	0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	3.94e-03
		11	0.62	0.60	-0.47	0.04	0.08	0.54	0.01	-1.99e-03	1.56e-03	6.69e-03	-5.55e-03
	71	13	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		23	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
	72	13	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		23	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
	73	13	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		23	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
	74	13	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		23	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
	75	13	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		23	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
	76	13	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		23	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		22	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		11	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03

15	1	15	0.26	0.09	-0.32	0.09	-0.32	-0.03	0.01	-0.02	-4.36e-04	-2.34e-03	0.02
		24	0.25	-0.13	-0.39	-0.14	-0.38	0.05	6.84e-03	-0.02	-0.01	-1.01e-03	-0.01
		23	0.48	0.25	-0.49	-0.06	-0.17	0.37	1.04e-03	-0.03	-0.02	-7.89e-03	0.01
		13	0.67	0.52	-0.55	0.11	-0.14	0.52	0.02	-0.01	5.67e-03	4.19e-03	-0.02
15	2	15	0.26	0.09	-0.32	0.09	-0.32	-0.03	0.01	-0.02	-4.36e-04	-2.34e-03	0.02
		24	0.25	-0.13	-0.39	-0.14	-0.38	0.05	6.84e-03	-0.02	-0.01	-1.01e-03	-0.01
		23	0.48	0.25	-0.49	-0.06	-0.17	0.37	1.04e-03	-0.03	-0.02	-7.89e-03	0.01
		13	0.67	0.52	-0.55	0.11	-0.14	0.52	0.02	-0.01	5.67e-03	4.19e-03	-0.02
15	3	15	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
		23	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		13	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
15	4	15	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
		23	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		13	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
15	5	15	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
		23	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		13	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
15	6	15	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
		23	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		13	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
15	7	15	21.92	33.37	-1.11	5.08	27.18	13.23	-0.07	-0.33	-0.33	-0.07	-0.02
		24	20.81	32.25	0.79	4.78	28.26	-10.47	0.28	0.03	0.26	0.05	0.06
		23	21.27	32.84	0.56	4.91	28.49	11.02	0.29	0.04	0.28	0.05	-0.06
		13	21.59	33.03	-0.61	5.03	27.39	-12.58	-0.06	-0.34	-0.34	-0.06	0.02
15	8	15	8.52	2.76	-8.77	2.67	-8.68	-1.01	0.48	-0.42	0.47	-0.42	0.05
		24	7.87	-1.44	-10.90	-3.71	-8.62	4.04	-0.62	-1.13	-0.74	-1.01	-0.22
		23	6.06	0.89	-6.61	0.47	-6.19	1.73	0.76	0.32	0.36	0.72	-0.13
		13	11.59	4.77	-12.62	-2.82	-5.03	8.62	0.50	-0.43	-0.32	0.39	-0.30
15	9	15	23.95	36.46	-1.21	5.54	29.71	14.45	-0.08	-0.36	-0.36	-0.08	-0.02
		24	22.75	35.26	0.87	5.23	30.89	-11.44	0.31	0.03	0.29	0.05	0.07
		23	23.22	35.86	0.64	5.37	31.12	12.01	0.32	0.04	0.30	0.06	-0.07
		13	23.61	36.12	-0.71	5.49	29.92	-13.78	-0.06	-0.37	-0.37	-0.07	0.02
15	10	15	7.13	3.14	-6.15	3.13	-6.15	0.21	0.45	-0.42	0.44	-0.42	0.05
		24	6.11	-1.27	-7.98	-3.26	-5.99	3.07	-0.61	-1.11	-0.72	-1.00	-0.21
		23	5.36	2.21	-4.83	0.93	-3.56	2.71	0.77	0.34	0.39	0.72	-0.14
		13	9.87	5.00	-9.85	-2.36	-2.49	7.42	0.49	-0.46	-0.35	0.38	-0.30
15	11	15	21.92	33.37	-1.11	5.08	27.18	13.23	-0.07	-0.33	-0.33	-0.07	-0.02
		24	20.81	32.25	0.79	4.78	28.27	-10.47	0.28	0.03	0.26	0.05	0.06
		23	21.28	32.84	0.56	4.91	28.49	11.03	0.29	0.04	0.28	0.05	-0.06
		13	21.59	33.03	-0.61	5.04	27.39	-12.57	-0.06	-0.34	-0.34	-0.06	0.02
15	12	15	8.52	2.76	-8.77	2.67	-8.68	-1.01	0.48	-0.42	0.47	-0.42	0.05
		24	7.87	-1.44	-10.89	-3.71	-8.63	4.04	-0.62	-1.13	-0.74	-1.01	-0.22
		23	6.06	0.89	-6.62	0.47	-6.20	1.73	0.76	0.32	0.36	0.72	-0.13
		13	11.59	4.77	-12.62	-2.82	-5.03	8.62	0.50	-0.43	-0.32	0.39	-0.30
15	13	15	23.95	36.46	-1.21	5.54	29.71	14.45	-0.08	-0.36	-0.36	-0.08	-0.02
		24	22.75	35.26	0.87	5.23	30.90	-11.44	0.31	0.03	0.29	0.05	0.07
		23	23.22	35.86	0.64	5.37	31.13	12.01	0.32	0.04	0.30	0.06	-0.07
		13	23.61	36.12	-0.70	5.49	29.92	-13.77	-0.06	-0.37	-0.37	-0.07	0.02
15	14	15	7.13	3.14	-6.16	3.13	-6.15	0.21	0.44	-0.42	0.44	-0.42	0.05
		24	6.11	-1.27	-7.98	-3.26	-6.00	3.06	-0.61	-1.11	-0.72	-1.00	-0.21
		23	5.35	2.20	-4.83	0.93	-3.56	2.71	0.77	0.34	0.39	0.72	-0.14
		13	9.87	4.99	-9.85	-2.37	-2.49	7.42	0.49	-0.46	-0.35	0.38	-0.30
15	15	15	21.92	33.37	-1.11	5.08	27.18	13.23	-0.07	-0.33	-0.33	-0.07	-0.02
		24	20.81	32.25	0.79	4.78	28.26	-10.47	0.28	0.03	0.26	0.05	0.06
		23	21.27	32.84	0.56	4.91	28.49	11.02	0.29	0.04	0.28	0.05	-0.06
		13	21.59	33.03	-0.61	5.03	27.39	-12.58	-0.06	-0.34	-0.34	-0.06	0.02
15	16	15	8.52	2.76	-8.77	2.67	-8.68	-1.01	0.48	-0.42	0.47	-0.42	0.05
		24	7.87	-1.44	-10.90	-3.71	-8.62	4.04	-0.62	-1.13	-0.74	-1.01	-0.22
		23	6.06	0.89	-6.61	0.47	-6.19	1.73	0.76	0.32	0.36	0.72	-0.13
		13	11.59	4.77	-12.62	-2.82	-5.02	8.62	0.50	-0.43	-0.32	0.39	-0.30
15	17	15	23.95	36.46	-1.21	5.54	29.71	14.45	-0.08	-0.36	-0.36	-0.08	-0.02
		24	22.75	35.26	0.87	5.23	30.89	-11.44	0.31	0.03	0.29	0.05	0.07
		23	23.22	35.86	0.64	5.37	31.12	12.01	0.32	0.04	0.30	0.06	-0.07
		13	23.61	36.12	-0.71	5.49	29.92	-13.78	-0.06	-0.37	-0.37	-0.07	0.02
15	18	15	7.13	3.14	-6.15	3.13	-6.15	0.21	0.45	-0.42	0.44	-0.42	0.05
		24	6.11	-1.27	-7.98	-3.26	-5.99	3.07	-0.61	-1.11	-0.72	-1.00	-0.21
		23	5.36	2.21	-4.83	0.93	-3.56	2.71	0.77	0.34	0.39	0.72	-0.14
		13	9.87	5.00	-9.85	-2.36	-2.49	7.42	0.49	-0.46	-0.35	0.38	-0.30
15	19	15	21.92	33.37	-1.11	5.08	27.18	13.23	-0.07	-0.33	-0.33	-0.07	-0.02
		24	20.81	32.25	0.79	4.78	28.27	-10.47	0.28	0.03	0.26	0.05	0.06
		23	21.28	32.84	0.56	4.91	28.49	11.03	0.29	0.04	0.28	0.05	-0.06
		13	21.59	33.03	-0.61	5.04	27.39	-12.57	-0.06	-0.34	-0.34	-0.06	0.02
15	20	15	8.52	2.76	-8.77	2.67	-8.68	-1.01	0.48	-0.42	0.47	-0.42	0.05

		24	7.87	-1.44	-10.89	-3.71	-8.63	4.04	-0.62	-1.13	-0.74	-1.01	-0.22
		23	6.06	0.89	-6.62	0.47	-6.20	1.73	0.76	0.32	0.36	0.72	-0.13
		13	11.59	4.77	-12.62	-2.82	-5.03	8.62	0.50	-0.43	-0.32	0.39	-0.30
15	21	15	23.95	36.46	-1.21	5.54	29.71	14.45	-0.08	-0.36	-0.36	-0.08	-0.02
		24	22.75	35.26	0.87	5.23	30.90	-11.44	0.31	0.03	0.29	0.05	0.07
		23	23.22	35.86	0.64	5.37	31.13	12.01	0.32	0.04	0.30	0.06	-0.07
		13	23.61	36.12	-0.70	5.49	29.92	-13.77	-0.06	-0.37	-0.37	-0.07	0.02
15	22	15	7.13	3.14	-6.16	3.13	-6.15	0.21	0.44	-0.42	0.44	-0.42	0.05
		24	6.11	-1.27	-7.98	-3.26	-6.00	3.06	-0.61	-1.11	-0.72	-1.00	-0.21
		23	5.35	2.20	-4.83	0.93	-3.56	2.71	0.77	0.34	0.39	0.72	-0.14
		13	9.87	4.99	-9.85	-2.37	-2.49	7.42	0.49	-0.46	-0.35	0.38	-0.30
15	23	15	84.16	128.11	-4.31	19.20	104.59	50.61	-0.26	-1.26	-1.25	-0.28	-0.11
		24	80.11	124.14	3.28	18.56	108.86	-40.17	1.11	0.11	1.04	0.18	0.26
		23	81.02	125.32	2.86	18.91	109.27	41.32	1.17	0.14	1.10	0.22	-0.27
		13	83.45	127.36	-3.37	19.00	105.00	-49.22	-0.23	-1.31	-1.30	-0.24	0.10
15	24	15	21.15	11.56	-15.31	11.19	-14.93	3.15	1.42	-1.42	1.42	-1.42	0.12
		24	16.70	-3.42	-20.40	-9.72	-14.10	8.21	-1.99	-3.66	-2.32	-3.34	-0.66
		23	16.87	10.47	-12.69	4.11	-6.33	10.34	2.64	1.18	1.39	2.43	-0.51
		13	28.51	16.43	-26.65	-7.19	-3.04	21.44	1.59	-1.57	-1.24	1.26	-0.97
15	25	15	84.77	129.04	-4.34	19.34	105.35	50.97	-0.27	-1.27	-1.26	-0.28	-0.11
		24	80.69	125.04	3.31	18.70	109.65	-40.46	1.11	0.11	1.04	0.18	0.26
		23	81.60	126.22	2.88	19.04	110.06	41.62	1.18	0.14	1.10	0.22	-0.27
		13	84.06	128.28	-3.39	19.13	105.76	-49.58	-0.23	-1.32	-1.31	-0.24	0.10
15	26	15	20.86	11.80	-14.65	11.33	-14.18	3.52	1.41	-1.42	1.41	-1.42	0.12
		24	16.21	-3.32	-19.58	-9.59	-13.31	7.91	-1.99	-3.66	-2.31	-3.34	-0.66
		23	16.88	11.06	-12.35	4.24	-5.54	10.64	2.64	1.19	1.39	2.44	-0.51
		13	28.04	16.55	-25.88	-7.05	-2.28	21.08	1.59	-1.58	-1.25	1.26	-0.97
15	27	15	84.16	128.11	-4.31	19.20	104.59	50.61	-0.26	-1.26	-1.25	-0.28	-0.11
		24	80.11	124.14	3.28	18.56	108.86	-40.17	1.11	0.11	1.04	0.18	0.26
		23	81.02	125.32	2.86	18.91	109.27	41.32	1.17	0.14	1.10	0.22	-0.27
		13	83.45	127.36	-3.37	19.00	105.00	-49.22	-0.23	-1.31	-1.30	-0.24	0.10
15	28	15	21.15	11.56	-15.31	11.19	-14.93	3.15	1.42	-1.42	1.42	-1.42	0.12
		24	16.70	-3.42	-20.40	-9.72	-14.10	8.21	-1.99	-3.66	-2.32	-3.34	-0.66
		23	16.87	10.47	-12.69	4.11	-6.33	10.34	2.64	1.18	1.39	2.43	-0.51
		13	28.51	16.43	-26.65	-7.19	-3.04	21.44	1.59	-1.57	-1.24	1.26	-0.97
15	29	15	84.77	129.04	-4.34	19.34	105.35	50.97	-0.27	-1.27	-1.26	-0.28	-0.11
		24	80.69	125.04	3.31	18.70	109.65	-40.46	1.11	0.11	1.04	0.18	0.26
		23	81.60	126.22	2.88	19.04	110.06	41.62	1.18	0.14	1.10	0.22	-0.27
		13	84.06	128.28	-3.39	19.13	105.76	-49.58	-0.23	-1.32	-1.31	-0.24	0.10
15	30	15	20.86	11.80	-14.65	11.33	-14.18	3.52	1.41	-1.42	1.41	-1.42	0.12
		24	16.21	-3.32	-19.58	-9.59	-13.31	7.91	-1.99	-3.66	-2.31	-3.34	-0.66
		23	16.88	11.06	-12.35	4.24	-5.54	10.64	2.64	1.19	1.39	2.44	-0.51
		13	28.04	16.55	-25.88	-7.05	-2.28	21.08	1.59	-1.58	-1.25	1.26	-0.97
15	31	15	84.17	128.12	-4.32	19.20	104.60	50.62	-0.26	-1.26	-1.25	-0.28	-0.11
		24	80.11	124.14	3.29	18.57	108.87	-40.15	1.11	0.11	1.04	0.18	0.26
		23	81.03	125.34	2.86	18.91	109.28	41.33	1.18	0.14	1.10	0.22	-0.27
		13	83.44	127.36	-3.35	19.00	105.01	-49.21	-0.23	-1.31	-1.30	-0.24	0.10
15	32	15	21.15	11.56	-15.31	11.19	-14.94	3.14	1.42	-1.42	1.42	-1.42	0.12
		24	16.70	-3.44	-20.40	-9.73	-14.11	8.19	-1.99	-3.66	-2.32	-3.34	-0.66
		23	16.87	10.45	-12.69	4.10	-6.34	10.33	2.64	1.18	1.39	2.43	-0.51
		13	28.50	16.41	-26.65	-7.19	-3.05	21.43	1.59	-1.57	-1.24	1.26	-0.97
15	33	15	84.78	129.05	-4.35	19.34	105.36	50.99	-0.27	-1.27	-1.26	-0.28	-0.11
		24	80.69	125.04	3.32	18.70	109.66	-40.45	1.12	0.11	1.04	0.18	0.26
		23	81.62	126.24	2.88	19.05	110.07	41.63	1.18	0.14	1.10	0.22	-0.27
		13	84.05	128.28	-3.38	19.14	105.77	-49.57	-0.23	-1.32	-1.31	-0.24	0.10
15	34	15	20.86	11.80	-14.66	11.33	-14.18	3.51	1.41	-1.42	1.41	-1.42	0.12
		24	16.21	-3.34	-19.58	-9.59	-13.32	7.90	-1.99	-3.66	-2.31	-3.34	-0.66
		23	16.88	11.04	-12.35	4.24	-5.55	10.62	2.64	1.19	1.39	2.44	-0.51
		13	28.03	16.53	-25.87	-7.05	-2.29	21.07	1.59	-1.58	-1.25	1.26	-0.97
15	35	15	84.17	128.12	-4.32	19.20	104.60	50.62	-0.26	-1.26	-1.25	-0.28	-0.11
		24	80.11	124.14	3.29	18.57	108.87	-40.15	1.11	0.11	1.04	0.18	0.26
		23	81.03	125.34	2.86	18.91	109.28	41.33	1.18	0.14	1.10	0.22	-0.27
		13	83.44	127.36	-3.35	19.00	105.01	-49.21	-0.23	-1.31	-1.30	-0.24	0.10
15	36	15	21.15	11.56	-15.31	11.19	-14.94	3.14	1.42	-1.42	1.42	-1.42	0.12
		24	16.70	-3.44	-20.40	-9.73	-14.11	8.19	-1.99	-3.66	-2.32	-3.34	-0.66
		23	16.87	10.45	-12.69	4.10	-6.34	10.33	2.64	1.18	1.39	2.43	-0.51
		13	28.50	16.41	-26.65	-7.19	-3.05	21.43	1.59	-1.57	-1.24	1.26	-0.97
15	37	15	84.78	129.05	-4.35	19.34	105.36	50.99	-0.27	-1.27	-1.26	-0.28	-0.11
		24	80.69	125.04	3.32	18.70	109.66	-40.45	1.12	0.11	1.04	0.18	0.26
		23	81.62	126.24	2.88	19.05	110.07	41.63	1.18	0.14	1.11	0.22	-0.27
		13	84.05	128.28	-3.38	19.14	105.77	-49.57	-0.23	-1.32	-1.31	-0.24	0.10
15	38	15	20.86	11.80	-14.66	11.33	-14.18	3.51	1.41	-1.42	1.41	-1.42	0.12
		24	16.21	-3.34	-19.58	-9.59	-13.32	7.90	-1.99	-3.66	-2.31	-3.34	-0.66
		23	16.88	11.04	-12.35	4.24	-5.55	10.62	2.64	1.19	1.39	2.44	-0.51
		13	28.03	16.53	-25.87	-7.05	-2.29	21.07	1.59	-1.58	-1.25	1.26	-0.97
15	39	15	0.20	0.07	-0.24	0.07	-0.24	-4.66e-03	0.01	-0.01	-1.61e-04	-1.75e-03	0.01
		24	0.20	-0.09	-0.31	-0.11	-0.29	0.06	5.35e-03	-0.02	-0.01	-6.88e-04	-9.78e-03

		23	0.39	0.21	-0.39	-0.05	-0.13	0.30	9.95e-04	-0.02	-0.01	-5.96e-03	0.01
		13	0.53	0.42	-0.44	0.09	-0.11	0.42	0.02	-8.27e-03	4.68e-03	3.30e-03	-0.01
15	40	15	0.21	0.08	-0.25	0.07	-0.25	-0.04	0.01	-0.01	-5.15e-04	-1.88e-03	0.01
		24	0.18	-0.11	-0.30	-0.11	-0.29	0.03	5.14e-03	-0.02	-0.01	-9.00e-04	-9.83e-03
		23	0.35	0.18	-0.36	-0.04	-0.14	0.27	5.82e-04	-0.02	-0.02	-6.22e-03	0.01
		13	0.50	0.39	-0.41	0.09	-0.11	0.39	0.02	-8.61e-03	4.02e-03	3.12e-03	-0.01
15	41	15	0.20	0.07	-0.24	0.07	-0.24	-4.59e-03	0.01	-0.01	-1.55e-04	-1.73e-03	0.01
		24	0.20	-0.09	-0.31	-0.11	-0.29	0.06	5.38e-03	-0.02	-0.01	-6.54e-04	-9.78e-03
		23	0.39	0.21	-0.39	-0.05	-0.13	0.30	1.03e-03	-0.02	-0.01	-5.92e-03	0.01
		13	0.53	0.42	-0.44	0.09	-0.11	0.42	0.02	-8.24e-03	4.71e-03	3.33e-03	-0.01
15	42	15	0.21	0.08	-0.25	0.07	-0.25	-0.04	0.01	-0.01	-5.09e-04	-1.86e-03	0.01
		24	0.18	-0.11	-0.30	-0.11	-0.29	0.03	5.17e-03	-0.02	-0.01	-8.66e-04	-9.84e-03
		23	0.35	0.18	-0.36	-0.04	-0.14	0.27	6.13e-04	-0.02	-0.02	-6.18e-03	0.01
		13	0.50	0.39	-0.41	0.09	-0.11	0.39	0.02	-8.58e-03	4.05e-03	3.14e-03	-0.01
15	43	15	0.20	0.07	-0.24	0.07	-0.24	-3.32e-03	0.01	-0.01	-9.09e-05	-1.74e-03	0.01
		24	0.20	-0.09	-0.30	-0.11	-0.29	0.06	5.37e-03	-0.02	-0.01	-6.80e-04	-9.78e-03
		23	0.39	0.21	-0.39	-0.05	-0.13	0.30	1.05e-03	-0.02	-0.01	-5.94e-03	0.01
		13	0.53	0.42	-0.44	0.09	-0.11	0.42	0.02	-8.21e-03	4.81e-03	3.33e-03	-0.01
15	44	15	0.21	0.08	-0.25	0.07	-0.25	-0.04	0.01	-0.01	-5.85e-04	-1.89e-03	0.01
		24	0.18	-0.11	-0.30	-0.11	-0.30	0.02	5.12e-03	-0.02	-0.01	-6.46e-04	-9.83e-03
		23	0.35	0.18	-0.36	-0.04	-0.14	0.26	5.28e-04	-0.02	-0.02	-6.24e-03	0.01
		13	0.49	0.38	-0.41	0.09	-0.11	0.38	0.02	-8.67e-03	3.89e-03	3.09e-03	-0.01
15	45	15	0.20	0.07	-0.24	0.07	-0.24	-3.26e-03	0.01	-0.01	-8.53e-05	-1.72e-03	0.01
		24	0.20	-0.09	-0.30	-0.11	-0.29	0.06	5.40e-03	-0.02	-0.01	-6.46e-04	-9.78e-03
		23	0.39	0.21	-0.39	-0.05	-0.13	0.30	1.08e-03	-0.02	-0.01	-5.90e-03	0.01
		13	0.53	0.42	-0.44	0.09	-0.11	0.42	0.02	-8.18e-03	4.84e-03	3.35e-03	-0.01
15	46	15	0.21	0.08	-0.25	0.07	-0.25	-0.04	0.01	-0.01	-5.79e-04	-1.87e-03	0.01
		24	0.18	-0.11	-0.30	-0.11	-0.30	0.02	5.15e-03	-0.02	-0.01	-8.74e-04	-9.84e-03
		23	0.35	0.18	-0.36	-0.05	-0.14	0.26	5.59e-04	-0.02	-0.02	-6.20e-03	0.01
		13	0.49	0.38	-0.41	0.09	-0.11	0.38	0.02	-8.65e-03	3.92e-03	3.12e-03	-0.01
15	47	15	0.20	0.07	-0.24	0.07	-0.24	-4.60e-03	0.01	-0.01	-1.62e-04	-1.75e-03	0.01
		24	0.20	-0.09	-0.31	-0.11	-0.29	0.06	5.35e-03	-0.02	-0.01	-6.88e-04	-9.78e-03
		23	0.39	0.21	-0.39	-0.05	-0.13	0.30	9.91e-04	-0.02	-0.01	-5.96e-03	0.01
		13	0.53	0.42	-0.44	0.09	-0.11	0.42	0.02	-8.27e-03	4.68e-03	3.30e-03	-0.01
15	48	15	0.21	0.08	-0.25	0.07	-0.25	-0.04	0.01	-0.01	-5.15e-04	-1.88e-03	0.01
		24	0.18	-0.11	-0.30	-0.11	-0.29	0.03	5.15e-03	-0.02	-0.01	-8.99e-04	-9.84e-03
		23	0.35	0.18	-0.36	-0.04	-0.14	0.27	5.78e-04	-0.02	-0.02	-6.22e-03	0.01
		13	0.50	0.39	-0.41	0.09	-0.11	0.39	0.02	-8.61e-03	4.03e-03	3.12e-03	-0.01
15	49	15	0.19	0.07	-0.24	0.07	-0.24	-4.65e-03	0.01	-0.01	-1.55e-04	-1.73e-03	0.01
		24	0.20	-0.09	-0.31	-0.11	-0.29	0.06	5.37e-03	-0.02	-0.01	-6.55e-04	-9.78e-03
		23	0.39	0.21	-0.39	-0.05	-0.13	0.30	1.03e-03	-0.02	-0.01	-5.92e-03	0.01
		13	0.53	0.42	-0.44	0.09	-0.11	0.42	0.02	-8.25e-03	4.70e-03	3.33e-03	-0.01
15	50	15	0.21	0.08	-0.25	0.07	-0.25	-0.04	0.01	-0.01	-5.09e-04	-1.86e-03	0.01
		24	0.18	-0.11	-0.30	-0.11	-0.29	0.03	5.17e-03	-0.02	-0.01	-8.66e-04	-9.83e-03
		23	0.35	0.18	-0.36	-0.04	-0.14	0.27	6.17e-04	-0.02	-0.02	-6.18e-03	0.01
		13	0.50	0.39	-0.41	0.09	-0.11	0.39	0.02	-8.59e-03	4.05e-03	3.14e-03	-0.01
15	51	15	0.20	0.07	-0.24	0.07	-0.24	-3.27e-03	0.01	-0.01	-9.15e-05	-1.74e-03	0.01
		24	0.20	-0.09	-0.30	-0.11	-0.29	0.06	5.38e-03	-0.02	-0.01	-6.80e-04	-9.78e-03
		23	0.39	0.21	-0.39	-0.05	-0.13	0.30	1.05e-03	-0.02	-0.01	-5.94e-03	0.01
		13	0.53	0.42	-0.44	0.09	-0.11	0.42	0.02	-8.21e-03	4.81e-03	3.33e-03	-0.01
15	52	15	0.21	0.08	-0.25	0.07	-0.25	-0.04	0.01	-0.01	-5.85e-04	-1.89e-03	0.01
		24	0.18	-0.11	-0.30	-0.11	-0.30	0.02	5.12e-03	-0.02	-0.01	-9.07e-04	-9.84e-03
		23	0.35	0.18	-0.36	-0.04	-0.14	0.26	5.25e-04	-0.02	-0.02	-6.24e-03	0.01
		13	0.49	0.38	-0.41	0.09	-0.11	0.38	0.02	-8.67e-03	3.89e-03	3.09e-03	-0.01
15	53	15	0.20	0.07	-0.24	0.07	-0.24	-3.31e-03	0.01	-0.01	-8.47e-05	-1.72e-03	0.01
		24	0.20	-0.09	-0.30	-0.11	-0.29	0.06	5.40e-03	-0.02	-0.01	-6.47e-04	-9.78e-03
		23	0.39	0.21	-0.39	-0.05	-0.13	0.30	1.08e-03	-0.02	-0.01	-5.90e-03	0.01
		13	0.53	0.42	-0.44	0.09	-0.11	0.42	0.02	-8.18e-03	4.84e-03	3.35e-03	-0.01
15	54	15	0.21	0.08	-0.25	0.07	-0.25	-0.04	0.01	-0.01	-5.79e-04	-1.87e-03	0.01
		24	0.18	-0.11	-0.30	-0.11	-0.30	0.02	5.14e-03	-0.02	-0.01	-8.74e-04	-9.83e-03
		23	0.35	0.18	-0.36	-0.05	-0.14	0.26	5.63e-04	-0.02	-0.02	-6.20e-03	0.01
		13	0.49	0.38	-0.41	0.09	-0.11	0.38	0.02	-8.65e-03	3.92e-03	3.12e-03	-0.01
15	55	15	0.21	0.08	-0.25	0.07	-0.24	0.03	0.01	-0.01	2.54e-04	-1.59e-03	0.01
		24	0.22	-0.07	-0.32	-0.11	-0.28	0.09	5.60e-03	-0.02	-0.01	-4.30e-04	-9.71e-03
		23	0.43	0.25	-0.42	-0.05	-0.13	0.33	1.49e-03	-0.02	-0.01	-5.64e-03	0.01
		13	0.57	0.45	-0.48	0.08	-0.11	0.45	0.02	-7.87e-03	5.45e-03	3.53e-03	-0.01
15	56	15	0.23	0.09	-0.26	0.07	-0.25	-0.07	0.01	-0.01	-9.26e-04	-2.02e-03	0.01
		24	0.18	-0.11	-0.30	-0.11	-0.30	-0.01	4.91e-03	-0.02	-0.01	-1.13e-03	-9.90e-03
		23	0.31	0.14	-0.33	-0.04	-0.14	0.23	1.16e-04	-0.02	-0.02	-6.51e-03	0.01
		13	0.46	0.35	-0.37	0.09	-0.11	0.35	0.02	-9.01e-03	3.27e-03	2.91e-03	-0.01
15	57	15	0.21	0.08	-0.25	0.07	-0.24	0.03	0.01	-0.01	2.56e-04	-1.58e-03	0.01
		24	0.22	-0.07	-0.32	-0.11	-0.28	0.09	5.60e-03	-0.02	-0.01	-4.19e-04	-9.72e-03
		23	0.43	0.25	-0.42	-0.05	-0.13	0.33	1.50e-03	-0.02	-0.01	-5.63e-03	0.01
		13	0.57	0.45	-0.48	0.08	-0.11	0.45	0.02	-7.86e-03	5.46e-03	3.53e-03	-0.01
15	58	15	0.23	0.09	-0.26	0.07	-0.25	-0.07	0.01	-0.01	-9.24e-04	-2.02e-03	0.01
		24	0.18	-0.11	-0.30	-0.11	-0.30	-0.01	4.92e-03	-0.02	-0.01	-1.12e-03	-9.90e-03
		23	0.31	0.14	-0.33	-0.04	-0.14	0.23	1.25e-04	-0.02	-0.02	-6.50e-03	0.01

		13	0.46	0.35	-0.37	0.09	-0.11	0.35	0.02	-9.00e-03	3.28e-03	2.92e-03	-0.01
15	59	15	0.21	0.08	-0.25	0.07	-0.24	0.03	0.01	-0.01	2.54e-04	-1.59e-03	0.01
		24	0.22	-0.07	-0.32	-0.11	-0.28	0.09	5.60e-03	-0.02	-0.01	-4.29e-04	-9.72e-03
		23	0.43	0.25	-0.42	-0.05	-0.13	0.33	1.49e-03	-0.02	-0.01	-5.64e-03	0.01
		13	0.57	0.45	-0.48	0.08	-0.11	0.45	0.02	-7.87e-03	5.45e-03	3.53e-03	-0.01
15	60	15	0.23	0.09	-0.26	0.07	-0.25	-0.07	0.01	-0.01	-9.26e-04	-2.02e-03	0.01
		24	0.18	-0.11	-0.30	-0.11	-0.30	-0.01	4.92e-03	-0.02	-0.01	-1.13e-03	-9.90e-03
		23	0.31	0.14	-0.33	-0.04	-0.14	0.23	1.15e-04	-0.02	-0.02	-6.51e-03	0.01
		13	0.46	0.35	-0.37	0.09	-0.11	0.35	0.02	-9.00e-03	3.27e-03	2.91e-03	-0.01
15	61	15	0.21	0.08	-0.25	0.07	-0.24	0.03	0.01	-0.01	2.56e-04	-1.58e-03	0.01
		24	0.22	-0.07	-0.32	-0.11	-0.28	0.09	5.60e-03	-0.02	-0.01	-4.20e-04	-9.71e-03
		23	0.43	0.25	-0.42	-0.05	-0.13	0.33	1.50e-03	-0.02	-0.01	-6.53e-03	0.01
		13	0.57	0.45	-0.48	0.08	-0.11	0.45	0.02	-7.86e-03	5.46e-03	3.53e-03	-0.01
15	62	15	0.23	0.09	-0.26	0.07	-0.25	-0.07	0.01	-0.01	-9.24e-04	-2.02e-03	0.01
		24	0.18	-0.11	-0.30	-0.11	-0.30	-0.01	4.92e-03	-0.02	-0.01	-1.12e-03	-9.90e-03
		23	0.31	0.14	-0.33	-0.04	-0.14	0.23	1.26e-04	-0.02	-0.02	-6.50e-03	0.01
		13	0.46	0.35	-0.37	0.09	-0.11	0.35	0.02	-9.00e-03	3.28e-03	2.92e-03	-0.01
15	63	15	0.21	0.08	-0.24	0.07	-0.24	0.04	0.01	-0.01	4.87e-04	-1.55e-03	0.01
		24	0.22	-0.06	-0.32	-0.11	-0.28	0.10	5.68e-03	-0.02	-9.83e-03	-4.03e-04	-9.71e-03
		23	0.43	0.26	-0.42	-0.05	-0.12	0.34	1.68e-03	-0.02	-0.01	-6.58e-03	0.01
		13	0.58	0.46	-0.48	0.08	-0.11	0.46	0.02	-7.67e-03	5.89e-03	3.61e-03	-0.01
15	64	15	0.23	0.09	-0.27	0.07	-0.25	-0.08	0.01	-0.01	-1.16e-03	-2.06e-03	0.01
		24	0.18	-0.11	-0.31	-0.11	-0.30	-0.02	4.83e-03	-0.02	-0.01	-1.16e-03	-9.90e-03
		23	0.31	0.13	-0.32	-0.04	-0.15	0.22	-5.90e-05	-0.02	-0.02	-6.57e-03	0.01
		13	0.45	0.35	-0.37	0.09	-0.11	0.34	0.01	-9.22e-03	2.83e-03	2.83e-03	-0.01
15	65	15	0.21	0.08	-0.24	0.07	-0.24	0.04	0.01	-0.01	4.89e-04	-1.54e-03	0.01
		24	0.22	-0.06	-0.32	-0.11	-0.28	0.10	5.69e-03	-0.02	-9.83e-03	-3.93e-04	-9.71e-03
		23	0.43	0.26	-0.42	-0.05	-0.12	0.34	1.69e-03	-0.02	-0.01	-5.57e-03	0.01
		13	0.58	0.46	-0.48	0.08	-0.11	0.46	0.02	-7.66e-03	5.90e-03	3.61e-03	-0.01
15	66	15	0.23	0.09	-0.27	0.07	-0.25	-0.08	0.01	-0.01	-1.16e-03	-2.06e-03	0.01
		24	0.18	-0.11	-0.31	-0.11	-0.30	-0.02	4.84e-03	-0.02	-0.01	-1.15e-03	-9.90e-03
		23	0.31	0.13	-0.32	-0.04	-0.15	0.22	-4.97e-05	-0.02	-0.02	-6.56e-03	0.01
		13	0.45	0.35	-0.37	0.09	-0.11	0.34	0.01	-9.21e-03	2.84e-03	2.84e-03	-0.01
15	67	15	0.21	0.08	-0.24	0.07	-0.24	0.04	0.01	-0.01	4.87e-04	-1.55e-03	0.01
		24	0.22	-0.06	-0.32	-0.11	-0.28	0.10	5.68e-03	-0.02	-9.84e-03	-4.03e-04	-9.71e-03
		23	0.43	0.26	-0.42	-0.05	-0.12	0.34	1.68e-03	-0.02	-0.01	-5.58e-03	0.01
		13	0.58	0.46	-0.48	0.08	-0.11	0.46	0.02	-7.67e-03	5.89e-03	3.61e-03	-0.01
15	68	15	0.23	0.09	-0.27	0.07	-0.25	-0.08	0.01	-0.01	-1.16e-03	-2.06e-03	0.01
		24	0.18	-0.11	-0.31	-0.11	-0.30	-0.02	4.84e-03	-0.02	-0.01	-1.16e-03	-9.90e-03
		23	0.31	0.13	-0.32	-0.04	-0.15	0.22	-6.01e-05	-0.02	-0.02	-6.57e-03	0.01
		13	0.45	0.35	-0.37	0.09	-0.11	0.34	0.01	-9.22e-03	2.83e-03	2.83e-03	-0.01
15	69	15	0.21	0.08	-0.24	0.07	-0.24	0.04	0.01	-0.01	4.89e-04	-1.54e-03	0.01
		24	0.22	-0.06	-0.32	-0.11	-0.28	0.10	5.69e-03	-0.02	-9.83e-03	-3.93e-04	-9.71e-03
		23	0.43	0.26	-0.42	-0.05	-0.12	0.34	1.69e-03	-0.02	-0.01	-5.57e-03	0.01
		13	0.58	0.46	-0.48	0.08	-0.11	0.46	0.02	-7.66e-03	5.90e-03	3.61e-03	-0.01
15	70	15	0.23	0.09	-0.27	0.07	-0.25	-0.08	0.01	-0.01	-1.16e-03	-2.06e-03	0.01
		24	0.18	-0.11	-0.31	-0.11	-0.30	-0.02	4.84e-03	-0.02	-0.01	-1.15e-03	-9.90e-03
		23	0.31	0.13	-0.32	-0.04	-0.15	0.22	-4.86e-05	-0.02	-0.02	-6.56e-03	0.01
		13	0.45	0.35	-0.37	0.09	-0.11	0.34	0.01	-9.21e-03	2.84e-03	2.84e-03	-0.01
15	71	15	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
		23	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		13	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
15	72	15	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
		23	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		13	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
15	73	15	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
		23	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		13	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
15	74	15	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
		23	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		13	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
15	75	15	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
		23	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		13	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
15	76	15	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
		23	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		13	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
16	1	2	0.67	0.52	-0.55	0.11	-0.14	-0.52	0.02	-0.01	5.67e-03	4.19e-03	0.02
		17	0.48	0.25	-0.49	-0.06	-0.17	-0.37	1.04e-03	-0.03	-0.02	-7.89e-03	-0.01
		24	0.25	-0.13	-0.39	-0.14	-0.38	-0.05	6.84e-03	-0.02	-0.01	-1.01e-03	0.01
		15	0.26	0.09	-0.32	0.09	-0.32	0.03	0.01	-0.02	-4.36e-04	-2.34e-03	-0.02

16	2	2	0.67	0.52	-0.55	0.11	-0.14	-0.52	0.02	-0.01	5.67e-03	4.19e-03	0.02
		17	0.48	0.25	-0.49	-0.06	-0.17	-0.37	1.04e-03	-0.03	-0.02	-7.89e-03	-0.01
		24	0.25	-0.13	-0.39	-0.14	-0.38	-0.05	6.84e-03	-0.02	-0.01	-1.01e-03	0.01
		15	0.26	0.09	-0.32	0.09	-0.32	0.03	0.01	-0.02	-4.36e-04	-2.34e-03	-0.02
16	3	2	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		17	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		15	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
16	4	2	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		17	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		15	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
16	5	2	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		17	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		15	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
16	6	2	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		17	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		15	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
16	7	2	21.65	33.10	-0.67	5.04	27.38	12.66	-0.06	-0.34	-0.34	-0.06	-0.02
		17	21.21	32.77	0.62	4.92	28.47	-10.94	0.29	0.03	0.27	0.05	0.06
		24	20.86	32.30	0.72	4.77	28.25	10.56	0.28	0.03	0.26	0.05	-0.06
		15	21.86	33.30	-1.05	5.08	27.18	-13.14	-0.07	-0.33	-0.33	-0.07	0.02
16	8	2	11.68	4.85	-12.70	-2.83	-5.02	-8.71	0.50	-0.43	-0.32	0.39	0.30
		17	6.09	0.93	-6.64	0.47	-6.18	-1.81	0.76	0.32	0.36	0.72	0.13
		24	7.90	-1.36	-10.96	-3.71	-8.61	-4.13	-0.62	-1.13	-0.74	-1.01	0.22
		15	8.51	2.75	-8.75	2.67	-8.67	0.92	0.48	-0.42	0.47	-0.42	-0.05
16	9	2	23.67	36.18	-0.76	5.50	29.92	13.86	-0.06	-0.37	-0.37	-0.07	-0.02
		17	23.16	35.79	0.70	5.38	31.11	-11.92	0.32	0.04	0.30	0.06	0.07
		24	22.80	35.30	0.80	5.22	30.88	11.53	0.30	0.03	0.29	0.05	-0.07
		15	23.88	36.39	-1.15	5.54	29.70	-14.36	-0.08	-0.36	-0.36	-0.08	0.02
16	10	2	9.96	5.08	-9.94	-2.37	-2.49	-7.51	0.49	-0.46	-0.35	0.38	0.30
		17	5.41	2.27	-4.89	0.92	-3.54	-2.80	0.78	0.34	0.39	0.72	0.14
		24	6.14	-1.18	-8.05	-3.26	-5.98	-3.15	-0.61	-1.11	-0.72	-1.00	0.21
		15	7.14	3.14	-6.15	3.13	-6.15	-0.30	0.45	-0.42	0.44	-0.42	-0.05
16	11	2	21.65	33.10	-0.68	5.04	27.38	12.66	-0.06	-0.34	-0.34	-0.06	-0.02
		17	21.20	32.76	0.62	4.92	28.47	-10.93	0.29	0.03	0.27	0.05	0.06
		24	20.86	32.30	0.72	4.77	28.25	10.56	0.28	0.03	0.26	0.05	-0.06
		15	21.85	33.29	-1.04	5.08	27.18	-13.14	-0.07	-0.33	-0.33	-0.07	0.02
16	12	2	11.69	4.86	-12.71	-2.83	-5.02	-8.71	0.50	-0.43	-0.32	0.39	0.30
		17	6.09	0.93	-6.64	0.47	-6.18	-1.82	0.76	0.32	0.37	0.72	0.13
		24	7.90	-1.35	-10.96	-3.71	-8.61	-4.13	-0.62	-1.13	-0.74	-1.01	0.22
		15	8.51	2.75	-8.74	2.67	-8.67	0.92	0.48	-0.42	0.47	-0.42	-0.05
16	13	2	23.67	36.18	-0.77	5.50	29.92	13.87	-0.06	-0.37	-0.37	-0.07	-0.02
		17	23.15	35.78	0.70	5.37	31.11	-11.92	0.32	0.04	0.30	0.06	0.07
		24	22.80	35.30	0.80	5.22	30.88	11.53	0.30	0.03	0.29	0.05	-0.07
		15	23.88	36.39	-1.15	5.54	29.70	-14.36	-0.08	-0.36	-0.36	-0.08	0.02
16	14	2	9.97	5.08	-9.94	-2.37	-2.49	-7.51	0.49	-0.46	-0.35	0.39	0.30
		17	5.41	2.28	-4.89	0.92	-3.54	-2.80	0.78	0.34	0.39	0.72	0.14
		24	6.14	-1.18	-8.05	-3.26	-5.97	-3.16	-0.61	-1.11	-0.72	-1.00	0.21
		15	7.14	3.14	-6.15	3.13	-6.14	-0.30	0.45	-0.42	0.44	-0.42	-0.05
16	15	2	21.65	33.10	-0.67	5.04	27.38	12.66	-0.06	-0.34	-0.34	-0.06	-0.02
		17	21.21	32.77	0.62	4.92	28.47	-10.94	0.29	0.03	0.27	0.05	0.06
		24	20.86	32.30	0.72	4.77	28.25	10.56	0.28	0.03	0.26	0.05	-0.06
		15	21.86	33.30	-1.05	5.08	27.18	-13.14	-0.07	-0.33	-0.33	-0.07	0.02
16	16	2	11.68	4.85	-12.70	-2.83	-5.02	-8.71	0.50	-0.43	-0.32	0.39	0.30
		17	6.09	0.93	-6.64	0.47	-6.18	-1.81	0.76	0.32	0.36	0.72	0.13
		24	7.90	-1.36	-10.96	-3.71	-8.61	-4.13	-0.62	-1.13	-0.74	-1.01	0.22
		15	8.51	2.75	-8.75	2.67	-8.67	0.92	0.48	-0.42	0.47	-0.42	-0.05
16	17	2	23.67	36.18	-0.76	5.50	29.92	13.86	-0.06	-0.37	-0.37	-0.07	-0.02
		17	23.16	35.79	0.70	5.38	31.11	-11.92	0.32	0.04	0.30	0.06	0.07
		24	22.80	35.30	0.80	5.22	30.88	11.53	0.30	0.03	0.29	0.05	-0.07
		15	23.88	36.39	-1.15	5.54	29.70	-14.36	-0.08	-0.36	-0.36	-0.08	0.02
16	18	2	9.96	5.08	-9.94	-2.37	-2.49	-7.51	0.49	-0.46	-0.35	0.38	0.30
		17	5.41	2.27	-4.89	0.92	-3.54	-2.80	0.78	0.34	0.39	0.72	0.14
		24	6.14	-1.18	-8.05	-3.26	-5.98	-3.15	-0.61	-1.11	-0.72	-1.00	0.21
		15	7.14	3.14	-6.15	3.13	-6.15	-0.30	0.45	-0.42	0.44	-0.42	-0.05
16	19	2	21.65	33.10	-0.68	5.04	27.38	12.67	-0.06	-0.34	-0.34	-0.06	-0.02
		17	21.20	32.76	0.62	4.92	28.47	-10.93	0.29	0.03	0.27	0.05	0.06
		24	20.86	32.30	0.72	4.77	28.25	10.56	0.28	0.03	0.26	0.05	-0.06
		15	21.85	33.29	-1.04	5.08	27.18	-13.14	-0.07	-0.33	-0.33	-0.07	0.02
16	20	2	11.69	4.86	-12.71	-2.83	-5.02	-8.71	0.50	-0.43	-0.32	0.39	0.30
		17	6.09	0.93	-6.64	0.47	-6.18	-1.82	0.76	0.32	0.37	0.72	0.13
		24	7.90	-1.35	-10.96	-3.71	-8.61	-4.13	-0.62	-1.13	-0.74	-1.01	0.22
		15	8.51	2.75	-8.74	2.67	-8.67	0.92	0.48	-0.42	0.47	-0.42	-0.05
16	21	2	23.67	36.18	-0.77	5.50	29.92	13.86	-0.06	-0.37	-0.37	-0.07	-0.02

		17	23.15	35.78	0.70	5.37	31.11	-11.92	0.32	0.04	0.30	0.06	0.07
		24	22.80	35.30	0.80	5.22	30.88	11.53	0.30	0.03	0.29	0.05	-0.07
		15	23.88	36.39	-1.15	5.54	29.70	-14.36	-0.08	-0.36	-0.36	-0.08	0.02
16	22	2	9.97	5.08	-9.94	-2.37	-2.49	-7.51	0.49	-0.46	-0.35	0.39	0.30
		17	5.41	2.28	-4.89	0.92	-3.54	-2.80	0.78	0.34	0.39	0.72	0.14
		24	6.14	-1.18	-8.05	-3.26	-5.97	-3.16	-0.61	-1.11	-0.72	-1.00	0.21
		15	7.14	3.14	-6.15	3.13	-6.14	-0.30	0.45	-0.42	0.44	-0.42	-0.05
16	23	2	83.65	127.57	-3.56	19.02	104.99	49.51	-0.23	-1.31	-1.31	-0.24	-0.10
		17	80.81	125.09	3.06	18.93	109.23	-41.04	1.17	0.14	1.09	0.21	0.27
		24	80.27	124.29	3.08	18.56	108.81	40.45	1.10	0.11	1.03	0.18	-0.26
		15	83.94	127.88	-4.10	19.20	104.58	-50.32	-0.27	-1.27	-1.25	-0.28	0.11
16	24	2	28.83	16.71	-26.95	-7.21	-3.03	-21.73	1.60	-1.56	-1.23	1.26	0.97
		17	17.11	10.72	-12.93	4.09	-6.29	-10.63	2.64	1.19	1.39	2.44	0.51
		24	16.80	-3.12	-20.65	-9.71	-14.05	-8.49	-1.99	-3.66	-2.31	-3.33	0.66
		15	21.21	11.64	-15.37	11.19	-14.92	-3.44	1.42	-1.42	1.42	-1.41	-0.12
16	25	2	84.26	128.50	-3.59	19.16	105.75	49.87	-0.23	-1.32	-1.31	-0.24	-0.10
		17	81.39	125.99	3.09	19.06	110.02	-41.33	1.18	0.14	1.10	0.21	0.27
		24	80.85	125.19	3.10	18.69	109.60	40.74	1.11	0.11	1.04	0.18	-0.26
		15	84.55	128.81	-4.13	19.34	105.34	-50.69	-0.27	-1.27	-1.26	-0.28	0.11
16	26	2	28.36	16.83	-26.18	-7.08	-2.27	-21.37	1.59	-1.57	-1.24	1.26	0.97
		17	17.13	11.32	-12.59	4.22	-5.50	-10.92	2.65	1.19	1.40	2.44	0.51
		24	16.31	-3.02	-19.82	-9.58	-13.26	-8.20	-1.99	-3.65	-2.31	-3.33	0.66
		15	20.93	11.89	-14.72	11.33	-14.16	-3.81	1.42	-1.42	1.41	-1.42	-0.12
16	27	2	83.65	127.57	-3.56	19.02	104.99	49.51	-0.23	-1.31	-1.31	-0.24	-0.10
		17	80.81	125.09	3.06	18.93	109.23	-41.04	1.17	0.14	1.09	0.21	0.27
		24	80.27	124.29	3.08	18.56	108.81	40.45	1.10	0.11	1.03	0.18	-0.26
		15	83.94	127.88	-4.10	19.20	104.58	-50.32	-0.27	-1.27	-1.25	-0.28	0.11
16	28	2	28.83	16.71	-26.95	-7.21	-3.03	-21.73	1.60	-1.56	-1.23	1.26	0.97
		17	17.11	10.72	-12.93	4.09	-6.29	-10.63	2.64	1.19	1.39	2.44	0.51
		24	16.80	-3.12	-20.65	-9.71	-14.05	-8.49	-1.99	-3.66	-2.31	-3.33	0.66
		15	21.21	11.64	-15.37	11.19	-14.92	-3.44	1.42	-1.42	1.42	-1.41	-0.12
16	29	2	84.26	128.50	-3.59	19.16	105.75	49.87	-0.23	-1.32	-1.31	-0.24	-0.10
		17	81.39	125.99	3.09	19.06	110.02	-41.33	1.18	0.14	1.10	0.21	0.27
		24	80.85	125.19	3.10	18.69	109.60	40.74	1.11	0.11	1.04	0.18	-0.26
		15	84.55	128.81	-4.13	19.34	105.34	-50.69	-0.27	-1.27	-1.26	-0.28	0.11
16	30	2	28.36	16.83	-26.18	-7.08	-2.27	-21.37	1.59	-1.57	-1.24	1.26	0.97
		17	17.13	11.32	-12.59	4.22	-5.50	-10.92	2.65	1.19	1.40	2.44	0.51
		24	16.31	-3.02	-19.82	-9.58	-13.26	-8.20	-1.99	-3.65	-2.31	-3.33	0.66
		15	20.93	11.89	-14.72	11.33	-14.16	-3.81	1.42	-1.42	1.41	-1.42	-0.12
16	31	2	83.66	127.58	-3.57	19.02	104.99	49.52	-0.23	-1.32	-1.31	-0.24	-0.10
		17	80.79	125.07	3.07	18.92	109.21	-41.02	1.17	0.14	1.09	0.21	0.27
		24	80.27	124.28	3.07	18.55	108.80	40.46	1.10	0.11	1.03	0.18	-0.26
		15	83.92	127.87	-4.09	19.20	104.57	-50.31	-0.27	-1.27	-1.25	-0.28	0.11
16	32	2	28.84	16.72	-26.95	-7.21	-3.02	-21.74	1.60	-1.56	-1.23	1.26	0.97
		17	17.12	10.74	-12.93	4.09	-6.28	-10.64	2.64	1.19	1.39	2.44	0.51
		24	16.80	-3.10	-20.65	-9.71	-14.04	-8.50	-1.99	-3.66	-2.31	-3.33	0.66
		15	21.21	11.64	-15.36	11.19	-14.92	-3.45	1.43	-1.42	1.42	-1.41	-0.12
16	33	2	84.26	128.50	-3.60	19.15	105.75	49.88	-0.23	-1.32	-1.32	-0.24	-0.10
		17	81.38	125.97	3.09	19.06	110.00	-41.32	1.18	0.14	1.10	0.21	0.27
		24	80.85	125.18	3.09	18.69	109.59	40.76	1.11	0.11	1.04	0.18	-0.26
		15	84.53	128.79	-4.12	19.34	105.33	-50.68	-0.27	-1.27	-1.26	-0.28	0.11
16	34	2	28.37	16.85	-26.18	-7.07	-2.26	-21.38	1.59	-1.57	-1.24	1.26	0.97
		17	17.14	11.34	-12.59	4.23	-5.48	-10.93	2.65	1.19	1.40	2.44	0.51
		24	16.31	-3.00	-19.83	-9.58	-13.25	-8.21	-1.99	-3.65	-2.31	-3.33	0.66
		15	20.93	11.89	-14.72	11.33	-14.16	-3.82	1.42	-1.42	1.41	-1.42	-0.12
16	35	2	83.66	127.58	-3.57	19.02	104.99	49.52	-0.23	-1.32	-1.31	-0.24	-0.10
		17	80.79	125.07	3.07	18.92	109.21	-41.02	1.17	0.14	1.09	0.21	0.27
		24	80.27	124.28	3.07	18.55	108.80	40.46	1.10	0.11	1.03	0.18	-0.26
		15	83.92	127.87	-4.09	19.20	104.57	-50.31	-0.27	-1.27	-1.25	-0.28	0.11
16	36	2	28.84	16.72	-26.95	-7.21	-3.02	-21.74	1.60	-1.56	-1.23	1.26	0.97
		17	17.12	10.74	-12.93	4.09	-6.28	-10.64	2.64	1.19	1.39	2.44	0.51
		24	16.80	-3.10	-20.65	-9.71	-14.04	-8.50	-1.99	-3.66	-2.31	-3.33	0.66
		15	21.21	11.64	-15.36	11.19	-14.92	-3.45	1.43	-1.42	1.42	-1.41	-0.12
16	37	2	84.26	128.50	-3.60	19.15	105.75	49.88	-0.23	-1.32	-1.32	-0.24	-0.10
		17	81.38	125.97	3.09	19.06	110.00	-41.32	1.18	0.14	1.10	0.21	0.27
		24	80.85	125.18	3.09	18.69	109.59	40.76	1.11	0.11	1.04	0.18	-0.26
		15	84.53	128.79	-4.12	19.34	105.33	-50.68	-0.27	-1.27	-1.26	-0.28	0.11
16	38	2	28.37	16.85	-26.18	-7.07	-2.26	-21.38	1.59	-1.57	-1.24	1.26	0.97
		17	17.14	11.34	-12.59	4.23	-5.48	-10.93	2.65	1.19	1.40	2.44	0.51
		24	16.31	-3.00	-19.83	-9.58	-13.25	-8.21	-1.99	-3.65	-2.31	-3.33	0.66
		15	20.93	11.89	-14.72	11.33	-14.16	-3.82	1.42	-1.42	1.41	-1.42	-0.12
16	39	2	0.50	0.39	-0.41	0.09	-0.11	-0.39	0.02	-8.61e-03	4.02e-03	3.12e-03	0.01
		17	0.35	0.18	-0.36	-0.04	-0.14	-0.27	5.76e-04	-0.02	-0.02	-6.22e-03	-0.01
		24	0.18	-0.11	-0.30	-0.11	-0.29	-0.03	5.14e-03	-0.02	-0.01	-9.01e-04	9.84e-03
		15	0.21	0.08	-0.25	0.07	-0.25	0.04	0.01	-0.01	-5.27e-04	-1.88e-03	-0.01
16	40	2	0.53	0.42	-0.44	0.09	-0.11	-0.42	0.02	-8.27e-03	4.68e-03	3.30e-03	0.01
		17	0.39	0.21	-0.39	-0.05	-0.13	-0.30	9.90e-04	-0.02	-0.01	-5.96e-03	-0.01

		24	0.20	-0.09	-0.31	-0.11	-0.29	-0.06	5.35e-03	-0.02	-0.01	-6.87e-04	9.78e-03
		15	0.20	0.07	-0.24	0.07	-0.24	4.58e-03	0.01	-0.01	-1.50e-04	-1.75e-03	-0.01
16	41	2	0.50	0.39	-0.41	0.09	-0.11	-0.39	0.02	-8.59e-03	4.05e-03	3.14e-03	0.01
		17	0.35	0.18	-0.36	-0.04	-0.14	-0.27	6.17e-04	-0.02	-0.02	-6.18e-03	-0.01
		24	0.18	-0.11	-0.30	-0.11	-0.29	-0.03	5.17e-03	-0.02	-0.01	-8.67e-04	9.83e-03
		15	0.21	0.08	-0.25	0.07	-0.25	0.04	0.01	-0.01	-5.20e-04	-1.86e-03	-0.01
16	42	2	0.53	0.42	-0.44	0.09	-0.11	-0.42	0.02	-8.24e-03	4.71e-03	3.33e-03	0.01
		17	0.39	0.21	-0.39	-0.05	-0.13	-0.30	1.03e-03	-0.02	-0.01	-5.92e-03	-0.01
		24	0.20	-0.09	-0.31	-0.11	-0.29	-0.06	5.38e-03	-0.02	-0.01	-6.53e-04	9.77e-03
		15	0.19	0.07	-0.24	0.07	-0.24	4.64e-03	0.01	-0.01	-1.43e-04	-1.73e-03	-0.01
16	43	2	0.49	0.39	-0.41	0.09	-0.11	-0.38	0.02	-8.67e-03	3.89e-03	3.09e-03	0.01
		17	0.35	0.18	-0.36	-0.04	-0.14	-0.26	5.23e-04	-0.02	-0.02	-6.24e-03	-0.01
		24	0.18	-0.11	-0.30	-0.11	-0.30	-0.02	5.12e-03	-0.02	-0.01	-9.08e-04	9.84e-03
		15	0.21	0.08	-0.25	0.07	-0.25	0.04	0.01	-0.01	-5.85e-04	-1.89e-03	-0.01
16	44	2	0.53	0.42	-0.44	0.09	-0.11	-0.42	0.02	-8.21e-03	4.81e-03	3.33e-03	0.01
		17	0.39	0.21	-0.39	-0.05	-0.13	-0.30	1.04e-03	-0.02	-0.01	-5.94e-03	-0.01
		24	0.20	-0.09	-0.30	-0.11	-0.29	-0.06	5.37e-03	-0.02	-0.01	-6.81e-04	9.78e-03
		15	0.20	0.07	-0.24	0.07	-0.24	3.26e-03	0.01	-0.01	-9.17e-05	-1.74e-03	-0.01
16	45	2	0.49	0.38	-0.41	0.09	-0.11	-0.38	0.02	-8.65e-03	3.92e-03	3.12e-03	0.01
		17	0.35	0.18	-0.36	-0.05	-0.14	-0.26	5.65e-04	-0.02	-0.02	-6.20e-03	-0.01
		24	0.18	-0.11	-0.30	-0.11	-0.30	-0.02	5.14e-03	-0.02	-0.01	-8.73e-04	9.83e-03
		15	0.21	0.08	-0.25	0.07	-0.25	0.04	0.01	-0.01	-5.78e-04	-1.87e-03	-0.01
16	46	2	0.53	0.42	-0.44	0.09	-0.11	-0.42	0.02	-8.18e-03	4.84e-03	3.35e-03	0.01
		17	0.39	0.21	-0.39	-0.05	-0.13	-0.30	1.09e-03	-0.02	-0.01	-5.90e-03	-0.01
		24	0.20	-0.09	-0.30	-0.11	-0.29	-0.06	5.40e-03	-0.02	-0.01	-6.46e-04	9.78e-03
		15	0.20	0.07	-0.24	0.07	-0.24	3.32e-03	0.01	-0.01	-8.46e-05	-1.72e-03	-0.01
16	47	2	0.50	0.39	-0.41	0.09	-0.11	-0.39	0.02	-8.61e-03	4.02e-03	3.12e-03	0.01
		17	0.35	0.18	-0.36	-0.04	-0.14	-0.27	5.82e-04	-0.02	-0.02	-6.22e-03	-0.01
		24	0.18	-0.11	-0.30	-0.11	-0.29	-0.03	5.14e-03	-0.02	-0.01	-9.00e-04	9.83e-03
		15	0.21	0.08	-0.25	0.07	-0.25	0.04	0.01	-0.01	-5.26e-04	-1.88e-03	-0.01
16	48	2	0.53	0.42	-0.44	0.09	-0.11	-0.42	0.02	-8.27e-03	4.68e-03	3.30e-03	0.01
		17	0.39	0.21	-0.39	-0.05	-0.13	-0.30	9.97e-04	-0.02	-0.01	-5.96e-03	-0.01
		24	0.20	-0.09	-0.31	-0.11	-0.29	-0.06	5.35e-03	-0.02	-0.01	-6.54e-04	9.77e-03
		15	0.20	0.07	-0.24	0.07	-0.24	4.64e-03	0.01	-0.01	-1.49e-04	-1.75e-03	-0.01
16	49	2	0.50	0.39	-0.41	0.09	-0.11	-0.39	0.02	-8.58e-03	4.05e-03	3.14e-03	0.01
		17	0.35	0.18	-0.36	-0.04	-0.14	-0.27	6.11e-04	-0.02	-0.02	-6.18e-03	-0.01
		24	0.18	-0.11	-0.30	-0.11	-0.29	-0.03	5.17e-03	-0.02	-0.01	-8.68e-04	9.84e-03
		15	0.21	0.08	-0.25	0.07	-0.25	0.04	0.01	-0.01	-5.21e-04	-1.86e-03	-0.01
16	50	2	0.53	0.42	-0.44	0.09	-0.11	-0.42	0.02	-8.24e-03	4.70e-03	3.33e-03	0.01
		17	0.39	0.21	-0.39	-0.05	-0.13	-0.30	1.03e-03	-0.02	-0.01	-5.92e-03	-0.01
		24	0.20	-0.09	-0.31	-0.11	-0.29	-0.06	5.38e-03	-0.02	-0.01	-6.54e-04	9.78e-03
		15	0.20	0.07	-0.24	0.07	-0.24	4.58e-03	0.01	-0.01	-1.44e-04	-1.73e-03	-0.01
16	51	2	0.49	0.38	-0.41	0.09	-0.11	-0.38	0.02	-8.67e-03	3.89e-03	3.09e-03	0.01
		17	0.35	0.18	-0.36	-0.04	-0.14	-0.26	5.30e-04	-0.02	-0.02	-6.24e-03	-0.01
		24	0.18	-0.11	-0.30	-0.11	-0.30	-0.02	5.12e-03	-0.02	-0.01	-9.06e-04	9.83e-03
		15	0.21	0.08	-0.25	0.07	-0.25	0.04	0.01	-0.01	-5.84e-04	-1.89e-03	-0.01
16	52	2	0.53	0.42	-0.44	0.09	-0.11	-0.42	0.02	-8.21e-03	4.81e-03	3.33e-03	0.01
		17	0.39	0.21	-0.39	-0.05	-0.13	-0.30	1.05e-03	-0.02	-0.01	-5.94e-03	-0.01
		24	0.20	-0.09	-0.30	-0.11	-0.29	-0.06	5.37e-03	-0.02	-0.01	-6.79e-04	9.78e-03
		15	0.20	0.07	-0.24	0.07	-0.24	3.32e-03	0.01	-0.01	-9.06e-05	-1.74e-03	-0.01
16	53	2	0.49	0.38	-0.41	0.09	-0.11	-0.38	0.02	-8.65e-03	3.92e-03	3.12e-03	0.01
		17	0.35	0.18	-0.36	-0.05	-0.14	-0.26	5.58e-04	-0.02	-0.02	-6.20e-03	-0.01
		24	0.18	-0.11	-0.30	-0.11	-0.30	-0.02	5.15e-03	-0.02	-0.01	-8.75e-04	9.84e-03
		15	0.21	0.08	-0.25	0.07	-0.25	0.04	0.01	-0.01	-5.80e-04	-1.87e-03	-0.01
16	54	2	0.53	0.42	-0.44	0.09	-0.11	-0.42	0.02	-8.18e-03	4.84e-03	3.35e-03	0.01
		17	0.39	0.21	-0.39	-0.05	-0.13	-0.30	1.08e-03	-0.02	-0.01	-5.90e-03	-0.01
		24	0.20	-0.09	-0.30	-0.11	-0.29	-0.06	5.40e-03	-0.02	-0.01	-6.48e-04	9.78e-03
		15	0.20	0.07	-0.24	0.07	-0.24	3.26e-03	0.01	-0.01	-8.57e-05	-1.72e-03	-0.01
16	55	2	0.46	0.35	-0.37	0.09	-0.11	-0.35	0.02	-9.01e-03	3.27e-03	2.91e-03	0.01
		17	0.31	0.14	-0.33	-0.04	-0.14	-0.23	1.12e-04	-0.02	-0.02	-6.51e-03	-0.01
		24	0.18	-0.11	-0.30	-0.11	-0.30	0.01	4.91e-03	-0.02	-0.01	-1.14e-03	9.90e-03
		15	0.23	0.09	-0.26	0.07	-0.25	0.07	0.01	-0.01	-9.63e-04	-2.03e-03	-0.01
16	56	2	0.57	0.45	-0.48	0.08	-0.11	-0.45	0.02	-7.87e-03	5.45e-03	3.53e-03	0.01
		17	0.43	0.25	-0.42	-0.05	-0.13	-0.33	1.49e-03	-0.02	-0.01	-5.64e-03	-0.01
		24	0.22	-0.07	-0.32	-0.11	-0.28	-0.09	5.61e-03	-0.02	-0.01	-4.25e-04	9.71e-03
		15	0.21	0.08	-0.25	0.07	-0.24	-0.03	0.01	-0.01	2.91e-04	-1.58e-03	-0.01
16	57	2	0.46	0.35	-0.37	0.09	-0.11	-0.35	0.02	-9.00e-03	3.28e-03	2.92e-03	0.01
		17	0.31	0.14	-0.33	-0.04	-0.14	-0.23	1.24e-04	-0.02	-0.02	-6.50e-03	-0.01
		24	0.18	-0.11	-0.30	-0.11	-0.30	0.01	4.91e-03	-0.02	-0.01	-1.13e-03	9.90e-03
		15	0.23	0.09	-0.26	0.07	-0.25	0.07	0.01	-0.01	-9.61e-04	-2.02e-03	-0.01
16	58	2	0.57	0.45	-0.48	0.08	-0.11	-0.45	0.02	-7.86e-03	5.46e-03	3.54e-03	0.01
		17	0.43	0.25	-0.42	-0.05	-0.13	-0.33	1.50e-03	-0.02	-0.01	-5.63e-03	-0.01
		24	0.22	-0.07	-0.32	-0.11	-0.28	-0.09	5.61e-03	-0.02	-0.01	-4.15e-04	9.71e-03
		15	0.21	0.08	-0.25	0.07	-0.24	-0.03	0.01	-0.01	2.93e-04	-1.58e-03	-0.01
16	59	2	0.46	0.35	-0.37	0.09	-0.11	-0.35	0.02	-9.01e-03	3.27e-03	2.91e-03	0.01
		17	0.31	0.14	-0.33	-0.04	-0.14	-0.23	1.14e-04	-0.02	-0.02	-6.51e-03	-0.01
		24	0.18	-0.11	-0.30	-0.11	-0.30	0.01	4.90e-03	-0.02	-0.01	-1.14e-03	9.90e-03

16	60	15	0.23	0.09	-0.26	0.07	-0.25	0.07	0.01	-0.01	-9.63e-04	-2.03e-03	-0.01
		2	0.57	0.45	-0.48	0.08	-0.11	-0.45	0.02	-7.87e-03	5.45e-03	3.53e-03	0.01
		17	0.43	0.25	-0.42	-0.05	-0.13	-0.33	1.49e-03	-0.02	-0.01	-5.64e-03	-0.01
		24	0.22	-0.07	-0.32	-0.11	-0.28	-0.09	5.61e-03	-0.02	-0.01	-4.25e-04	9.71e-03
		15	0.21	0.08	-0.25	0.07	-0.24	-0.03	0.01	-0.01	2.91e-04	-1.58e-03	-0.01
16	61	2	0.46	0.35	-0.37	0.09	-0.11	-0.35	0.02	-9.00e-03	3.28e-03	2.92e-03	0.01
		17	0.31	0.14	-0.33	-0.04	-0.14	-0.23	1.23e-04	-0.02	-0.02	-6.50e-03	-0.01
		24	0.18	-0.11	-0.30	-0.11	-0.30	0.01	4.91e-03	-0.02	-0.01	-1.13e-03	9.90e-03
		15	0.23	0.09	-0.26	0.07	-0.25	0.07	0.01	-0.01	-9.62e-04	-2.02e-03	-0.01
16	62	2	0.57	0.45	-0.48	0.08	-0.11	-0.45	0.02	-7.86e-03	5.46e-03	3.54e-03	0.01
		17	0.43	0.25	-0.42	-0.05	-0.13	-0.33	1.50e-03	-0.02	-0.01	-5.63e-03	-0.01
		24	0.22	-0.07	-0.32	-0.11	-0.28	-0.09	5.62e-03	-0.02	-0.01	-4.15e-04	9.71e-03
		15	0.21	0.08	-0.25	0.07	-0.24	-0.03	0.01	-0.01	2.93e-04	-1.58e-03	-0.01
16	63	2	0.45	0.35	-0.37	0.09	-0.11	-0.34	0.01	-9.21e-03	2.83e-03	2.83e-03	0.01
		17	0.31	0.13	-0.32	-0.04	-0.15	-0.22	-5.97e-05	-0.02	-0.02	-6.57e-03	-0.01
		24	0.18	-0.11	-0.31	-0.11	-0.30	0.02	4.84e-03	-0.02	-0.01	-1.16e-03	9.90e-03
		15	0.23	0.09	-0.27	0.07	-0.25	0.08	0.01	-0.01	-1.16e-03	-2.06e-03	-0.01
16	64	2	0.58	0.46	-0.48	0.08	-0.11	-0.46	0.02	-7.67e-03	5.89e-03	3.60e-03	0.01
		17	0.43	0.26	-0.42	-0.05	-0.12	-0.34	1.68e-03	-0.02	-0.01	-5.58e-03	-0.01
		24	0.22	-0.06	-0.32	-0.11	-0.28	-0.10	5.68e-03	-0.02	-9.84e-03	-4.03e-04	9.71e-03
		15	0.21	0.08	-0.24	0.07	-0.24	-0.04	0.01	-0.01	4.87e-04	-1.55e-03	-0.01
16	65	2	0.45	0.35	-0.37	0.09	-0.11	-0.34	0.01	-9.21e-03	2.84e-03	2.84e-03	0.01
		17	0.31	0.13	-0.32	-0.04	-0.15	-0.22	-4.73e-05	-0.02	-0.02	-6.56e-03	-0.01
		24	0.18	-0.11	-0.31	-0.11	-0.30	0.02	4.84e-03	-0.02	-0.01	-1.15e-03	9.90e-03
		15	0.23	0.09	-0.27	0.07	-0.25	0.08	0.01	-0.01	-1.16e-03	-2.06e-03	-0.01
16	66	2	0.58	0.46	-0.48	0.08	-0.11	-0.46	0.02	-7.66e-03	5.90e-03	3.61e-03	0.01
		17	0.43	0.26	-0.42	-0.05	-0.12	-0.34	1.69e-03	-0.02	-0.01	-5.57e-03	-0.01
		24	0.22	-0.06	-0.32	-0.11	-0.28	-0.10	5.69e-03	-0.02	-9.83e-03	-3.93e-04	9.71e-03
		15	0.21	0.08	-0.24	0.07	-0.24	-0.04	0.01	-0.01	4.89e-04	-1.54e-03	-0.01
16	67	2	0.45	0.35	-0.37	0.09	-0.11	-0.34	0.01	-9.21e-03	2.83e-03	2.83e-03	0.01
		17	0.31	0.13	-0.32	-0.04	-0.15	-0.22	-5.79e-05	-0.02	-0.02	-6.57e-03	-0.01
		24	0.18	-0.11	-0.31	-0.11	-0.30	0.02	4.84e-03	-0.02	-0.01	-1.16e-03	9.90e-03
		15	0.23	0.09	-0.27	0.07	-0.25	0.08	0.01	-0.01	-1.16e-03	-2.06e-03	-0.01
16	68	2	0.58	0.46	-0.48	0.08	-0.11	-0.46	0.02	-7.67e-03	5.89e-03	3.61e-03	0.01
		17	0.43	0.26	-0.42	-0.05	-0.12	-0.34	1.68e-03	-0.02	-0.01	-5.58e-03	-0.01
		24	0.22	-0.06	-0.32	-0.11	-0.28	-0.10	5.68e-03	-0.02	-9.83e-03	-4.03e-04	9.71e-03
		15	0.21	0.08	-0.24	0.07	-0.24	-0.04	0.01	-0.01	4.87e-04	-1.55e-03	-0.01
16	69	2	0.45	0.35	-0.37	0.09	-0.11	-0.34	0.01	-9.21e-03	2.84e-03	2.84e-03	0.01
		17	0.31	0.13	-0.32	-0.04	-0.15	-0.22	-4.92e-05	-0.02	-0.02	-6.56e-03	-0.01
		24	0.18	-0.11	-0.31	-0.11	-0.30	0.02	4.84e-03	-0.02	-0.01	-1.15e-03	9.90e-03
		15	0.23	0.09	-0.27	0.07	-0.25	0.08	0.01	-0.01	-1.16e-03	-2.06e-03	-0.01
16	70	2	0.58	0.46	-0.48	0.08	-0.11	-0.46	0.02	-7.66e-03	5.89e-03	3.61e-03	0.01
		17	0.43	0.26	-0.42	-0.05	-0.12	-0.34	1.69e-03	-0.02	-0.01	-5.57e-03	-0.01
		24	0.22	-0.06	-0.32	-0.11	-0.28	-0.10	5.69e-03	-0.02	-9.83e-03	-3.94e-04	9.71e-03
		15	0.21	0.08	-0.24	0.07	-0.24	-0.04	0.01	-0.01	4.89e-04	-1.54e-03	-0.01
16	71	2	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		17	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		15	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
16	72	2	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		17	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		15	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
16	73	2	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		17	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		15	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
16	74	2	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		17	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		15	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
16	75	2	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		17	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		15	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
16	76	2	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		17	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
		24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		15	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
17	1	18	0.55	0.57	-0.37	0.06	0.14	-0.47	7.81e-03	-1.58e-03	4.29e-03	1.93e-03	4.54e-03
		26	0.38	0.41	-0.24	0.05	0.12	-0.32	1.06e-04	-9.94e-03	-7.60e-03	-2.23e-03	-4.24e-03
		25	0.36	-0.04	-0.55	-0.24	-0.35	-0.25	2.72e-03	-5.15e-03	-9.98e-04	-1.43e-03	3.93e-03
		17	0.42	0.07	-0.58	-0.15	-0.37	-0.30	1.22e-03	-8.15e-03	-3.70e-03	-3.23e-03	-4.68e-03
17	2	18	0.55	0.57	-0.37	0.06	0.14	-0.47	7.81e-03	-1.58e-03	4.29e-03	1.93e-03	4.54e-03
		26	0.38	0.41	-0.24	0.05	0.12	-0.32	1.06e-04	-9.94e-03	-7.60e-03	-2.23e-03	-4.24e-03
		25	0.36	-0.04	-0.55	-0.24	-0.35	-0.25	2.72e-03	-5.15e-03	-9.98e-04	-1.43e-03	3.93e-03
		17	0.42	0.07	-0.58	-0.15	-0.37	-0.30	1.22e-03	-8.15e-03	-3.70e-03	-3.23e-03	-4.68e-03

17	3	18	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		25	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		17	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
17	4	18	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		25	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		17	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
17	5	18	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		25	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		17	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
17	6	18	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		25	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		17	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
17	7	18	21.12	32.83	0.67	5.04	28.46	11.02	0.03	-0.16	-0.11	-0.01	-0.08
		26	20.96	32.49	0.63	5.10	28.02	-11.07	0.13	-0.03	0.08	0.03	0.08
		25	20.51	31.73	0.58	4.72	27.59	10.58	0.12	-0.04	0.07	0.01	-0.07
		17	21.45	32.88	-0.10	4.80	27.98	-11.72	0.02	-0.17	-0.12	-0.03	0.09
17	8	18	4.38	0.24	-5.32	-0.77	-4.31	-2.15	0.05	-0.32	-8.09e-03	-0.26	-0.14
		26	3.75	0.03	-4.99	-0.82	-4.14	1.88	-0.04	-0.39	-0.06	-0.37	-0.08
		25	7.00	2.64	-6.89	1.21	-5.46	-3.41	0.90	0.26	0.26	0.90	0.01
		17	4.81	-0.47	-5.52	-0.47	-5.52	-0.05	0.64	0.20	0.20	0.64	0.02
17	9	18	23.09	35.87	0.70	5.50	31.07	12.07	0.04	-0.18	-0.13	-0.01	-0.09
		26	22.88	35.46	0.70	5.57	30.59	-12.07	0.15	-0.03	0.09	0.03	0.08
		25	22.42	34.69	0.64	5.18	30.16	11.57	0.13	-0.04	0.08	0.01	-0.08
		17	23.42	35.92	-0.08	5.25	30.59	-12.78	0.03	-0.19	-0.13	-0.03	0.09
17	10	18	2.47	0.29	-2.30	-0.31	-1.70	-1.10	0.05	-0.33	-0.02	-0.26	-0.15
		26	1.91	0.11	-2.03	-0.35	-1.57	0.88	-0.04	-0.39	-0.06	-0.37	-0.07
		25	5.11	2.70	-3.93	1.66	-2.89	-2.41	0.90	0.27	0.27	0.90	5.87e-03
		17	3.53	0.36	-3.29	-0.01	-2.91	-1.11	0.64	0.19	0.19	0.64	0.03
17	11	18	21.12	32.82	0.67	5.04	28.45	11.02	0.03	-0.16	-0.11	-0.01	-0.08
		26	20.96	32.49	0.63	5.10	28.01	-11.07	0.13	-0.03	0.08	0.03	0.08
		25	20.50	31.73	0.58	4.72	27.59	10.57	0.12	-0.04	0.07	0.01	-0.07
		17	21.44	32.87	-0.10	4.80	27.98	-11.72	0.02	-0.17	-0.12	-0.03	0.09
17	12	18	4.37	0.24	-5.31	-0.77	-4.30	-2.14	0.05	-0.32	-8.20e-03	-0.26	-0.14
		26	3.75	0.03	-4.98	-0.81	-4.13	1.88	-0.04	-0.39	-0.06	-0.37	-0.08
		25	6.99	2.64	-6.89	1.21	-5.46	-3.40	0.90	0.26	0.26	0.90	0.01
		17	4.81	-0.46	-5.51	-0.46	-5.51	-0.05	0.64	0.20	0.20	0.64	0.02
17	13	18	23.08	35.86	0.70	5.50	31.06	12.07	0.04	-0.18	-0.13	-0.01	-0.09
		26	22.88	35.46	0.69	5.57	30.59	-12.07	0.15	-0.03	0.09	0.03	0.08
		25	22.41	34.69	0.64	5.17	30.16	11.57	0.14	-0.04	0.08	0.01	-0.08
		17	23.42	35.91	-0.08	5.25	30.58	-12.78	0.03	-0.19	-0.13	-0.03	0.09
17	14	18	2.47	0.30	-2.29	-0.31	-1.69	-1.10	0.05	-0.33	-0.02	-0.26	-0.15
		26	1.90	0.12	-2.02	-0.35	-1.56	0.88	-0.04	-0.39	-0.06	-0.37	-0.07
		25	5.11	2.70	-3.93	1.66	-2.89	-2.41	0.90	0.27	0.27	0.90	5.85e-03
		17	3.53	0.36	-3.28	-9.83e-03	-2.91	-1.11	0.64	0.19	0.19	0.64	0.03
17	15	18	21.12	32.83	0.67	5.04	28.46	11.02	0.03	-0.16	-0.11	-0.01	-0.08
		26	20.96	32.49	0.63	5.10	28.02	-11.07	0.13	-0.03	0.08	0.03	0.08
		25	20.51	31.73	0.58	4.72	27.59	10.58	0.12	-0.04	0.07	0.01	-0.07
		17	21.44	32.88	-0.10	4.80	27.98	-11.72	0.02	-0.17	-0.12	-0.03	0.09
17	16	18	4.38	0.24	-5.32	-0.77	-4.31	-2.15	0.05	-0.32	-8.09e-03	-0.26	-0.14
		26	3.75	0.03	-4.99	-0.82	-4.14	1.88	-0.04	-0.39	-0.06	-0.37	-0.08
		25	7.00	2.64	-6.89	1.21	-5.46	-3.41	0.90	0.26	0.26	0.90	0.01
		17	4.81	-0.47	-5.52	-0.47	-5.52	-0.05	0.64	0.20	0.20	0.64	0.02
17	17	18	23.09	35.87	0.70	5.50	31.07	12.07	0.04	-0.18	-0.13	-0.01	-0.09
		26	22.88	35.46	0.70	5.57	30.59	-12.07	0.15	-0.03	0.09	0.03	0.08
		25	22.42	34.69	0.64	5.18	30.16	11.57	0.13	-0.04	0.08	0.01	-0.08
		17	23.42	35.92	-0.08	5.25	30.59	-12.78	0.03	-0.19	-0.13	-0.03	0.09
17	18	18	2.47	0.29	-2.30	-0.31	-1.70	-1.10	0.05	-0.33	-0.02	-0.26	-0.15
		26	1.91	0.11	-2.03	-0.35	-1.57	0.88	-0.04	-0.39	-0.06	-0.37	-0.07
		25	5.11	2.70	-3.93	1.66	-2.89	-2.41	0.90	0.27	0.27	0.90	5.88e-03
		17	3.53	0.36	-3.29	-0.01	-2.91	-1.11	0.64	0.19	0.19	0.64	0.03
17	19	18	21.12	32.82	0.67	5.04	28.45	11.02	0.03	-0.16	-0.11	-0.01	-0.08
		26	20.96	32.49	0.63	5.10	28.01	-11.07	0.13	-0.03	0.08	0.03	0.08
		25	20.50	31.73	0.58	4.72	27.59	10.57	0.12	-0.04	0.07	0.01	-0.07
		17	21.44	32.87	-0.10	4.80	27.98	-11.72	0.02	-0.17	-0.12	-0.03	0.09
17	20	18	4.37	0.24	-5.31	-0.77	-4.30	-2.14	0.05	-0.32	-8.20e-03	-0.26	-0.14
		26	3.75	0.03	-4.98	-0.81	-4.13	1.88	-0.04	-0.39	-0.06	-0.37	-0.08
		25	6.99	2.64	-6.89	1.21	-5.46	-3.40	0.90	0.26	0.26	0.90	0.01
		17	4.80	-0.46	-5.51	-0.46	-5.51	-0.05	0.64	0.20	0.20	0.64	0.02
17	21	18	23.08	35.86	0.70	5.50	31.06	12.07	0.04	-0.18	-0.13	-0.01	-0.09
		26	22.88	35.46	0.69	5.57	30.59	-12.07	0.15	-0.03	0.09	0.03	0.08
		25	22.41	34.69	0.64	5.17	30.16	11.57	0.14	-0.04	0.08	0.01	-0.08
		17	23.42	35.91	-0.08	5.25	30.58	-12.78	0.03	-0.19	-0.13	-0.03	0.09
17	22	18	2.47	0.30	-2.29	-0.31	-1.69	-1.10	0.05	-0.33	-0.02	-0.26	-0.15

		26	1.90	0.12	-2.02	-0.35	-1.56	0.88	-0.04	-0.39	-0.06	-0.37	-0.07
		25	5.11	2.70	-3.93	1.66	-2.89	-2.41	0.90	0.27	0.27	0.90	5.86e-03
		17	3.53	0.36	-3.28	-9.83e-03	-2.91	-1.11	0.64	0.19	0.19	0.64	0.03
17	23	18	81.34	125.92	1.70	19.13	108.49	43.14	0.13	-0.63	-0.45	-0.05	-0.32
		26	79.58	123.48	2.76	19.40	106.83	-41.62	0.53	-0.11	0.31	0.11	0.30
		25	79.05	122.40	2.42	18.59	106.23	40.97	0.48	-0.15	0.28	0.05	-0.29
		17	81.88	125.95	0.49	18.67	107.77	-44.15	0.10	-0.65	-0.44	-0.10	0.34
17	24	18	3.91	0.29	-1.27	-0.25	-0.74	-0.74	0.16	-1.12	-0.09	-0.87	-0.51
		26	3.82	1.20	-1.89	-0.34	-0.35	1.54	-0.11	-1.27	-0.15	-1.23	-0.21
		25	12.92	9.27	-6.35	6.87	-3.95	-5.64	3.01	0.91	0.91	3.01	-1.57e-03
		17	9.83	4.42	-7.21	1.12	-3.91	-5.24	2.14	0.62	0.63	2.13	0.13
17	25	18	81.93	126.83	1.71	19.27	109.27	43.46	0.13	-0.63	-0.45	-0.05	-0.33
		26	80.16	124.37	2.78	19.54	107.61	-41.92	0.54	-0.11	0.32	0.11	0.31
		25	79.62	123.28	2.44	18.73	107.00	41.27	0.48	-0.15	0.28	0.05	-0.30
		17	82.47	126.86	0.50	18.80	108.56	-44.47	0.11	-0.65	-0.45	-0.10	0.34
17	26	18	3.35	0.40	-0.47	-0.11	0.05	-0.43	0.16	-1.12	-0.10	-0.87	-0.51
		26	3.95	1.39	-1.17	-0.20	0.42	1.24	-0.11	-1.27	-0.15	-1.22	-0.21
		25	12.38	9.29	-5.47	7.01	-3.18	-5.34	3.01	0.92	0.92	3.01	-3.72e-03
		17	9.74	5.04	-6.91	1.25	-3.13	-5.56	2.14	0.61	0.62	2.12	0.13
17	27	18	81.34	125.92	1.70	19.13	108.49	43.14	0.13	-0.63	-0.45	-0.05	-0.32
		26	79.58	123.48	2.76	19.40	106.83	-41.62	0.53	-0.11	0.31	0.11	0.30
		25	79.05	122.40	2.42	18.59	106.23	40.97	0.48	-0.15	0.28	0.05	-0.29
		17	81.88	125.95	0.49	18.67	107.77	-44.15	0.10	-0.65	-0.44	-0.10	0.34
17	28	18	3.91	0.29	-1.27	-0.25	-0.74	-0.74	0.16	-1.12	-0.09	-0.87	-0.51
		26	3.82	1.20	-1.89	-0.34	-0.35	1.54	-0.11	-1.27	-0.15	-1.23	-0.21
		25	12.92	9.27	-6.35	6.87	-3.95	-5.64	3.01	0.91	0.91	3.01	-1.57e-03
		17	9.83	4.42	-7.21	1.12	-3.91	-5.24	2.14	0.62	0.63	2.13	0.13
17	29	18	81.93	126.83	1.71	19.27	109.27	43.46	0.13	-0.63	-0.45	-0.05	-0.33
		26	80.16	124.37	2.78	19.54	107.61	-41.92	0.54	-0.11	0.32	0.11	0.31
		25	79.62	123.28	2.44	18.73	107.00	41.27	0.48	-0.15	0.28	0.05	-0.30
		17	82.47	126.86	0.50	18.80	108.56	-44.47	0.11	-0.65	-0.45	-0.10	0.34
17	30	18	3.35	0.40	-0.47	-0.11	0.05	-0.43	0.16	-1.12	-0.10	-0.87	-0.51
		26	3.95	1.39	-1.17	-0.20	0.42	1.24	-0.11	-1.27	-0.15	-1.22	-0.21
		25	12.38	9.29	-5.47	7.01	-3.18	-5.34	3.01	0.92	0.92	3.01	-3.71e-03
		17	9.74	5.04	-6.91	1.25	-3.13	-5.56	2.14	0.61	0.62	2.12	0.13
17	31	18	81.32	125.89	1.69	19.12	108.46	43.14	0.13	-0.63	-0.45	-0.05	-0.32
		26	79.58	123.47	2.74	19.39	106.82	-41.63	0.53	-0.11	0.32	0.11	0.30
		25	79.04	122.38	2.41	18.58	106.21	40.97	0.48	-0.15	0.28	0.05	-0.29
		17	81.87	125.92	0.48	18.66	107.75	-44.16	0.10	-0.65	-0.44	-0.10	0.34
17	32	18	3.90	0.30	-1.24	-0.24	-0.71	-0.74	0.16	-1.12	-0.09	-0.87	-0.51
		26	3.83	1.22	-1.88	-0.33	-0.33	1.55	-0.11	-1.27	-0.16	-1.23	-0.21
		25	12.92	9.28	-6.33	6.88	-3.93	-5.63	3.01	0.91	0.91	3.01	-1.63e-03
		17	9.82	4.43	-7.18	1.13	-3.88	-5.24	2.14	0.61	0.63	2.13	0.13
17	33	18	81.91	126.80	1.70	19.26	109.24	43.45	0.13	-0.63	-0.45	-0.05	-0.33
		26	80.15	124.36	2.76	19.53	107.59	-41.92	0.54	-0.11	0.32	0.11	0.31
		25	79.61	123.27	2.43	18.72	106.98	41.26	0.49	-0.15	0.29	0.05	-0.30
		17	82.46	126.84	0.48	18.79	108.53	-44.48	0.11	-0.65	-0.45	-0.10	0.34
17	34	18	3.34	0.42	-0.44	-0.10	0.08	-0.42	0.16	-1.12	-0.10	-0.87	-0.51
		26	3.96	1.41	-1.16	-0.19	0.44	1.25	-0.11	-1.27	-0.15	-1.22	-0.21
		25	12.37	9.30	-5.45	7.01	-3.16	-5.33	3.01	0.92	0.92	3.01	-3.78e-03
		17	9.72	5.05	-6.89	1.26	-3.10	-5.55	2.14	0.61	0.62	2.12	0.13
17	35	18	81.32	125.89	1.69	19.12	108.46	43.14	0.13	-0.63	-0.45	-0.05	-0.32
		26	79.58	123.47	2.74	19.39	106.82	-41.63	0.53	-0.11	0.32	0.11	0.30
		25	79.04	122.38	2.41	18.58	106.21	40.97	0.48	-0.15	0.28	0.05	-0.29
		17	81.87	125.92	0.48	18.66	107.75	-44.16	0.10	-0.65	-0.44	-0.10	0.34
17	36	18	3.90	0.30	-1.24	-0.24	-0.71	-0.74	0.16	-1.12	-0.09	-0.87	-0.51
		26	3.83	1.22	-1.88	-0.33	-0.33	1.55	-0.11	-1.27	-0.16	-1.23	-0.21
		25	12.92	9.28	-6.33	6.88	-3.93	-5.63	3.01	0.91	0.91	3.01	-1.64e-03
		17	9.82	4.43	-7.18	1.13	-3.88	-5.24	2.14	0.61	0.63	2.13	0.13
17	37	18	81.91	126.80	1.70	19.26	109.24	43.45	0.13	-0.63	-0.45	-0.05	-0.33
		26	80.15	124.36	2.76	19.53	107.59	-41.92	0.54	-0.11	0.32	0.11	0.31
		25	79.61	123.27	2.43	18.72	106.98	41.26	0.49	-0.15	0.29	0.05	-0.30
		17	82.46	126.84	0.48	18.79	108.53	-44.48	0.11	-0.65	-0.45	-0.10	0.34
17	38	18	3.34	0.42	-0.44	-0.10	0.08	-0.42	0.16	-1.12	-0.10	-0.87	-0.51
		26	3.96	1.41	-1.16	-0.19	0.44	1.25	-0.11	-1.27	-0.15	-1.22	-0.21
		25	12.37	9.30	-5.45	7.01	-3.16	-5.33	3.01	0.92	0.92	3.01	-3.78e-03
		17	9.72	5.05	-6.89	1.26	-3.10	-5.55	2.14	0.61	0.62	2.12	0.13
17	39	18	0.42	0.43	-0.29	0.04	0.10	-0.36	6.14e-03	-1.13e-03	3.48e-03	1.54e-03	3.50e-03
		26	0.29	0.31	-0.18	0.04	0.09	-0.24	1.66e-04	-7.50e-03	-5.67e-03	-1.66e-03	-3.27e-03
		25	0.27	-0.04	-0.43	-0.19	-0.27	-0.19	2.22e-03	-3.87e-03	-6.11e-04	-1.05e-03	3.04e-03
		17	0.32	0.04	-0.45	-0.12	-0.29	-0.23	1.02e-03	-6.15e-03	-2.69e-03	-2.44e-03	-3.58e-03
17	40	18	0.43	0.45	-0.29	0.05	0.11	-0.37	5.88e-03	-1.30e-03	3.12e-03	1.45e-03	3.49e-03
		26	0.30	0.33	-0.18	0.05	0.10	-0.25	6.68e-06	-7.79e-03	-6.03e-03	-1.75e-03	-3.26e-03
		25	0.28	-0.02	-0.42	-0.18	-0.26	-0.20	1.99e-03	-4.04e-03	-9.19e-04	-1.14e-03	3.01e-03
		17	0.32	0.06	-0.44	-0.11	-0.27	-0.24	8.61e-04	-6.38e-03	-3.00e-03	-2.52e-03	-3.61e-03
17	41	18	0.42	0.43	-0.29	0.04	0.10	-0.36	6.13e-03	-1.13e-03	3.48e-03	1.52e-03	3.50e-03
		26	0.29	0.31	-0.18	0.04	0.09	-0.24	1.57e-04	-7.50e-03	-5.67e-03	-1.67e-03	-3.27e-03

		25	0.27	-0.04	-0.43	-0.19	-0.27	-0.19	2.20e-03	-3.88e-03	-6.16e-04	-1.06e-03	3.03e-03
		17	0.32	0.04	-0.45	-0.12	-0.29	-0.23	1.01e-03	-6.16e-03	-2.69e-03	-2.45e-03	-3.59e-03
17	42	18	0.43	0.45	-0.29	0.05	0.11	-0.37	5.87e-03	-1.31e-03	3.12e-03	1.44e-03	3.49e-03
		26	0.30	0.33	-0.18	0.05	0.10	-0.25	-2.27e-06	-7.79e-03	-6.03e-03	-1.76e-03	-3.26e-03
		25	0.28	-0.02	-0.42	-0.18	-0.26	-0.20	1.98e-03	-4.05e-03	-9.25e-04	-1.15e-03	3.01e-03
		17	0.32	0.06	-0.44	-0.11	-0.27	-0.24	8.55e-04	-6.39e-03	-3.00e-03	-2.53e-03	-3.62e-03
17	43	18	0.42	0.43	-0.29	0.04	0.10	-0.36	6.17e-03	-1.12e-03	3.52e-03	1.53e-03	3.51e-03
		26	0.29	0.31	-0.18	0.04	0.09	-0.24	1.76e-04	-7.46e-03	-5.62e-03	-1.66e-03	-3.27e-03
		25	0.27	-0.04	-0.43	-0.19	-0.27	-0.19	2.25e-03	-3.86e-03	-5.61e-04	-1.05e-03	3.04e-03
		17	0.32	0.04	-0.45	-0.12	-0.29	-0.23	1.04e-03	-6.11e-03	-2.64e-03	-2.44e-03	-3.57e-03
17	44	18	0.43	0.45	-0.28	0.06	0.12	-0.37	5.85e-03	-1.31e-03	3.08e-03	1.46e-03	3.49e-03
		26	0.30	0.33	-0.18	0.05	0.10	-0.25	-2.33e-06	-7.82e-03	-6.07e-03	-1.75e-03	-3.26e-03
		25	0.28	-0.02	-0.42	-0.18	-0.26	-0.20	1.96e-03	-4.06e-03	-9.69e-04	-1.13e-03	3.01e-03
		17	0.32	0.06	-0.44	-0.11	-0.27	-0.24	8.46e-04	-6.41e-03	-3.04e-03	-2.52e-03	-3.62e-03
17	45	18	0.42	0.43	-0.29	0.04	0.10	-0.36	6.16e-03	-1.12e-03	3.52e-03	1.52e-03	3.50e-03
		26	0.29	0.31	-0.18	0.04	0.09	-0.24	1.67e-04	-7.47e-03	-5.63e-03	-1.67e-03	-3.27e-03
		25	0.27	-0.04	-0.43	-0.19	-0.27	-0.19	2.24e-03	-3.86e-03	-5.66e-04	-1.06e-03	3.04e-03
		17	0.32	0.04	-0.45	-0.12	-0.29	-0.23	1.03e-03	-6.13e-03	-2.65e-03	-2.45e-03	-3.58e-03
17	46	18	0.43	0.45	-0.28	0.05	0.12	-0.37	5.84e-03	-1.32e-03	3.08e-03	1.44e-03	3.49e-03
		26	0.30	0.33	-0.18	0.05	0.10	-0.25	-1.13e-05	-7.82e-03	-6.07e-03	-1.76e-03	-3.26e-03
		25	0.28	-0.02	-0.42	-0.18	-0.26	-0.20	1.94e-03	-4.07e-03	-9.75e-04	-1.15e-03	3.00e-03
		17	0.32	0.06	-0.44	-0.11	-0.27	-0.24	8.41e-04	-6.43e-03	-3.05e-03	-2.53e-03	-3.62e-03
17	47	18	0.42	0.43	-0.29	0.04	0.10	-0.36	6.14e-03	-1.13e-03	3.48e-03	1.53e-03	3.50e-03
		26	0.29	0.31	-0.18	0.04	0.09	-0.24	1.65e-04	-7.50e-03	-5.67e-03	-1.66e-03	-3.27e-03
		25	0.27	-0.04	-0.43	-0.19	-0.27	-0.19	2.21e-03	-3.87e-03	-6.11e-04	-1.05e-03	3.03e-03
		17	0.32	0.04	-0.45	-0.12	-0.29	-0.23	1.02e-03	-6.15e-03	-2.69e-03	-2.44e-03	-3.59e-03
17	48	18	0.43	0.45	-0.29	0.05	0.11	-0.37	5.87e-03	-1.30e-03	3.12e-03	1.45e-03	3.49e-03
		26	0.30	0.33	-0.18	0.05	0.10	-0.25	5.11e-06	-7.79e-03	-6.03e-03	-1.75e-03	-3.26e-03
		25	0.28	-0.02	-0.42	-0.18	-0.26	-0.20	1.98e-03	-4.04e-03	-9.20e-04	-1.14e-03	3.01e-03
		17	0.32	0.06	-0.44	-0.11	-0.27	-0.24	8.65e-04	-6.38e-03	-3.00e-03	-2.52e-03	-3.62e-03
17	49	18	0.42	0.43	-0.29	0.04	0.10	-0.36	6.14e-03	-1.14e-03	3.48e-03	1.52e-03	3.50e-03
		26	0.29	0.31	-0.18	0.04	0.09	-0.24	1.59e-04	-7.50e-03	-5.67e-03	-1.67e-03	-3.27e-03
		25	0.27	-0.04	-0.43	-0.19	-0.27	-0.19	2.21e-03	-3.88e-03	-6.16e-04	-1.06e-03	3.04e-03
		17	0.32	0.04	-0.45	-0.12	-0.29	-0.23	1.01e-03	-6.16e-03	-2.69e-03	-2.45e-03	-3.58e-03
17	50	18	0.43	0.45	-0.29	0.05	0.11	-0.37	5.87e-03	-1.31e-03	3.12e-03	1.44e-03	3.49e-03
		26	0.30	0.33	-0.18	0.05	0.10	-0.25	0.0	-7.79e-03	-6.03e-03	-1.76e-03	-3.26e-03
		25	0.28	-0.02	-0.42	-0.18	-0.26	-0.20	1.98e-03	-4.05e-03	-9.25e-04	-1.15e-03	3.01e-03
		17	0.32	0.06	-0.44	-0.11	-0.27	-0.24	8.51e-04	-6.39e-03	-3.00e-03	-2.53e-03	-3.61e-03
17	51	18	0.42	0.43	-0.29	0.04	0.10	-0.36	6.17e-03	-1.11e-03	3.52e-03	1.53e-03	3.50e-03
		26	0.29	0.31	-0.18	0.04	0.09	-0.24	1.74e-04	-7.46e-03	-5.62e-03	-1.67e-03	-3.27e-03
		25	0.27	-0.04	-0.43	-0.19	-0.27	-0.19	2.25e-03	-3.85e-03	-5.61e-04	-1.05e-03	3.04e-03
		17	0.32	0.04	-0.45	-0.12	-0.29	-0.23	1.04e-03	-6.12e-03	-2.64e-03	-2.44e-03	-3.58e-03
17	52	18	0.43	0.45	-0.28	0.06	0.12	-0.37	5.85e-03	-1.31e-03	3.08e-03	1.45e-03	3.49e-03
		26	0.30	0.33	-0.18	0.05	0.10	-0.25	-3.90e-06	-7.82e-03	-6.07e-03	-1.75e-03	-3.26e-03
		25	0.28	-0.02	-0.42	-0.18	-0.26	-0.20	1.95e-03	-4.06e-03	-9.70e-04	-1.14e-03	3.00e-03
		17	0.32	0.06	-0.44	-0.11	-0.27	-0.24	8.51e-04	-6.42e-03	-3.04e-03	-2.52e-03	-3.62e-03
17	53	18	0.42	0.43	-0.29	0.04	0.10	-0.36	6.16e-03	-1.12e-03	3.52e-03	1.52e-03	3.51e-03
		26	0.29	0.31	-0.18	0.04	0.09	-0.24	1.69e-04	-7.47e-03	-5.63e-03	-1.67e-03	-3.27e-03
		25	0.27	-0.04	-0.43	-0.19	-0.27	-0.19	2.24e-03	-3.87e-03	-5.66e-04	-1.06e-03	3.04e-03
		17	0.32	0.04	-0.45	-0.12	-0.29	-0.23	1.03e-03	-6.12e-03	-2.65e-03	-2.45e-03	-3.57e-03
17	54	18	0.43	0.45	-0.28	0.05	0.12	-0.37	5.84e-03	-1.32e-03	3.08e-03	1.44e-03	3.49e-03
		26	0.30	0.33	-0.18	0.05	0.10	-0.25	-9.72e-06	-7.82e-03	-6.07e-03	-1.76e-03	-3.26e-03
		25	0.28	-0.02	-0.42	-0.18	-0.26	-0.20	1.95e-03	-4.07e-03	-9.75e-04	-1.15e-03	3.01e-03
		17	0.32	0.06	-0.44	-0.11	-0.27	-0.24	8.36e-04	-6.42e-03	-3.05e-03	-2.53e-03	-3.62e-03
17	55	18	0.41	0.41	-0.29	0.03	0.08	-0.35	6.45e-03	-9.32e-04	3.89e-03	1.63e-03	3.51e-03
		26	0.28	0.28	-0.18	0.03	0.07	-0.23	3.54e-04	-7.17e-03	-5.25e-03	-1.56e-03	-3.28e-03
		25	0.27	-0.06	-0.43	-0.20	-0.29	-0.18	2.48e-03	-3.68e-03	-2.53e-04	-9.48e-04	3.06e-03
		17	0.31	0.02	-0.45	-0.13	-0.30	-0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.34e-03	-3.55e-03
17	56	18	0.44	0.48	-0.28	0.06	0.13	-0.38	5.57e-03	-1.51e-03	2.71e-03	1.35e-03	3.48e-03
		26	0.31	0.35	-0.18	0.06	0.11	-0.26	-1.78e-04	-8.13e-03	-6.45e-03	-1.86e-03	-3.25e-03
		25	0.28	1.35e-03	-0.42	-0.18	-0.25	-0.21	1.72e-03	-4.25e-03	-1.28e-03	-1.24e-03	2.99e-03
		17	0.33	0.08	-0.44	-0.10	-0.26	-0.25	6.77e-04	-6.65e-03	-3.36e-03	-2.62e-03	-3.65e-03
17	57	18	0.41	0.41	-0.29	0.03	0.08	-0.35	6.45e-03	-9.34e-04	3.89e-03	1.62e-03	3.51e-03
		26	0.28	0.28	-0.18	0.03	0.07	-0.23	3.51e-04	-7.17e-03	-5.25e-03	-1.57e-03	-3.28e-03
		25	0.27	-0.06	-0.43	-0.20	-0.29	-0.18	2.48e-03	-3.69e-03	-2.54e-04	-9.52e-04	3.06e-03
		17	0.31	0.02	-0.45	-0.13	-0.30	-0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.35e-03	-3.55e-03
17	58	18	0.44	0.48	-0.28	0.06	0.13	-0.38	5.57e-03	-1.51e-03	2.70e-03	1.35e-03	3.48e-03
		26	0.31	0.35	-0.18	0.06	0.11	-0.26	-1.81e-04	-8.13e-03	-6.45e-03	-1.86e-03	-3.25e-03
		25	0.28	1.30e-03	-0.42	-0.18	-0.25	-0.21	1.72e-03	-4.25e-03	-1.28e-03	-1.25e-03	2.98e-03
		17	0.33	0.08	-0.44	-0.10	-0.26	-0.25	6.75e-04	-6.66e-03	-3.36e-03	-2.63e-03	-3.65e-03
17	59	18	0.41	0.41	-0.29	0.03	0.08	-0.35	6.45e-03	-9.31e-04	3.89e-03	1.63e-03	3.51e-03
		26	0.28	0.28	-0.18	0.03	0.07	-0.23	3.53e-04	-7.17e-03	-5.25e-03	-1.56e-03	-3.28e-03
		25	0.27	-0.06	-0.43	-0.20	-0.29	-0.18	2.48e-03	-3.68e-03	-2.53e-04	-9.49e-04	3.06e-03
		17	0.31	0.02	-0.45	-0.13	-0.30	-0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.35e-03	-3.55e-03
17	60	18	0.44	0.48	-0.28	0.06	0.13	-0.38	5.57e-03	-1.51e-03	2.71e-03	1.35e-03	3.48e-03
		26	0.31	0.35	-0.18	0.06	0.11	-0.26	-1.79e-04	-8.13e-03	-6.45e-03	-1.86e-03	-3.25e-03
		25	0.28	1.35e-03	-0.42	-0.18	-0.25	-0.21	1.72e-03	-4.25e-03	-1.28e-03	-1.24e-03	2.98e-03

		17	0.33	0.08	-0.44	-0.10	-0.26	-0.25	6.78e-04	-6.66e-03	-3.36e-03	-2.62e-03	-3.65e-03
17	61	18	0.41	0.41	-0.29	0.03	0.08	-0.35	6.45e-03	-9.34e-04	3.89e-03	1.62e-03	3.51e-03
		26	0.28	0.28	-0.18	0.03	0.07	-0.23	3.52e-04	-7.17e-03	-3.25e-03	-1.56e-03	-3.28e-03
		25	0.27	-0.06	-0.43	-0.20	-0.29	-0.18	2.48e-03	-3.69e-03	-2.54e-04	-9.52e-04	3.06e-03
		17	0.31	0.02	-0.45	-0.13	-0.30	-0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.35e-03	-3.55e-03
17	62	18	0.44	0.48	-0.28	0.06	0.13	-0.38	5.57e-03	-1.52e-03	2.70e-03	1.35e-03	3.48e-03
		26	0.31	0.35	-0.18	0.06	0.11	-0.26	-1.80e-04	-8.13e-03	-6.45e-03	-1.86e-03	-3.25e-03
		25	0.28	1.30e-03	-0.42	-0.18	-0.25	-0.21	1.72e-03	-4.25e-03	-1.28e-03	-1.24e-03	2.99e-03
		17	0.33	0.08	-0.44	-0.10	-0.26	-0.25	6.74e-04	-6.66e-03	-3.36e-03	-2.63e-03	-3.65e-03
17	63	18	0.41	0.40	-0.30	0.03	0.07	-0.35	6.55e-03	-8.97e-04	4.03e-03	1.62e-03	3.52e-03
		26	0.28	0.28	-0.19	0.02	0.07	-0.23	3.89e-04	-7.06e-03	-5.11e-03	-1.56e-03	-3.28e-03
		25	0.27	-0.06	-0.43	-0.20	-0.29	-0.18	2.60e-03	-3.63e-03	-8.56e-05	-9.49e-04	3.09e-03
		17	0.32	0.02	-0.46	-0.13	-0.31	-0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.34e-03	-3.52e-03
17	64	18	0.44	0.48	-0.27	0.07	0.14	-0.38	5.48e-03	-1.56e-03	2.57e-03	1.36e-03	3.47e-03
		26	0.31	0.35	-0.17	0.06	0.12	-0.26	-2.06e-04	-8.24e-03	-6.59e-03	-1.86e-03	-3.25e-03
		25	0.28	4.13e-03	-0.42	-0.17	-0.24	-0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	2.96e-03
		17	0.33	0.09	-0.43	-0.10	-0.25	-0.25	6.31e-04	-6.77e-03	-3.52e-03	-2.62e-03	-3.67e-03
17	65	18	0.41	0.40	-0.30	0.03	0.07	-0.35	6.55e-03	-8.99e-04	4.03e-03	1.62e-03	3.52e-03
		26	0.28	0.28	-0.19	0.02	0.07	-0.23	3.86e-04	-7.06e-03	-5.11e-03	-1.57e-03	-3.28e-03
		25	0.27	-0.06	-0.43	-0.20	-0.29	-0.18	2.60e-03	-3.64e-03	-8.73e-05	-9.53e-04	3.08e-03
		17	0.32	0.02	-0.46	-0.13	-0.31	-0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.35e-03	-3.52e-03
17	66	18	0.44	0.48	-0.27	0.07	0.14	-0.38	5.48e-03	-1.56e-03	2.57e-03	1.35e-03	3.47e-03
		26	0.31	0.35	-0.17	0.06	0.12	-0.26	-2.08e-04	-8.24e-03	-6.59e-03	-1.86e-03	-3.25e-03
		25	0.28	4.09e-03	-0.42	-0.17	-0.24	-0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	2.96e-03
		17	0.33	0.09	-0.43	-0.10	-0.25	-0.25	6.30e-04	-6.78e-03	-3.52e-03	-2.63e-03	-3.68e-03
17	67	18	0.41	0.40	-0.30	0.03	0.07	-0.35	6.55e-03	-8.97e-04	4.03e-03	1.62e-03	3.52e-03
		26	0.28	0.28	-0.19	0.02	0.07	-0.23	3.88e-04	-7.06e-03	-5.11e-03	-1.57e-03	-3.28e-03
		25	0.27	-0.06	-0.43	-0.20	-0.29	-0.18	2.60e-03	-3.63e-03	-8.57e-05	-9.50e-04	3.08e-03
		17	0.32	0.02	-0.46	-0.13	-0.31	-0.22	1.27e-03	-5.78e-03	-2.17e-03	-2.35e-03	-3.52e-03
17	68	18	0.44	0.48	-0.27	0.07	0.14	-0.38	5.48e-03	-1.56e-03	2.57e-03	1.36e-03	3.47e-03
		26	0.31	0.35	-0.17	0.06	0.12	-0.26	-2.06e-04	-8.24e-03	-6.59e-03	-1.86e-03	-3.25e-03
		25	0.28	4.13e-03	-0.42	-0.17	-0.24	-0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	2.96e-03
		17	0.33	0.09	-0.43	-0.10	-0.25	-0.25	6.33e-04	-6.77e-03	-3.52e-03	-2.62e-03	-3.68e-03
17	69	18	0.41	0.40	-0.30	0.03	0.07	-0.35	6.55e-03	-9.00e-04	4.03e-03	1.62e-03	3.52e-03
		26	0.28	0.28	-0.19	0.02	0.07	-0.23	3.87e-04	-7.06e-03	-5.11e-03	-1.57e-03	-3.28e-03
		25	0.27	-0.06	-0.43	-0.20	-0.29	-0.18	2.60e-03	-3.64e-03	-8.72e-05	-9.52e-04	3.09e-03
		17	0.32	0.02	-0.46	-0.13	-0.31	-0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.35e-03	-3.52e-03
17	70	18	0.44	0.48	-0.27	0.07	0.14	-0.38	5.48e-03	-1.56e-03	2.57e-03	1.35e-03	3.47e-03
		26	0.31	0.35	-0.17	0.06	0.12	-0.26	-2.08e-04	-8.24e-03	-6.59e-03	-1.86e-03	-3.25e-03
		25	0.28	4.09e-03	-0.42	-0.17	-0.24	-0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	2.96e-03
		17	0.33	0.09	-0.43	-0.10	-0.25	-0.25	6.28e-04	-6.77e-03	-3.52e-03	-2.63e-03	-3.67e-03
17	71	18	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		25	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		17	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
17	72	18	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		25	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		17	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
17	73	18	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		25	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		17	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
17	74	18	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		25	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		17	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
17	75	18	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		25	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		17	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
17	76	18	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		25	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		17	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
18	1	18	0.55	0.37	-0.57	-0.06	-0.14	0.47	7.81e-03	-1.58e-03	4.29e-03	1.93e-03	4.54e-03
		26	0.38	0.24	-0.41	-0.05	-0.12	0.32	1.06e-04	-9.94e-03	-7.60e-03	-2.23e-03	-4.24e-03
		27	0.36	0.55	0.04	0.24	0.35	0.25	2.72e-03	-5.15e-03	-9.98e-04	-1.43e-03	3.93e-03
		19	0.42	0.58	-0.07	0.15	0.37	0.30	1.22e-03	-8.15e-03	-3.70e-03	-3.23e-03	-4.68e-03
18	2	18	0.55	0.37	-0.57	-0.06	-0.14	0.47	7.81e-03	-1.58e-03	4.29e-03	1.93e-03	4.54e-03
		26	0.38	0.24	-0.41	-0.05	-0.12	0.32	1.06e-04	-9.94e-03	-7.60e-03	-2.23e-03	-4.24e-03
		27	0.36	0.55	0.04	0.24	0.35	0.25	2.72e-03	-5.15e-03	-9.98e-04	-1.43e-03	3.93e-03
		19	0.42	0.58	-0.07	0.15	0.37	0.30	1.22e-03	-8.15e-03	-3.70e-03	-3.23e-03	-4.68e-03
18	3	18	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		27	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		19	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03

18	4	18	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		27	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		19	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
18	5	18	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		27	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		19	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
18	6	18	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		27	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		19	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
18	7	18	21.55	33.14	0.05	4.94	28.24	11.75	0.17	-0.04	0.12	0.02	0.09
		26	20.57	31.98	0.87	5.02	27.83	-10.57	0.03	-0.15	-0.09	-0.03	-0.08
		27	20.98	32.51	0.71	5.10	28.12	10.96	0.04	-0.13	-0.07	-0.01	0.08
		19	21.38	33.06	0.51	5.03	28.55	-11.25	0.17	-0.03	0.11	0.02	-0.09
18	8	18	3.56	-0.11	-5.07	-0.60	-4.58	-1.48	0.22	0.04	0.05	0.21	-0.04
		26	4.28	0.40	-5.41	-0.46	-4.55	2.06	0.31	0.05	0.05	0.31	-0.03
		27	3.16	-0.10	-4.84	-0.75	-4.19	-1.63	0.04	-0.06	0.03	-0.06	0.03
		19	3.50	0.11	-5.14	-0.78	-4.25	1.97	-4.66e-03	-0.08	-0.04	-0.04	0.04
18	9	18	23.52	36.18	0.08	5.40	30.86	12.79	0.19	-0.04	0.13	0.02	0.10
		26	22.48	34.95	0.94	5.49	30.40	-11.57	0.03	-0.16	-0.10	-0.03	-0.09
		27	22.89	35.47	0.77	5.55	30.69	11.96	0.05	-0.14	-0.08	-0.02	0.09
		19	23.35	36.10	0.53	5.48	31.15	-12.31	0.19	-0.04	0.12	0.03	-0.10
18	10	18	1.71	-0.04	-2.07	-0.14	-1.97	-0.43	0.21	0.06	0.07	0.21	-0.03
		26	2.41	0.47	-2.43	6.11e-03	-1.97	1.06	0.31	0.04	0.05	0.31	-0.04
		27	1.26	-0.04	-1.88	-0.30	-1.62	-0.64	0.03	-0.07	0.02	-0.06	0.04
		19	1.54	0.14	-2.10	-0.33	-1.64	0.91	-5.83e-03	-0.06	-0.03	-0.04	0.03
18	11	18	21.55	33.13	0.04	4.94	28.24	11.74	0.17	-0.04	0.12	0.02	0.09
		26	20.57	31.97	0.87	5.02	27.82	-10.58	0.03	-0.15	-0.09	-0.03	-0.08
		27	20.98	32.50	0.71	5.10	28.12	10.96	0.04	-0.13	-0.08	-0.01	0.08
		19	21.37	33.06	0.50	5.02	28.54	-11.25	0.17	-0.03	0.11	0.02	-0.09
18	12	18	3.56	-0.11	-5.06	-0.59	-4.58	-1.48	0.22	0.04	0.05	0.21	-0.04
		26	4.28	0.40	-5.40	-0.46	-4.54	2.06	0.31	0.05	0.05	0.31	-0.03
		27	3.15	-0.10	-4.83	-0.75	-4.18	-1.63	0.04	-0.06	0.03	-0.06	0.03
		19	3.50	0.11	-5.13	-0.78	-4.24	1.97	-4.56e-03	-0.08	-0.04	-0.04	0.04
18	13	18	23.51	36.17	0.08	5.40	30.85	12.79	0.19	-0.04	0.13	0.02	0.10
		26	22.48	34.95	0.94	5.49	30.40	-11.57	0.03	-0.16	-0.10	-0.03	-0.09
		27	22.89	35.46	0.77	5.55	30.69	11.95	0.05	-0.14	-0.08	-0.02	0.09
		19	23.35	36.10	0.52	5.48	31.14	-12.31	0.19	-0.04	0.12	0.03	-0.10
18	14	18	1.70	-0.04	-2.06	-0.13	-1.96	-0.43	0.21	0.06	0.07	0.21	-0.03
		26	2.41	0.47	-2.43	9.47e-03	-1.97	1.06	0.31	0.04	0.05	0.31	-0.04
		27	1.25	-0.04	-1.87	-0.29	-1.61	-0.64	0.03	-0.07	0.02	-0.06	0.04
		19	1.54	0.14	-2.10	-0.33	-1.63	0.91	-5.73e-03	-0.06	-0.03	-0.04	0.03
18	15	18	21.55	33.14	0.05	4.94	28.24	11.75	0.17	-0.04	0.12	0.02	0.09
		26	20.57	31.98	0.87	5.02	27.83	-10.57	0.03	-0.15	-0.09	-0.03	-0.08
		27	20.98	32.51	0.71	5.10	28.12	10.96	0.04	-0.13	-0.07	-0.01	0.08
		19	21.38	33.06	0.51	5.03	28.55	-11.25	0.17	-0.03	0.11	0.02	-0.09
18	16	18	3.56	-0.11	-5.07	-0.60	-4.58	-1.48	0.22	0.04	0.05	0.21	-0.04
		26	4.28	0.40	-5.41	-0.46	-4.55	2.06	0.31	0.05	0.05	0.31	-0.03
		27	3.16	-0.10	-4.84	-0.75	-4.19	-1.63	0.04	-0.06	0.03	-0.06	0.03
		19	3.50	0.11	-5.14	-0.78	-4.25	1.97	-4.64e-03	-0.08	-0.04	-0.04	0.04
18	17	18	23.52	36.18	0.08	5.40	30.86	12.79	0.19	-0.04	0.13	0.02	0.10
		26	22.48	34.95	0.94	5.49	30.40	-11.57	0.03	-0.16	-0.10	-0.03	-0.09
		27	22.89	35.47	0.77	5.55	30.69	11.96	0.05	-0.14	-0.08	-0.02	0.09
		19	23.35	36.10	0.53	5.48	31.15	-12.31	0.19	-0.04	0.12	0.03	-0.10
18	18	18	1.71	-0.04	-2.07	-0.14	-1.97	-0.43	0.21	0.06	0.07	0.21	-0.03
		26	2.41	0.47	-2.43	6.14e-03	-1.97	1.06	0.31	0.04	0.05	0.31	-0.04
		27	1.26	-0.04	-1.88	-0.30	-1.62	-0.64	0.03	-0.07	0.02	-0.06	0.04
		19	1.54	0.14	-2.10	-0.33	-1.64	0.91	-5.85e-03	-0.06	-0.03	-0.04	0.03
18	19	18	21.55	33.13	0.04	4.94	28.24	11.74	0.17	-0.04	0.12	0.02	0.09
		26	20.57	31.97	0.87	5.02	27.82	-10.58	0.03	-0.15	-0.09	-0.03	-0.08
		27	20.98	32.50	0.71	5.10	28.12	10.96	0.04	-0.13	-0.08	-0.01	0.08
		19	21.37	33.06	0.50	5.02	28.54	-11.25	0.17	-0.03	0.11	0.02	-0.09
18	20	18	3.56	-0.11	-5.06	-0.59	-4.58	-1.48	0.22	0.04	0.05	0.21	-0.04
		26	4.28	0.40	-5.40	-0.46	-4.54	2.06	0.31	0.05	0.05	0.31	-0.03
		27	3.15	-0.10	-4.83	-0.75	-4.18	-1.63	0.04	-0.06	0.03	-0.06	0.03
		19	3.50	0.11	-5.13	-0.78	-4.24	1.97	-4.55e-03	-0.08	-0.04	-0.04	0.04
18	21	18	23.51	36.17	0.08	5.40	30.85	12.79	0.19	-0.04	0.13	0.02	0.10
		26	22.48	34.95	0.94	5.49	30.40	-11.57	0.03	-0.16	-0.10	-0.03	-0.09
		27	22.89	35.46	0.77	5.55	30.69	11.95	0.05	-0.14	-0.08	-0.02	0.09
		19	23.35	36.10	0.52	5.48	31.14	-12.31	0.19	-0.04	0.12	0.03	-0.10
18	22	18	1.70	-0.04	-2.06	-0.13	-1.96	-0.43	0.21	0.06	0.07	0.21	-0.03
		26	2.41	0.47	-2.43	9.50e-03	-1.97	1.06	0.31	0.04	0.05	0.31	-0.04
		27	1.25	-0.04	-1.87	-0.29	-1.61	-0.64	0.03	-0.07	0.02	-0.06	0.04
		19	1.54	0.14	-2.10	-0.33	-1.63	0.91	-5.74e-03	-0.06	-0.03	-0.04	0.03
18	23	18	81.77	126.23	1.08	19.03	108.27	43.87	0.64	-0.13	0.45	0.05	0.33

		26	79.19	122.97	3.00	19.32	106.65	-41.13	0.11	-0.55	-0.33	-0.11	-0.31
		27	79.52	123.17	2.55	18.96	106.76	41.36	0.15	-0.49	-0.28	-0.05	0.30
		19	81.81	126.13	1.10	18.89	108.34	-43.68	0.65	-0.12	0.44	0.10	-0.34
18	24	18	2.37	0.59	-1.18	0.57	-1.16	-0.21	0.71	0.21	0.23	0.69	-0.10
		26	3.93	1.41	-1.64	1.04	-1.27	0.99	1.05	0.13	0.15	1.02	-0.14
		27	1.32	-0.07	-1.40	-0.53	-0.94	-0.63	0.11	-0.24	0.05	-0.19	0.12
		19	1.12	-0.25	-1.18	-0.47	-0.97	0.39	-5.93e-03	-0.18	-0.07	-0.12	0.08
18	25	18	82.36	127.14	1.09	19.17	109.06	44.18	0.65	-0.13	0.46	0.06	0.33
		26	79.76	123.86	3.02	19.46	107.42	-41.43	0.11	-0.55	-0.33	-0.11	-0.31
		27	80.10	124.06	2.57	19.10	107.53	41.66	0.15	-0.49	-0.29	-0.05	0.30
		19	82.40	127.04	1.10	19.03	109.12	-44.00	0.66	-0.12	0.44	0.10	-0.34
18	26	18	1.97	0.72	-0.38	0.71	-0.37	0.10	0.71	0.22	0.24	0.69	-0.10
		26	3.39	1.43	-0.75	1.18	-0.50	0.69	1.05	0.12	0.15	1.02	-0.14
		27	1.13	0.07	-0.64	-0.40	-0.17	-0.33	0.11	-0.25	0.05	-0.19	0.13
		19	0.58	-0.16	-0.36	-0.33	-0.19	0.07	-5.92e-03	-0.17	-0.06	-0.12	0.08
18	27	18	81.77	126.23	1.08	19.03	108.27	43.87	0.64	-0.13	0.45	0.05	0.33
		26	79.19	122.97	3.00	19.32	106.65	-41.13	0.11	-0.55	-0.33	-0.11	-0.31
		27	79.52	123.17	2.55	18.96	106.76	41.36	0.15	-0.49	-0.28	-0.05	0.30
		19	81.81	126.13	1.10	18.89	108.34	-43.68	0.65	-0.12	0.44	0.10	-0.34
18	28	18	2.37	0.59	-1.18	0.57	-1.16	-0.21	0.71	0.21	0.23	0.69	-0.10
		26	3.93	1.41	-1.64	1.04	-1.27	0.99	1.05	0.13	0.15	1.02	-0.14
		27	1.32	-0.07	-1.40	-0.53	-0.94	-0.63	0.11	-0.24	0.05	-0.19	0.12
		19	1.12	-0.25	-1.18	-0.47	-0.97	0.39	-5.92e-03	-0.18	-0.07	-0.12	0.08
18	29	18	82.36	127.14	1.09	19.17	109.06	44.18	0.65	-0.13	0.46	0.06	0.33
		26	79.76	123.86	3.02	19.46	107.42	-41.43	0.11	-0.55	-0.33	-0.11	-0.31
		27	80.10	124.06	2.57	19.10	107.53	41.66	0.15	-0.49	-0.29	-0.05	0.30
		19	82.40	127.04	1.10	19.03	109.12	-44.00	0.66	-0.12	0.44	0.10	-0.34
18	30	18	1.97	0.72	-0.38	0.71	-0.37	0.10	0.71	0.22	0.24	0.69	-0.10
		26	3.39	1.43	-0.75	1.18	-0.50	0.69	1.05	0.12	0.15	1.02	-0.14
		27	1.13	0.07	-0.64	-0.40	-0.17	-0.33	0.11	-0.25	0.05	-0.19	0.13
		19	0.58	-0.16	-0.36	-0.33	-0.19	0.07	-5.93e-03	-0.17	-0.06	-0.12	0.08
18	31	18	81.75	126.20	1.07	19.02	108.24	43.86	0.64	-0.13	0.45	0.05	0.33
		26	79.18	122.95	2.99	19.31	106.63	-41.13	0.11	-0.55	-0.33	-0.11	-0.31
		27	79.51	123.15	2.54	18.96	106.74	41.35	0.15	-0.49	-0.28	-0.05	0.30
		19	81.80	126.11	1.08	18.88	108.31	-43.69	0.65	-0.12	0.44	0.10	-0.34
18	32	18	2.36	0.61	-1.15	0.58	-1.13	-0.21	0.71	0.21	0.23	0.69	-0.10
		26	3.93	1.42	-1.63	1.05	-1.26	0.99	1.05	0.13	0.15	1.02	-0.14
		27	1.31	-0.07	-1.38	-0.52	-0.92	-0.63	0.11	-0.24	0.06	-0.19	0.13
		19	1.11	-0.24	-1.16	-0.46	-0.94	0.39	-5.56e-03	-0.18	-0.07	-0.12	0.08
18	33	18	82.34	127.11	1.08	19.16	109.03	44.18	0.65	-0.13	0.46	0.06	0.33
		26	79.76	123.84	3.01	19.45	107.40	-41.43	0.11	-0.55	-0.33	-0.11	-0.31
		27	80.09	124.04	2.56	19.09	107.51	41.65	0.15	-0.49	-0.29	-0.05	0.30
		19	82.39	127.02	1.09	19.02	109.09	-44.01	0.65	-0.12	0.44	0.10	-0.35
18	34	18	1.96	0.73	-0.35	0.72	-0.34	0.11	0.71	0.22	0.24	0.69	-0.10
		26	3.39	1.44	-0.73	1.19	-0.49	0.69	1.05	0.12	0.15	1.02	-0.14
		27	1.13	0.08	-0.62	-0.39	-0.15	-0.33	0.11	-0.25	0.05	-0.19	0.13
		19	0.57	-0.13	-0.35	-0.32	-0.16	0.08	-5.55e-03	-0.17	-0.06	-0.12	0.08
18	35	18	81.75	126.20	1.07	19.02	108.24	43.86	0.64	-0.13	0.45	0.05	0.33
		26	79.18	122.95	2.99	19.31	106.63	-41.13	0.11	-0.55	-0.33	-0.11	-0.31
		27	79.51	123.15	2.54	18.96	106.74	41.35	0.15	-0.49	-0.28	-0.05	0.30
		19	81.80	126.11	1.08	18.88	108.31	-43.69	0.65	-0.12	0.44	0.10	-0.34
18	36	18	2.36	0.61	-1.15	0.58	-1.13	-0.21	0.71	0.21	0.23	0.69	-0.10
		26	3.93	1.42	-1.63	1.05	-1.26	0.99	1.05	0.13	0.15	1.02	-0.14
		27	1.31	-0.07	-1.38	-0.52	-0.92	-0.63	0.11	-0.24	0.06	-0.19	0.13
		19	1.11	-0.24	-1.16	-0.46	-0.94	0.39	-5.55e-03	-0.18	-0.07	-0.12	0.08
18	37	18	82.34	127.11	1.08	19.16	109.03	44.18	0.65	-0.13	0.46	0.06	0.33
		26	79.76	123.84	3.01	19.45	107.40	-41.43	0.11	-0.55	-0.33	-0.11	-0.31
		27	80.09	124.04	2.56	19.09	107.51	41.65	0.15	-0.49	-0.29	-0.05	0.30
		19	82.39	127.02	1.09	19.02	109.09	-44.01	0.65	-0.12	0.44	0.10	-0.35
18	38	18	1.96	0.73	-0.35	0.72	-0.34	0.11	0.71	0.22	0.24	0.69	-0.10
		26	3.39	1.44	-0.73	1.19	-0.49	0.69	1.05	0.12	0.15	1.02	-0.14
		27	1.13	0.08	-0.62	-0.39	-0.15	-0.33	0.11	-0.25	0.05	-0.19	0.13
		19	0.57	-0.13	-0.35	-0.32	-0.16	0.08	-5.55e-03	-0.17	-0.06	-0.12	0.08
18	39	18	0.43	0.29	-0.45	-0.05	-0.11	0.37	5.87e-03	-1.31e-03	3.12e-03	1.44e-03	3.49e-03
		26	0.30	0.18	-0.33	-0.05	-0.10	0.25	-1.91e-06	-7.79e-03	-6.03e-03	-1.76e-03	-3.26e-03
		27	0.28	0.42	0.02	0.18	0.26	0.20	1.98e-03	-4.05e-03	-9.22e-04	-1.15e-03	3.01e-03
		19	0.32	0.44	-0.06	0.11	0.27	0.24	8.57e-04	-6.39e-03	-3.00e-03	-2.53e-03	-3.62e-03
18	40	18	0.42	0.29	-0.43	-0.04	-0.10	0.36	6.13e-03	-1.13e-03	3.48e-03	1.52e-03	3.50e-03
		26	0.29	0.18	-0.31	-0.04	-0.09	0.24	1.58e-04	-7.50e-03	-5.67e-03	-1.67e-03	-3.27e-03
		27	0.27	0.43	0.04	0.19	0.27	0.19	2.20e-03	-3.88e-03	-6.19e-04	-1.06e-03	3.03e-03
		19	0.32	0.45	-0.04	0.12	0.29	0.23	1.01e-03	-6.16e-03	-2.70e-03	-2.45e-03	-3.59e-03
18	41	18	0.43	0.29	-0.45	-0.05	-0.11	0.37	5.88e-03	-1.30e-03	3.12e-03	1.45e-03	3.49e-03
		26	0.30	0.18	-0.33	-0.05	-0.10	0.25	6.21e-06	-7.79e-03	-6.03e-03	-1.75e-03	-3.26e-03
		27	0.28	0.42	0.02	0.18	0.26	0.20	1.99e-03	-4.04e-03	-9.17e-04	-1.14e-03	3.01e-03
		19	0.32	0.44	-0.06	0.11	0.27	0.24	8.62e-04	-6.37e-03	-2.99e-03	-2.52e-03	-3.61e-03
18	42	18	0.42	0.29	-0.43	-0.04	-0.10	0.36	6.14e-03	-1.13e-03	3.48e-03	1.54e-03	3.50e-03
		26	0.29	0.18	-0.31	-0.04	-0.09	0.24	1.66e-04	-7.50e-03	-5.67e-03	-1.66e-03	-3.27e-03

		27	0.27	0.43	0.04	0.19	0.27	0.19	2.21e-03	-3.88e-03	-6.13e-04	-1.05e-03	3.04e-03
		19	0.32	0.45	-0.04	0.12	0.29	0.23	1.02e-03	-6.15e-03	-2.69e-03	-2.44e-03	-3.58e-03
18	43	18	0.43	0.28	-0.45	-0.05	-0.12	0.37	5.84e-03	-1.32e-03	3.08e-03	1.44e-03	3.49e-03
		26	0.30	0.18	-0.33	-0.05	-0.10	0.25	-1.09e-05	-7.82e-03	-6.07e-03	-1.76e-03	-3.26e-03
		27	0.28	0.42	0.02	0.18	0.26	0.20	1.94e-03	-4.06e-03	-9.75e-04	-1.15e-03	3.00e-03
		19	0.32	0.44	-0.06	0.11	0.27	0.24	8.41e-04	-6.43e-03	-3.05e-03	-2.53e-03	-3.62e-03
18	44	18	0.42	0.29	-0.43	-0.04	-0.10	0.36	6.16e-03	-1.12e-03	3.52e-03	1.52e-03	3.50e-03
		26	0.29	0.18	-0.31	-0.04	-0.09	0.24	1.68e-04	-7.47e-03	-5.63e-03	-1.67e-03	-3.27e-03
		27	0.27	0.43	0.04	0.19	0.27	0.19	2.24e-03	-3.86e-03	-5.66e-04	-1.06e-03	3.04e-03
		19	0.32	0.45	-0.04	0.12	0.29	0.23	1.03e-03	-6.13e-03	-2.65e-03	-2.45e-03	-3.58e-03
18	45	18	0.43	0.28	-0.45	-0.06	-0.12	0.37	5.85e-03	-1.31e-03	3.08e-03	1.45e-03	3.49e-03
		26	0.30	0.18	-0.33	-0.05	-0.10	0.25	-2.81e-06	-7.82e-03	-6.07e-03	-1.75e-03	-3.26e-03
		27	0.28	0.42	0.02	0.18	0.26	0.20	1.96e-03	-4.06e-03	-9.70e-04	-1.14e-03	3.01e-03
		19	0.32	0.44	-0.06	0.11	0.27	0.24	8.46e-04	-6.41e-03	-3.04e-03	-2.52e-03	-3.62e-03
18	46	18	0.42	0.29	-0.43	-0.04	-0.10	0.36	6.17e-03	-1.12e-03	3.52e-03	1.53e-03	3.51e-03
		26	0.29	0.18	-0.31	-0.04	-0.09	0.24	1.76e-04	-7.46e-03	-5.62e-03	-1.66e-03	-3.27e-03
		27	0.27	0.43	0.04	0.19	0.27	0.19	2.25e-03	-3.86e-03	-5.61e-04	-1.05e-03	3.04e-03
		19	0.32	0.45	-0.04	0.12	0.29	0.23	1.04e-03	-6.11e-03	-2.64e-03	-2.44e-03	-3.57e-03
18	47	18	0.43	0.29	-0.45	-0.05	-0.11	0.37	5.87e-03	-1.31e-03	3.12e-03	1.44e-03	3.49e-03
		26	0.30	0.18	-0.33	-0.05	-0.10	0.25	-1.65e-06	-7.79e-03	-6.03e-03	-1.76e-03	-3.26e-03
		27	0.28	0.42	0.02	0.18	0.26	0.20	1.98e-03	-4.05e-03	-9.22e-04	-1.15e-03	3.01e-03
		19	0.32	0.44	-0.06	0.11	0.27	0.24	8.51e-04	-6.38e-03	-3.00e-03	-2.53e-03	-3.61e-03
18	48	18	0.42	0.29	-0.43	-0.04	-0.10	0.36	6.14e-03	-1.14e-03	3.48e-03	1.52e-03	3.50e-03
		26	0.29	0.18	-0.31	-0.04	-0.09	0.24	1.58e-04	-7.50e-03	-5.67e-03	-1.67e-03	-3.27e-03
		27	0.27	0.43	0.04	0.19	0.27	0.19	2.21e-03	-3.88e-03	-6.19e-04	-1.06e-03	3.04e-03
		19	0.32	0.45	-0.04	0.12	0.29	0.23	1.01e-03	-6.16e-03	-2.70e-03	-2.45e-03	-3.58e-03
18	49	18	0.43	0.29	-0.45	-0.05	-0.11	0.37	5.88e-03	-1.30e-03	3.12e-03	1.45e-03	3.49e-03
		26	0.30	0.18	-0.33	-0.05	-0.10	0.25	5.94e-06	-7.78e-03	-6.03e-03	-1.75e-03	-3.26e-03
		27	0.28	0.42	0.02	0.18	0.26	0.20	1.99e-03	-4.04e-03	-9.17e-04	-1.13e-03	3.01e-03
		19	0.32	0.44	-0.06	0.11	0.27	0.24	8.67e-04	-6.38e-03	-2.99e-03	-2.52e-03	-3.62e-03
18	50	18	0.42	0.29	-0.43	-0.04	-0.10	0.36	6.14e-03	-1.12e-03	3.48e-03	1.54e-03	3.50e-03
		26	0.29	0.18	-0.31	-0.04	-0.09	0.24	1.66e-04	-7.50e-03	-5.67e-03	-1.66e-03	-3.27e-03
		27	0.27	0.43	0.04	0.19	0.27	0.19	2.21e-03	-3.87e-03	-6.14e-04	-1.05e-03	3.03e-03
		19	0.32	0.45	-0.04	0.12	0.29	0.23	1.02e-03	-6.15e-03	-2.69e-03	-2.44e-03	-3.59e-03
18	51	18	0.43	0.28	-0.45	-0.05	-0.12	0.37	5.84e-03	-1.32e-03	3.08e-03	1.44e-03	3.49e-03
		26	0.30	0.18	-0.33	-0.05	-0.10	0.25	-1.07e-05	-7.82e-03	-6.07e-03	-1.76e-03	-3.26e-03
		27	0.28	0.42	0.02	0.18	0.26	0.20	1.95e-03	-4.07e-03	-9.75e-04	-1.15e-03	3.01e-03
		19	0.32	0.44	-0.06	0.11	0.27	0.24	8.35e-04	-6.42e-03	-3.05e-03	-2.53e-03	-3.62e-03
18	52	18	0.42	0.29	-0.43	-0.04	-0.10	0.36	6.16e-03	-1.12e-03	3.52e-03	1.52e-03	3.50e-03
		26	0.29	0.18	-0.31	-0.04	-0.09	0.24	1.68e-04	-7.47e-03	-5.63e-03	-1.67e-03	-3.27e-03
		27	0.27	0.43	0.04	0.19	0.27	0.19	2.24e-03	-3.87e-03	-5.66e-04	-1.06e-03	3.04e-03
		19	0.32	0.45	-0.04	0.12	0.29	0.23	1.03e-03	-6.12e-03	-2.65e-03	-2.45e-03	-3.57e-03
18	53	18	0.43	0.28	-0.45	-0.06	-0.12	0.37	5.85e-03	-1.31e-03	3.08e-03	1.46e-03	3.49e-03
		26	0.30	0.18	-0.33	-0.05	-0.10	0.25	-3.07e-06	-7.82e-03	-6.07e-03	-1.75e-03	-3.26e-03
		27	0.28	0.42	0.02	0.18	0.26	0.20	1.95e-03	-4.06e-03	-9.70e-04	-1.14e-03	3.00e-03
		19	0.32	0.44	-0.06	0.11	0.27	0.24	8.51e-04	-6.42e-03	-3.04e-03	-2.52e-03	-3.62e-03
18	54	18	0.42	0.29	-0.43	-0.04	-0.10	0.36	6.17e-03	-1.11e-03	3.52e-03	1.53e-03	3.50e-03
		26	0.29	0.18	-0.31	-0.04	-0.09	0.24	1.75e-04	-7.46e-03	-5.62e-03	-1.66e-03	-3.27e-03
		27	0.27	0.43	0.04	0.19	0.27	0.19	2.25e-03	-3.85e-03	-5.61e-04	-1.05e-03	3.04e-03
		19	0.32	0.45	-0.04	0.12	0.29	0.23	1.04e-03	-6.12e-03	-2.64e-03	-2.44e-03	-3.58e-03
18	55	18	0.44	0.28	-0.48	-0.06	-0.13	0.38	5.57e-03	-1.51e-03	2.71e-03	1.35e-03	3.48e-03
		26	0.31	0.18	-0.35	-0.06	-0.11	0.26	-1.81e-04	-8.13e-03	-6.45e-03	-1.86e-03	-3.25e-03
		27	0.28	0.42	-1.40e-03	0.18	0.25	0.21	1.72e-03	-4.24e-03	-1.27e-03	-1.24e-03	2.98e-03
		19	0.33	0.44	-0.08	0.10	0.26	0.25	6.79e-04	-6.65e-03	-3.35e-03	-2.62e-03	-3.65e-03
18	56	18	0.41	0.29	-0.41	-0.03	-0.08	0.35	6.45e-03	-9.34e-04	3.89e-03	1.62e-03	3.51e-03
		26	0.28	0.18	-0.28	-0.03	-0.07	0.23	3.52e-04	-7.17e-03	-5.25e-03	-1.57e-03	-3.28e-03
		27	0.27	0.43	0.06	0.20	0.29	0.18	2.47e-03	-3.69e-03	-2.63e-04	-9.53e-04	3.06e-03
		19	0.31	0.45	-0.02	0.13	0.30	0.22	1.20e-03	-5.90e-03	-2.34e-03	-2.35e-03	-3.55e-03
18	57	18	0.44	0.28	-0.48	-0.06	-0.13	0.38	5.57e-03	-1.51e-03	2.71e-03	1.35e-03	3.48e-03
		26	0.31	0.18	-0.35	-0.06	-0.11	0.26	-1.79e-04	-8.13e-03	-6.44e-03	-1.86e-03	-3.25e-03
		27	0.28	0.42	-1.45e-03	0.18	0.25	0.21	1.73e-03	-4.24e-03	-1.27e-03	-1.24e-03	2.99e-03
		19	0.33	0.44	-0.08	0.10	0.26	0.25	6.81e-04	-6.65e-03	-3.35e-03	-2.62e-03	-3.65e-03
18	58	18	0.41	0.29	-0.41	-0.03	-0.08	0.35	6.45e-03	-9.32e-04	3.89e-03	1.63e-03	3.51e-03
		26	0.28	0.18	-0.28	-0.03	-0.07	0.23	3.54e-04	-7.17e-03	-5.25e-03	-1.56e-03	-3.28e-03
		27	0.27	0.43	0.06	0.20	0.29	0.18	2.48e-03	-3.69e-03	-2.61e-04	-9.50e-04	3.06e-03
		19	0.31	0.45	-0.02	0.13	0.30	0.22	1.20e-03	-5.89e-03	-2.34e-03	-2.35e-03	-3.55e-03
18	59	18	0.44	0.28	-0.48	-0.06	-0.13	0.38	5.57e-03	-1.51e-03	2.71e-03	1.35e-03	3.48e-03
		26	0.31	0.18	-0.35	-0.06	-0.11	0.26	-1.81e-04	-8.13e-03	-6.45e-03	-1.86e-03	-3.25e-03
		27	0.28	0.42	-1.41e-03	0.18	0.25	0.21	1.73e-03	-4.24e-03	-1.27e-03	-1.24e-03	2.99e-03
		19	0.33	0.44	-0.08	0.10	0.26	0.25	6.78e-04	-6.65e-03	-3.35e-03	-2.62e-03	-3.65e-03
18	60	18	0.41	0.29	-0.41	-0.03	-0.08	0.35	6.45e-03	-9.35e-04	3.89e-03	1.62e-03	3.51e-03
		26	0.28	0.18	-0.28	-0.03	-0.07	0.23	3.52e-04	-7.17e-03	-5.25e-03	-1.57e-03	-3.28e-03
		27	0.27	0.43	0.06	0.20	0.29	0.18	2.48e-03	-3.69e-03	-2.63e-04	-9.53e-04	3.06e-03
		19	0.31	0.45	-0.02	0.13	0.30	0.22	1.20e-03	-5.89e-03	-2.34e-03	-2.35e-03	-3.55e-03
18	61	18	0.44	0.28	-0.48	-0.06	-0.13	0.38	5.57e-03	-1.51e-03	2.71e-03	1.35e-03	3.48e-03
		26	0.31	0.18	-0.35	-0.06	-0.11	0.26	-1.79e-04	-8.13e-03	-6.44e-03	-1.86e-03	-3.25e-03
		27	0.28	0.42	-1.45e-03	0.18	0.25	0.21	1.73e-03	-4.24e-03	-1.27e-03	-1.24e-03	2.98e-03

		19	0.33	0.44	-0.08	0.10	0.26	0.25	6.83e-04	-6.65e-03	-3.35e-03	-2.62e-03	-3.65e-03
18	62	18	0.41	0.29	-0.41	-0.03	-0.08	0.35	6.45e-03	-9.31e-04	3.89e-03	1.63e-03	3.51e-03
		26	0.28	0.18	-0.28	-0.03	-0.07	0.23	3.54e-04	-7.17e-03	-5.25e-03	-1.56e-03	-3.28e-03
		27	0.27	0.43	0.06	0.20	0.29	0.18	2.48e-03	-3.69e-03	-2.61e-04	-9.50e-04	3.06e-03
		19	0.31	0.45	-0.02	0.13	0.30	0.22	1.21e-03	-5.89e-03	-2.34e-03	-2.35e-03	-3.55e-03
18	63	18	0.44	0.27	-0.48	-0.07	-0.14	0.38	5.48e-03	-1.56e-03	2.57e-03	1.35e-03	3.47e-03
		26	0.31	0.17	-0.35	-0.06	-0.12	0.26	-2.09e-04	-8.24e-03	-6.59e-03	-1.86e-03	-3.25e-03
		27	0.28	0.42	-4.11e-03	0.17	0.24	0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	2.96e-03
		19	0.33	0.43	-0.09	0.10	0.25	0.25	6.30e-04	-6.78e-03	-3.52e-03	-2.63e-03	-3.68e-03
18	64	18	0.41	0.30	-0.40	-0.03	-0.07	0.35	6.55e-03	-8.99e-04	4.03e-03	1.62e-03	3.52e-03
		26	0.28	0.19	-0.28	-0.02	-0.07	0.23	3.87e-04	-7.06e-03	-5.11e-03	-1.57e-03	-3.28e-03
		27	0.27	0.43	0.06	0.20	0.29	0.18	2.60e-03	-3.63e-03	-8.69e-05	-9.52e-04	3.09e-03
		19	0.32	0.46	-0.02	0.13	0.31	0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.35e-03	-3.52e-03
18	65	18	0.44	0.27	-0.48	-0.07	-0.14	0.38	5.48e-03	-1.56e-03	2.57e-03	1.36e-03	3.47e-03
		26	0.31	0.17	-0.35	-0.06	-0.12	0.26	-2.06e-04	-8.24e-03	-6.59e-03	-1.86e-03	-3.25e-03
		27	0.28	0.42	-4.16e-03	0.17	0.24	0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	2.96e-03
		19	0.33	0.43	-0.09	0.10	0.25	0.25	6.31e-04	-6.77e-03	-3.52e-03	-2.62e-03	-3.67e-03
18	66	18	0.41	0.30	-0.40	-0.03	-0.07	0.35	6.55e-03	-8.97e-04	4.03e-03	1.62e-03	3.52e-03
		26	0.28	0.19	-0.28	-0.02	-0.07	0.23	3.89e-04	-7.06e-03	-5.11e-03	-1.56e-03	-3.28e-03
		27	0.27	0.43	0.06	0.20	0.29	0.18	2.60e-03	-3.63e-03	-8.52e-05	-9.49e-04	3.09e-03
		19	0.32	0.46	-0.02	0.13	0.31	0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.35e-03	-3.52e-03
18	67	18	0.44	0.27	-0.48	-0.07	-0.14	0.38	5.48e-03	-1.56e-03	2.57e-03	1.35e-03	3.47e-03
		26	0.31	0.17	-0.35	-0.06	-0.12	0.26	-2.09e-04	-8.24e-03	-6.59e-03	-1.86e-03	-3.25e-03
		27	0.28	0.42	-4.11e-03	0.17	0.24	0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	2.96e-03
		19	0.33	0.43	-0.09	0.10	0.25	0.25	6.28e-04	-6.77e-03	-3.52e-03	-2.63e-03	-3.67e-03
18	68	18	0.41	0.30	-0.40	-0.03	-0.07	0.35	6.55e-03	-9.00e-04	4.03e-03	1.62e-03	3.52e-03
		26	0.28	0.19	-0.28	-0.02	-0.07	0.23	3.87e-04	-7.06e-03	-5.11e-03	-1.57e-03	-3.28e-03
		27	0.27	0.43	0.06	0.20	0.29	0.18	2.60e-03	-3.64e-03	-8.68e-05	-9.52e-04	3.09e-03
		19	0.32	0.46	-0.02	0.13	0.31	0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.35e-03	-3.52e-03
18	69	18	0.44	0.27	-0.48	-0.07	-0.14	0.38	5.48e-03	-1.56e-03	2.57e-03	1.36e-03	3.47e-03
		26	0.31	0.17	-0.35	-0.06	-0.12	0.26	-2.06e-04	-8.24e-03	-6.59e-03	-1.86e-03	-3.25e-03
		27	0.28	0.42	-4.15e-03	0.17	0.24	0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	2.96e-03
		19	0.33	0.43	-0.09	0.10	0.25	0.25	6.33e-04	-6.77e-03	-3.52e-03	-2.62e-03	-3.68e-03
18	70	18	0.41	0.30	-0.40	-0.03	-0.07	0.35	6.55e-03	-8.96e-04	4.03e-03	1.62e-03	3.52e-03
		26	0.28	0.19	-0.28	-0.02	-0.07	0.23	3.89e-04	-7.06e-03	-5.11e-03	-1.56e-03	-3.28e-03
		27	0.27	0.43	0.06	0.20	0.29	0.18	2.60e-03	-3.63e-03	-8.53e-05	-9.49e-04	3.09e-03
		19	0.32	0.46	-0.02	0.13	0.31	0.22	1.27e-03	-5.78e-03	-2.17e-03	-2.35e-03	-3.52e-03
18	71	18	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		27	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		19	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
18	72	18	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		27	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		19	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
18	73	18	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		27	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		19	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
18	74	18	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		27	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		19	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
18	75	18	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		27	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		19	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
18	76	18	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		26	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		27	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		19	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
19	1	19	0.45	0.47	-0.24	0.06	0.17	0.35	0.01	-9.08e-03	2.89e-03	-6.79e-04	0.01
		27	0.29	0.37	-0.02	0.17	0.17	0.19	2.52e-03	-0.02	-0.01	-4.93e-03	-0.01
		28	0.22	0.38	0.26	0.27	0.36	0.04	7.03e-03	-0.01	-6.94e-03	1.63e-04	9.79e-03
		20	0.23	0.38	0.13	0.14	0.38	-0.04	0.01	-0.01	-7.20e-04	2.52e-04	-0.01
19	2	19	0.45	0.47	-0.24	0.06	0.17	0.35	0.01	-9.08e-03	2.89e-03	-6.79e-04	0.01
		27	0.29	0.37	-0.02	0.17	0.17	0.19	2.52e-03	-0.02	-0.01	-4.93e-03	-0.01
		28	0.22	0.38	0.26	0.27	0.36	0.04	7.03e-03	-0.01	-6.94e-03	1.63e-04	9.79e-03
		20	0.23	0.38	0.13	0.14	0.38	-0.04	0.01	-0.01	-7.20e-04	2.52e-04	-0.01
19	3	19	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		27	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		28	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		20	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
19	4	19	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		27	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		28	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		20	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03

19	5	19	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		27	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		28	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		20	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
19	6	19	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		27	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		28	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		20	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
19	7	19	21.50	33.15	0.25	5.00	28.40	11.56	0.17	-0.03	0.12	0.02	0.09
		27	20.74	32.19	0.86	5.08	27.97	-10.69	0.04	-0.14	-0.08	-0.02	-0.09
		28	20.91	32.37	0.72	5.03	28.06	10.86	0.05	-0.13	-0.07	-5.18e-03	0.08
		20	21.44	33.09	0.38	4.99	28.48	-11.38	0.18	-0.03	0.12	0.03	-0.09
19	8	19	3.18	-0.18	-5.01	-0.77	-4.43	-1.58	1.45e-03	-0.03	-9.80e-03	-0.02	0.02
		27	3.38	3.07e-03	-5.14	-0.78	-4.36	1.84	-7.47e-03	-0.04	-7.51e-03	-0.04	1.01e-03
		28	3.20	0.16	-4.87	-0.50	-4.21	-1.70	6.04e-03	-1.41e-03	3.68e-03	9.49e-04	3.47e-03
		20	3.26	0.07	-4.99	-0.67	-4.25	1.78	-2.44e-03	-0.02	-0.02	-5.95e-03	-7.67e-03
19	9	19	23.45	36.17	0.29	5.46	31.01	12.60	0.19	-0.03	0.14	0.03	0.10
		27	22.66	35.15	0.92	5.54	30.54	-11.69	0.05	-0.16	-0.09	-0.02	-0.09
		28	22.82	35.32	0.77	5.47	30.62	11.85	0.06	-0.14	-0.08	-5.58e-03	0.09
		20	23.41	36.11	0.40	5.44	31.07	-12.43	0.19	-0.03	0.13	0.03	-0.10
19	10	19	1.26	-0.14	-1.99	-0.31	-1.82	-0.54	0.02	-0.03	1.45e-03	-0.02	0.02
		27	1.47	0.06	-2.18	-0.32	-1.79	0.84	-0.01	-0.04	-0.01	-0.04	-6.26e-03
		28	1.34	0.21	-1.92	-0.06	-1.65	-0.71	9.61e-03	-0.01	-2.58e-03	5.51e-04	0.01
		20	1.34	0.09	-1.96	-0.22	-1.65	0.74	9.91e-03	-0.02	-8.18e-03	-2.95e-03	-0.02
19	11	19	21.50	33.14	0.25	5.00	28.40	11.56	0.17	-0.03	0.12	0.02	0.09
		27	20.74	32.19	0.86	5.08	27.97	-10.69	0.04	-0.14	-0.08	-0.02	-0.09
		28	20.91	32.36	0.72	5.03	28.05	10.85	0.05	-0.13	-0.07	-5.16e-03	0.08
		20	21.44	33.09	0.38	4.99	28.47	-11.39	0.18	-0.03	0.12	0.03	-0.09
19	12	19	3.18	-0.18	-5.01	-0.77	-4.42	-1.58	1.49e-03	-0.03	-9.77e-03	-0.02	0.02
		27	3.39	7.13e-03	-5.14	-0.77	-4.36	1.85	-7.44e-03	-0.04	-7.48e-03	-0.04	1.02e-03
		28	3.20	0.16	-4.87	-0.50	-4.20	-1.70	6.09e-03	-1.41e-03	3.75e-03	9.26e-04	3.47e-03
		20	3.26	0.07	-4.99	-0.67	-4.25	1.79	-2.44e-03	-0.02	-0.02	-5.95e-03	-7.65e-03
19	13	19	23.45	36.17	0.29	5.45	31.00	12.59	0.19	-0.03	0.14	0.03	0.10
		27	22.66	35.15	0.92	5.53	30.54	-11.70	0.05	-0.16	-0.09	-0.02	-0.09
		28	22.82	35.32	0.77	5.47	30.61	11.85	0.06	-0.14	-0.08	-5.56e-03	0.09
		20	23.41	36.11	0.40	5.44	31.07	-12.43	0.19	-0.03	0.13	0.03	-0.10
19	14	19	1.25	-0.14	-1.99	-0.31	-1.82	-0.54	0.02	-0.03	1.48e-03	-0.02	0.02
		27	1.47	0.07	-2.18	-0.32	-1.79	0.84	-0.01	-0.04	-0.01	-0.04	-6.25e-03
		28	1.34	0.21	-1.91	-0.06	-1.64	-0.71	9.63e-03	-0.01	-2.51e-03	5.29e-04	0.01
		20	1.34	0.10	-1.96	-0.22	-1.65	0.74	9.92e-03	-0.02	-8.10e-03	-2.95e-03	-0.02
19	15	19	21.50	33.15	0.25	5.00	28.40	11.56	0.17	-0.03	0.12	0.02	0.09
		27	20.74	32.19	0.86	5.08	27.97	-10.69	0.04	-0.14	-0.08	-0.02	-0.09
		28	20.91	32.37	0.72	5.03	28.06	10.86	0.05	-0.13	-0.07	-5.18e-03	0.08
		20	21.44	33.09	0.38	4.99	28.48	-11.38	0.18	-0.03	0.12	0.03	-0.09
19	16	19	3.18	-0.18	-5.01	-0.77	-4.43	-1.58	1.46e-03	-0.03	-9.80e-03	-0.02	0.02
		27	3.38	3.02e-03	-5.14	-0.78	-4.36	1.84	-7.48e-03	-0.04	-7.51e-03	-0.04	1.00e-03
		28	3.20	0.16	-4.87	-0.50	-4.21	-1.70	6.03e-03	-1.40e-03	3.68e-03	9.50e-04	3.45e-03
		20	3.26	0.07	-4.99	-0.67	-4.25	1.78	-2.45e-03	-0.02	-0.02	-5.94e-03	-7.66e-03
19	17	19	23.45	36.17	0.29	5.46	31.01	12.60	0.19	-0.03	0.14	0.03	0.10
		27	22.66	35.15	0.92	5.54	30.54	-11.69	0.05	-0.16	-0.09	-0.02	-0.09
		28	22.82	35.32	0.77	5.47	30.62	11.85	0.06	-0.14	-0.08	-5.58e-03	0.09
		20	23.41	36.11	0.40	5.44	31.07	-12.43	0.19	-0.03	0.13	0.03	-0.10
19	18	19	1.26	-0.14	-1.99	-0.31	-1.82	-0.54	0.02	-0.03	1.45e-03	-0.02	0.02
		27	1.47	0.06	-2.18	-0.32	-1.79	0.84	-0.01	-0.04	-0.01	-0.04	-6.25e-03
		28	1.34	0.21	-1.92	-0.06	-1.65	-0.71	9.62e-03	-0.01	-2.58e-03	5.49e-04	0.01
		20	1.34	0.09	-1.96	-0.22	-1.65	0.74	9.92e-03	-0.02	-8.18e-03	-2.95e-03	-0.02
19	19	19	21.50	33.14	0.25	5.00	28.40	11.56	0.17	-0.03	0.12	0.02	0.09
		27	20.74	32.19	0.86	5.08	27.97	-10.69	0.04	-0.14	-0.08	-0.02	-0.09
		28	20.91	32.36	0.72	5.03	28.05	10.85	0.05	-0.13	-0.07	-5.16e-03	0.08
		20	21.44	33.09	0.38	4.99	28.47	-11.39	0.18	-0.03	0.12	0.03	-0.09
19	20	19	3.18	-0.18	-5.01	-0.77	-4.42	-1.58	1.50e-03	-0.03	-9.77e-03	-0.02	0.02
		27	3.39	7.09e-03	-5.14	-0.77	-4.36	1.85	-7.45e-03	-0.04	-7.48e-03	-0.04	1.01e-03
		28	3.20	0.16	-4.87	-0.50	-4.20	-1.70	6.08e-03	-1.40e-03	3.75e-03	9.28e-04	3.46e-03
		20	3.26	0.07	-4.99	-0.67	-4.25	1.79	-2.45e-03	-0.02	-0.02	-5.94e-03	-7.64e-03
19	21	19	23.45	36.17	0.29	5.45	31.00	12.59	0.19	-0.03	0.14	0.03	0.10
		27	22.66	35.15	0.92	5.53	30.54	-11.70	0.05	-0.16	-0.09	-0.02	-0.09
		28	22.82	35.32	0.77	5.47	30.61	11.85	0.06	-0.14	-0.08	-5.56e-03	0.09
		20	23.41	36.11	0.40	5.44	31.07	-12.43	0.19	-0.03	0.13	0.03	-0.10
19	22	19	1.25	-0.14	-1.99	-0.31	-1.82	-0.54	0.02	-0.03	1.48e-03	-0.02	0.02
		27	1.47	0.07	-2.18	-0.32	-1.79	0.84	-0.01	-0.04	-0.01	-0.04	-6.24e-03
		28	1.34	0.21	-1.91	-0.06	-1.64	-0.71	9.65e-03	-0.01	-2.51e-03	5.27e-04	0.01
		20	1.34	0.10	-1.96	-0.22	-1.65	0.74	9.93e-03	-0.02	-8.11e-03	-2.95e-03	-0.02
19	23	19	81.43	125.82	1.35	18.98	108.19	43.40	0.65	-0.09	0.47	0.09	0.31
		27	79.39	122.96	2.63	19.05	106.55	-41.30	0.15	-0.51	-0.30	-0.06	-0.31
		28	79.51	122.90	2.19	18.63	106.46	41.40	0.18	-0.47	-0.27	-0.02	0.30
		20	81.50	125.69	1.13	18.78	108.04	-43.44	0.65	-0.08	0.46	0.12	-0.32
19	24	19	0.96	-0.10	-1.37	-0.24	-1.23	-0.40	0.07	-0.10	0.02	-0.06	0.07

		27	1.06	-0.24	-1.46	-0.47	-1.22	0.48	-0.04	-0.12	-0.04	-0.12	-0.02
		28	1.02	0.34	-1.23	0.19	-1.08	-0.47	0.03	-0.04	-8.57e-03	5.08e-04	0.03
		20	0.96	0.09	-1.23	-0.08	-1.05	0.45	0.04	-0.05	-4.22e-03	-4.71e-03	-0.05
19	25	19	82.01	126.73	1.36	19.12	108.97	43.72	0.65	-0.09	0.47	0.09	0.32
		27	79.96	123.85	2.65	19.19	107.32	-41.60	0.16	-0.51	-0.30	-0.06	-0.31
		28	80.09	123.78	2.21	18.76	107.23	41.70	0.18	-0.47	-0.27	-0.02	0.30
		20	82.09	126.60	1.13	18.91	108.82	-43.75	0.66	-0.08	0.46	0.12	-0.33
19	26	19	0.49	-0.09	-0.47	-0.11	-0.44	-0.09	0.07	-0.10	0.03	-0.06	0.08
		27	0.53	-0.20	-0.58	-0.33	-0.45	0.18	-0.04	-0.12	-0.04	-0.12	-0.02
		28	0.50	0.36	-0.35	0.32	-0.31	-0.17	0.03	-0.04	-0.01	3.88e-04	0.03
		20	0.41	0.10	-0.32	0.05	-0.27	0.14	0.05	-0.05	-9.11e-04	-3.81e-03	-0.05
19	27	19	81.43	125.82	1.35	18.98	108.19	43.40	0.65	-0.09	0.47	0.09	0.31
		27	79.39	122.96	2.63	19.05	106.55	-41.30	0.15	-0.51	-0.30	-0.06	-0.31
		28	79.51	122.90	2.19	18.63	106.46	41.40	0.18	-0.47	-0.27	-0.02	0.30
		20	81.50	125.69	1.13	18.78	108.04	-43.44	0.65	-0.08	0.46	0.12	-0.32
19	28	19	0.96	-0.10	-1.37	-0.24	-1.23	-0.40	0.07	-0.10	0.02	-0.06	0.07
		27	1.06	-0.24	-1.46	-0.47	-1.22	0.48	-0.04	-0.12	-0.04	-0.12	-0.02
		28	1.02	0.34	-1.23	0.19	-1.08	-0.47	0.03	-0.04	-8.57e-03	5.08e-04	0.03
		20	0.96	0.09	-1.23	-0.08	-1.05	0.45	0.04	-0.05	-4.22e-03	-4.71e-03	-0.05
19	29	19	82.01	126.73	1.36	19.12	108.97	43.72	0.65	-0.09	0.47	0.09	0.32
		27	79.96	123.85	2.65	19.19	107.32	-41.60	0.16	-0.51	-0.30	-0.06	-0.31
		28	80.09	123.78	2.21	18.76	107.23	41.70	0.18	-0.47	-0.27	-0.02	0.30
		20	82.09	126.60	1.13	18.91	108.82	-43.75	0.66	-0.08	0.46	0.12	-0.33
19	30	19	0.49	-0.09	-0.47	-0.11	-0.44	-0.09	0.07	-0.10	0.03	-0.06	0.08
		27	0.53	-0.20	-0.58	-0.33	-0.45	0.18	-0.04	-0.12	-0.04	-0.12	-0.02
		28	0.50	0.36	-0.35	0.32	-0.31	-0.17	0.03	-0.04	-0.01	3.88e-04	0.03
		20	0.41	0.10	-0.32	0.05	-0.27	0.14	0.05	-0.05	-9.11e-04	-3.81e-03	-0.05
19	31	19	81.42	125.81	1.35	18.97	108.18	43.39	0.65	-0.09	0.47	0.09	0.31
		27	79.39	122.96	2.62	19.04	106.54	-41.31	0.15	-0.51	-0.30	-0.06	-0.31
		28	79.50	122.89	2.20	18.63	106.45	41.39	0.18	-0.47	-0.27	-0.02	0.30
		20	81.50	125.68	1.12	18.77	108.03	-43.45	0.65	-0.08	0.46	0.12	-0.32
19	32	19	0.94	-0.10	-1.35	-0.24	-1.21	-0.39	0.07	-0.10	0.02	-0.06	0.07
		27	1.06	-0.22	-1.46	-0.46	-1.22	0.49	-0.04	-0.12	-0.04	-0.12	-0.02
		28	1.01	0.34	-1.22	0.19	-1.07	-0.46	0.03	-0.04	-8.33e-03	4.34e-04	0.03
		20	0.96	0.10	-1.22	-0.08	-1.04	0.46	0.04	-0.05	-3.98e-03	-4.71e-03	-0.05
19	33	19	82.00	126.71	1.36	19.11	108.96	43.71	0.65	-0.09	0.47	0.09	0.32
		27	79.97	123.85	2.64	19.18	107.31	-41.61	0.16	-0.51	-0.30	-0.06	-0.31
		28	80.08	123.77	2.21	18.76	107.22	41.69	0.18	-0.47	-0.27	-0.02	0.30
		20	82.09	126.59	1.12	18.91	108.81	-43.76	0.66	-0.08	0.46	0.12	-0.33
19	34	19	0.49	-0.08	-0.45	-0.10	-0.43	-0.08	0.07	-0.10	0.03	-0.06	0.08
		27	0.52	-0.19	-0.59	-0.33	-0.45	0.19	-0.04	-0.12	-0.04	-0.12	-0.02
		28	0.49	0.36	-0.34	0.32	-0.31	-0.16	0.03	-0.04	-0.01	3.15e-04	0.03
		20	0.42	0.11	-0.32	0.05	-0.26	0.15	0.05	-0.05	-6.65e-04	-3.81e-03	-0.05
19	35	19	81.42	125.81	1.35	18.97	108.18	43.39	0.65	-0.09	0.47	0.09	0.31
		27	79.39	122.96	2.62	19.04	106.54	-41.31	0.15	-0.51	-0.30	-0.06	-0.31
		28	79.50	122.89	2.20	18.63	106.45	41.39	0.18	-0.47	-0.27	-0.02	0.30
		20	81.50	125.68	1.12	18.77	108.03	-43.45	0.65	-0.08	0.46	0.12	-0.32
19	36	19	0.94	-0.10	-1.35	-0.24	-1.21	-0.39	0.07	-0.10	0.02	-0.06	0.07
		27	1.06	-0.22	-1.46	-0.46	-1.22	0.49	-0.04	-0.12	-0.04	-0.12	-0.02
		28	1.01	0.34	-1.22	0.19	-1.07	-0.46	0.03	-0.04	-8.33e-03	4.35e-04	0.03
		20	0.96	0.10	-1.22	-0.08	-1.04	0.46	0.04	-0.05	-3.98e-03	-4.71e-03	-0.05
19	37	19	82.00	126.71	1.36	19.11	108.96	43.71	0.65	-0.09	0.47	0.09	0.32
		27	79.97	123.85	2.64	19.18	107.31	-41.61	0.16	-0.51	-0.30	-0.06	-0.31
		28	80.08	123.77	2.21	18.76	107.22	41.69	0.18	-0.47	-0.27	-0.02	0.30
		20	82.09	126.59	1.12	18.91	108.81	-43.76	0.66	-0.08	0.46	0.12	-0.33
19	38	19	0.49	-0.08	-0.45	-0.10	-0.43	-0.08	0.07	-0.10	0.03	-0.06	0.08
		27	0.52	-0.19	-0.59	-0.33	-0.45	0.19	-0.04	-0.12	-0.04	-0.12	-0.02
		28	0.49	0.36	-0.34	0.32	-0.31	-0.16	0.03	-0.04	-0.01	3.14e-04	0.03
		20	0.42	0.11	-0.32	0.05	-0.26	0.15	0.05	-0.05	-6.65e-04	-3.81e-03	-0.05
19	39	19	0.36	0.37	-0.20	0.04	0.13	0.28	8.58e-03	-7.07e-03	2.13e-03	-6.25e-04	7.70e-03
		27	0.24	0.29	-0.03	0.13	0.13	0.16	1.85e-03	-0.02	-9.29e-03	-3.89e-03	-7.99e-03
		28	0.18	0.30	0.19	0.21	0.28	0.04	5.31e-03	-0.01	-5.38e-03	2.26e-05	7.52e-03
		20	0.17	0.29	0.10	0.11	0.29	-0.02	7.98e-03	-8.48e-03	-5.96e-04	8.83e-05	-8.22e-03
19	40	19	0.33	0.36	-0.17	0.05	0.14	0.26	8.78e-03	-6.91e-03	2.32e-03	-4.52e-04	7.72e-03
		27	0.22	0.27	-1.70e-03	0.14	0.14	0.14	2.01e-03	-0.01	-9.09e-03	-3.71e-03	-7.97e-03
		28	0.17	0.29	0.21	0.21	0.28	0.02	5.49e-03	-0.01	-5.30e-03	2.04e-04	7.55e-03
		20	0.19	0.30	0.10	0.11	0.29	-0.04	8.08e-03	-8.33e-03	-5.19e-04	2.66e-04	-8.19e-03
19	41	19	0.36	0.37	-0.20	0.04	0.13	0.28	8.59e-03	-7.06e-03	2.13e-03	-5.92e-04	7.71e-03
		27	0.24	0.29	-0.03	0.13	0.13	0.16	1.86e-03	-0.02	-9.29e-03	-3.87e-03	-7.99e-03
		28	0.18	0.30	0.19	0.21	0.28	0.04	5.32e-03	-0.01	-5.38e-03	4.70e-05	7.51e-03
		20	0.17	0.29	0.10	0.11	0.29	-0.02	7.99e-03	-8.46e-03	-5.89e-04	1.22e-04	-8.22e-03
19	42	19	0.33	0.36	-0.17	0.05	0.14	0.26	8.80e-03	-6.89e-03	2.32e-03	-4.19e-04	7.72e-03
		27	0.22	0.27	-1.86e-03	0.13	0.14	0.14	2.03e-03	-0.01	-9.09e-03	-3.69e-03	-7.98e-03
		28	0.17	0.29	0.21	0.21	0.28	0.02	5.50e-03	-0.01	-5.30e-03	2.29e-04	7.54e-03
		20	0.19	0.30	0.10	0.11	0.29	-0.04	8.09e-03	-8.30e-03	-5.12e-04	3.00e-04	-8.19e-03
19	43	19	0.36	0.37	-0.20	0.04	0.13	0.28	8.56e-03	-7.07e-03	2.12e-03	-6.25e-04	7.70e-03
		27	0.23	0.29	-0.03	0.13	0.13	0.16	1.85e-03	-0.02	-9.30e-03	-3.88e-03	-7.99e-03

		28	0.18	0.30	0.19	0.21	0.28	0.04	5.30e-03	-0.01	-5.41e-03	3.08e-05	7.51e-03
		20	0.17	0.29	0.10	0.11	0.29	-0.02	7.97e-03	-8.50e-03	-6.23e-04	8.85e-05	-8.23e-03
19	44	19	0.34	0.36	-0.17	0.05	0.14	0.26	8.79e-03	-6.91e-03	2.33e-03	-4.51e-04	7.73e-03
		27	0.22	0.28	-1.96e-03	0.14	0.14	0.14	2.01e-03	-0.01	-9.08e-03	-3.72e-03	-7.97e-03
		28	0.17	0.29	0.21	0.21	0.28	0.02	5.49e-03	-0.01	-5.28e-03	1.96e-04	7.55e-03
		20	0.19	0.30	0.10	0.11	0.29	-0.04	8.08e-03	-8.31e-03	-4.91e-04	2.66e-04	-8.19e-03
19	45	19	0.36	0.37	-0.20	0.04	0.13	0.28	8.58e-03	-7.05e-03	2.12e-03	-5.93e-04	7.70e-03
		27	0.23	0.29	-0.03	0.13	0.13	0.16	1.87e-03	-0.02	-9.30e-03	-3.86e-03	-8.00e-03
		28	0.18	0.30	0.19	0.21	0.28	0.04	5.32e-03	-0.01	-5.40e-03	5.52e-05	7.51e-03
		20	0.17	0.29	0.10	0.11	0.29	-0.02	7.98e-03	-8.48e-03	-6.17e-04	1.22e-04	-8.22e-03
19	46	19	0.34	0.36	-0.17	0.05	0.14	0.26	8.81e-03	-6.90e-03	2.33e-03	-4.19e-04	7.73e-03
		27	0.22	0.28	-2.12e-03	0.14	0.14	0.14	2.03e-03	-0.01	-9.08e-03	-3.70e-03	-7.97e-03
		28	0.17	0.29	0.21	0.21	0.28	0.02	5.50e-03	-0.01	-5.27e-03	2.21e-04	7.55e-03
		20	0.19	0.30	0.10	0.11	0.29	-0.04	8.10e-03	-8.28e-03	-4.85e-04	2.99e-04	-8.18e-03
19	47	19	0.36	0.37	-0.20	0.04	0.13	0.28	8.58e-03	-7.08e-03	2.13e-03	-6.24e-04	7.71e-03
		27	0.24	0.29	-0.03	0.13	0.13	0.16	1.85e-03	-0.02	-9.29e-03	-3.89e-03	-7.99e-03
		28	0.18	0.30	0.19	0.21	0.28	0.04	5.31e-03	-0.01	-5.38e-03	2.31e-05	7.51e-03
		20	0.17	0.29	0.10	0.11	0.29	-0.02	7.97e-03	-8.48e-03	-5.96e-04	8.90e-05	-8.22e-03
19	48	19	0.33	0.36	-0.17	0.05	0.14	0.26	8.78e-03	-6.91e-03	2.32e-03	-4.51e-04	7.72e-03
		27	0.22	0.27	-1.71e-03	0.14	0.14	0.14	2.01e-03	-0.01	-9.09e-03	-3.71e-03	-7.98e-03
		28	0.17	0.29	0.21	0.21	0.28	0.02	5.48e-03	-0.01	-5.30e-03	2.05e-04	7.54e-03
		20	0.19	0.30	0.10	0.11	0.29	-0.04	8.07e-03	-8.32e-03	-5.18e-04	2.67e-04	-8.19e-03
19	49	19	0.36	0.37	-0.20	0.04	0.13	0.28	8.59e-03	-7.05e-03	2.13e-03	-5.93e-04	7.70e-03
		27	0.24	0.29	-0.03	0.13	0.13	0.16	1.86e-03	-0.02	-9.29e-03	-3.87e-03	-7.99e-03
		28	0.18	0.30	0.19	0.21	0.28	0.04	5.33e-03	-0.01	-5.38e-03	4.65e-05	7.52e-03
		20	0.17	0.29	0.10	0.11	0.29	-0.02	8.00e-03	-8.46e-03	-5.90e-04	1.21e-04	-8.22e-03
19	50	19	0.33	0.36	-0.17	0.05	0.14	0.26	8.79e-03	-6.89e-03	2.32e-03	-4.20e-04	7.72e-03
		27	0.22	0.27	-1.85e-03	0.14	0.14	0.14	2.03e-03	-0.01	-9.09e-03	-3.69e-03	-7.97e-03
		28	0.17	0.29	0.21	0.21	0.28	0.02	5.50e-03	-0.01	-5.30e-03	2.28e-04	7.55e-03
		20	0.19	0.30	0.10	0.11	0.29	-0.04	8.10e-03	-8.31e-03	-5.12e-04	2.99e-04	-8.19e-03
19	51	19	0.36	0.37	-0.20	0.04	0.13	0.28	8.57e-03	-7.07e-03	2.12e-03	-6.25e-04	7.70e-03
		27	0.23	0.29	-0.03	0.13	0.13	0.16	1.85e-03	-0.02	-9.30e-03	-3.88e-03	-8.00e-03
		28	0.18	0.30	0.19	0.21	0.28	0.04	5.30e-03	-0.01	-5.41e-03	3.13e-05	7.51e-03
		20	0.17	0.29	0.10	0.11	0.29	-0.02	7.96e-03	-8.50e-03	-6.23e-04	8.92e-05	-8.22e-03
19	52	19	0.34	0.36	-0.17	0.05	0.14	0.26	8.80e-03	-6.92e-03	2.33e-03	-4.51e-04	7.73e-03
		27	0.22	0.28	-1.97e-03	0.14	0.14	0.14	2.01e-03	-0.01	-9.08e-03	-3.72e-03	-7.97e-03
		28	0.17	0.29	0.21	0.21	0.28	0.02	5.49e-03	-0.01	-5.28e-03	1.97e-04	7.55e-03
		20	0.19	0.30	0.10	0.11	0.29	-0.04	8.08e-03	-8.30e-03	-4.91e-04	2.67e-04	-8.18e-03
19	53	19	0.36	0.37	-0.20	0.04	0.13	0.28	8.58e-03	-7.05e-03	2.12e-03	-5.93e-04	7.70e-03
		27	0.23	0.29	-0.03	0.13	0.13	0.16	1.86e-03	-0.02	-9.30e-03	-3.86e-03	-7.99e-03
		28	0.18	0.30	0.19	0.21	0.28	0.04	5.32e-03	-0.01	-5.40e-03	5.47e-05	7.51e-03
		20	0.17	0.29	0.10	0.11	0.29	-0.02	7.99e-03	-8.49e-03	-6.17e-04	1.21e-04	-8.23e-03
19	54	19	0.34	0.36	-0.17	0.05	0.14	0.26	8.81e-03	-6.89e-03	2.33e-03	-4.19e-04	7.73e-03
		27	0.22	0.28	-2.11e-03	0.14	0.14	0.14	2.02e-03	-0.01	-9.08e-03	-3.70e-03	-7.97e-03
		28	0.17	0.29	0.21	0.21	0.28	0.02	5.51e-03	-0.01	-5.27e-03	2.20e-04	7.55e-03
		20	0.19	0.30	0.10	0.11	0.29	-0.04	8.10e-03	-8.29e-03	-4.85e-04	2.99e-04	-8.19e-03
19	55	19	0.38	0.39	-0.23	0.04	0.12	0.31	8.35e-03	-7.26e-03	1.90e-03	-8.15e-04	7.68e-03
		27	0.26	0.31	-0.06	0.12	0.12	0.18	1.66e-03	-0.02	-9.51e-03	-4.09e-03	-8.01e-03
		28	0.19	0.31	0.17	0.21	0.27	0.07	5.11e-03	-0.01	-5.47e-03	-1.81e-04	7.48e-03
		20	0.16	0.28	0.11	0.11	0.28	5.47e-03	7.86e-03	-8.66e-03	-6.84e-04	-1.08e-04	-8.25e-03
19	56	19	0.31	0.34	-0.14	0.06	0.14	0.24	9.02e-03	-6.71e-03	2.55e-03	-2.39e-04	7.74e-03
		27	0.19	0.25	0.03	0.14	0.14	0.11	2.21e-03	-0.01	-8.87e-03	-3.50e-03	-7.95e-03
		28	0.17	0.29	0.21	0.21	0.29	-5.66e-03	5.70e-03	-0.01	-5.21e-03	4.25e-04	7.58e-03
		20	0.20	0.32	0.09	0.11	0.30	-0.07	8.20e-03	-8.14e-03	-4.26e-04	4.85e-04	-8.16e-03
19	57	19	0.38	0.39	-0.23	0.04	0.12	0.31	8.35e-03	-7.25e-03	1.90e-03	-8.05e-04	7.68e-03
		27	0.26	0.31	-0.06	0.12	0.12	0.18	1.66e-03	-0.02	-9.51e-03	-4.08e-03	-8.01e-03
		28	0.19	0.31	0.17	0.21	0.27	0.07	5.11e-03	-0.01	-5.47e-03	-1.74e-04	7.48e-03
		20	0.16	0.28	0.11	0.11	0.28	5.47e-03	7.87e-03	-8.65e-03	-6.82e-04	-9.75e-05	-8.25e-03
19	58	19	0.31	0.34	-0.14	0.06	0.14	0.24	9.03e-03	-6.71e-03	2.55e-03	-2.29e-04	7.75e-03
		27	0.19	0.25	0.03	0.14	0.14	0.11	2.22e-03	-0.01	-8.87e-03	-3.49e-03	-7.95e-03
		28	0.17	0.29	0.21	0.21	0.29	-5.66e-03	5.70e-03	-0.01	-5.21e-03	4.32e-04	7.58e-03
		20	0.20	0.32	0.09	0.11	0.30	-0.07	8.20e-03	-8.13e-03	-4.24e-04	4.95e-04	-8.16e-03
19	59	19	0.38	0.39	-0.23	0.04	0.12	0.31	8.35e-03	-7.26e-03	1.90e-03	-8.14e-04	7.68e-03
		27	0.26	0.31	-0.06	0.12	0.12	0.18	1.66e-03	-0.02	-9.51e-03	-4.09e-03	-8.01e-03
		28	0.19	0.31	0.17	0.21	0.27	0.07	5.11e-03	-0.01	-5.47e-03	-1.81e-04	7.48e-03
		20	0.16	0.28	0.11	0.11	0.28	5.47e-03	7.86e-03	-8.65e-03	-6.84e-04	-1.07e-04	-8.25e-03
19	60	19	0.31	0.34	-0.14	0.06	0.14	0.24	9.02e-03	-6.72e-03	2.55e-03	-2.39e-04	7.75e-03
		27	0.19	0.25	0.03	0.14	0.14	0.11	2.21e-03	-0.01	-8.87e-03	-3.50e-03	-7.95e-03
		28	0.17	0.29	0.21	0.21	0.29	-5.66e-03	5.69e-03	-0.01	-5.21e-03	4.25e-04	7.58e-03
		20	0.20	0.32	0.09	0.11	0.30	-0.07	8.20e-03	-8.14e-03	-4.26e-04	4.86e-04	-8.16e-03
19	61	19	0.38	0.39	-0.23	0.04	0.12	0.31	8.35e-03	-7.25e-03	1.90e-03	-8.05e-04	7.68e-03
		27	0.26	0.31	-0.06	0.12	0.12	0.18	1.66e-03	-0.02	-9.51e-03	-4.08e-03	-8.01e-03
		28	0.19	0.31	0.17	0.21	0.27	0.07	5.11e-03	-0.01	-5.47e-03	-1.74e-04	7.48e-03
		20	0.16	0.28	0.11	0.11	0.28	5.47e-03	7.87e-03	-8.65e-03	-6.82e-04	-9.77e-05	-8.25e-03
19	62	19	0.31	0.34	-0.14	0.06	0.14	0.24	9.03e-03	-6.71e-03	2.55e-03	-2.30e-04	7.74e-03
		27	0.19	0.25	0.03	0.14	0.14	0.11	2.22e-03	-0.01	-8.87e-03	-3.49e-03	-7.95e-03
		28	0.17	0.29	0.21	0.21	0.29	-5.66e-03	5.70e-03	-0.01	-5.21e-03	4.32e-04	7.58e-03

		20	0.20	0.32	0.09	0.11	0.30	-0.07	8.21e-03	-8.13e-03	-4.24e-04	4.95e-04	-8.16e-03
19	63	19	0.38	0.38	-0.23	0.03	0.12	0.30	8.30e-03	-7.25e-03	1.86e-03	-8.17e-04	7.66e-03
		27	0.26	0.30	-0.06	0.12	0.12	0.18	1.67e-03	-0.02	-9.55e-03	-4.06e-03	-8.02e-03
		28	0.19	0.31	0.17	0.21	0.27	0.06	5.09e-03	-0.01	-5.56e-03	-1.54e-04	7.47e-03
		20	0.16	0.28	0.10	0.10	0.28	1.94e-03	7.84e-03	-8.73e-03	-7.75e-04	-1.07e-04	-8.28e-03
19	64	19	0.31	0.35	-0.14	0.06	0.15	0.24	9.07e-03	-6.72e-03	2.59e-03	-2.37e-04	7.77e-03
		27	0.20	0.26	0.03	0.14	0.15	0.12	2.20e-03	-0.01	-8.83e-03	-3.52e-03	-7.94e-03
		28	0.17	0.29	0.21	0.21	0.29	-2.13e-03	5.71e-03	-0.01	-5.12e-03	3.98e-04	7.59e-03
		20	0.20	0.32	0.09	0.11	0.30	-0.06	8.22e-03	-8.07e-03	-3.35e-04	4.85e-04	-8.13e-03
19	65	19	0.38	0.38	-0.23	0.03	0.12	0.30	8.30e-03	-7.25e-03	1.86e-03	-8.07e-04	7.66e-03
		27	0.26	0.30	-0.06	0.12	0.12	0.18	1.68e-03	-0.02	-9.55e-03	-4.05e-03	-8.02e-03
		28	0.19	0.31	0.17	0.21	0.27	0.06	5.09e-03	-0.01	-5.56e-03	-1.46e-04	7.47e-03
		20	0.16	0.28	0.10	0.10	0.28	1.94e-03	7.85e-03	-8.72e-03	-7.73e-04	-9.69e-05	-8.28e-03
19	66	19	0.31	0.35	-0.14	0.06	0.15	0.24	9.08e-03	-6.72e-03	2.59e-03	-2.27e-04	7.77e-03
		27	0.20	0.26	0.03	0.14	0.15	0.12	2.20e-03	-0.01	-8.83e-03	-3.52e-03	-7.94e-03
		28	0.17	0.29	0.21	0.21	0.29	-2.13e-03	5.72e-03	-0.01	-5.12e-03	4.05e-04	7.59e-03
		20	0.20	0.32	0.09	0.11	0.30	-0.06	8.22e-03	-8.06e-03	-3.33e-04	4.95e-04	-8.13e-03
19	67	19	0.38	0.38	-0.23	0.03	0.12	0.30	8.30e-03	-7.25e-03	1.86e-03	-8.16e-04	7.66e-03
		27	0.26	0.30	-0.06	0.12	0.12	0.18	1.67e-03	-0.02	-9.55e-03	-4.06e-03	-8.02e-03
		28	0.19	0.31	0.17	0.21	0.27	0.06	5.09e-03	-0.01	-5.56e-03	-1.54e-04	7.47e-03
		20	0.16	0.28	0.10	0.10	0.28	1.94e-03	7.84e-03	-8.72e-03	-7.75e-04	-1.07e-04	-8.28e-03
19	68	19	0.31	0.35	-0.14	0.06	0.15	0.24	9.07e-03	-6.72e-03	2.59e-03	-2.37e-04	7.77e-03
		27	0.20	0.26	0.03	0.14	0.15	0.12	2.20e-03	-0.01	-8.83e-03	-3.52e-03	-7.94e-03
		28	0.17	0.29	0.21	0.21	0.29	-2.13e-03	5.71e-03	-0.01	-5.12e-03	3.98e-04	7.59e-03
		20	0.20	0.32	0.09	0.11	0.30	-0.06	8.22e-03	-8.07e-03	-3.35e-04	4.85e-04	-8.13e-03
19	69	19	0.38	0.38	-0.23	0.03	0.12	0.30	8.30e-03	-7.25e-03	1.86e-03	-8.07e-04	7.66e-03
		27	0.26	0.30	-0.06	0.12	0.12	0.18	1.68e-03	-0.02	-9.55e-03	-4.05e-03	-8.02e-03
		28	0.19	0.31	0.17	0.21	0.27	0.06	5.09e-03	-0.01	-5.56e-03	-1.46e-04	7.47e-03
		20	0.16	0.28	0.10	0.10	0.28	1.94e-03	7.85e-03	-8.72e-03	-7.73e-04	-9.71e-05	-8.28e-03
19	70	19	0.31	0.35	-0.14	0.06	0.15	0.24	9.08e-03	-6.72e-03	2.59e-03	-2.28e-04	7.77e-03
		27	0.20	0.26	0.03	0.14	0.15	0.12	2.20e-03	-0.01	-8.83e-03	-3.52e-03	-7.94e-03
		28	0.17	0.29	0.21	0.21	0.29	-2.13e-03	5.72e-03	-0.01	-5.12e-03	4.05e-04	7.59e-03
		20	0.20	0.32	0.09	0.11	0.30	-0.06	8.22e-03	-8.06e-03	-3.12e-03	4.95e-04	-8.13e-03
19	71	19	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		27	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		28	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		20	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
19	72	19	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		27	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		28	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		20	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
19	73	19	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		27	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		28	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		20	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
19	74	19	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		27	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		28	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		20	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
19	75	19	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		27	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		28	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		20	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
19	76	19	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		27	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		28	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		20	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
20	1	20	0.23	0.38	0.13	0.14	0.38	0.04	0.01	-0.01	-7.20e-04	2.52e-04	0.01
		28	0.22	0.38	0.26	0.27	0.36	-0.04	7.03e-03	-0.01	-6.94e-03	1.63e-04	-9.79e-03
		29	0.29	0.37	-0.02	0.17	0.17	-0.19	2.52e-03	-0.02	-0.01	-4.93e-03	0.01
		21	0.45	0.47	-0.24	0.06	0.17	-0.35	0.01	-9.08e-03	2.89e-03	-6.79e-04	-0.01
20	2	20	0.23	0.38	0.13	0.14	0.38	0.04	0.01	-0.01	-7.20e-04	2.52e-04	0.01
		28	0.22	0.38	0.26	0.27	0.36	-0.04	7.03e-03	-0.01	-6.94e-03	1.63e-04	-9.79e-03
		29	0.29	0.37	-0.02	0.17	0.17	-0.19	2.52e-03	-0.02	-0.01	-4.93e-03	0.01
		21	0.45	0.47	-0.24	0.06	0.17	-0.35	0.01	-9.08e-03	2.89e-03	-6.79e-04	-0.01
20	3	20	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		28	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		29	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		21	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
20	4	20	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		28	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		29	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		21	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
20	5	20	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		28	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		29	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		21	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03

20	6	20	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		28	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		29	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		21	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
20	7	20	21.49	33.14	0.34	4.99	28.49	11.44	0.18	-0.02	0.12	0.03	0.09
		28	20.88	32.34	0.76	5.03	28.07	-10.80	0.05	-0.13	-0.07	-4.69e-03	-0.08
		29	20.78	32.24	0.84	5.10	27.99	10.75	0.04	-0.14	-0.08	-0.02	0.09
		21	21.46	33.12	0.31	5.01	28.42	-11.50	0.18	-0.03	0.12	0.02	-0.09
20	8	20	3.31	0.11	-5.04	-0.67	-4.26	-1.84	-2.82e-03	-0.02	-0.02	-6.43e-03	7.74e-03
		28	3.17	0.12	-4.84	-0.51	-4.22	1.64	5.67e-03	-1.72e-03	3.48e-03	4.57e-04	-3.37e-03
		29	3.43	0.03	-5.20	-0.79	-4.38	-1.90	-8.00e-03	-0.04	-8.03e-03	-0.04	-9.57e-04
		21	3.15	-0.23	-4.99	-0.78	-4.44	1.52	9.04e-04	-0.03	-0.01	-0.02	-0.02
20	9	20	23.45	36.17	0.37	5.44	31.09	12.49	0.19	-0.03	0.13	0.03	0.10
		28	22.79	35.29	0.81	5.48	30.63	-11.79	0.06	-0.14	-0.08	-5.09e-03	-0.09
		29	22.70	35.21	0.90	5.55	30.55	11.75	0.05	-0.16	-0.09	-0.02	0.09
		21	23.42	36.15	0.35	5.47	31.02	-12.54	0.19	-0.03	0.14	0.03	-0.10
20	10	20	1.39	0.13	-2.02	-0.22	-1.67	-0.79	9.64e-03	-0.02	-8.38e-03	-3.43e-03	0.02
		28	1.31	0.17	-1.89	-0.06	-1.66	0.65	9.18e-03	-0.01	-2.78e-03	6.08e-05	-0.01
		29	1.51	0.09	-2.24	-0.34	-1.81	-0.90	-0.01	-0.04	-0.01	-0.04	6.30e-03
		21	1.23	-0.19	-1.98	-0.33	-1.84	0.48	0.02	-0.03	9.27e-04	-0.02	-0.02
20	11	20	21.49	33.14	0.35	4.99	28.49	11.44	0.18	-0.02	0.12	0.03	0.09
		28	20.88	32.34	0.76	5.03	28.07	-10.80	0.05	-0.13	-0.07	-4.71e-03	-0.08
		29	20.78	32.24	0.84	5.10	27.99	10.75	0.04	-0.14	-0.08	-0.02	0.09
		21	21.47	33.13	0.31	5.02	28.42	-11.50	0.18	-0.03	0.12	0.02	-0.09
20	12	20	3.31	0.10	-5.04	-0.67	-4.27	-1.84	-2.82e-03	-0.02	-0.02	-6.43e-03	7.75e-03
		28	3.17	0.12	-4.85	-0.51	-4.22	1.65	5.61e-03	-1.72e-03	3.41e-03	4.80e-04	-3.36e-03
		29	3.43	0.03	-5.20	-0.79	-4.38	-1.90	-8.03e-03	-0.04	-8.06e-03	-0.04	-9.49e-04
		21	3.15	-0.23	-5.00	-0.79	-4.45	1.53	8.65e-04	-0.03	-0.01	-0.02	-0.02
20	13	20	23.45	36.17	0.37	5.44	31.09	12.49	0.19	-0.03	0.13	0.03	0.10
		28	22.79	35.30	0.81	5.48	30.63	-11.80	0.06	-0.14	-0.08	-5.11e-03	-0.09
		29	22.70	35.21	0.90	5.55	30.56	11.75	0.05	-0.16	-0.09	-0.02	0.09
		21	23.42	36.15	0.35	5.47	31.03	-12.54	0.19	-0.03	0.14	0.03	-0.10
20	14	20	1.39	0.13	-2.02	-0.22	-1.67	-0.79	9.62e-03	-0.02	-8.46e-03	-3.43e-03	0.02
		28	1.31	0.17	-1.89	-0.06	-1.66	0.65	9.15e-03	-0.01	-2.86e-03	8.34e-05	-0.01
		29	1.51	0.09	-2.24	-0.34	-1.81	-0.90	-0.01	-0.04	-0.01	-0.04	6.30e-03
		21	1.23	-0.19	-1.98	-0.33	-1.84	0.49	0.02	-0.03	8.95e-04	-0.02	-0.02
20	15	20	21.49	33.14	0.34	4.99	28.49	11.44	0.18	-0.02	0.12	0.03	0.09
		28	20.88	32.34	0.76	5.03	28.07	-10.80	0.05	-0.13	-0.07	-4.69e-03	-0.08
		29	20.78	32.24	0.84	5.10	27.99	10.75	0.04	-0.14	-0.08	-0.02	0.09
		21	21.46	33.12	0.31	5.01	28.42	-11.50	0.18	-0.03	0.12	0.02	-0.09
20	16	20	3.31	0.11	-5.04	-0.67	-4.26	-1.84	-2.81e-03	-0.02	-0.02	-6.42e-03	7.75e-03
		28	3.17	0.12	-4.84	-0.51	-4.22	1.64	5.68e-03	-1.73e-03	3.48e-03	4.60e-04	-3.38e-03
		29	3.43	0.03	-5.20	-0.79	-4.38	-1.90	-7.99e-03	-0.04	-8.03e-03	-0.04	-9.65e-04
		21	3.15	-0.23	-4.99	-0.78	-4.44	1.52	9.01e-04	-0.03	-0.01	-0.02	-0.02
20	17	20	23.45	36.17	0.37	5.44	31.09	12.49	0.19	-0.03	0.13	0.03	0.10
		28	22.79	35.29	0.81	5.48	30.63	-11.79	0.06	-0.14	-0.08	-5.09e-03	-0.09
		29	22.70	35.21	0.90	5.55	30.55	11.75	0.05	-0.16	-0.09	-0.02	0.09
		21	23.42	36.15	0.35	5.47	31.02	-12.54	0.19	-0.03	0.14	0.03	-0.10
20	18	20	1.39	0.13	-2.02	-0.22	-1.67	-0.79	9.62e-03	-0.02	-8.38e-03	-3.43e-03	0.02
		28	1.31	0.17	-1.89	-0.06	-1.66	0.65	9.16e-03	-0.01	-2.78e-03	5.76e-05	-0.01
		29	1.51	0.09	-2.24	-0.34	-1.81	-0.90	-0.01	-0.04	-0.01	-0.04	6.30e-03
		21	1.23	-0.19	-1.98	-0.33	-1.84	0.48	0.02	-0.03	9.27e-04	-0.02	-0.02
20	19	20	21.49	33.14	0.35	4.99	28.49	11.44	0.18	-0.02	0.12	0.03	0.09
		28	20.88	32.34	0.76	5.03	28.07	-10.80	0.05	-0.13	-0.07	-4.71e-03	-0.08
		29	20.78	32.24	0.84	5.10	27.99	10.75	0.04	-0.14	-0.08	-0.02	0.09
		21	21.47	33.13	0.31	5.02	28.42	-11.50	0.18	-0.03	0.12	0.02	-0.09
20	20	20	3.31	0.10	-5.04	-0.67	-4.27	-1.84	-2.81e-03	-0.02	-0.02	-6.42e-03	7.77e-03
		28	3.17	0.12	-4.85	-0.51	-4.22	1.65	5.62e-03	-1.73e-03	3.41e-03	4.83e-04	-3.38e-03
		29	3.43	0.03	-5.20	-0.79	-4.38	-1.90	-8.03e-03	-0.04	-8.06e-03	-0.04	-9.56e-04
		21	3.15	-0.23	-5.00	-0.79	-4.45	1.53	8.61e-04	-0.03	-0.01	-0.02	-0.02
20	21	20	23.45	36.17	0.37	5.44	31.09	12.49	0.19	-0.03	0.13	0.03	0.10
		28	22.79	35.30	0.81	5.48	30.63	-11.80	0.06	-0.14	-0.08	-5.11e-03	-0.09
		29	22.70	35.21	0.90	5.55	30.56	11.75	0.05	-0.16	-0.09	-0.02	0.09
		21	23.42	36.15	0.35	5.47	31.03	-12.54	0.19	-0.03	0.14	0.03	-0.10
20	22	20	1.39	0.13	-2.02	-0.22	-1.67	-0.79	9.61e-03	-0.02	-8.46e-03	-3.43e-03	0.02
		28	1.31	0.17	-1.89	-0.06	-1.66	0.65	9.13e-03	-0.01	-2.86e-03	8.02e-05	-0.01
		29	1.51	0.09	-2.24	-0.34	-1.81	-0.90	-0.01	-0.04	-0.01	-0.04	6.31e-03
		21	1.23	-0.19	-1.98	-0.33	-1.84	0.49	0.02	-0.03	8.94e-04	-0.02	-0.02
20	23	20	81.66	125.87	1.00	18.79	108.09	43.63	0.65	-0.07	0.46	0.12	0.32
		28	79.40	122.80	2.34	18.64	106.50	-41.20	0.18	-0.47	-0.27	-0.02	-0.30
		29	79.53	123.15	2.55	19.10	106.60	41.50	0.16	-0.51	-0.30	-0.06	0.31
		21	81.32	125.75	1.54	19.03	108.25	-43.21	0.65	-0.09	0.47	0.09	-0.31
20	24	20	1.14	0.22	-1.42	-0.09	-1.10	-0.65	0.04	-0.05	-4.88e-03	-6.31e-03	0.05
		28	0.91	0.24	-1.18	0.18	-1.12	0.27	0.03	-0.04	-9.22e-03	-1.13e-03	-0.03
		29	1.19	-0.12	-1.67	-0.52	-1.27	-0.68	-0.04	-0.12	-0.04	-0.12	0.02
		21	0.92	-0.26	-1.32	-0.30	-1.28	0.20	0.06	-0.10	0.02	-0.06	-0.07
20	25	20	82.25	126.78	1.01	18.92	108.87	43.95	0.66	-0.08	0.46	0.12	0.33

		28	79.98	123.69	2.35	18.77	107.27	-41.50	0.18	-0.47	-0.27	-0.02	-0.30
		29	80.11	124.04	2.57	19.24	107.37	41.80	0.16	-0.51	-0.30	-0.06	0.31
		21	81.90	126.65	1.55	19.17	109.03	-43.52	0.65	-0.09	0.47	0.09	-0.32
20	26	20	0.62	0.24	-0.52	0.04	-0.32	-0.33	0.05	-0.05	-1.57e-03	-5.41e-03	0.05
		28	0.41	0.32	-0.35	0.31	-0.35	-0.03	0.03	-0.04	-0.01	-1.25e-03	-0.03
		29	0.64	-0.06	-0.83	-0.39	-0.50	-0.38	-0.04	-0.12	-0.04	-0.12	0.02
		21	0.64	-0.13	-0.53	-0.16	-0.50	-0.11	0.07	-0.10	0.02	-0.06	-0.08
20	27	20	81.66	125.87	1.00	18.79	108.09	43.63	0.65	-0.07	0.46	0.12	0.32
		28	79.40	122.80	2.34	18.64	106.50	-41.20	0.18	-0.47	-0.27	-0.02	-0.30
		29	79.53	123.15	2.55	19.10	106.60	41.50	0.16	-0.51	-0.30	-0.06	0.31
		21	81.32	125.75	1.54	19.03	108.25	-43.21	0.65	-0.09	0.47	0.09	-0.31
20	28	20	1.14	0.22	-1.42	-0.09	-1.10	-0.65	0.04	-0.05	-4.88e-03	-6.30e-03	0.05
		28	0.91	0.24	-1.18	0.18	-1.12	0.27	0.03	-0.04	-9.22e-03	-1.13e-03	-0.03
		29	1.19	-0.12	-1.67	-0.52	-1.27	-0.68	-0.04	-0.12	-0.04	-0.12	0.02
		21	0.92	-0.26	-1.32	-0.30	-1.28	0.20	0.06	-0.10	0.02	-0.06	-0.07
20	29	20	82.25	126.78	1.01	18.92	108.87	43.95	0.66	-0.08	0.46	0.12	0.33
		28	79.98	123.69	2.35	18.77	107.27	-41.50	0.18	-0.47	-0.27	-0.02	-0.30
		29	80.11	124.04	2.57	19.24	107.37	41.80	0.16	-0.51	-0.30	-0.06	0.31
		21	81.90	126.65	1.55	19.17	109.03	-43.52	0.65	-0.09	0.47	0.09	-0.32
20	30	20	0.62	0.24	-0.52	0.04	-0.32	-0.33	0.05	-0.05	-1.57e-03	-5.41e-03	0.05
		28	0.41	0.32	-0.35	0.31	-0.35	-0.03	0.03	-0.04	-0.01	-1.25e-03	-0.03
		29	0.64	-0.06	-0.83	-0.39	-0.50	-0.38	-0.04	-0.12	-0.04	-0.12	0.02
		21	0.64	-0.13	-0.53	-0.16	-0.50	-0.11	0.07	-0.10	0.02	-0.06	-0.08
20	31	20	81.66	125.87	1.02	18.79	108.10	43.63	0.65	-0.07	0.46	0.12	0.32
		28	79.41	122.81	2.33	18.64	106.51	-41.21	0.18	-0.47	-0.27	-0.02	-0.30
		29	79.53	123.15	2.57	19.11	106.61	41.49	0.16	-0.51	-0.30	-0.06	0.31
		21	81.33	125.76	1.54	19.04	108.26	-43.22	0.65	-0.09	0.47	0.09	-0.31
20	32	20	1.14	0.21	-1.42	-0.10	-1.11	-0.64	0.04	-0.05	-5.15e-03	-6.30e-03	0.05
		28	0.92	0.24	-1.19	0.18	-1.13	0.28	0.03	-0.04	-9.48e-03	-1.05e-03	-0.03
		29	1.19	-0.14	-1.67	-0.53	-1.28	-0.67	-0.04	-0.12	-0.04	-0.12	0.02
		21	0.92	-0.26	-1.34	-0.30	-1.30	0.21	0.06	-0.10	0.02	-0.06	-0.07
20	33	20	82.24	126.78	1.02	18.92	108.88	43.94	0.66	-0.07	0.46	0.12	0.33
		28	79.99	123.70	2.35	18.77	107.28	-41.51	0.18	-0.47	-0.27	-0.02	-0.30
		29	80.11	124.04	2.58	19.24	107.38	41.79	0.16	-0.51	-0.30	-0.06	0.31
		21	81.91	126.67	1.55	19.18	109.04	-43.53	0.65	-0.09	0.47	0.09	-0.32
20	34	20	0.61	0.23	-0.52	0.04	-0.33	-0.32	0.05	-0.05	-1.83e-03	-5.40e-03	0.05
		28	0.42	0.31	-0.36	0.31	-0.36	-0.02	0.03	-0.04	-0.01	-1.17e-03	-0.03
		29	0.64	-0.08	-0.82	-0.39	-0.51	-0.37	-0.04	-0.12	-0.04	-0.12	0.02
		21	0.64	-0.14	-0.54	-0.17	-0.51	-0.10	0.07	-0.10	0.02	-0.06	-0.08
20	35	20	81.66	125.87	1.02	18.79	108.10	43.63	0.65	-0.07	0.46	0.12	0.32
		28	79.41	122.81	2.33	18.64	106.51	-41.21	0.18	-0.47	-0.27	-0.02	-0.30
		29	79.53	123.15	2.57	19.11	106.61	41.49	0.16	-0.51	-0.30	-0.06	0.31
		21	81.33	125.76	1.54	19.04	108.26	-43.22	0.65	-0.09	0.47	0.09	-0.31
20	36	20	1.14	0.21	-1.42	-0.10	-1.11	-0.64	0.04	-0.05	-5.15e-03	-6.30e-03	0.05
		28	0.92	0.24	-1.19	0.18	-1.13	0.28	0.03	-0.04	-9.48e-03	-1.05e-03	-0.03
		29	1.19	-0.14	-1.67	-0.53	-1.28	-0.67	-0.04	-0.12	-0.04	-0.12	0.02
		21	0.92	-0.26	-1.34	-0.30	-1.30	0.21	0.06	-0.10	0.02	-0.06	-0.07
20	37	20	82.24	126.78	1.02	18.92	108.88	43.94	0.66	-0.07	0.46	0.12	0.33
		28	79.99	123.70	2.35	18.77	107.28	-41.51	0.18	-0.47	-0.27	-0.02	-0.30
		29	80.11	124.04	2.58	19.24	107.38	41.79	0.16	-0.51	-0.30	-0.06	0.31
		21	81.91	126.67	1.55	19.18	109.04	-43.53	0.65	-0.09	0.47	0.09	-0.32
20	38	20	0.61	0.23	-0.52	0.04	-0.33	-0.32	0.05	-0.05	-1.83e-03	-5.41e-03	0.05
		28	0.42	0.31	-0.36	0.31	-0.36	-0.02	0.03	-0.04	-0.01	-1.17e-03	-0.03
		29	0.64	-0.08	-0.82	-0.39	-0.51	-0.37	-0.04	-0.12	-0.04	-0.12	0.02
		21	0.64	-0.14	-0.54	-0.17	-0.51	-0.10	0.07	-0.10	0.02	-0.06	-0.08
20	39	20	0.19	0.30	0.10	0.11	0.29	0.04	8.07e-03	-8.32e-03	-5.23e-04	2.66e-04	8.19e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	5.48e-03	-0.01	-5.31e-03	2.04e-04	-7.54e-03
		29	0.22	0.27	-1.71e-03	0.14	0.14	-0.14	2.01e-03	-0.01	-9.09e-03	-3.71e-03	7.98e-03
		21	0.33	0.36	-0.17	0.05	0.14	-0.26	8.78e-03	-6.92e-03	2.32e-03	-4.52e-04	-7.73e-03
20	40	20	0.17	0.29	0.10	0.11	0.29	0.02	7.97e-03	-8.48e-03	-5.92e-04	8.78e-05	8.22e-03
		28	0.18	0.30	0.19	0.21	0.28	-0.04	5.31e-03	-0.01	-5.38e-03	2.20e-05	-7.51e-03
		29	0.24	0.29	-0.03	0.13	0.13	-0.16	1.85e-03	-0.02	-9.29e-03	-3.89e-03	7.99e-03
		21	0.36	0.37	-0.20	0.04	0.13	-0.28	8.58e-03	-7.08e-03	2.13e-03	-6.25e-04	-7.71e-03
20	41	20	0.19	0.30	0.10	0.11	0.29	0.04	8.09e-03	-8.31e-03	-5.16e-04	3.00e-04	8.19e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	5.50e-03	-0.01	-5.30e-03	2.29e-04	-7.55e-03
		29	0.22	0.27	-1.86e-03	0.14	0.14	-0.14	2.03e-03	-0.01	-9.09e-03	-3.69e-03	7.97e-03
		21	0.33	0.36	-0.17	0.05	0.14	-0.26	8.80e-03	-6.89e-03	2.32e-03	-4.19e-04	-7.72e-03
20	42	20	0.17	0.29	0.10	0.11	0.29	0.02	8.00e-03	-8.46e-03	-5.85e-04	1.22e-04	8.22e-03
		28	0.18	0.30	0.19	0.21	0.28	-0.04	5.33e-03	-0.01	-5.37e-03	4.71e-05	-7.52e-03
		29	0.24	0.29	-0.03	0.13	0.13	-0.16	1.86e-03	-0.02	-9.28e-03	-3.87e-03	7.99e-03
		21	0.36	0.37	-0.20	0.04	0.13	-0.28	8.59e-03	-7.05e-03	2.13e-03	-4.52e-04	-7.72e-03
20	43	20	0.19	0.30	0.10	0.11	0.29	0.04	8.08e-03	-8.30e-03	-4.93e-04	2.66e-04	8.18e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	5.49e-03	-0.01	-5.28e-03	1.96e-04	-7.55e-03
		29	0.22	0.28	-1.95e-03	0.14	0.14	-0.14	2.01e-03	-0.01	-9.08e-03	-3.72e-03	7.97e-03
		21	0.34	0.36	-0.17	0.05	0.14	-0.26	8.80e-03	-6.92e-03	2.33e-03	-4.52e-04	-7.73e-03
20	44	20	0.17	0.29	0.10	0.11	0.29	0.02	7.96e-03	-8.50e-03	-6.21e-04	8.80e-05	8.22e-03
		28	0.18	0.30	0.19	0.21	0.28	-0.04	5.30e-03	-0.01	-5.40e-03	3.04e-05	-7.51e-03

		29	0.23	0.29	-0.03	0.13	0.13	-0.16	1.85e-03	-0.02	-9.30e-03	-3.88e-03	8.00e-03
		21	0.36	0.37	-0.20	0.04	0.13	-0.28	8.56e-03	-7.07e-03	2.12e-03	-6.26e-04	-7.70e-03
20	45	20	0.19	0.30	0.10	0.11	0.29	0.04	8.10e-03	-8.29e-03	-4.87e-04	3.00e-04	8.19e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	5.51e-03	-0.01	-5.28e-03	2.21e-04	-7.55e-03
		29	0.22	0.28	-2.11e-03	0.14	0.14	-0.14	2.02e-03	-0.01	-9.08e-03	-3.70e-03	7.97e-03
		21	0.34	0.36	-0.17	0.05	0.14	-0.26	8.81e-03	-6.89e-03	2.33e-03	-4.18e-04	-7.73e-03
20	46	20	0.17	0.29	0.10	0.11	0.29	0.02	7.99e-03	-8.48e-03	-6.15e-04	1.22e-04	8.23e-03
		28	0.18	0.30	0.19	0.21	0.28	-0.04	5.32e-03	-0.01	-5.40e-03	5.54e-05	-7.51e-03
		29	0.23	0.29	-0.03	0.13	0.13	-0.16	1.87e-03	-0.02	-9.30e-03	-3.86e-03	7.99e-03
		21	0.36	0.37	-0.20	0.04	0.13	-0.28	8.58e-03	-7.05e-03	2.12e-03	-5.92e-04	-7.70e-03
20	47	20	0.19	0.30	0.10	0.11	0.29	0.04	8.07e-03	-8.33e-03	-5.22e-04	2.68e-04	8.19e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	5.48e-03	-0.01	-5.31e-03	2.06e-04	-7.55e-03
		29	0.22	0.27	-1.71e-03	0.14	0.14	-0.14	2.01e-03	-0.01	-9.09e-03	-3.71e-03	7.97e-03
		21	0.33	0.36	-0.17	0.05	0.14	-0.26	8.78e-03	-6.91e-03	2.32e-03	-4.51e-04	-7.72e-03
20	48	20	0.17	0.29	0.10	0.11	0.29	0.02	7.98e-03	-8.48e-03	-5.92e-04	8.94e-05	8.22e-03
		28	0.18	0.30	0.19	0.21	0.28	-0.04	5.31e-03	-0.01	-5.38e-03	2.32e-05	-7.52e-03
		29	0.24	0.29	-0.03	0.13	0.13	-0.16	1.85e-03	-0.02	-9.29e-03	-3.89e-03	7.99e-03
		21	0.36	0.37	-0.20	0.04	0.13	-0.28	8.58e-03	-7.07e-03	2.13e-03	-6.23e-04	-7.70e-03
20	49	20	0.19	0.30	0.10	0.11	0.29	0.04	8.09e-03	-8.31e-03	-5.16e-04	2.98e-04	8.19e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	5.50e-03	-0.01	-5.30e-03	2.28e-04	-7.54e-03
		29	0.22	0.27	-1.86e-03	0.14	0.14	-0.14	2.03e-03	-0.01	-9.09e-03	-3.69e-03	7.98e-03
		21	0.33	0.36	-0.17	0.05	0.14	-0.26	8.80e-03	-6.90e-03	2.32e-03	-4.21e-04	-7.73e-03
20	50	20	0.17	0.29	0.10	0.11	0.29	0.02	7.99e-03	-8.46e-03	-5.86e-04	1.20e-04	8.22e-03
		28	0.18	0.30	0.19	0.21	0.28	-0.04	5.32e-03	-0.01	-5.37e-03	4.59e-05	-7.51e-03
		29	0.24	0.29	-0.03	0.13	0.13	-0.16	1.86e-03	-0.02	-9.28e-03	-3.87e-03	7.99e-03
		21	0.36	0.37	-0.20	0.04	0.13	-0.28	8.59e-03	-7.06e-03	2.13e-03	-5.93e-04	-7.71e-03
20	51	20	0.19	0.30	0.10	0.11	0.29	0.04	8.08e-03	-8.31e-03	-4.93e-04	2.67e-04	8.19e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	5.49e-03	-0.01	-5.28e-03	1.97e-04	-7.55e-03
		29	0.22	0.28	-1.96e-03	0.14	0.14	-0.14	2.01e-03	-0.01	-9.08e-03	-3.72e-03	7.97e-03
		21	0.34	0.36	-0.17	0.05	0.14	-0.26	8.80e-03	-6.91e-03	2.33e-03	-4.50e-04	-7.73e-03
20	52	20	0.17	0.29	0.10	0.11	0.29	0.02	7.97e-03	-8.50e-03	-6.21e-04	8.97e-05	8.23e-03
		28	0.18	0.30	0.19	0.21	0.28	-0.04	5.30e-03	-0.01	-5.40e-03	3.16e-05	-7.51e-03
		29	0.23	0.29	-0.03	0.13	0.13	-0.16	1.85e-03	-0.02	-9.30e-03	-3.88e-03	7.99e-03
		21	0.36	0.37	-0.20	0.04	0.13	-0.28	8.56e-03	-7.07e-03	2.12e-03	-6.24e-04	-7.70e-03
20	53	20	0.19	0.30	0.10	0.11	0.29	0.04	8.10e-03	-8.28e-03	-4.87e-04	2.98e-04	8.18e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	5.50e-03	-0.01	-5.28e-03	2.20e-04	-7.55e-03
		29	0.22	0.28	-2.11e-03	0.14	0.14	-0.14	2.02e-03	-0.01	-9.08e-03	-3.70e-03	7.97e-03
		21	0.34	0.36	-0.17	0.05	0.14	-0.26	8.81e-03	-6.90e-03	2.33e-03	-4.20e-04	-7.73e-03
20	54	20	0.17	0.29	0.10	0.11	0.29	0.02	7.98e-03	-8.48e-03	-6.15e-04	1.21e-04	8.22e-03
		28	0.18	0.30	0.19	0.21	0.28	-0.04	5.32e-03	-0.01	-5.40e-03	5.43e-05	-7.51e-03
		29	0.23	0.29	-0.03	0.13	0.13	-0.16	1.87e-03	-0.02	-9.30e-03	-3.86e-03	8.00e-03
		21	0.36	0.37	-0.20	0.04	0.13	-0.28	8.58e-03	-7.05e-03	2.12e-03	-5.94e-04	-7.70e-03
20	55	20	0.20	0.32	0.09	0.11	0.30	0.07	8.19e-03	-8.14e-03	-4.40e-04	4.86e-04	8.15e-03
		28	0.17	0.29	0.21	0.21	0.29	5.63e-03	5.69e-03	-0.01	-5.23e-03	4.26e-04	-7.58e-03
		29	0.19	0.25	0.03	0.14	0.14	-0.11	2.21e-03	-0.01	-8.87e-03	-3.50e-03	7.96e-03
		21	0.31	0.34	-0.14	0.06	0.14	-0.24	9.02e-03	-6.72e-03	2.54e-03	-2.39e-04	-7.75e-03
20	56	20	0.16	0.28	0.11	0.11	0.28	-5.44e-03	7.87e-03	-8.65e-03	-6.70e-04	-1.08e-04	8.25e-03
		28	0.19	0.31	0.17	0.21	0.27	-0.07	5.11e-03	-0.01	-5.45e-03	-1.82e-04	-7.48e-03
		29	0.26	0.31	-0.06	0.12	0.12	-0.18	1.66e-03	-0.02	-9.51e-03	-4.09e-03	8.01e-03
		21	0.38	0.39	-0.23	0.04	0.12	-0.31	8.35e-03	-7.25e-03	1.91e-03	-8.15e-04	-7.68e-03
20	57	20	0.20	0.32	0.09	0.11	0.30	0.07	8.20e-03	-8.14e-03	-4.38e-04	4.96e-04	8.16e-03
		28	0.17	0.29	0.21	0.21	0.29	5.63e-03	5.70e-03	-0.01	-5.23e-03	4.33e-04	-7.58e-03
		29	0.19	0.25	0.03	0.14	0.14	-0.11	2.22e-03	-0.01	-8.87e-03	-3.49e-03	7.95e-03
		21	0.31	0.34	-0.14	0.06	0.14	-0.24	9.03e-03	-6.71e-03	2.55e-03	-2.29e-04	-7.75e-03
20	58	20	0.16	0.28	0.11	0.11	0.28	-5.44e-03	7.88e-03	-8.64e-03	-6.68e-04	-9.78e-05	8.25e-03
		28	0.19	0.31	0.17	0.21	0.27	-0.07	5.12e-03	-0.01	-5.45e-03	-1.74e-04	-7.48e-03
		29	0.26	0.31	-0.06	0.12	0.12	-0.18	1.66e-03	-0.02	-9.51e-03	-4.08e-03	8.01e-03
		21	0.38	0.39	-0.23	0.04	0.12	-0.31	8.35e-03	-7.25e-03	1.91e-03	-8.05e-04	-7.68e-03
20	59	20	0.20	0.32	0.09	0.11	0.30	0.07	8.19e-03	-8.15e-03	-4.40e-04	4.86e-04	8.16e-03
		28	0.17	0.29	0.21	0.21	0.29	5.63e-03	5.69e-03	-0.01	-5.23e-03	4.26e-04	-7.58e-03
		29	0.19	0.25	0.03	0.14	0.14	-0.11	2.21e-03	-0.01	-8.87e-03	-3.50e-03	7.95e-03
		21	0.31	0.34	-0.14	0.06	0.14	-0.24	9.02e-03	-6.72e-03	2.54e-03	-2.39e-04	-7.75e-03
20	60	20	0.16	0.28	0.11	0.11	0.28	-5.44e-03	7.87e-03	-8.65e-03	-6.70e-04	-1.08e-04	8.25e-03
		28	0.19	0.31	0.17	0.21	0.27	-0.07	5.11e-03	-0.01	-5.45e-03	-1.82e-04	-7.48e-03
		29	0.26	0.31	-0.06	0.12	0.12	-0.18	1.66e-03	-0.02	-9.51e-03	-4.09e-03	8.01e-03
		21	0.38	0.39	-0.23	0.04	0.12	-0.31	8.35e-03	-7.25e-03	1.91e-03	-8.14e-04	-7.68e-03
20	61	20	0.20	0.32	0.09	0.11	0.30	0.07	8.20e-03	-8.14e-03	-4.38e-04	4.95e-04	8.15e-03
		28	0.17	0.29	0.21	0.21	0.29	5.63e-03	5.70e-03	-0.01	-5.23e-03	4.33e-04	-7.58e-03
		29	0.19	0.25	0.03	0.14	0.14	-0.11	2.22e-03	-0.01	-8.87e-03	-3.49e-03	7.96e-03
		21	0.31	0.34	-0.14	0.06	0.14	-0.24	9.03e-03	-6.71e-03	2.54e-03	-2.30e-04	-7.75e-03
20	62	20	0.16	0.28	0.11	0.11	0.28	-5.44e-03	7.87e-03	-8.64e-03	-6.68e-04	-9.83e-05	8.25e-03
		28	0.19	0.31	0.17	0.21	0.27	-0.07	5.12e-03	-0.01	-5.45e-03	-1.75e-04	-7.48e-03
		29	0.26	0.31	-0.06	0.12	0.12	-0.18	1.66e-03	-0.02	-9.51e-03	-4.08e-03	8.01e-03
		21	0.38	0.39	-0.23	0.04	0.12	-0.31	8.35e-03	-7.25e-03	1.91e-03	-8.05e-04	-7.68e-03
20	63	20	0.20	0.32	0.09	0.11	0.30	0.06	8.21e-03	-8.07e-03	-3.42e-04	4.85e-04	8.13e-03
		28	0.17	0.29	0.21	0.21	0.29	2.15e-03	5.71e-03	-0.01	-5.13e-03	3.98e-04	-7.59e-03
		29	0.20	0.26	0.03	0.14	0.15	-0.12	2.20e-03	-0.01	-8.83e-03	-3.52e-03	7.94e-03

		21	0.31	0.35	-0.14	0.06	0.15	-0.24	9.07e-03	-6.72e-03	2.58e-03	-2.37e-04	-7.77e-03
20	64	20	0.16	0.28	0.10	0.10	0.28	-1.96e-03	7.84e-03	-8.72e-03	-7.68e-04	-1.07e-04	8.28e-03
		28	0.19	0.31	0.17	0.21	0.27	-0.06	5.09e-03	-0.01	-5.55e-03	-1.54e-04	-7.47e-03
		29	0.26	0.30	-0.06	0.12	0.12	-0.18	1.67e-03	-0.02	-9.55e-03	-4.06e-03	8.02e-03
		21	0.38	0.38	-0.23	0.03	0.12	-0.30	8.30e-03	-7.25e-03	1.86e-03	-8.17e-04	-7.66e-03
20	65	20	0.20	0.32	0.09	0.11	0.30	0.06	8.22e-03	-8.07e-03	-3.40e-04	4.95e-04	8.13e-03
		28	0.17	0.29	0.21	0.21	0.29	2.15e-03	5.72e-03	-0.01	-5.13e-03	4.05e-04	-7.59e-03
		29	0.20	0.26	0.03	0.14	0.15	-0.12	2.20e-03	-0.01	-8.83e-03	-3.52e-03	7.94e-03
		21	0.31	0.35	-0.14	0.06	0.15	-0.24	9.07e-03	-6.72e-03	2.59e-03	-2.27e-04	-7.77e-03
20	66	20	0.16	0.28	0.10	0.10	0.28	-1.96e-03	7.85e-03	-8.72e-03	-7.66e-04	-9.70e-05	8.28e-03
		28	0.19	0.31	0.17	0.21	0.27	-0.06	5.10e-03	-0.01	-5.55e-03	-1.46e-04	-7.47e-03
		29	0.26	0.30	-0.06	0.12	0.12	-0.18	1.68e-03	-0.02	-9.55e-03	-4.05e-03	8.02e-03
		21	0.38	0.38	-0.23	0.03	0.12	-0.30	8.30e-03	-7.24e-03	1.87e-03	-8.07e-04	-7.66e-03
20	67	20	0.20	0.32	0.09	0.11	0.30	0.06	8.22e-03	-8.07e-03	-3.42e-04	4.85e-04	8.13e-03
		28	0.17	0.29	0.21	0.21	0.29	2.15e-03	5.71e-03	-0.01	-5.13e-03	3.98e-04	-7.59e-03
		29	0.20	0.26	0.03	0.14	0.15	-0.12	2.20e-03	-0.01	-8.83e-03	-3.52e-03	7.94e-03
		21	0.31	0.35	-0.14	0.06	0.15	-0.24	9.07e-03	-6.72e-03	2.58e-03	-2.37e-04	-7.77e-03
20	68	20	0.16	0.28	0.10	0.10	0.28	-1.96e-03	7.85e-03	-8.72e-03	-7.68e-04	-1.07e-04	8.28e-03
		28	0.19	0.31	0.17	0.21	0.27	-0.06	5.09e-03	-0.01	-5.55e-03	-1.54e-04	-7.47e-03
		29	0.26	0.30	-0.06	0.12	0.12	-0.18	1.67e-03	-0.02	-9.55e-03	-4.06e-03	8.02e-03
		21	0.38	0.38	-0.23	0.03	0.12	-0.30	8.30e-03	-7.25e-03	1.86e-03	-8.16e-04	-7.66e-03
20	69	20	0.20	0.32	0.09	0.11	0.30	0.06	8.22e-03	-8.07e-03	-3.40e-04	4.95e-04	8.13e-03
		28	0.17	0.29	0.21	0.21	0.29	2.15e-03	5.72e-03	-0.01	-5.13e-03	4.05e-04	-7.59e-03
		29	0.20	0.26	0.03	0.14	0.15	-0.12	2.20e-03	-0.01	-8.83e-03	-3.52e-03	7.94e-03
		21	0.31	0.35	-0.14	0.06	0.15	-0.24	9.08e-03	-6.72e-03	2.59e-03	-2.28e-04	-7.77e-03
20	70	20	0.16	0.28	0.10	0.10	0.28	-1.96e-03	7.85e-03	-8.71e-03	-7.66e-04	-9.75e-05	8.28e-03
		28	0.19	0.31	0.17	0.21	0.27	-0.06	5.10e-03	-0.01	-5.55e-03	-1.47e-04	-7.47e-03
		29	0.26	0.30	-0.06	0.12	0.12	-0.18	1.68e-03	-0.02	-9.55e-03	-4.05e-03	8.02e-03
		21	0.38	0.38	-0.23	0.03	0.12	-0.30	8.30e-03	-7.25e-03	1.87e-03	-8.07e-04	-7.66e-03
20	71	20	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		28	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		29	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		21	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
20	72	20	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		28	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		29	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		21	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
20	73	20	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		28	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		29	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		21	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
20	74	20	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		28	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		29	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		21	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
20	75	20	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		28	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		29	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		21	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
20	76	20	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		28	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		29	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		21	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
21	1	21	0.42	0.58	-0.07	0.15	0.37	-0.30	1.22e-03	-8.15e-03	-3.70e-03	-3.23e-03	4.68e-03
		29	0.36	0.55	0.04	0.24	0.35	-0.25	2.72e-03	-5.15e-03	-9.98e-04	-1.43e-03	-3.93e-03
		30	0.38	0.24	-0.41	-0.05	-0.12	-0.32	1.06e-04	-9.94e-03	-7.60e-03	-2.23e-03	4.24e-03
		22	0.55	0.37	-0.57	-0.06	-0.14	-0.47	7.81e-03	-1.58e-03	4.29e-03	1.93e-03	-4.54e-03
21	2	21	0.42	0.58	-0.07	0.15	0.37	-0.30	1.22e-03	-8.15e-03	-3.70e-03	-3.23e-03	4.68e-03
		29	0.36	0.55	0.04	0.24	0.35	-0.25	2.72e-03	-5.15e-03	-9.98e-04	-1.43e-03	-3.93e-03
		30	0.38	0.24	-0.41	-0.05	-0.12	-0.32	1.06e-04	-9.94e-03	-7.60e-03	-2.23e-03	4.24e-03
		22	0.55	0.37	-0.57	-0.06	-0.14	-0.47	7.81e-03	-1.58e-03	4.29e-03	1.93e-03	-4.54e-03
21	3	21	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		29	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
21	4	21	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		29	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
21	5	21	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		29	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
21	6	21	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		29	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03

21	7	21	21.41	33.11	0.51	5.05	28.58	11.28	0.17	-0.03	0.11	0.02	0.09
		29	20.98	32.52	0.75	5.12	28.15	-10.94	0.04	-0.13	-0.07	-0.01	-0.08
		30	20.60	32.02	0.88	5.05	27.86	10.60	0.03	-0.15	-0.09	-0.03	0.08
		22	21.55	33.16	0.09	4.97	28.28	-11.72	0.17	-0.04	0.12	0.02	-0.09
21	8	21	3.53	0.10	-5.19	-0.80	-4.28	-1.99	-5.24e-03	-0.08	-0.04	-0.04	-0.04
		29	3.15	-0.14	-4.85	-0.77	-4.22	1.61	0.03	-0.07	0.03	-0.06	-0.03
		30	4.31	0.39	-5.45	-0.48	-4.58	-2.08	0.31	0.05	0.05	0.31	0.03
		22	3.57	-0.15	-5.10	-0.62	-4.62	1.45	0.22	0.04	0.05	0.21	0.04
21	9	21	23.38	36.16	0.53	5.50	31.19	12.34	0.19	-0.04	0.12	0.03	0.10
		29	22.89	35.48	0.81	5.57	30.72	-11.93	0.05	-0.14	-0.08	-0.02	-0.09
		30	22.51	35.00	0.95	5.51	30.44	11.60	0.03	-0.16	-0.10	-0.03	0.09
		22	23.52	36.20	0.13	5.43	30.90	-12.77	0.19	-0.04	0.13	0.02	-0.10
21	10	21	1.57	0.13	-2.16	-0.35	-1.68	-0.93	-6.49e-03	-0.06	-0.03	-0.04	-0.03
		29	1.26	-0.08	-1.89	-0.32	-1.65	0.62	0.03	-0.07	0.02	-0.06	-0.04
		30	2.44	0.46	-2.48	-0.02	-2.01	-1.09	0.31	0.04	0.04	0.31	0.04
		22	1.72	-0.08	-2.09	-0.16	-2.01	0.41	0.21	0.06	0.06	0.21	0.03
21	11	21	21.41	33.12	0.52	5.05	28.59	11.28	0.17	-0.03	0.11	0.02	0.09
		29	20.98	32.53	0.75	5.12	28.16	-10.94	0.04	-0.13	-0.07	-0.01	-0.08
		30	20.60	32.03	0.89	5.05	27.87	10.60	0.03	-0.15	-0.09	-0.03	0.08
		22	21.55	33.17	0.10	4.97	28.29	-11.72	0.17	-0.04	0.12	0.02	-0.09
21	12	21	3.54	0.10	-5.20	-0.81	-4.29	-1.99	-5.34e-03	-0.08	-0.04	-0.04	-0.04
		29	3.16	-0.14	-4.86	-0.77	-4.22	1.61	0.03	-0.07	0.03	-0.06	-0.03
		30	4.31	0.38	-5.46	-0.49	-4.59	-2.08	0.31	0.05	0.05	0.31	0.03
		22	3.57	-0.15	-5.10	-0.63	-4.63	1.46	0.22	0.04	0.05	0.21	0.04
21	13	21	23.39	36.16	0.54	5.50	31.20	12.34	0.19	-0.04	0.12	0.03	0.10
		29	22.89	35.49	0.81	5.57	30.73	-11.93	0.05	-0.14	-0.08	-0.02	-0.09
		30	22.51	35.00	0.96	5.52	30.44	11.60	0.03	-0.16	-0.10	-0.03	0.09
		22	23.52	36.21	0.13	5.43	30.91	-12.77	0.19	-0.04	0.13	0.02	-0.10
21	14	21	1.57	0.13	-2.16	-0.35	-1.68	-0.93	-6.59e-03	-0.06	-0.03	-0.04	-0.03
		29	1.26	-0.08	-1.90	-0.32	-1.66	0.62	0.03	-0.07	0.02	-0.06	-0.04
		30	2.44	0.46	-2.49	-0.02	-2.01	-1.08	0.31	0.04	0.04	0.31	0.04
		22	1.73	-0.08	-2.10	-0.17	-2.02	0.41	0.21	0.06	0.06	0.21	0.03
21	15	21	21.41	33.11	0.51	5.05	28.58	11.28	0.17	-0.03	0.11	0.02	0.09
		29	20.98	32.52	0.75	5.12	28.15	-10.94	0.04	-0.13	-0.07	-0.01	-0.08
		30	20.60	32.02	0.88	5.05	27.86	10.60	0.03	-0.15	-0.09	-0.03	0.08
		22	21.55	33.16	0.09	4.97	28.28	-11.72	0.17	-0.04	0.12	0.02	-0.09
21	16	21	3.53	0.10	-5.19	-0.80	-4.28	-1.99	-5.26e-03	-0.08	-0.04	-0.04	-0.04
		29	3.15	-0.14	-4.85	-0.77	-4.22	1.61	0.03	-0.07	0.03	-0.06	-0.03
		30	4.31	0.39	-5.45	-0.48	-4.58	-2.08	0.31	0.05	0.05	0.31	0.03
		22	3.57	-0.15	-5.10	-0.62	-4.62	1.45	0.22	0.04	0.05	0.21	0.04
21	17	21	23.38	36.16	0.53	5.50	31.19	12.34	0.19	-0.04	0.12	0.03	0.10
		29	22.89	35.48	0.81	5.57	30.72	-11.93	0.05	-0.14	-0.08	-0.02	-0.09
		30	22.51	35.00	0.95	5.51	30.44	11.60	0.03	-0.16	-0.10	-0.03	0.09
		22	23.52	36.20	0.13	5.43	30.90	-12.77	0.19	-0.04	0.13	0.02	-0.10
21	18	21	1.57	0.13	-2.16	-0.35	-1.68	-0.93	-6.48e-03	-0.06	-0.03	-0.04	-0.03
		29	1.26	-0.08	-1.89	-0.32	-1.65	0.62	0.03	-0.07	0.02	-0.06	-0.04
		30	2.44	0.46	-2.48	-0.02	-2.01	-1.09	0.31	0.04	0.04	0.31	0.04
		22	1.72	-0.08	-2.09	-0.16	-2.01	0.41	0.21	0.06	0.06	0.21	0.03
21	19	21	21.41	33.12	0.52	5.05	28.59	11.28	0.17	-0.03	0.11	0.02	0.09
		29	20.98	32.53	0.75	5.12	28.16	-10.94	0.04	-0.13	-0.07	-0.01	-0.08
		30	20.60	32.03	0.89	5.05	27.87	10.60	0.03	-0.15	-0.09	-0.03	0.08
		22	21.55	33.17	0.10	4.97	28.29	-11.72	0.17	-0.04	0.12	0.02	-0.09
21	20	21	3.54	0.10	-5.20	-0.81	-4.29	-1.99	-5.35e-03	-0.08	-0.04	-0.04	-0.04
		29	3.16	-0.14	-4.86	-0.77	-4.22	1.61	0.03	-0.07	0.03	-0.06	-0.03
		30	4.31	0.38	-5.46	-0.49	-4.59	-2.08	0.31	0.05	0.05	0.31	0.03
		22	3.57	-0.15	-5.10	-0.63	-4.63	1.46	0.22	0.04	0.05	0.21	0.04
21	21	21	23.39	36.16	0.54	5.50	31.20	12.34	0.19	-0.04	0.12	0.03	0.10
		29	22.89	35.49	0.81	5.57	30.73	-11.93	0.05	-0.14	-0.08	-0.02	-0.09
		30	22.51	35.00	0.96	5.52	30.44	11.60	0.03	-0.16	-0.10	-0.03	0.09
		22	23.52	36.21	0.13	5.43	30.91	-12.77	0.19	-0.04	0.13	0.02	-0.10
21	22	21	1.57	0.13	-2.16	-0.35	-1.68	-0.93	-6.58e-03	-0.06	-0.03	-0.04	-0.03
		29	1.26	-0.08	-1.90	-0.32	-1.66	0.62	0.03	-0.07	0.02	-0.06	-0.04
		30	2.44	0.46	-2.49	-0.02	-2.01	-1.08	0.31	0.04	0.04	0.31	0.04
		22	1.73	-0.08	-2.10	-0.17	-2.02	0.41	0.21	0.06	0.06	0.21	0.03
21	23	21	81.92	126.30	1.12	18.96	108.46	43.76	0.65	-0.11	0.44	0.10	0.34
		29	79.51	123.22	2.67	19.03	106.86	-41.28	0.15	-0.49	-0.28	-0.05	-0.30
		30	79.28	123.13	3.03	19.40	106.76	41.21	0.11	-0.54	-0.32	-0.11	0.31
		22	81.76	126.29	1.23	19.12	108.40	-43.79	0.64	-0.13	0.46	0.06	-0.33
21	24	21	1.24	-0.27	-1.36	-0.53	-1.09	-0.47	-8.18e-03	-0.18	-0.07	-0.12	-0.08
		29	1.24	-0.23	-1.42	-0.60	-1.05	0.55	0.10	-0.24	0.05	-0.19	-0.12
		30	4.01	1.38	-1.80	0.96	-1.38	-1.07	1.04	0.12	0.15	1.02	0.14
		22	2.44	0.50	-1.29	0.49	-1.28	0.13	0.71	0.21	0.23	0.69	0.10
21	25	21	82.51	127.22	1.12	19.10	109.24	44.08	0.66	-0.12	0.44	0.10	0.34
		29	80.09	124.11	2.69	19.16	107.63	-41.58	0.16	-0.49	-0.28	-0.05	-0.30
		30	79.86	124.02	3.05	19.54	107.53	41.51	0.11	-0.55	-0.33	-0.11	0.31
		22	82.35	127.20	1.24	19.25	109.19	-44.10	0.65	-0.13	0.46	0.06	-0.33
21	26	21	0.69	-0.20	-0.51	-0.40	-0.31	-0.15	-8.21e-03	-0.18	-0.07	-0.12	-0.08

	29	1.04	-0.10	-0.64	-0.46	-0.28	0.25	0.10	-0.25	0.05	-0.19	-0.13	
	30	3.47	1.40	-0.91	1.10	-0.61	-0.77	1.04	0.12	0.14	1.02	0.14	
	22	2.05	0.65	-0.53	0.62	-0.50	-0.18	0.71	0.21	0.23	0.69	0.10	
21	27	21	81.92	126.30	1.12	18.96	108.46	43.76	0.65	-0.11	0.44	0.10	0.34
	29	79.51	123.22	2.67	19.03	106.86	-41.28	0.15	-0.49	-0.28	-0.05	-0.30	
	30	79.28	123.13	3.03	19.40	106.76	41.21	0.11	-0.54	-0.32	-0.11	0.31	
	22	81.76	126.29	1.23	19.12	108.40	-43.79	0.64	-0.13	0.46	0.06	-0.33	
21	28	21	1.24	-0.27	-1.36	-0.53	-1.09	-0.47	-8.19e-03	-0.18	-0.07	-0.12	-0.08
	29	1.24	-0.23	-1.42	-0.60	-1.05	0.55	0.10	-0.24	0.05	-0.19	-0.12	
	30	4.01	1.38	-1.80	0.96	-1.38	-1.07	1.04	0.12	0.15	1.02	0.14	
	22	2.44	0.50	-1.29	0.49	-1.28	0.13	0.71	0.21	0.23	0.69	0.10	
21	29	21	82.51	127.22	1.12	19.10	109.24	44.08	0.66	-0.12	0.44	0.10	0.34
	29	80.09	124.11	2.69	19.16	107.63	-41.58	0.16	-0.49	-0.28	-0.05	-0.30	
	30	79.86	124.02	3.05	19.54	107.53	41.51	0.11	-0.55	-0.33	-0.11	0.31	
	22	82.35	127.20	1.24	19.25	109.19	-44.10	0.65	-0.13	0.46	0.06	-0.33	
21	30	21	0.69	-0.20	-0.51	-0.40	-0.31	-0.15	-8.20e-03	-0.18	-0.07	-0.12	-0.08
	29	1.04	-0.10	-0.64	-0.46	-0.28	0.25	0.10	-0.25	0.05	-0.19	-0.13	
	30	3.47	1.40	-0.91	1.10	-0.61	-0.77	1.04	0.12	0.14	1.02	0.14	
	22	2.05	0.65	-0.53	0.62	-0.50	-0.18	0.71	0.21	0.23	0.69	0.10	
21	31	21	81.93	126.33	1.13	18.97	108.49	43.76	0.65	-0.11	0.44	0.10	0.34
	29	79.52	123.24	2.68	19.04	106.88	-41.28	0.16	-0.49	-0.28	-0.05	-0.30	
	30	79.29	123.14	3.04	19.41	106.77	41.20	0.11	-0.54	-0.32	-0.11	0.31	
	22	81.78	126.32	1.24	19.13	108.43	-43.79	0.64	-0.13	0.46	0.06	-0.33	
21	32	21	1.24	-0.28	-1.38	-0.54	-1.12	-0.47	-8.55e-03	-0.18	-0.07	-0.12	-0.08
	29	1.24	-0.23	-1.43	-0.60	-1.06	0.55	0.10	-0.24	0.05	-0.19	-0.12	
	30	4.02	1.36	-1.81	0.95	-1.40	-1.06	1.04	0.12	0.15	1.02	0.14	
	22	2.46	0.48	-1.32	0.47	-1.31	0.14	0.71	0.21	0.23	0.69	0.10	
21	33	21	82.52	127.24	1.14	19.11	109.27	44.08	0.66	-0.12	0.45	0.10	0.34
	29	80.10	124.12	2.70	19.17	107.65	-41.58	0.16	-0.49	-0.28	-0.05	-0.30	
	30	79.86	124.03	3.06	19.55	107.55	41.50	0.11	-0.55	-0.33	-0.11	0.31	
	22	82.36	127.23	1.25	19.27	109.21	-44.11	0.65	-0.13	0.46	0.06	-0.33	
21	34	21	0.70	-0.22	-0.52	-0.41	-0.34	-0.15	-8.58e-03	-0.18	-0.07	-0.12	-0.08
	29	1.04	-0.11	-0.65	-0.47	-0.29	0.26	0.10	-0.25	0.05	-0.19	-0.13	
	30	3.47	1.38	-0.92	1.09	-0.63	-0.76	1.04	0.12	0.14	1.02	0.14	
	22	2.07	0.64	-0.55	0.61	-0.53	-0.18	0.71	0.21	0.23	0.69	0.10	
21	35	21	81.93	126.33	1.13	18.97	108.49	43.76	0.65	-0.11	0.44	0.10	0.34
	29	79.52	123.24	2.68	19.04	106.88	-41.28	0.16	-0.49	-0.28	-0.05	-0.30	
	30	79.29	123.14	3.04	19.41	106.77	41.20	0.11	-0.54	-0.32	-0.11	0.31	
	22	81.78	126.32	1.24	19.13	108.43	-43.79	0.64	-0.13	0.46	0.06	-0.33	
21	36	21	1.24	-0.28	-1.38	-0.54	-1.12	-0.47	-8.55e-03	-0.18	-0.07	-0.12	-0.08
	29	1.24	-0.23	-1.43	-0.60	-1.06	0.55	0.10	-0.24	0.05	-0.19	-0.12	
	30	4.02	1.36	-1.81	0.95	-1.40	-1.06	1.04	0.12	0.15	1.02	0.14	
	22	2.46	0.48	-1.32	0.47	-1.31	0.14	0.71	0.21	0.23	0.69	0.10	
21	37	21	82.52	127.24	1.14	19.11	109.27	44.08	0.66	-0.12	0.45	0.10	0.34
	29	80.10	124.12	2.70	19.17	107.65	-41.58	0.16	-0.49	-0.28	-0.05	-0.30	
	30	79.86	124.03	3.06	19.55	107.55	41.50	0.11	-0.55	-0.33	-0.11	0.31	
	22	82.36	127.23	1.25	19.27	109.21	-44.11	0.65	-0.13	0.46	0.06	-0.33	
21	38	21	0.70	-0.22	-0.52	-0.41	-0.34	-0.15	-8.57e-03	-0.18	-0.07	-0.12	-0.08
	29	1.04	-0.11	-0.65	-0.47	-0.29	0.26	0.10	-0.25	0.05	-0.19	-0.13	
	30	3.47	1.38	-0.92	1.09	-0.63	-0.76	1.04	0.12	0.14	1.02	0.14	
	22	2.07	0.64	-0.55	0.61	-0.53	-0.18	0.71	0.21	0.23	0.69	0.10	
21	39	21	0.32	0.45	-0.04	0.12	0.29	-0.23	1.01e-03	-6.16e-03	-2.70e-03	-2.45e-03	3.58e-03
	29	0.27	0.43	0.04	0.19	0.27	-0.19	2.21e-03	-3.88e-03	-6.20e-04	-1.06e-03	-3.04e-03	
	30	0.29	0.18	-0.31	-0.04	-0.09	-0.24	1.61e-04	-7.50e-03	-5.66e-03	-1.67e-03	3.27e-03	
	22	0.42	0.29	-0.43	-0.04	-0.10	-0.36	6.14e-03	-1.13e-03	3.48e-03	1.52e-03	-3.50e-03	
21	40	21	0.32	0.44	-0.06	0.11	0.27	-0.24	8.52e-04	-6.38e-03	-3.00e-03	-2.53e-03	3.61e-03
	29	0.28	0.42	0.02	0.18	0.26	-0.20	1.98e-03	-4.05e-03	-9.21e-04	-1.15e-03	-3.01e-03	
	30	0.30	0.18	-0.33	-0.05	-0.10	-0.25	-4.94e-06	-7.80e-03	-6.04e-03	-1.76e-03	3.26e-03	
	22	0.43	0.29	-0.45	-0.05	-0.11	-0.37	5.87e-03	-1.31e-03	3.11e-03	1.44e-03	-3.49e-03	
21	41	21	0.32	0.45	-0.04	0.12	0.29	-0.23	1.02e-03	-6.15e-03	-2.69e-03	-2.44e-03	3.59e-03
	29	0.27	0.43	0.04	0.19	0.27	-0.19	2.21e-03	-3.87e-03	-6.14e-04	-1.05e-03	-3.03e-03	
	30	0.29	0.18	-0.31	-0.04	-0.09	-0.24	1.69e-04	-7.49e-03	-5.66e-03	-1.66e-03	3.27e-03	
	22	0.42	0.29	-0.43	-0.04	-0.10	-0.36	6.14e-03	-1.12e-03	3.49e-03	1.54e-03	-3.50e-03	
21	42	21	0.32	0.44	-0.06	0.11	0.27	-0.24	8.69e-04	-6.38e-03	-2.99e-03	-2.52e-03	3.62e-03
	29	0.28	0.42	0.02	0.18	0.26	-0.20	1.99e-03	-4.04e-03	-9.16e-04	-1.13e-03	-3.01e-03	
	30	0.30	0.18	-0.33	-0.05	-0.10	-0.25	2.88e-06	-7.79e-03	-6.03e-03	-1.75e-03	3.26e-03	
	22	0.43	0.29	-0.45	-0.05	-0.11	-0.37	5.87e-03	-1.30e-03	3.12e-03	1.45e-03	-3.49e-03	
21	43	21	0.32	0.45	-0.04	0.12	0.29	-0.23	1.02e-03	-6.12e-03	-2.65e-03	-2.45e-03	3.57e-03
	29	0.27	0.43	0.04	0.19	0.27	-0.19	2.24e-03	-3.87e-03	-5.67e-04	-1.06e-03	-3.04e-03	
	30	0.29	0.18	-0.31	-0.04	-0.09	-0.24	1.69e-04	-7.47e-03	-5.62e-03	-1.67e-03	3.27e-03	
	22	0.42	0.29	-0.43	-0.04	-0.10	-0.36	6.17e-03	-1.12e-03	3.52e-03	1.54e-03	-3.51e-03	
21	44	21	0.32	0.44	-0.06	0.11	0.27	-0.24	8.35e-04	-6.42e-03	-3.05e-03	-2.53e-03	3.62e-03
	29	0.28	0.42	0.02	0.18	0.26	-0.20	1.95e-03	-4.07e-03	-9.74e-04	-1.15e-03	-3.01e-03	
	30	0.30	0.18	-0.33	-0.05	-0.10	-0.25	-1.23e-05	-7.83e-03	-6.08e-03	-1.76e-03	3.26e-03	
	22	0.43	0.28	-0.45	-0.05	-0.12	-0.37	5.84e-03	-1.32e-03	3.07e-03	1.44e-03	-3.49e-03	
21	45	21	0.32	0.45	-0.04	0.12	0.29	-0.23	1.04e-03	-6.12e-03	-2.64e-03	-2.44e-03	3.58e-03
	29	0.27	0.43	0.04	0.19	0.27	-0.19	2.25e-03	-3.85e-03	-5.61e-04	-1.05e-03	-3.04e-03	

		30	0.29	0.18	-0.31	-0.04	-0.09	-0.24	1.77e-04	-7.46e-03	-5.62e-03	-1.66e-03	3.27e-03
		22	0.42	0.29	-0.43	-0.04	-0.10	-0.36	6.17e-03	-1.11e-03	3.53e-03	1.54e-03	-3.50e-03
21	46	21	0.32	0.44	-0.06	0.11	0.27	-0.24	8.52e-04	-6.42e-03	-3.04e-03	-2.52e-03	3.62e-03
		29	0.28	0.42	0.02	0.18	0.26	-0.20	1.95e-03	-4.06e-03	-9.69e-04	-1.13e-03	-3.00e-03
		30	0.30	0.18	-0.33	-0.05	-0.10	-0.25	-4.45e-06	-7.82e-03	-6.07e-03	-1.75e-03	3.26e-03
		22	0.43	0.28	-0.45	-0.06	-0.12	-0.37	5.84e-03	-1.31e-03	3.08e-03	1.46e-03	-3.49e-03
21	47	21	0.32	0.45	-0.04	0.12	0.29	-0.23	1.01e-03	-6.16e-03	-2.70e-03	-2.45e-03	3.59e-03
		29	0.27	0.43	0.04	0.19	0.27	-0.19	2.20e-03	-3.88e-03	-6.20e-04	-1.06e-03	-3.03e-03
		30	0.29	0.18	-0.31	-0.04	-0.09	-0.24	1.61e-04	-7.50e-03	-5.66e-03	-1.67e-03	3.27e-03
		22	0.42	0.29	-0.43	-0.04	-0.10	-0.36	6.14e-03	-1.13e-03	3.48e-03	1.52e-03	-3.50e-03
21	48	21	0.32	0.44	-0.06	0.11	0.27	-0.24	8.59e-04	-6.39e-03	-3.00e-03	-2.53e-03	3.62e-03
		29	0.28	0.42	0.02	0.18	0.26	-0.20	1.98e-03	-4.05e-03	-9.21e-04	-1.15e-03	-3.01e-03
		30	0.30	0.18	-0.33	-0.05	-0.10	-0.25	-4.73e-06	-7.79e-03	-6.04e-03	-1.76e-03	3.26e-03
		22	0.43	0.29	-0.45	-0.05	-0.11	-0.37	5.86e-03	-1.31e-03	3.11e-03	1.44e-03	-3.49e-03
21	49	21	0.32	0.45	-0.04	0.12	0.29	-0.23	1.02e-03	-6.15e-03	-2.69e-03	-2.44e-03	3.58e-03
		29	0.27	0.43	0.04	0.19	0.27	-0.19	2.21e-03	-3.88e-03	-6.15e-04	-1.05e-03	-3.04e-03
		30	0.29	0.18	-0.31	-0.04	-0.09	-0.24	1.69e-04	-7.49e-03	-5.66e-03	-1.66e-03	3.27e-03
		22	0.42	0.29	-0.43	-0.04	-0.10	-0.36	6.15e-03	-1.12e-03	3.49e-03	1.54e-03	-3.50e-03
21	50	21	0.32	0.44	-0.06	0.11	0.27	-0.24	8.63e-04	-6.37e-03	-2.99e-03	-2.52e-03	3.61e-03
		29	0.28	0.42	0.02	0.18	0.26	-0.20	1.99e-03	-4.04e-03	-9.16e-04	-1.14e-03	-3.01e-03
		30	0.30	0.18	-0.33	-0.05	-0.10	-0.25	2.68e-06	-7.79e-03	-6.03e-03	-1.75e-03	3.26e-03
		22	0.43	0.29	-0.45	-0.05	-0.11	-0.37	5.87e-03	-1.30e-03	3.12e-03	1.45e-03	-3.49e-03
21	51	21	0.32	0.45	-0.04	0.12	0.29	-0.23	1.03e-03	-6.13e-03	-2.65e-03	-2.45e-03	3.58e-03
		29	0.27	0.43	0.04	0.19	0.27	-0.19	2.24e-03	-3.86e-03	-5.67e-04	-1.06e-03	-3.04e-03
		30	0.29	0.18	-0.31	-0.04	-0.09	-0.24	1.69e-04	-7.46e-03	-5.62e-03	-1.67e-03	3.27e-03
		22	0.42	0.29	-0.43	-0.04	-0.10	-0.36	6.17e-03	-1.12e-03	3.52e-03	1.52e-03	-3.50e-03
21	52	21	0.32	0.44	-0.06	0.11	0.27	-0.24	8.42e-04	-6.42e-03	-3.05e-03	-2.53e-03	3.62e-03
		29	0.28	0.42	0.02	0.18	0.26	-0.20	1.95e-03	-4.06e-03	-9.74e-04	-1.15e-03	-3.00e-03
		30	0.30	0.18	-0.33	-0.05	-0.10	-0.25	-1.21e-05	-7.83e-03	-6.08e-03	-1.76e-03	3.26e-03
		22	0.43	0.28	-0.45	-0.05	-0.12	-0.37	5.84e-03	-1.32e-03	3.07e-03	1.44e-03	-3.49e-03
21	53	21	0.32	0.45	-0.04	0.12	0.29	-0.23	1.03e-03	-6.11e-03	-2.64e-03	-2.44e-03	3.57e-03
		29	0.27	0.43	0.04	0.19	0.27	-0.19	2.25e-03	-3.86e-03	-5.62e-04	-1.05e-03	-3.04e-03
		30	0.29	0.18	-0.31	-0.04	-0.09	-0.24	1.77e-04	-7.46e-03	-5.62e-03	-1.66e-03	3.27e-03
		22	0.42	0.29	-0.43	-0.04	-0.10	-0.36	6.17e-03	-1.11e-03	3.53e-03	1.53e-03	-3.51e-03
21	54	21	0.32	0.44	-0.06	0.11	0.27	-0.24	8.46e-04	-6.41e-03	-3.04e-03	-2.52e-03	3.62e-03
		29	0.28	0.42	0.02	0.18	0.26	-0.20	1.96e-03	-4.06e-03	-9.69e-04	-1.14e-03	-3.01e-03
		30	0.30	0.18	-0.33	-0.05	-0.10	-0.25	-4.67e-06	-7.82e-03	-6.07e-03	-1.75e-03	3.26e-03
		22	0.43	0.28	-0.45	-0.06	-0.12	-0.37	5.85e-03	-1.32e-03	3.08e-03	1.45e-03	-3.49e-03
21	55	21	0.31	0.45	-0.02	0.13	0.30	-0.22	1.20e-03	-5.90e-03	-2.35e-03	-2.35e-03	3.55e-03
		29	0.27	0.43	0.06	0.20	0.29	-0.18	2.47e-03	-3.69e-03	-2.66e-04	-9.53e-04	-3.06e-03
		30	0.28	0.18	-0.28	-0.03	-0.07	-0.23	3.63e-04	-7.15e-03	-5.23e-03	-1.56e-03	3.28e-03
		22	0.41	0.29	-0.41	-0.03	-0.08	-0.35	6.47e-03	-9.26e-04	3.92e-03	1.63e-03	-3.52e-03
21	56	21	0.33	0.44	-0.08	0.10	0.26	-0.25	6.82e-04	-6.65e-03	-3.35e-03	-2.62e-03	3.65e-03
		29	0.28	0.42	-1.35e-03	0.18	0.25	-0.21	1.73e-03	-4.24e-03	-1.27e-03	-1.24e-03	-2.99e-03
		30	0.31	0.18	-0.35	-0.06	-0.11	-0.26	-1.91e-04	-8.15e-03	-6.47e-03	-1.87e-03	3.24e-03
		22	0.44	0.28	-0.48	-0.06	-0.13	-0.38	5.55e-03	-1.53e-03	2.68e-03	1.35e-03	-3.48e-03
21	57	21	0.31	0.45	-0.02	0.13	0.30	-0.22	1.20e-03	-5.89e-03	-2.35e-03	-2.35e-03	3.55e-03
		29	0.27	0.43	0.06	0.20	0.29	-0.18	2.47e-03	-3.69e-03	-2.64e-04	-9.49e-04	-3.06e-03
		30	0.28	0.18	-0.28	-0.03	-0.07	-0.23	3.65e-04	-7.15e-03	-5.23e-03	-1.56e-03	3.28e-03
		22	0.41	0.29	-0.41	-0.03	-0.08	-0.35	6.47e-03	-9.23e-04	3.92e-03	1.63e-03	-3.51e-03
21	58	21	0.33	0.44	-0.08	0.10	0.26	-0.25	6.87e-04	-6.65e-03	-3.34e-03	-2.62e-03	3.65e-03
		29	0.28	0.42	-1.39e-03	0.18	0.25	-0.21	1.73e-03	-4.24e-03	-1.27e-03	-1.24e-03	-2.98e-03
		30	0.31	0.18	-0.35	-0.06	-0.11	-0.26	-1.89e-04	-8.14e-03	-6.47e-03	-1.86e-03	3.24e-03
		22	0.44	0.28	-0.48	-0.06	-0.13	-0.38	5.56e-03	-1.52e-03	2.68e-03	1.35e-03	-3.48e-03
21	59	21	0.31	0.45	-0.02	0.13	0.30	-0.22	1.20e-03	-5.90e-03	-2.35e-03	-2.35e-03	3.55e-03
		29	0.27	0.43	0.06	0.20	0.29	-0.18	2.47e-03	-3.69e-03	-2.66e-04	-9.52e-04	-3.06e-03
		30	0.28	0.18	-0.28	-0.03	-0.07	-0.23	3.63e-04	-7.15e-03	-5.23e-03	-1.56e-03	3.28e-03
		22	0.41	0.29	-0.41	-0.03	-0.08	-0.35	6.47e-03	-9.25e-04	3.92e-03	1.63e-03	-3.51e-03
21	60	21	0.33	0.44	-0.08	0.10	0.26	-0.25	6.84e-04	-6.65e-03	-3.34e-03	-2.62e-03	3.65e-03
		29	0.28	0.42	-1.35e-03	0.18	0.25	-0.21	1.73e-03	-4.24e-03	-1.27e-03	-1.24e-03	-2.98e-03
		30	0.31	0.18	-0.35	-0.06	-0.11	-0.26	-1.91e-04	-8.15e-03	-6.47e-03	-1.87e-03	3.24e-03
		22	0.44	0.28	-0.48	-0.06	-0.13	-0.38	5.55e-03	-1.52e-03	2.68e-03	1.35e-03	-3.48e-03
21	61	21	0.31	0.45	-0.02	0.13	0.30	-0.22	1.20e-03	-5.89e-03	-2.35e-03	-2.35e-03	3.55e-03
		29	0.27	0.43	0.06	0.20	0.29	-0.18	2.48e-03	-3.69e-03	-2.65e-04	-9.49e-04	-3.06e-03
		30	0.28	0.18	-0.28	-0.03	-0.07	-0.23	3.65e-04	-7.15e-03	-5.23e-03	-1.56e-03	3.28e-03
		22	0.41	0.29	-0.41	-0.03	-0.08	-0.35	6.47e-03	-9.24e-04	3.92e-03	1.63e-03	-3.52e-03
21	62	21	0.33	0.44	-0.08	0.10	0.26	-0.25	6.85e-04	-6.65e-03	-3.34e-03	-2.62e-03	3.65e-03
		29	0.28	0.42	-1.39e-03	0.18	0.25	-0.21	1.73e-03	-4.24e-03	-1.27e-03	-1.24e-03	-2.99e-03
		30	0.31	0.18	-0.35	-0.06	-0.11	-0.26	-1.89e-04	-8.15e-03	-6.47e-03	-1.86e-03	3.24e-03
		22	0.44	0.28	-0.48	-0.06	-0.13	-0.38	5.56e-03	-1.52e-03	2.68e-03	1.35e-03	-3.48e-03
21	63	21	0.32	0.46	-0.02	0.13	0.31	-0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.35e-03	3.52e-03
		29	0.27	0.43	0.06	0.20	0.29	-0.18	2.59e-03	-3.64e-03	-9.00e-05	-9.53e-04	-3.09e-03
		30	0.28	0.19	-0.28	-0.02	-0.07	-0.23	3.92e-04	-7.05e-03	-5.09e-03	-1.57e-03	3.28e-03
		22	0.41	0.30	-0.40	-0.03	-0.07	-0.35	6.56e-03	-8.94e-04	4.05e-03	1.62e-03	-3.52e-03
21	64	21	0.33	0.43	-0.09	0.10	0.25	-0.25	6.30e-04	-6.77e-03	-3.52e-03	-2.63e-03	3.67e-03
		29	0.28	0.42	-4.12e-03	0.17	0.24	-0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	-2.96e-03
		30	0.31	0.17	-0.35	-0.06	-0.12	-0.26	-2.13e-04	-8.26e-03	-6.61e-03	-1.86e-03	3.25e-03

		22	0.44	0.27	-0.48	-0.07	-0.14	-0.38	5.47e-03	-1.57e-03	2.55e-03	1.35e-03	-3.47e-03
21	65	21	0.32	0.46	-0.02	0.13	0.31	-0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.35e-03	3.52e-03
		29	0.27	0.43	0.06	0.20	0.29	-0.18	2.59e-03	-3.63e-03	-8.83e-05	-9.50e-04	-3.08e-03
		30	0.28	0.19	-0.28	-0.02	-0.07	-0.23	3.95e-04	-7.05e-03	-5.09e-03	-1.56e-03	3.28e-03
		22	0.41	0.30	-0.40	-0.03	-0.07	-0.35	6.56e-03	-8.90e-04	4.05e-03	1.62e-03	-3.52e-03
21	66	21	0.33	0.43	-0.09	0.10	0.25	-0.25	6.35e-04	-6.77e-03	-3.52e-03	-2.62e-03	3.68e-03
		29	0.28	0.42	-4.16e-03	0.17	0.24	-0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	-2.96e-03
		30	0.31	0.17	-0.35	-0.06	-0.12	-0.26	-2.11e-04	-8.25e-03	-6.61e-03	-1.86e-03	3.25e-03
		22	0.44	0.27	-0.48	-0.07	-0.14	-0.38	5.47e-03	-1.56e-03	2.55e-03	1.36e-03	-3.47e-03
21	67	21	0.32	0.46	-0.02	0.13	0.31	-0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.35e-03	3.52e-03
		29	0.27	0.43	0.06	0.20	0.29	-0.18	2.59e-03	-3.64e-03	-8.99e-05	-9.53e-04	-3.08e-03
		30	0.28	0.19	-0.28	-0.02	-0.07	-0.23	3.92e-04	-7.05e-03	-5.09e-03	-1.57e-03	3.28e-03
		22	0.41	0.30	-0.40	-0.03	-0.07	-0.35	6.56e-03	-8.93e-04	4.05e-03	1.62e-03	-3.52e-03
21	68	21	0.33	0.43	-0.09	0.10	0.25	-0.25	6.32e-04	-6.78e-03	-3.52e-03	-2.63e-03	3.68e-03
		29	0.28	0.42	-4.12e-03	0.17	0.24	-0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	-2.96e-03
		30	0.31	0.17	-0.35	-0.06	-0.12	-0.26	-2.13e-04	-8.26e-03	-6.61e-03	-1.86e-03	3.25e-03
		22	0.44	0.27	-0.48	-0.07	-0.14	-0.38	5.47e-03	-1.57e-03	2.55e-03	1.35e-03	-3.47e-03
21	69	21	0.32	0.46	-0.02	0.13	0.31	-0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.35e-03	3.52e-03
		29	0.27	0.43	0.06	0.20	0.29	-0.18	2.60e-03	-3.63e-03	-8.84e-05	-9.50e-04	-3.09e-03
		30	0.28	0.19	-0.28	-0.02	-0.07	-0.23	3.95e-04	-7.05e-03	-5.09e-03	-1.56e-03	3.28e-03
		22	0.41	0.30	-0.40	-0.03	-0.07	-0.35	6.56e-03	-8.91e-04	4.05e-03	1.62e-03	-3.52e-03
21	70	21	0.33	0.43	-0.09	0.10	0.25	-0.25	6.33e-04	-6.77e-03	-3.52e-03	-2.62e-03	3.67e-03
		29	0.28	0.42	-4.16e-03	0.17	0.24	-0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	-2.96e-03
		30	0.31	0.17	-0.35	-0.06	-0.12	-0.26	-2.11e-04	-8.25e-03	-6.61e-03	-1.86e-03	3.25e-03
		22	0.44	0.27	-0.48	-0.07	-0.14	-0.38	5.47e-03	-1.56e-03	2.55e-03	1.36e-03	-3.47e-03
21	71	21	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		29	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
21	72	21	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		29	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
21	73	21	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		29	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
21	74	21	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		29	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
21	75	21	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		29	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
21	76	21	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		29	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
22	1	23	0.42	0.07	-0.58	-0.15	-0.37	0.30	1.22e-03	-8.15e-03	-3.70e-03	-3.23e-03	4.68e-03
		31	0.36	-0.04	-0.55	-0.24	-0.35	0.25	2.72e-03	-5.15e-03	-9.98e-04	-1.43e-03	-3.93e-03
		30	0.38	0.41	-0.24	0.05	0.12	0.32	1.06e-04	-9.94e-03	-7.60e-03	-2.23e-03	4.24e-03
		22	0.55	0.57	-0.37	0.06	0.14	0.47	7.81e-03	-1.58e-03	4.29e-03	1.93e-03	-4.54e-03
22	2	23	0.42	0.07	-0.58	-0.15	-0.37	0.30	1.22e-03	-8.15e-03	-3.70e-03	-3.23e-03	4.68e-03
		31	0.36	-0.04	-0.55	-0.24	-0.35	0.25	2.72e-03	-5.15e-03	-9.98e-04	-1.43e-03	-3.93e-03
		30	0.38	0.41	-0.24	0.05	0.12	0.32	1.06e-04	-9.94e-03	-7.60e-03	-2.23e-03	4.24e-03
		22	0.55	0.57	-0.37	0.06	0.14	0.47	7.81e-03	-1.58e-03	4.29e-03	1.93e-03	-4.54e-03
22	3	23	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		31	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
22	4	23	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		31	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
22	5	23	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		31	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
22	6	23	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		31	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
22	7	23	21.48	32.93	-0.09	4.82	28.02	11.75	0.02	-0.17	-0.12	-0.03	-0.08
		31	20.50	31.75	0.62	4.74	27.62	-10.55	0.12	-0.04	0.07	0.01	0.07
		30	20.99	32.54	0.64	5.13	28.05	11.09	0.13	-0.03	0.08	0.03	-0.08
		22	21.12	32.85	0.71	5.06	28.49	-11.00	0.03	-0.16	-0.12	-0.01	0.08

22	8	23	4.83	-0.49	-5.56	-0.49	-5.56	0.02	0.64	0.20	0.20	0.64	-0.02
		31	6.99	2.60	-6.91	1.19	-5.49	3.38	0.90	0.26	0.26	0.90	-0.01
		30	3.78	0.02	-5.04	-0.84	-4.17	-1.90	-0.04	-0.39	-0.06	-0.37	0.08
		22	4.37	0.19	-5.34	-0.80	-4.35	2.12	0.05	-0.32	-7.11e-03	-0.26	0.14
22	9	23	23.45	35.97	-0.07	5.27	30.63	12.81	0.03	-0.19	-0.13	-0.03	-0.09
		31	22.41	34.71	0.68	5.20	30.19	-11.54	0.13	-0.04	0.08	0.01	0.08
		30	22.91	35.51	0.71	5.59	30.62	12.09	0.15	-0.03	0.08	0.03	-0.08
		22	23.09	35.89	0.75	5.52	31.11	-12.04	0.04	-0.18	-0.13	-0.01	0.09
22	10	23	3.54	0.33	-3.31	-0.03	-2.95	1.08	0.64	0.19	0.19	0.64	-0.03
		31	5.11	2.66	-3.95	1.64	-2.93	2.39	0.90	0.27	0.27	0.90	-5.95e-03
		30	1.93	0.11	-2.08	-0.37	-1.60	-0.91	-0.04	-0.39	-0.05	-0.37	0.07
		22	2.46	0.24	-2.32	-0.34	-1.73	1.07	0.05	-0.33	-0.02	-0.26	0.15
22	11	23	21.48	32.94	-0.08	4.82	28.03	11.75	0.02	-0.17	-0.12	-0.03	-0.08
		31	20.51	31.75	0.62	4.75	27.63	-10.55	0.12	-0.04	0.07	0.01	0.07
		30	20.99	32.54	0.64	5.13	28.05	11.09	0.13	-0.03	0.08	0.03	-0.08
		22	21.13	32.85	0.72	5.07	28.50	-11.00	0.03	-0.16	-0.12	-0.01	0.08
22	12	23	4.83	-0.49	-5.57	-0.49	-5.57	0.03	0.64	0.20	0.20	0.64	-0.02
		31	7.00	2.60	-6.91	1.19	-5.50	3.38	0.90	0.26	0.26	0.90	-0.01
		30	3.78	0.02	-5.04	-0.84	-4.18	-1.90	-0.04	-0.39	-0.06	-0.37	0.08
		22	4.38	0.19	-5.35	-0.80	-4.36	2.12	0.05	-0.32	-7.00e-03	-0.26	0.14
22	13	23	23.45	35.98	-0.07	5.27	30.64	12.81	0.03	-0.19	-0.13	-0.03	-0.09
		31	22.42	34.71	0.68	5.20	30.20	-11.54	0.13	-0.04	0.08	0.01	0.08
		30	22.91	35.51	0.71	5.60	30.63	12.09	0.15	-0.03	0.08	0.03	-0.08
		22	23.09	35.89	0.75	5.53	31.12	-12.04	0.04	-0.18	-0.13	-0.01	0.09
22	14	23	3.55	0.32	-3.32	-0.04	-2.96	1.09	0.64	0.19	0.19	0.64	-0.03
		31	5.11	2.66	-3.95	1.64	-2.93	2.39	0.90	0.27	0.27	0.90	-5.96e-03
		30	1.93	0.10	-2.08	-0.38	-1.60	-0.90	-0.04	-0.39	-0.05	-0.37	0.07
		22	2.47	0.24	-2.33	-0.34	-1.74	1.07	0.05	-0.33	-0.02	-0.26	0.15
22	15	23	21.48	32.93	-0.09	4.82	28.02	11.75	0.02	-0.17	-0.12	-0.03	-0.08
		31	20.50	31.75	0.62	4.74	27.62	-10.55	0.12	-0.04	0.07	0.01	0.07
		30	20.99	32.54	0.64	5.13	28.05	11.09	0.13	-0.03	0.08	0.03	-0.08
		22	21.12	32.85	0.71	5.06	28.49	-11.00	0.03	-0.16	-0.12	-0.01	0.08
22	16	23	4.83	-0.49	-5.56	-0.49	-5.56	0.02	0.64	0.20	0.20	0.64	-0.02
		31	6.99	2.60	-6.91	1.19	-5.49	3.38	0.90	0.26	0.26	0.90	-0.01
		30	3.78	0.02	-5.04	-0.84	-4.17	-1.90	-0.04	-0.39	-0.06	-0.37	0.08
		22	4.37	0.19	-5.34	-0.80	-4.35	2.12	0.05	-0.32	-7.11e-03	-0.26	0.14
22	17	23	23.45	35.97	-0.07	5.27	30.63	12.81	0.03	-0.19	-0.13	-0.03	-0.09
		31	22.41	34.71	0.68	5.20	30.19	-11.54	0.13	-0.04	0.08	0.01	0.08
		30	22.91	35.51	0.71	5.59	30.62	12.09	0.15	-0.03	0.08	0.03	-0.08
		22	23.09	35.89	0.75	5.52	31.11	-12.04	0.04	-0.18	-0.13	-0.01	0.09
22	18	23	3.54	0.33	-3.31	-0.03	-2.95	1.08	0.64	0.19	0.19	0.64	-0.03
		31	5.11	2.66	-3.95	1.64	-2.93	2.39	0.90	0.27	0.27	0.90	-5.94e-03
		30	1.93	0.11	-2.08	-0.37	-1.60	-0.91	-0.04	-0.39	-0.05	-0.37	0.07
		22	2.46	0.24	-2.32	-0.34	-1.73	1.07	0.05	-0.33	-0.02	-0.26	0.15
22	19	23	21.48	32.94	-0.08	4.82	28.03	11.75	0.02	-0.17	-0.12	-0.03	-0.08
		31	20.51	31.75	0.62	4.75	27.63	-10.55	0.12	-0.04	0.07	0.01	0.07
		30	20.99	32.54	0.64	5.13	28.05	11.09	0.13	-0.03	0.08	0.03	-0.08
		22	21.13	32.85	0.72	5.07	28.50	-11.00	0.03	-0.16	-0.12	-0.01	0.08
22	20	23	4.83	-0.49	-5.57	-0.49	-5.57	0.03	0.64	0.20	0.20	0.64	-0.02
		31	7.00	2.60	-6.91	1.19	-5.50	3.38	0.90	0.26	0.26	0.90	-0.01
		30	3.78	0.02	-5.04	-0.84	-4.18	-1.90	-0.04	-0.39	-0.06	-0.37	0.08
		22	4.38	0.19	-5.35	-0.80	-4.36	2.12	0.05	-0.32	-7.00e-03	-0.26	0.14
22	21	23	23.45	35.98	-0.07	5.27	30.64	12.81	0.03	-0.19	-0.13	-0.03	-0.09
		31	22.42	34.71	0.68	5.20	30.20	-11.54	0.13	-0.04	0.08	0.01	0.08
		30	22.91	35.51	0.71	5.60	30.63	12.09	0.15	-0.03	0.08	0.03	-0.08
		22	23.09	35.89	0.75	5.53	31.12	-12.04	0.04	-0.18	-0.13	-0.01	0.09
22	22	23	3.55	0.32	-3.32	-0.04	-2.96	1.09	0.64	0.19	0.19	0.64	-0.03
		31	5.11	2.66	-3.95	1.64	-2.93	2.39	0.90	0.27	0.27	0.90	-5.95e-03
		30	1.93	0.10	-2.08	-0.38	-1.60	-0.90	-0.04	-0.39	-0.05	-0.37	0.07
		22	2.47	0.24	-2.33	-0.34	-1.74	1.07	0.05	-0.33	-0.02	-0.26	0.15
22	23	23	81.98	126.12	0.51	18.73	107.90	44.23	0.10	-0.65	-0.45	-0.10	-0.34
		31	79.04	122.44	2.54	18.65	106.33	-40.89	0.48	-0.15	0.28	0.05	0.29
		30	79.68	123.64	2.78	19.48	106.94	41.70	0.53	-0.11	0.31	0.11	-0.30
		22	81.33	125.98	1.85	19.21	108.61	-43.06	0.13	-0.63	-0.45	-0.05	0.33
22	24	23	9.82	4.26	-7.24	1.05	-4.04	5.16	2.14	0.62	0.63	2.13	-0.13
		31	12.92	9.14	-6.40	6.81	-4.06	5.56	3.01	0.92	0.92	3.01	1.36e-03
		30	3.85	1.19	-2.06	-0.42	-0.46	-1.62	-0.11	-1.27	-0.15	-1.22	0.21
		22	3.88	0.11	-1.31	-0.33	-0.86	0.66	0.16	-1.12	-0.09	-0.87	0.51
22	25	23	82.58	127.03	0.52	18.87	108.68	44.55	0.10	-0.66	-0.45	-0.10	-0.34
		31	79.61	123.33	2.56	18.79	107.10	-41.19	0.48	-0.15	0.28	0.05	0.30
		30	80.25	124.53	2.80	19.62	107.72	42.00	0.53	-0.11	0.31	0.11	-0.31
		22	81.92	126.89	1.86	19.35	109.40	-43.38	0.13	-0.64	-0.45	-0.05	0.33
22	26	23	9.72	4.88	-6.94	1.19	-3.25	5.48	2.14	0.61	0.63	2.13	-0.13
		31	12.37	9.16	-5.51	6.94	-3.29	5.26	3.01	0.92	0.92	3.01	3.50e-03
		30	3.97	1.37	-1.34	-0.28	0.31	-1.32	-0.11	-1.26	-0.15	-1.22	0.21
		22	3.32	0.21	-0.49	-0.19	-0.08	0.35	0.16	-1.12	-0.09	-0.87	0.51
22	27	23	81.98	126.12	0.51	18.73	107.90	44.23	0.10	-0.65	-0.45	-0.10	-0.34

		31	79.04	122.44	2.54	18.65	106.33	-40.89	0.48	-0.15	0.28	0.05	0.29
		30	79.68	123.64	2.78	19.48	106.94	41.70	0.53	-0.11	0.31	0.11	-0.30
		22	81.33	125.98	1.85	19.21	108.61	-43.06	0.13	-0.63	-0.45	-0.05	0.33
22	28	23	9.82	4.26	-7.24	1.05	-4.04	5.16	2.14	0.62	0.63	2.13	-0.13
		31	12.92	9.14	-6.40	6.81	-4.06	5.56	3.01	0.92	0.92	3.01	1.36e-03
		30	3.85	1.19	-2.06	-0.42	-0.46	-1.62	-0.11	-1.27	-0.15	-1.22	0.21
		22	3.88	0.11	-1.31	-0.33	-0.86	0.66	0.16	-1.12	-0.09	-0.87	0.51
22	29	23	82.58	127.03	0.52	18.87	108.68	44.55	0.10	-0.66	-0.45	-0.10	-0.34
		31	79.61	123.33	2.56	18.79	107.10	-41.19	0.48	-0.15	0.28	0.05	0.30
		30	80.25	124.53	2.80	19.62	107.72	42.00	0.53	-0.11	0.31	0.11	-0.31
		22	81.92	126.89	1.86	19.35	109.40	-43.38	0.13	-0.64	-0.45	-0.05	0.33
22	30	23	9.72	4.88	-6.94	1.19	-3.25	5.48	2.14	0.61	0.63	2.13	-0.13
		31	12.37	9.16	-5.51	6.94	-3.29	5.26	3.01	0.92	0.92	3.01	3.51e-03
		30	3.97	1.37	-1.34	-0.28	0.31	-1.32	-0.11	-1.26	-0.15	-1.22	0.21
		22	3.32	0.21	-0.49	-0.19	-0.08	0.35	0.16	-1.12	-0.09	-0.87	0.51
22	31	23	81.99	126.14	0.53	18.74	107.93	44.23	0.10	-0.65	-0.45	-0.10	-0.33
		31	79.05	122.46	2.55	18.66	106.35	-40.89	0.48	-0.15	0.28	0.05	0.29
		30	79.68	123.65	2.80	19.49	106.96	41.70	0.53	-0.11	0.31	0.11	-0.30
		22	81.35	126.01	1.86	19.23	108.64	-43.07	0.13	-0.63	-0.45	-0.05	0.33
22	32	23	9.83	4.25	-7.27	1.04	-4.06	5.16	2.14	0.62	0.63	2.13	-0.13
		31	12.92	9.14	-6.41	6.80	-4.07	5.56	3.01	0.92	0.92	3.01	1.30e-03
		30	3.85	1.17	-2.07	-0.43	-0.48	-1.62	-0.11	-1.27	-0.15	-1.22	0.21
		22	3.90	0.10	-1.34	-0.35	-0.89	0.66	0.16	-1.12	-0.09	-0.87	0.51
22	33	23	82.59	127.05	0.53	18.88	108.71	44.55	0.10	-0.66	-0.45	-0.10	-0.34
		31	79.62	123.35	2.57	18.80	107.12	-41.19	0.48	-0.15	0.28	0.05	0.30
		30	80.25	124.54	2.82	19.63	107.73	42.00	0.53	-0.11	0.31	0.11	-0.31
		22	81.94	126.92	1.87	19.37	109.43	-43.38	0.13	-0.64	-0.45	-0.05	0.33
22	34	23	9.73	4.87	-6.97	1.18	-3.28	5.48	2.14	0.61	0.63	2.13	-0.13
		31	12.38	9.16	-5.53	6.93	-3.30	5.26	3.01	0.92	0.92	3.01	3.44e-03
		30	3.96	1.36	-1.35	-0.29	0.30	-1.32	-0.11	-1.26	-0.15	-1.22	0.21
		22	3.33	0.20	-0.51	-0.21	-0.11	0.35	0.16	-1.12	-0.09	-0.87	0.51
22	35	23	81.99	126.14	0.53	18.74	107.93	44.23	0.10	-0.65	-0.45	-0.10	-0.33
		31	79.05	122.46	2.55	18.66	106.35	-40.89	0.48	-0.15	0.28	0.05	0.29
		30	79.68	123.65	2.80	19.49	106.96	41.70	0.53	-0.11	0.31	0.11	-0.30
		22	81.35	126.01	1.86	19.23	108.64	-43.07	0.13	-0.63	-0.45	-0.05	0.33
22	36	23	9.83	4.25	-7.27	1.04	-4.06	5.16	2.14	0.62	0.63	2.13	-0.13
		31	12.92	9.14	-6.41	6.80	-4.07	5.56	3.01	0.92	0.92	3.01	1.30e-03
		30	3.85	1.17	-2.07	-0.43	-0.48	-1.62	-0.11	-1.27	-0.15	-1.22	0.21
		22	3.90	0.10	-1.34	-0.35	-0.89	0.66	0.16	-1.12	-0.09	-0.87	0.51
22	37	23	82.59	127.05	0.53	18.88	108.71	44.55	0.10	-0.66	-0.45	-0.10	-0.34
		31	79.62	123.35	2.57	18.80	107.12	-41.19	0.48	-0.15	0.28	0.05	0.30
		30	80.25	124.54	2.82	19.63	107.73	42.00	0.53	-0.11	0.31	0.11	-0.31
		22	81.94	126.92	1.87	19.37	109.43	-43.38	0.13	-0.64	-0.45	-0.05	0.33
22	38	23	9.73	4.87	-6.97	1.18	-3.28	5.48	2.14	0.61	0.63	2.13	-0.13
		31	12.38	9.16	-5.53	6.93	-3.30	5.26	3.01	0.92	0.92	3.01	3.45e-03
		30	3.96	1.36	-1.35	-0.29	0.30	-1.32	-0.11	-1.26	-0.15	-1.22	0.21
		22	3.33	0.20	-0.51	-0.21	-0.11	0.35	0.16	-1.12	-0.09	-0.87	0.51
22	39	23	0.32	0.06	-0.44	-0.11	-0.27	0.24	8.66e-04	-6.38e-03	-3.00e-03	-2.52e-03	3.62e-03
		31	0.28	-0.02	-0.42	-0.18	-0.26	0.20	1.98e-03	-4.04e-03	-9.20e-04	-1.14e-03	-3.01e-03
		30	0.30	0.33	-0.18	0.05	0.10	0.25	3.45e-06	-7.79e-03	-6.03e-03	-1.75e-03	3.26e-03
		22	0.43	0.45	-0.29	0.05	0.11	0.37	5.87e-03	-1.30e-03	3.12e-03	1.45e-03	-3.49e-03
22	40	23	0.32	0.04	-0.45	-0.12	-0.29	0.23	1.03e-03	-6.15e-03	-2.69e-03	-2.44e-03	3.59e-03
		31	0.27	-0.04	-0.43	-0.19	-0.27	0.19	2.21e-03	-3.87e-03	-6.11e-04	-1.05e-03	-3.03e-03
		30	0.29	0.31	-0.18	0.04	0.09	0.24	1.67e-04	-7.49e-03	-5.66e-03	-1.66e-03	3.27e-03
		22	0.42	0.43	-0.29	0.04	0.10	0.36	6.14e-03	-1.12e-03	3.49e-03	1.54e-03	-3.50e-03
22	41	23	0.32	0.06	-0.44	-0.11	-0.27	0.24	8.50e-04	-6.39e-03	-3.00e-03	-2.53e-03	3.61e-03
		31	0.28	-0.02	-0.42	-0.18	-0.26	0.20	1.98e-03	-4.05e-03	-9.25e-04	-1.15e-03	-3.01e-03
		30	0.30	0.33	-0.18	0.05	0.10	0.25	-3.08e-06	-7.80e-03	-6.04e-03	-1.76e-03	3.26e-03
		22	0.43	0.45	-0.29	0.05	0.11	0.37	5.87e-03	-1.31e-03	3.11e-03	1.44e-03	-3.49e-03
22	42	23	0.32	0.04	-0.45	-0.12	-0.29	0.23	1.01e-03	-6.15e-03	-2.69e-03	-2.45e-03	3.58e-03
		31	0.27	-0.04	-0.43	-0.19	-0.27	0.19	2.21e-03	-3.88e-03	-6.16e-04	-1.06e-03	-3.04e-03
		30	0.29	0.31	-0.18	0.04	0.09	0.24	1.61e-04	-7.50e-03	-5.66e-03	-1.67e-03	3.27e-03
		22	0.42	0.43	-0.29	0.04	0.10	0.36	6.14e-03	-1.13e-03	3.48e-03	1.52e-03	-3.50e-03
22	43	23	0.32	0.06	-0.44	-0.11	-0.27	0.24	8.52e-04	-6.42e-03	-3.04e-03	-2.52e-03	3.62e-03
		31	0.28	-0.02	-0.42	-0.18	-0.26	0.20	1.95e-03	-4.06e-03	-9.69e-04	-1.14e-03	-3.00e-03
		30	0.30	0.33	-0.18	0.05	0.10	0.25	-5.22e-06	-7.82e-03	-6.07e-03	-1.75e-03	3.26e-03
		22	0.43	0.45	-0.28	0.06	0.12	0.37	5.84e-03	-1.31e-03	3.53e-03	1.45e-03	-3.49e-03
22	44	23	0.32	0.04	-0.45	-0.12	-0.29	0.23	1.04e-03	-6.12e-03	-2.64e-03	-2.44e-03	3.58e-03
		31	0.27	-0.04	-0.43	-0.19	-0.27	0.19	2.25e-03	-3.85e-03	-5.61e-04	-1.05e-03	-3.04e-03
		30	0.29	0.31	-0.18	0.04	0.09	0.24	1.76e-04	-7.46e-03	-5.62e-03	-1.66e-03	3.27e-03
		22	0.42	0.43	-0.29	0.04	0.10	0.36	6.17e-03	-1.11e-03	3.50e-03	1.53e-03	-3.50e-03
22	45	23	0.32	0.06	-0.44	-0.11	-0.27	0.24	8.36e-04	-6.42e-03	-3.05e-03	-2.53e-03	3.62e-03
		31	0.28	-0.02	-0.42	-0.18	-0.26	0.20	1.95e-03	-4.07e-03	-9.75e-04	-1.15e-03	-3.01e-03
		30	0.30	0.33	-0.18	0.05	0.10	0.25	-1.18e-05	-7.83e-03	-6.08e-03	-1.76e-03	3.26e-03
		22	0.43	0.45	-0.28	0.05	0.12	0.37	5.84e-03	-1.32e-03	3.07e-03	1.44e-03	-3.49e-03
22	46	23	0.32	0.04	-0.45	-0.12	-0.29	0.23	1.02e-03	-6.12e-03	-2.65e-03	-2.45e-03	3.57e-03
		31	0.27	-0.04	-0.43	-0.19	-0.27	0.19	2.24e-03	-3.87e-03	-5.66e-04	-1.06e-03	-3.04e-03

		30	0.29	0.31	-0.18	0.04	0.09	0.24	1.70e-04	-7.47e-03	-5.62e-03	-1.67e-03	3.27e-03
		22	0.42	0.43	-0.29	0.04	0.10	0.36	6.17e-03	-1.12e-03	3.52e-03	1.52e-03	-3.51e-03
22	47	23	0.32	0.06	-0.44	-0.11	-0.27	0.24	8.61e-04	-6.38e-03	-3.00e-03	-2.52e-03	3.61e-03
		31	0.28	-0.02	-0.42	-0.18	-0.26	0.20	1.99e-03	-4.04e-03	-9.20e-04	-1.14e-03	-3.01e-03
		30	0.30	0.33	-0.18	0.05	0.10	0.25	4.44e-06	-7.79e-03	-6.03e-03	-1.75e-03	3.26e-03
		22	0.43	0.45	-0.29	0.05	0.11	0.37	5.87e-03	-1.30e-03	3.12e-03	1.45e-03	-3.49e-03
22	48	23	0.32	0.04	-0.45	-0.12	-0.29	0.23	1.02e-03	-6.14e-03	-2.69e-03	-2.44e-03	3.58e-03
		31	0.27	-0.04	-0.43	-0.19	-0.27	0.19	2.22e-03	-3.87e-03	-6.11e-04	-1.05e-03	-3.04e-03
		30	0.29	0.31	-0.18	0.04	0.09	0.24	1.68e-04	-7.49e-03	-5.66e-03	-1.66e-03	3.27e-03
		22	0.42	0.43	-0.29	0.04	0.10	0.36	6.15e-03	-1.12e-03	3.49e-03	1.54e-03	-3.50e-03
22	49	23	0.32	0.06	-0.44	-0.11	-0.27	0.24	8.56e-04	-6.39e-03	-3.00e-03	-2.53e-03	3.62e-03
		31	0.28	-0.02	-0.42	-0.18	-0.26	0.20	1.98e-03	-4.05e-03	-9.25e-04	-1.15e-03	-3.01e-03
		30	0.30	0.33	-0.18	0.05	0.10	0.25	-4.07e-06	-7.79e-03	-6.04e-03	-1.76e-03	3.26e-03
		22	0.43	0.45	-0.29	0.05	0.11	0.37	5.86e-03	-1.31e-03	3.11e-03	1.44e-03	-3.49e-03
22	50	23	0.32	0.04	-0.45	-0.12	-0.29	0.23	1.01e-03	-6.16e-03	-2.69e-03	-2.45e-03	3.59e-03
		31	0.27	-0.04	-0.43	-0.19	-0.27	0.19	2.20e-03	-3.88e-03	-6.16e-04	-1.06e-03	-3.03e-03
		30	0.29	0.31	-0.18	0.04	0.09	0.24	1.60e-04	-7.50e-03	-5.66e-03	-1.67e-03	3.27e-03
		22	0.42	0.43	-0.29	0.04	0.10	0.36	6.14e-03	-1.13e-03	3.48e-03	1.52e-03	-3.50e-03
22	51	23	0.32	0.06	-0.44	-0.11	-0.27	0.24	8.46e-04	-6.41e-03	-3.04e-03	-2.52e-03	3.62e-03
		31	0.28	-0.02	-0.42	-0.18	-0.26	0.20	1.96e-03	-4.06e-03	-9.70e-04	-1.14e-03	-3.01e-03
		30	0.30	0.33	-0.18	0.05	0.10	0.25	-4.23e-06	-7.82e-03	-6.07e-03	-1.75e-03	3.26e-03
		22	0.43	0.45	-0.28	0.06	0.12	0.37	5.85e-03	-1.32e-03	3.08e-03	1.45e-03	-3.49e-03
22	52	23	0.32	0.04	-0.45	-0.12	-0.29	0.23	1.04e-03	-6.11e-03	-2.64e-03	-2.44e-03	3.57e-03
		31	0.27	-0.04	-0.43	-0.19	-0.27	0.19	2.25e-03	-3.86e-03	-5.61e-04	-1.05e-03	-3.04e-03
		30	0.29	0.31	-0.18	0.04	0.09	0.24	1.77e-04	-7.46e-03	-5.62e-03	-1.66e-03	3.27e-03
		22	0.42	0.43	-0.29	0.04	0.10	0.36	6.17e-03	-1.11e-03	3.53e-03	1.53e-03	-3.51e-03
22	53	23	0.32	0.06	-0.44	-0.11	-0.27	0.24	8.41e-04	-6.43e-03	-3.05e-03	-2.53e-03	3.62e-03
		31	0.28	-0.02	-0.42	-0.18	-0.26	0.20	1.94e-03	-4.07e-03	-9.75e-04	-1.15e-03	-3.00e-03
		30	0.30	0.33	-0.18	0.05	0.10	0.25	-1.28e-05	-7.83e-03	-6.08e-03	-1.76e-03	3.26e-03
		22	0.43	0.45	-0.28	0.05	0.12	0.37	5.84e-03	-1.32e-03	3.07e-03	1.44e-03	-3.49e-03
22	54	23	0.32	0.04	-0.45	-0.12	-0.29	0.23	1.03e-03	-6.13e-03	-2.65e-03	-2.45e-03	3.58e-03
		31	0.27	-0.04	-0.43	-0.19	-0.27	0.19	2.24e-03	-3.86e-03	-5.66e-04	-1.06e-03	-3.04e-03
		30	0.29	0.31	-0.18	0.04	0.09	0.24	1.69e-04	-7.46e-03	-5.62e-03	-1.67e-03	3.27e-03
		22	0.42	0.43	-0.29	0.04	0.10	0.36	6.17e-03	-1.12e-03	3.52e-03	1.52e-03	-3.50e-03
22	55	23	0.33	0.08	-0.44	-0.10	-0.26	0.25	6.80e-04	-6.66e-03	-3.36e-03	-2.62e-03	3.65e-03
		31	0.28	1.35e-03	-0.42	-0.18	-0.25	0.21	1.72e-03	-4.25e-03	-1.28e-03	-1.24e-03	-2.98e-03
		30	0.31	0.35	-0.18	0.06	0.11	0.26	-1.85e-04	-8.15e-03	-6.47e-03	-1.86e-03	3.25e-03
		22	0.44	0.48	-0.28	0.06	0.13	0.38	5.56e-03	-1.52e-03	2.68e-03	1.35e-03	-3.47e-03
22	56	23	0.31	0.02	-0.45	-0.13	-0.30	0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.35e-03	3.55e-03
		31	0.27	-0.06	-0.43	-0.20	-0.29	0.18	2.48e-03	-3.68e-03	-2.52e-04	-9.49e-04	-3.06e-03
		30	0.28	0.28	-0.18	0.03	0.07	0.23	3.61e-04	-7.15e-03	-5.23e-03	-1.56e-03	3.28e-03
		22	0.41	0.41	-0.29	0.03	0.08	0.35	6.47e-03	-9.24e-04	3.92e-03	1.63e-03	-3.52e-03
22	57	23	0.33	0.08	-0.44	-0.10	-0.26	0.25	6.75e-04	-6.66e-03	-3.36e-03	-2.63e-03	3.65e-03
		31	0.28	1.30e-03	-0.42	-0.18	-0.25	0.21	1.72e-03	-4.25e-03	-1.28e-03	-1.25e-03	-2.99e-03
		30	0.31	0.35	-0.18	0.06	0.11	0.26	-1.87e-04	-8.15e-03	-6.47e-03	-1.86e-03	3.25e-03
		22	0.44	0.48	-0.28	0.06	0.13	0.38	5.55e-03	-1.52e-03	2.68e-03	1.35e-03	-3.48e-03
22	58	23	0.31	0.02	-0.45	-0.13	-0.30	0.22	1.20e-03	-5.89e-03	-2.33e-03	-2.35e-03	3.55e-03
		31	0.27	-0.06	-0.43	-0.20	-0.29	0.18	2.48e-03	-3.69e-03	-2.54e-04	-9.52e-04	-3.06e-03
		30	0.28	0.28	-0.18	0.03	0.07	0.23	3.59e-04	-7.15e-03	-5.23e-03	-1.56e-03	3.28e-03
		22	0.41	0.41	-0.29	0.03	0.08	0.35	6.47e-03	-9.27e-04	3.92e-03	1.63e-03	-3.52e-03
22	59	23	0.33	0.08	-0.44	-0.10	-0.26	0.25	6.78e-04	-6.66e-03	-3.36e-03	-2.62e-03	3.65e-03
		31	0.28	1.34e-03	-0.42	-0.18	-0.25	0.21	1.72e-03	-4.25e-03	-1.28e-03	-1.24e-03	-2.99e-03
		30	0.31	0.35	-0.18	0.06	0.11	0.26	-1.85e-04	-8.15e-03	-6.47e-03	-1.86e-03	3.25e-03
		22	0.44	0.48	-0.28	0.06	0.13	0.38	5.56e-03	-1.52e-03	2.68e-03	1.35e-03	-3.48e-03
22	60	23	0.31	0.02	-0.45	-0.13	-0.30	0.22	1.21e-03	-5.88e-03	-2.33e-03	-2.34e-03	3.55e-03
		31	0.27	-0.06	-0.43	-0.20	-0.29	0.18	2.48e-03	-3.68e-03	-2.52e-04	-9.49e-04	-3.06e-03
		30	0.28	0.28	-0.18	0.03	0.07	0.23	3.61e-04	-7.15e-03	-5.23e-03	-1.56e-03	3.28e-03
		22	0.41	0.41	-0.29	0.03	0.08	0.35	6.47e-03	-9.24e-04	3.92e-03	1.63e-03	-3.52e-03
22	61	23	0.33	0.08	-0.44	-0.10	-0.26	0.25	6.76e-04	-6.66e-03	-3.36e-03	-2.63e-03	3.65e-03
		31	0.28	1.30e-03	-0.42	-0.18	-0.25	0.21	1.72e-03	-4.25e-03	-1.28e-03	-1.25e-03	-2.98e-03
		30	0.31	0.35	-0.18	0.06	0.11	0.26	-1.87e-04	-8.15e-03	-6.47e-03	-1.87e-03	3.25e-03
		22	0.44	0.48	-0.28	0.06	0.13	0.38	5.55e-03	-1.52e-03	2.68e-03	1.35e-03	-3.47e-03
22	62	23	0.31	0.02	-0.45	-0.13	-0.30	0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.35e-03	3.55e-03
		31	0.27	-0.06	-0.43	-0.20	-0.29	0.18	2.48e-03	-3.69e-03	-2.54e-04	-9.52e-04	-3.06e-03
		30	0.28	0.28	-0.18	0.03	0.07	0.23	3.59e-04	-7.15e-03	-5.23e-03	-1.56e-03	3.28e-03
		22	0.41	0.41	-0.29	0.03	0.08	0.35	6.47e-03	-9.27e-04	3.92e-03	1.63e-03	-3.52e-03
22	63	23	0.33	0.09	-0.43	-0.10	-0.25	0.25	6.34e-04	-6.77e-03	-3.52e-03	-2.62e-03	3.68e-03
		31	0.28	4.15e-03	-0.42	-0.17	-0.24	0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	-2.96e-03
		30	0.31	0.35	-0.17	0.06	0.12	0.26	-2.11e-04	-8.25e-03	-6.60e-03	-1.86e-03	3.25e-03
		22	0.44	0.48	-0.27	0.07	0.14	0.38	5.47e-03	-1.56e-03	2.55e-03	1.36e-03	-3.47e-03
22	64	23	0.32	0.02	-0.46	-0.13	-0.31	0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.35e-03	3.52e-03
		31	0.27	-0.06	-0.43	-0.20	-0.29	0.18	2.60e-03	-3.63e-03	-8.59e-05	-9.49e-04	-3.08e-03
		30	0.28	0.28	-0.19	0.02	0.07	0.23	3.95e-04	-7.05e-03	-5.09e-03	-1.56e-03	3.28e-03
		22	0.41	0.40	-0.30	0.03	0.07	0.35	6.56e-03	-8.90e-04	4.05e-03	1.62e-03	-3.52e-03
22	65	23	0.33	0.09	-0.43	-0.10	-0.25	0.25	6.29e-04	-6.78e-03	-3.52e-03	-2.63e-03	3.68e-03
		31	0.28	4.10e-03	-0.42	-0.17	-0.24	0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	-2.96e-03
		30	0.31	0.35	-0.17	0.06	0.12	0.26	-2.13e-04	-8.26e-03	-6.61e-03	-1.86e-03	3.25e-03

		22	0.44	0.48	-0.27	0.07	0.14	0.38	5.47e-03	-1.57e-03	2.55e-03	1.35e-03	-3.47e-03
22	66	23	0.32	0.02	-0.46	-0.13	-0.31	0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.35e-03	3.52e-03
		31	0.27	-0.06	-0.43	-0.20	-0.29	0.18	2.60e-03	-3.64e-03	-8.75e-05	-9.52e-04	-3.09e-03
		30	0.28	0.28	-0.19	0.02	0.07	0.23	3.93e-04	-7.05e-03	-5.09e-03	-1.57e-03	3.28e-03
		22	0.41	0.40	-0.30	0.03	0.07	0.35	6.56e-03	-8.94e-04	4.05e-03	1.62e-03	-3.52e-03
22	67	23	0.33	0.09	-0.43	-0.10	-0.25	0.25	6.32e-04	-6.77e-03	-3.52e-03	-2.62e-03	3.68e-03
		31	0.28	4.15e-03	-0.42	-0.17	-0.24	0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	-2.96e-03
		30	0.31	0.35	-0.17	0.06	0.12	0.26	-2.11e-04	-8.25e-03	-6.61e-03	-1.86e-03	3.25e-03
		22	0.44	0.48	-0.27	0.07	0.14	0.38	5.47e-03	-1.56e-03	2.55e-03	1.36e-03	-3.47e-03
22	68	23	0.32	0.02	-0.46	-0.13	-0.31	0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.35e-03	3.52e-03
		31	0.27	-0.06	-0.43	-0.20	-0.29	0.18	2.60e-03	-3.63e-03	-8.59e-05	-9.49e-04	-3.09e-03
		30	0.28	0.28	-0.19	0.02	0.07	0.23	3.95e-04	-7.05e-03	-5.09e-03	-1.56e-03	3.28e-03
		22	0.41	0.40	-0.30	0.03	0.07	0.35	6.56e-03	-8.91e-04	4.05e-03	1.62e-03	-3.52e-03
22	69	23	0.33	0.09	-0.43	-0.10	-0.25	0.25	6.31e-04	-6.78e-03	-3.52e-03	-2.63e-03	3.68e-03
		31	0.28	4.11e-03	-0.42	-0.17	-0.24	0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	-2.96e-03
		30	0.31	0.35	-0.17	0.06	0.12	0.26	-2.14e-04	-8.26e-03	-6.61e-03	-1.86e-03	3.25e-03
		22	0.44	0.48	-0.27	0.07	0.14	0.38	5.47e-03	-1.57e-03	2.55e-03	1.35e-03	-3.47e-03
22	70	23	0.32	0.02	-0.46	-0.13	-0.31	0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.35e-03	3.52e-03
		31	0.27	-0.06	-0.43	-0.20	-0.29	0.18	2.59e-03	-3.63e-03	-8.74e-05	-9.52e-04	-3.08e-03
		30	0.28	0.28	-0.19	0.02	0.07	0.23	3.92e-04	-7.05e-03	-5.09e-03	-1.57e-03	3.28e-03
		22	0.41	0.40	-0.30	0.03	0.07	0.35	6.56e-03	-8.93e-04	4.05e-03	1.62e-03	-3.52e-03
22	71	23	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		31	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
22	72	23	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		31	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
22	73	23	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		31	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
22	74	23	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		31	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
22	75	23	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		31	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
22	76	23	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		31	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		30	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		22	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
23	1	24	0.23	-0.13	-0.38	-0.14	-0.38	-0.04	0.01	-0.01	-7.20e-04	2.52e-04	0.01
		32	0.22	-0.26	-0.38	-0.27	-0.36	0.04	7.03e-03	-0.01	-6.94e-03	1.63e-04	-9.79e-03
		31	0.29	0.02	-0.37	-0.17	-0.17	0.19	2.52e-03	-0.02	-0.01	-4.93e-03	0.01
		23	0.45	0.24	-0.47	-0.06	-0.17	0.35	0.01	-9.08e-03	2.89e-03	-6.79e-04	-0.01
23	2	24	0.23	-0.13	-0.38	-0.14	-0.38	-0.04	0.01	-0.01	-7.20e-04	2.52e-04	0.01
		32	0.22	-0.26	-0.38	-0.27	-0.36	0.04	7.03e-03	-0.01	-6.94e-03	1.63e-04	-9.79e-03
		31	0.29	0.02	-0.37	-0.17	-0.17	0.19	2.52e-03	-0.02	-0.01	-4.93e-03	0.01
		23	0.45	0.24	-0.47	-0.06	-0.17	0.35	0.01	-9.08e-03	2.89e-03	-6.79e-04	-0.01
23	3	24	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		31	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		23	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
23	4	24	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		31	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		23	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
23	5	24	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		31	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		23	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
23	6	24	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		31	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		23	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
23	7	24	21.15	32.57	0.12	4.78	27.91	11.38	0.01	-0.16	-0.12	-0.03	-0.07
		32	20.58	31.76	0.36	4.61	27.51	-10.74	0.11	-0.04	0.06	4.95e-03	0.07
		31	20.86	32.18	0.37	4.83	27.72	11.05	0.11	-0.04	0.07	9.88e-03	-0.07
		23	20.94	32.50	0.57	4.92	28.15	-10.96	0.01	-0.16	-0.12	-0.02	0.07
23	8	24	7.40	-3.32	-9.50	-3.72	-9.11	-1.52	-0.12	-0.92	-0.12	-0.92	-3.42e-03
		32	8.22	-4.63	-11.16	-7.32	-8.47	3.21	-0.47	-1.30	-0.50	-1.27	-0.14
		31	6.60	2.12	-6.01	2.11	-6.00	-0.35	0.95	0.26	0.26	0.94	-0.05
		23	9.90	4.61	-9.72	0.47	-5.58	6.50	0.79	5.36e-03	0.09	0.70	-0.24

23	9	24	23.11	35.60	0.14	5.23	30.51	12.43	0.01	-0.18	-0.13	-0.03	-0.08
		32	22.50	34.71	0.41	5.05	30.07	-11.73	0.12	-0.05	0.07	5.34e-03	0.08
		31	22.77	35.15	0.43	5.29	30.29	12.05	0.13	-0.04	0.07	0.01	-0.08
		23	22.90	35.53	0.61	5.38	30.76	-11.99	0.02	-0.17	-0.13	-0.03	0.08
23	10	24	5.71	-3.20	-6.57	-3.27	-6.51	-0.47	-0.14	-0.92	-0.14	-0.92	-0.01
		32	6.71	-4.13	-8.66	-6.87	-5.91	2.22	-0.47	-1.29	-0.49	-1.27	-0.13
		31	5.22	2.63	-3.50	2.56	-3.43	0.65	0.95	0.27	0.27	0.94	-0.06
		23	8.10	4.78	-6.82	0.92	-2.97	5.46	0.78	-5.34e-04	0.08	0.70	-0.23
23	11	24	21.15	32.57	0.12	4.78	27.91	11.38	0.01	-0.16	-0.12	-0.03	-0.07
		32	20.59	31.76	0.36	4.61	27.51	-10.74	0.11	-0.04	0.06	4.97e-03	0.07
		31	20.85	32.18	0.37	4.83	27.72	11.04	0.11	-0.04	0.07	9.90e-03	-0.07
		23	20.94	32.51	0.57	4.93	28.16	-10.96	0.01	-0.16	-0.12	-0.02	0.07
23	12	24	7.40	-3.32	-9.51	-3.72	-9.11	-1.51	-0.12	-0.92	-0.12	-0.92	-3.43e-03
		32	8.23	-4.63	-11.16	-7.32	-8.47	3.21	-0.47	-1.30	-0.50	-1.27	-0.14
		31	6.60	2.12	-6.02	2.10	-6.00	-0.35	0.95	0.26	0.26	0.94	-0.05
		23	9.90	4.61	-9.73	0.47	-5.58	6.50	0.79	5.37e-03	0.09	0.70	-0.24
23	13	24	23.11	35.60	0.15	5.23	30.51	12.43	0.01	-0.18	-0.13	-0.03	-0.08
		32	22.50	34.71	0.41	5.05	30.07	-11.73	0.12	-0.05	0.07	5.37e-03	0.08
		31	22.77	35.15	0.43	5.29	30.29	12.05	0.13	-0.04	0.07	0.01	-0.08
		23	22.90	35.54	0.61	5.38	30.76	-12.00	0.02	-0.17	-0.13	-0.03	0.08
23	14	24	5.71	-3.20	-6.58	-3.27	-6.51	-0.46	-0.14	-0.92	-0.14	-0.92	-0.01
		32	6.71	-4.12	-8.66	-6.87	-5.91	2.22	-0.47	-1.29	-0.49	-1.27	-0.13
		31	5.22	2.63	-3.50	2.56	-3.43	0.65	0.95	0.27	0.27	0.94	-0.06
		23	8.10	4.78	-6.83	0.92	-2.98	5.47	0.78	-5.23e-04	0.08	0.70	-0.23
23	15	24	21.15	32.57	0.12	4.78	27.91	11.38	0.01	-0.16	-0.12	-0.03	-0.07
		32	20.59	31.76	0.36	4.61	27.51	-10.74	0.11	-0.04	0.06	4.94e-03	0.07
		31	20.86	32.18	0.37	4.83	27.72	11.05	0.11	-0.04	0.07	9.88e-03	-0.07
		23	20.94	32.50	0.57	4.92	28.15	-10.96	0.01	-0.16	-0.12	-0.02	0.07
23	16	24	7.40	-3.32	-9.50	-3.72	-9.11	-1.52	-0.12	-0.92	-0.12	-0.92	-3.43e-03
		32	8.22	-4.63	-11.16	-7.32	-8.47	3.21	-0.47	-1.30	-0.50	-1.27	-0.14
		31	6.60	2.12	-6.01	2.11	-6.00	-0.35	0.95	0.26	0.26	0.94	-0.05
		23	9.90	4.61	-9.72	0.47	-5.58	6.50	0.79	5.36e-03	0.09	0.70	-0.24
23	17	24	23.11	35.60	0.14	5.23	30.51	12.43	0.01	-0.18	-0.13	-0.03	-0.08
		32	22.50	34.71	0.41	5.05	30.07	-11.73	0.12	-0.05	0.07	5.34e-03	0.08
		31	22.77	35.15	0.43	5.29	30.29	12.05	0.13	-0.04	0.07	0.01	-0.08
		23	22.90	35.53	0.61	5.38	30.76	-11.99	0.02	-0.17	-0.13	-0.03	0.08
23	18	24	5.71	-3.20	-6.57	-3.27	-6.51	-0.47	-0.14	-0.92	-0.14	-0.92	-0.01
		32	6.71	-4.13	-8.66	-6.87	-5.91	2.22	-0.47	-1.29	-0.49	-1.27	-0.13
		31	5.22	2.63	-3.50	2.56	-3.43	0.65	0.95	0.27	0.27	0.94	-0.06
		23	8.10	4.78	-6.82	0.92	-2.97	5.46	0.78	-5.31e-04	0.08	0.70	-0.23
23	19	24	21.15	32.57	0.12	4.78	27.91	11.38	0.01	-0.16	-0.12	-0.03	-0.07
		32	20.59	31.76	0.36	4.61	27.51	-10.74	0.11	-0.04	0.06	4.97e-03	0.07
		31	20.85	32.18	0.37	4.83	27.72	11.04	0.11	-0.04	0.07	9.90e-03	-0.07
		23	20.94	32.51	0.57	4.93	28.16	-10.96	0.01	-0.16	-0.12	-0.02	0.07
23	20	24	7.40	-3.32	-9.51	-3.72	-9.11	-1.51	-0.12	-0.92	-0.12	-0.92	-3.45e-03
		32	8.23	-4.63	-11.16	-7.32	-8.47	3.21	-0.47	-1.30	-0.50	-1.27	-0.14
		31	6.60	2.12	-6.02	2.10	-6.00	-0.35	0.95	0.26	0.26	0.94	-0.05
		23	9.90	4.61	-9.73	0.47	-5.58	6.50	0.79	5.37e-03	0.09	0.70	-0.24
23	21	24	23.11	35.60	0.15	5.23	30.51	12.43	0.01	-0.18	-0.13	-0.03	-0.08
		32	22.50	34.71	0.41	5.05	30.07	-11.73	0.12	-0.05	0.07	5.37e-03	0.08
		31	22.77	35.15	0.43	5.29	30.29	12.05	0.13	-0.04	0.07	0.01	-0.08
		23	22.90	35.54	0.61	5.38	30.76	-12.00	0.02	-0.17	-0.13	-0.03	0.08
23	22	24	5.71	-3.20	-6.58	-3.27	-6.51	-0.46	-0.14	-0.92	-0.14	-0.92	-0.01
		32	6.71	-4.12	-8.66	-6.87	-5.91	2.22	-0.47	-1.29	-0.49	-1.27	-0.13
		31	5.22	2.63	-3.50	2.56	-3.43	0.65	0.95	0.27	0.27	0.94	-0.06
		23	8.10	4.78	-6.83	0.92	-2.98	5.47	0.78	-5.19e-04	0.08	0.70	-0.23
23	23	24	81.32	125.30	0.78	18.57	107.51	43.57	0.06	-0.64	-0.46	-0.12	-0.31
		32	79.11	122.22	1.94	18.21	105.94	-41.14	0.45	-0.17	0.25	0.02	0.29
		31	79.61	123.09	2.08	18.84	106.33	41.79	0.48	-0.15	0.28	0.05	-0.29
		23	80.79	125.13	1.80	18.94	107.98	-42.66	0.07	-0.63	-0.47	-0.09	0.30
23	24	24	15.58	-9.70	-15.94	-9.76	-15.89	0.58	-0.47	-3.07	-0.47	-3.07	-0.07
		32	19.29	-11.22	-24.31	-21.54	-14.00	5.35	-1.55	-4.30	-1.61	-4.24	-0.41
		31	15.11	10.62	-6.92	9.75	-6.06	3.80	3.18	0.91	0.94	3.15	-0.22
		23	22.81	15.92	-16.28	4.09	-4.45	15.52	2.57	-7.86e-03	0.22	2.34	-0.74
23	25	24	81.91	126.20	0.79	18.71	108.29	43.89	0.06	-0.64	-0.46	-0.12	-0.31
		32	79.68	123.11	1.95	18.35	106.71	-41.44	0.45	-0.17	0.26	0.02	0.29
		31	80.18	123.98	2.10	18.97	107.10	42.09	0.48	-0.15	0.28	0.05	-0.30
		23	81.38	126.03	1.81	19.08	108.77	-42.98	0.07	-0.64	-0.47	-0.09	0.30
23	26	24	15.15	-9.48	-15.25	-9.62	-15.11	0.90	-0.47	-3.07	-0.48	-3.07	-0.07
		32	18.91	-10.82	-23.82	-21.41	-13.23	5.05	-1.55	-4.30	-1.61	-4.24	-0.40
		31	14.84	10.93	-6.32	9.89	-5.29	4.10	3.18	0.92	0.94	3.15	-0.23
		23	22.30	16.00	-15.44	4.23	-3.67	15.21	2.57	-9.73e-03	0.22	2.34	-0.74
23	27	24	81.32	125.30	0.78	18.57	107.51	43.57	0.06	-0.64	-0.46	-0.12	-0.31
		32	79.11	122.22	1.94	18.21	105.94	-41.14	0.45	-0.17	0.25	0.02	0.29
		31	79.61	123.09	2.08	18.84	106.33	41.79	0.48	-0.15	0.28	0.05	-0.29
		23	80.79	125.13	1.80	18.94	107.98	-42.66	0.07	-0.63	-0.47	-0.09	0.30
23	28	24	15.58	-9.70	-15.94	-9.76	-15.89	0.58	-0.47	-3.07	-0.47	-3.07	-0.07

		32	19.29	-11.22	-24.31	-21.54	-14.00	5.35	-1.55	-4.30	-1.61	-4.24	-0.41
		31	15.11	10.62	-6.92	9.75	-6.06	3.80	3.18	0.91	0.94	3.15	-0.22
		23	22.81	15.92	-16.28	4.09	-4.45	15.52	2.57	-7.86e-03	0.22	2.34	-0.74
23	29	24	81.91	126.20	0.79	18.71	108.29	43.89	0.06	-0.64	-0.46	-0.12	-0.31
		32	79.68	123.11	1.95	18.35	106.71	-41.44	0.45	-0.17	0.26	0.02	0.29
		31	80.18	123.98	2.10	18.97	107.10	42.09	0.48	-0.15	0.28	0.05	-0.30
		23	81.38	126.03	1.81	19.08	108.77	-42.98	0.07	-0.64	-0.47	-0.09	0.30
23	30	24	15.15	-9.48	-15.25	-9.62	-15.11	0.90	-0.47	-3.07	-0.48	-3.07	-0.07
		32	18.91	-10.82	-23.82	-21.41	-13.23	5.05	-1.55	-4.30	-1.61	-4.24	-0.40
		31	14.84	10.93	-6.32	9.89	-5.29	4.10	3.18	0.92	0.94	3.15	-0.23
		23	22.30	16.00	-15.44	4.23	-3.67	15.21	2.57	-9.72e-03	0.22	2.34	-0.74
23	31	24	81.32	125.30	0.79	18.57	107.52	43.56	0.06	-0.64	-0.46	-0.12	-0.31
		32	79.12	122.23	1.93	18.22	105.95	-41.15	0.45	-0.17	0.25	0.02	0.29
		31	79.60	123.09	2.10	18.84	106.34	41.78	0.48	-0.15	0.28	0.05	-0.29
		23	80.80	125.14	1.80	18.95	108.00	-42.67	0.07	-0.63	-0.47	-0.09	0.30
23	32	24	15.59	-9.70	-15.96	-9.76	-15.90	0.59	-0.47	-3.07	-0.47	-3.07	-0.07
		32	19.29	-11.22	-24.32	-21.54	-14.01	5.36	-1.55	-4.30	-1.61	-4.24	-0.41
		31	15.11	10.62	-6.93	9.75	-6.07	3.81	3.18	0.91	0.94	3.15	-0.22
		23	22.82	15.92	-16.30	4.08	-4.46	15.53	2.57	-7.82e-03	0.22	2.34	-0.74
23	33	24	81.90	126.21	0.80	18.71	108.30	43.88	0.06	-0.64	-0.46	-0.12	-0.31
		32	79.69	123.12	1.95	18.35	106.72	-41.45	0.45	-0.17	0.26	0.02	0.29
		31	80.18	123.98	2.11	18.98	107.11	42.08	0.48	-0.15	0.28	0.05	-0.30
		23	81.39	126.05	1.81	19.09	108.78	-42.99	0.07	-0.64	-0.47	-0.09	0.30
23	34	24	15.16	-9.48	-15.27	-9.62	-15.12	0.91	-0.47	-3.07	-0.47	-3.07	-0.07
		32	18.92	-10.82	-23.83	-21.41	-13.24	5.06	-1.55	-4.30	-1.61	-4.24	-0.40
		31	14.84	10.92	-6.34	9.88	-5.30	4.11	3.18	0.92	0.94	3.15	-0.23
		23	22.31	16.00	-15.46	4.22	-3.68	15.22	2.57	-9.69e-03	0.22	2.34	-0.74
23	35	24	81.32	125.30	0.79	18.57	107.52	43.56	0.06	-0.64	-0.46	-0.12	-0.31
		32	79.12	122.23	1.93	18.22	105.95	-41.15	0.45	-0.17	0.25	0.02	0.29
		31	79.60	123.09	2.10	18.84	106.34	41.78	0.48	-0.15	0.28	0.05	-0.29
		23	80.80	125.14	1.80	18.95	108.00	-42.67	0.07	-0.63	-0.47	-0.09	0.30
23	36	24	15.59	-9.70	-15.96	-9.76	-15.90	0.59	-0.47	-3.07	-0.47	-3.07	-0.07
		32	19.29	-11.22	-24.32	-21.54	-14.01	5.36	-1.55	-4.30	-1.61	-4.24	-0.41
		31	15.11	10.62	-6.93	9.75	-6.07	3.81	3.18	0.91	0.94	3.15	-0.22
		23	22.82	15.92	-16.30	4.08	-4.46	15.53	2.57	-7.82e-03	0.22	2.34	-0.74
23	37	24	81.90	126.21	0.80	18.71	108.30	43.88	0.06	-0.64	-0.46	-0.12	-0.31
		32	79.69	123.12	1.95	18.35	106.72	-41.45	0.45	-0.17	0.26	0.02	0.29
		31	80.18	123.98	2.11	18.98	107.11	42.08	0.48	-0.15	0.28	0.05	-0.30
		23	81.39	126.05	1.81	19.09	108.78	-42.99	0.07	-0.64	-0.47	-0.09	0.30
23	38	24	15.16	-9.48	-15.27	-9.62	-15.12	0.91	-0.47	-3.07	-0.47	-3.07	-0.07
		32	18.92	-10.82	-23.83	-21.41	-13.24	5.06	-1.55	-4.30	-1.61	-4.24	-0.40
		31	14.84	10.92	-6.34	9.88	-5.30	4.11	3.18	0.92	0.94	3.15	-0.23
		23	22.31	16.00	-15.46	4.22	-3.68	15.22	2.57	-9.68e-03	0.22	2.34	-0.74
23	39	24	0.17	-0.10	-0.29	-0.11	-0.29	-0.02	8.00e-03	-8.46e-03	-5.82e-04	1.21e-04	8.22e-03
		32	0.18	-0.19	-0.30	-0.21	-0.28	0.04	5.33e-03	-0.01	-5.37e-03	4.65e-05	-7.52e-03
		31	0.24	0.03	-0.29	-0.13	-0.13	0.16	1.86e-03	-0.02	-9.29e-03	-3.87e-03	7.99e-03
		23	0.36	0.20	-0.37	-0.04	-0.13	0.28	8.59e-03	-7.05e-03	2.13e-03	-5.92e-04	-7.70e-03
23	40	24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	8.09e-03	-8.31e-03	-5.19e-04	3.00e-04	8.19e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.50e-03	-0.01	-5.31e-03	2.29e-04	-7.55e-03
		31	0.22	1.84e-03	-0.27	-0.13	-0.14	0.14	2.03e-03	-0.01	-9.09e-03	-3.69e-03	7.97e-03
		23	0.33	0.17	-0.36	-0.05	-0.14	0.26	8.80e-03	-6.89e-03	2.33e-03	-4.19e-04	-7.72e-03
23	41	24	0.17	-0.10	-0.29	-0.11	-0.29	-0.02	7.97e-03	-8.47e-03	-5.89e-04	8.80e-05	8.22e-03
		32	0.18	-0.19	-0.30	-0.21	-0.28	0.04	5.31e-03	-0.01	-5.37e-03	2.21e-05	-7.51e-03
		31	0.24	0.03	-0.29	-0.13	-0.13	0.16	1.85e-03	-0.02	-9.29e-03	-3.89e-03	7.99e-03
		23	0.36	0.20	-0.37	-0.04	-0.13	0.28	8.58e-03	-7.08e-03	2.12e-03	-6.25e-04	-7.71e-03
23	42	24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	8.07e-03	-8.33e-03	-5.26e-04	2.66e-04	8.19e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.48e-03	-0.01	-5.31e-03	2.05e-04	-7.54e-03
		31	0.22	1.68e-03	-0.27	-0.14	-0.14	0.14	2.01e-03	-0.01	-9.09e-03	-3.71e-03	7.97e-03
		23	0.33	0.17	-0.36	-0.05	-0.14	0.26	8.78e-03	-6.91e-03	2.32e-03	-4.52e-04	-7.73e-03
23	43	24	0.17	-0.10	-0.29	-0.11	-0.29	-0.02	7.99e-03	-8.48e-03	-6.15e-04	1.22e-04	8.23e-03
		32	0.18	-0.19	-0.30	-0.21	-0.28	0.04	5.32e-03	-0.01	-5.40e-03	5.51e-05	-7.51e-03
		31	0.23	0.03	-0.29	-0.13	-0.13	0.16	1.87e-03	-0.02	-9.30e-03	-3.86e-03	7.99e-03
		23	0.36	0.20	-0.37	-0.04	-0.13	0.28	8.58e-03	-7.05e-03	2.12e-03	-5.93e-04	-7.70e-03
23	44	24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	8.10e-03	-8.29e-03	-4.86e-04	2.99e-04	8.19e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.51e-03	-0.01	-5.27e-03	2.21e-04	-7.55e-03
		31	0.22	2.12e-03	-0.28	-0.14	-0.14	0.14	2.02e-03	-0.01	-9.08e-03	-3.70e-03	7.97e-03
		23	0.34	0.17	-0.36	-0.05	-0.14	0.26	8.81e-03	-6.89e-03	2.33e-03	-4.19e-04	-7.73e-03
23	45	24	0.17	-0.10	-0.29	-0.11	-0.29	-0.02	7.96e-03	-8.50e-03	-6.22e-04	8.84e-05	8.22e-03
		32	0.18	-0.19	-0.30	-0.21	-0.28	0.04	5.30e-03	-0.01	-5.41e-03	3.07e-05	-7.51e-03
		31	0.23	0.03	-0.29	-0.13	-0.13	0.16	1.85e-03	-0.02	-9.30e-03	-3.88e-03	8.00e-03
		23	0.36	0.20	-0.37	-0.04	-0.13	0.28	8.56e-03	-7.07e-03	2.12e-03	-5.93e-04	-7.70e-03
23	46	24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	8.08e-03	-8.30e-03	-4.93e-04	2.66e-04	8.18e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.49e-03	-0.01	-5.28e-03	1.96e-04	-7.55e-03
		31	0.22	1.96e-03	-0.28	-0.14	-0.14	0.14	2.01e-03	-0.01	-9.08e-03	-3.72e-03	7.97e-03
		23	0.34	0.17	-0.36	-0.05	-0.14	0.26	8.80e-03	-6.92e-03	2.33e-03	-4.51e-04	-7.73e-03
23	47	24	0.17	-0.10	-0.29	-0.11	-0.29	-0.02	7.99e-03	-8.46e-03	-5.82e-04	1.21e-04	8.22e-03
		32	0.18	-0.19	-0.30	-0.21	-0.28	0.04	5.32e-03	-0.01	-5.37e-03	4.60e-05	-7.51e-03

		31	0.24	0.03	-0.29	-0.13	-0.13	0.16	1.86e-03	-0.02	-9.29e-03	-3.87e-03	7.99e-03
		23	0.36	0.20	-0.37	-0.04	-0.13	0.28	8.59e-03	-7.06e-03	2.13e-03	-5.93e-04	-7.71e-03
23	48	24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	8.09e-03	-8.31e-03	-5.20e-04	2.99e-04	8.19e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.50e-03	-0.01	-5.31e-03	2.29e-04	-7.54e-03
		31	0.22	1.83e-03	-0.27	-0.14	-0.14	0.14	2.03e-03	-0.01	-9.09e-03	-3.69e-03	7.97e-03
		23	0.33	0.17	-0.36	-0.05	-0.14	0.26	8.80e-03	-6.89e-03	2.33e-03	-4.20e-04	-7.73e-03
23	49	24	0.17	-0.10	-0.29	-0.11	-0.29	-0.02	7.98e-03	-8.48e-03	-5.88e-04	8.88e-05	8.22e-03
		32	0.18	-0.19	-0.30	-0.21	-0.28	0.04	5.31e-03	-0.01	-5.37e-03	2.26e-05	-7.52e-03
		31	0.24	0.03	-0.29	-0.13	-0.13	0.16	1.84e-03	-0.02	-9.29e-03	-3.89e-03	7.99e-03
		23	0.36	0.20	-0.37	-0.04	-0.13	0.28	8.57e-03	-7.07e-03	2.12e-03	-6.24e-04	-7.70e-03
23	50	24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	8.07e-03	-8.33e-03	-5.25e-04	2.67e-04	8.19e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.48e-03	-0.01	-5.31e-03	2.05e-04	-7.55e-03
		31	0.22	1.69e-03	-0.27	-0.14	-0.14	0.14	2.01e-03	-0.01	-9.09e-03	-3.71e-03	7.97e-03
		23	0.33	0.17	-0.36	-0.05	-0.14	0.26	8.78e-03	-6.91e-03	2.32e-03	-4.51e-04	-7.72e-03
23	51	24	0.17	-0.10	-0.29	-0.11	-0.29	-0.02	7.98e-03	-8.48e-03	-6.16e-04	1.21e-04	8.22e-03
		32	0.18	-0.19	-0.30	-0.21	-0.28	0.04	5.32e-03	-0.01	-5.40e-03	5.46e-05	-7.51e-03
		31	0.23	0.03	-0.29	-0.13	-0.13	0.16	1.87e-03	-0.02	-9.30e-03	-3.86e-03	8.00e-03
		23	0.36	0.20	-0.37	-0.04	-0.13	0.28	8.58e-03	-7.05e-03	2.12e-03	-5.93e-04	-7.70e-03
23	52	24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	8.10e-03	-8.28e-03	-4.87e-04	2.99e-04	8.18e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.50e-03	-0.01	-5.27e-03	2.20e-04	-7.55e-03
		31	0.22	2.11e-03	-0.28	-0.14	-0.14	0.14	2.03e-03	-0.01	-9.08e-03	-3.70e-03	7.97e-03
		23	0.34	0.17	-0.36	-0.05	-0.14	0.26	8.81e-03	-6.90e-03	2.33e-03	-4.19e-04	-7.73e-03
23	53	24	0.17	-0.10	-0.29	-0.11	-0.29	-0.02	7.97e-03	-8.50e-03	-6.21e-04	8.91e-05	8.23e-03
		32	0.18	-0.19	-0.30	-0.21	-0.28	0.04	5.30e-03	-0.01	-5.41e-03	3.12e-05	-7.51e-03
		31	0.23	0.03	-0.29	-0.13	-0.13	0.16	1.85e-03	-0.02	-9.30e-03	-3.88e-03	7.99e-03
		23	0.36	0.20	-0.37	-0.04	-0.13	0.28	8.56e-03	-7.07e-03	2.12e-03	-6.25e-04	-7.70e-03
23	54	24	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	8.08e-03	-8.31e-03	-4.92e-04	2.67e-04	8.19e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.49e-03	-0.01	-5.28e-03	1.97e-04	-7.55e-03
		31	0.22	1.97e-03	-0.28	-0.14	-0.14	0.14	2.01e-03	-0.01	-9.08e-03	-3.72e-03	7.97e-03
		23	0.34	0.17	-0.36	-0.05	-0.14	0.26	8.79e-03	-6.91e-03	2.33e-03	-4.51e-04	-7.73e-03
23	55	24	0.16	-0.11	-0.28	-0.11	-0.28	5.48e-03	7.88e-03	-8.64e-03	-6.58e-04	-9.83e-05	8.25e-03
		32	0.19	-0.17	-0.31	-0.21	-0.27	0.07	5.12e-03	-0.01	-5.44e-03	-1.75e-04	-7.48e-03
		31	0.26	0.06	-0.31	-0.12	-0.12	0.18	1.66e-03	-0.02	-9.52e-03	-4.08e-03	8.01e-03
		23	0.38	0.23	-0.39	-0.04	-0.12	0.31	8.34e-03	-7.25e-03	1.89e-03	-8.05e-04	-7.68e-03
23	56	24	0.20	-0.09	-0.32	-0.11	-0.30	-0.07	8.19e-03	-8.15e-03	-4.48e-04	4.96e-04	8.16e-03
		32	0.17	-0.21	-0.29	-0.21	-0.29	-5.67e-03	5.70e-03	-0.01	-5.24e-03	4.34e-04	-7.58e-03
		31	0.19	-0.03	-0.25	-0.14	-0.14	0.11	2.22e-03	-0.01	-8.86e-03	-3.49e-03	7.95e-03
		23	0.31	0.14	-0.34	-0.06	-0.14	0.24	9.04e-03	-6.71e-03	2.56e-03	-2.29e-04	-7.75e-03
23	57	24	0.16	-0.11	-0.28	-0.11	-0.28	5.48e-03	7.87e-03	-8.64e-03	-6.60e-04	-1.08e-04	8.25e-03
		32	0.19	-0.17	-0.31	-0.21	-0.27	0.07	5.11e-03	-0.01	-5.44e-03	-1.83e-04	-7.48e-03
		31	0.26	0.06	-0.31	-0.12	-0.12	0.18	1.66e-03	-0.02	-9.52e-03	-4.09e-03	8.01e-03
		23	0.38	0.23	-0.39	-0.04	-0.12	0.31	8.34e-03	-7.26e-03	1.89e-03	-8.14e-04	-7.68e-03
23	58	24	0.20	-0.09	-0.32	-0.11	-0.30	-0.07	8.19e-03	-8.15e-03	-4.50e-04	4.86e-04	8.15e-03
		32	0.17	-0.21	-0.29	-0.21	-0.29	-5.67e-03	5.69e-03	-0.01	-5.24e-03	4.27e-04	-7.58e-03
		31	0.19	-0.03	-0.25	-0.14	-0.14	0.11	2.21e-03	-0.01	-8.86e-03	-3.50e-03	7.95e-03
		23	0.31	0.14	-0.34	-0.06	-0.14	0.24	9.03e-03	-6.72e-03	2.56e-03	-2.39e-04	-7.75e-03
23	59	24	0.16	-0.11	-0.28	-0.11	-0.28	5.48e-03	7.88e-03	-8.64e-03	-6.58e-04	-9.85e-05	8.25e-03
		32	0.19	-0.17	-0.31	-0.21	-0.27	0.07	5.12e-03	-0.01	-5.44e-03	-1.75e-04	-7.48e-03
		31	0.26	0.06	-0.31	-0.12	-0.12	0.18	1.66e-03	-0.02	-9.52e-03	-4.08e-03	8.01e-03
		23	0.38	0.23	-0.39	-0.04	-0.12	0.31	8.34e-03	-7.25e-03	1.89e-03	-8.05e-04	-7.68e-03
23	60	24	0.20	-0.09	-0.32	-0.11	-0.30	-0.07	8.19e-03	-8.14e-03	-4.48e-04	4.96e-04	8.15e-03
		32	0.17	-0.21	-0.29	-0.21	-0.29	-5.67e-03	5.69e-03	-0.01	-5.24e-03	4.34e-04	-7.58e-03
		31	0.19	-0.03	-0.25	-0.14	-0.14	0.11	2.22e-03	-0.01	-8.86e-03	-3.49e-03	7.95e-03
		23	0.31	0.14	-0.34	-0.06	-0.14	0.24	9.04e-03	-6.71e-03	2.56e-03	-2.30e-04	-7.75e-03
23	61	24	0.16	-0.11	-0.28	-0.11	-0.28	5.48e-03	7.88e-03	-8.64e-03	-6.60e-04	-1.08e-04	8.25e-03
		32	0.19	-0.17	-0.31	-0.21	-0.27	0.07	5.11e-03	-0.01	-5.44e-03	-1.82e-04	-7.48e-03
		31	0.26	0.06	-0.31	-0.12	-0.12	0.18	1.66e-03	-0.02	-9.52e-03	-4.09e-03	8.01e-03
		23	0.38	0.23	-0.39	-0.04	-0.12	0.31	8.34e-03	-7.26e-03	1.89e-03	-8.14e-04	-7.68e-03
23	62	24	0.20	-0.09	-0.32	-0.11	-0.30	-0.07	8.19e-03	-8.15e-03	-4.50e-04	4.86e-04	8.16e-03
		32	0.17	-0.21	-0.29	-0.21	-0.29	-5.67e-03	5.69e-03	-0.01	-5.24e-03	4.27e-04	-7.58e-03
		31	0.19	-0.03	-0.25	-0.14	-0.14	0.11	2.21e-03	-0.01	-8.86e-03	-3.50e-03	7.95e-03
		23	0.31	0.14	-0.34	-0.06	-0.14	0.24	9.03e-03	-6.71e-03	2.56e-03	-2.39e-04	-7.75e-03
23	63	24	0.16	-0.10	-0.28	-0.10	-0.28	1.95e-03	7.85e-03	-8.72e-03	-7.68e-04	-9.71e-05	8.28e-03
		32	0.19	-0.17	-0.31	-0.21	-0.27	0.06	5.10e-03	-0.01	-5.55e-03	-1.47e-04	-7.47e-03
		31	0.26	0.06	-0.30	-0.12	-0.12	0.18	1.68e-03	-0.02	-9.55e-03	-4.05e-03	8.02e-03
		23	0.38	0.23	-0.38	-0.03	-0.12	0.30	8.30e-03	-7.25e-03	1.86e-03	-8.07e-04	-7.66e-03
23	64	24	0.20	-0.09	-0.32	-0.11	-0.30	-0.06	8.22e-03	-8.07e-03	-3.38e-04	4.95e-04	8.13e-03
		32	0.17	-0.21	-0.29	-0.21	-0.29	-2.14e-03	5.72e-03	-0.01	-5.13e-03	4.05e-04	-7.59e-03
		31	0.20	-0.03	-0.26	-0.14	-0.15	0.12	2.20e-03	-0.01	-8.83e-03	-3.52e-03	7.94e-03
		23	0.31	0.14	-0.35	-0.06	-0.15	0.24	9.08e-03	-6.72e-03	2.59e-03	-2.27e-04	-7.77e-03
23	65	24	0.16	-0.10	-0.28	-0.10	-0.28	1.95e-03	7.84e-03	-8.72e-03	-7.70e-04	-1.07e-04	8.28e-03
		32	0.19	-0.17	-0.31	-0.21	-0.27	0.06	5.09e-03	-0.01	-5.55e-03	-1.54e-04	-7.47e-03
		31	0.26	0.06	-0.30	-0.12	-0.12	0.18	1.67e-03	-0.02	-9.55e-03	-4.06e-03	8.02e-03
		23	0.38	0.23	-0.38	-0.03	-0.12	0.30	8.30e-03	-7.25e-03	1.86e-03	-8.17e-04	-7.66e-03
23	66	24	0.20	-0.09	-0.32	-0.11	-0.30	-0.06	8.21e-03	-8.07e-03	-3.40e-04	4.85e-04	8.13e-03
		32	0.17	-0.21	-0.29	-0.21	-0.29	-2.14e-03	5.71e-03	-0.01	-5.13e-03	3.98e-04	-7.59e-03
		31	0.20	-0.03	-0.26	-0.14	-0.15	0.12	2.20e-03	-0.01	-8.83e-03	-3.52e-03	7.94e-03

		23	0.31	0.14	-0.35	-0.06	-0.15	0.24	9.07e-03	-6.72e-03	2.59e-03	-2.37e-04	-7.77e-03
23	67	24	0.16	-0.10	-0.28	-0.10	-0.28	1.95e-03	7.85e-03	-8.72e-03	-7.68e-04	-9.73e-05	8.28e-03
		32	0.19	-0.17	-0.31	-0.21	-0.27	0.06	5.09e-03	-0.01	-5.55e-03	-1.47e-04	-7.47e-03
		31	0.26	0.06	-0.30	-0.12	-0.12	0.18	1.68e-03	-0.02	-9.55e-03	-4.05e-03	8.02e-03
		23	0.38	0.23	-0.38	-0.03	-0.12	0.30	8.30e-03	-7.25e-03	1.86e-03	-8.07e-04	-7.66e-03
23	68	24	0.20	-0.09	-0.32	-0.11	-0.30	-0.06	8.22e-03	-8.06e-03	-3.38e-04	4.95e-04	8.13e-03
		32	0.17	-0.21	-0.29	-0.21	-0.29	-2.14e-03	5.72e-03	-0.01	-5.13e-03	4.05e-04	-7.59e-03
		31	0.20	-0.03	-0.26	-0.14	-0.15	0.12	2.20e-03	-0.01	-8.83e-03	-3.52e-03	7.94e-03
		23	0.31	0.14	-0.35	-0.06	-0.15	0.24	9.08e-03	-6.72e-03	2.59e-03	-2.28e-04	-7.77e-03
23	69	24	0.16	-0.10	-0.28	-0.10	-0.28	1.95e-03	7.85e-03	-8.72e-03	-7.70e-04	-1.07e-04	8.28e-03
		32	0.19	-0.17	-0.31	-0.21	-0.27	0.06	5.09e-03	-0.01	-5.55e-03	-1.54e-04	-7.47e-03
		31	0.26	0.06	-0.30	-0.12	-0.12	0.18	1.67e-03	-0.02	-9.55e-03	-4.06e-03	8.02e-03
		23	0.38	0.23	-0.38	-0.03	-0.12	0.30	8.30e-03	-7.25e-03	1.86e-03	-8.16e-04	-7.66e-03
23	70	24	0.20	-0.09	-0.32	-0.11	-0.30	-0.06	8.22e-03	-8.07e-03	-3.40e-04	4.85e-04	8.13e-03
		32	0.17	-0.21	-0.29	-0.21	-0.29	-2.14e-03	5.71e-03	-0.01	-5.13e-03	3.98e-04	-7.59e-03
		31	0.20	-0.03	-0.26	-0.14	-0.15	0.12	2.20e-03	-0.01	-8.83e-03	-3.52e-03	7.94e-03
		23	0.31	0.14	-0.35	-0.06	-0.15	0.24	9.07e-03	-6.72e-03	2.59e-03	-2.37e-04	-7.77e-03
23	71	24	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		31	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		23	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
23	72	24	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		31	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		23	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
23	73	24	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		31	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		23	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
23	74	24	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		31	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		23	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
23	75	24	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		31	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		23	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
23	76	24	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
		31	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		23	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
24	1	17	0.45	0.24	-0.47	-0.06	-0.17	-0.35	0.01	-9.08e-03	2.89e-03	-6.79e-04	0.01
		25	0.29	0.02	-0.37	-0.17	-0.17	-0.19	2.52e-03	-0.02	-0.01	-4.93e-03	-0.01
		32	0.22	-0.26	-0.38	-0.27	-0.36	-0.04	7.03e-03	-0.01	-6.94e-03	1.63e-04	9.79e-03
		24	0.23	-0.13	-0.38	-0.14	-0.38	0.04	0.01	-0.01	-7.20e-04	2.52e-04	-0.01
24	2	17	0.45	0.24	-0.47	-0.06	-0.17	-0.35	0.01	-9.08e-03	2.89e-03	-6.79e-04	0.01
		25	0.29	0.02	-0.37	-0.17	-0.17	-0.19	2.52e-03	-0.02	-0.01	-4.93e-03	-0.01
		32	0.22	-0.26	-0.38	-0.27	-0.36	-0.04	7.03e-03	-0.01	-6.94e-03	1.63e-04	9.79e-03
		24	0.23	-0.13	-0.38	-0.14	-0.38	0.04	0.01	-0.01	-7.20e-04	2.52e-04	-0.01
24	3	17	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		25	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		24	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
24	4	17	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		25	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		24	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
24	5	17	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		25	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		24	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
24	6	17	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		25	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		24	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
24	7	17	20.97	32.53	0.51	4.91	28.13	11.02	0.01	-0.16	-0.12	-0.02	-0.07
		25	20.81	32.13	0.39	4.82	27.70	-10.99	0.11	-0.04	0.07	0.01	0.07
		32	20.62	31.79	0.32	4.61	27.50	10.80	0.11	-0.04	0.06	5.44e-03	-0.07
		24	21.10	32.52	0.16	4.78	27.90	-11.32	0.01	-0.16	-0.12	-0.03	0.07
24	8	17	9.95	4.68	-9.76	0.48	-5.56	-6.56	0.79	4.86e-03	0.09	0.70	0.24
		25	6.60	2.13	-5.99	2.12	-5.98	0.29	0.94	0.26	0.26	0.94	0.05
		32	8.24	-4.57	-11.21	-7.31	-8.46	-3.27	-0.47	-1.30	-0.50	-1.27	0.14
		24	7.38	-3.35	-9.46	-3.72	-9.09	1.46	-0.12	-0.92	-0.12	-0.92	3.35e-03
24	9	17	22.93	35.55	0.55	5.36	30.74	12.05	0.02	-0.17	-0.13	-0.03	-0.08
		25	22.73	35.09	0.45	5.27	30.27	-11.99	0.13	-0.04	0.07	0.01	0.08
		32	22.53	34.74	0.37	5.05	30.06	11.79	0.12	-0.04	0.07	5.83e-03	-0.08
		24	23.07	35.54	0.18	5.23	30.50	-12.37	0.01	-0.18	-0.13	-0.03	0.08

24	10	17	8.15	4.85	-6.86	0.94	-2.96	-5.52	0.78	-1.03e-03	0.07	0.70	0.23
		25	5.23	2.66	-3.50	2.58	-3.42	-0.71	0.95	0.27	0.27	0.94	0.06
		32	6.72	-4.06	-8.71	-6.87	-5.90	-2.27	-0.47	-1.29	-0.49	-1.27	0.13
		24	5.69	-3.21	-6.55	-3.27	-6.49	0.41	-0.14	-0.92	-0.14	-0.92	0.01
24	11	17	20.97	32.52	0.51	4.90	28.13	11.01	0.01	-0.16	-0.12	-0.02	-0.07
		25	20.81	32.12	0.39	4.81	27.70	-10.99	0.11	-0.04	0.07	0.01	0.07
		32	20.61	31.78	0.32	4.61	27.50	10.79	0.11	-0.04	0.06	5.42e-03	-0.07
		24	21.10	32.52	0.15	4.78	27.89	-11.32	0.01	-0.16	-0.12	-0.03	0.07
24	12	17	9.95	4.68	-9.75	0.49	-5.56	-6.56	0.79	4.85e-03	0.09	0.70	0.24
		25	6.60	2.13	-5.99	2.12	-5.98	0.30	0.94	0.26	0.26	0.94	0.05
		32	8.24	-4.57	-11.20	-7.31	-8.46	-3.27	-0.47	-1.30	-0.50	-1.27	0.14
		24	7.38	-3.34	-9.46	-3.72	-9.09	1.46	-0.12	-0.92	-0.12	-0.92	3.33e-03
24	13	17	22.93	35.55	0.55	5.36	30.74	12.05	0.02	-0.17	-0.13	-0.03	-0.08
		25	22.73	35.09	0.45	5.27	30.27	-11.99	0.13	-0.04	0.07	0.01	0.08
		32	22.53	34.74	0.37	5.05	30.06	11.79	0.12	-0.04	0.07	5.81e-03	-0.08
		24	23.07	35.54	0.18	5.23	30.49	-12.37	0.01	-0.18	-0.13	-0.03	0.08
24	14	17	8.15	4.85	-6.86	0.94	-2.95	-5.52	0.78	-1.04e-03	0.07	0.70	0.23
		25	5.23	2.66	-3.50	2.58	-3.41	-0.71	0.95	0.27	0.27	0.94	0.06
		32	6.72	-4.06	-8.71	-6.87	-5.90	-2.27	-0.47	-1.29	-0.49	-1.27	0.13
		24	5.69	-3.21	-6.54	-3.27	-6.49	0.41	-0.14	-0.92	-0.14	-0.92	0.01
24	15	17	20.97	32.53	0.51	4.91	28.13	11.02	0.01	-0.16	-0.12	-0.02	-0.07
		25	20.81	32.13	0.39	4.82	27.70	-10.99	0.11	-0.04	0.07	0.01	0.07
		32	20.62	31.79	0.32	4.61	27.50	10.80	0.11	-0.04	0.06	5.43e-03	-0.07
		24	21.10	32.52	0.16	4.78	27.90	-11.32	0.01	-0.16	-0.12	-0.03	0.07
24	16	17	9.95	4.68	-9.76	0.48	-5.56	-6.56	0.79	4.86e-03	0.09	0.70	0.24
		25	6.60	2.13	-5.99	2.12	-5.98	0.29	0.94	0.26	0.26	0.94	0.05
		32	8.24	-4.57	-11.21	-7.31	-8.46	-3.27	-0.47	-1.30	-0.50	-1.27	0.14
		24	7.38	-3.35	-9.46	-3.72	-9.09	1.26	-0.12	-0.92	-0.12	-0.92	3.34e-03
24	17	17	22.93	35.55	0.55	5.36	30.74	12.05	0.02	-0.17	-0.13	-0.03	-0.08
		25	22.73	35.09	0.45	5.27	30.27	-11.99	0.13	-0.04	0.07	0.01	0.08
		32	22.53	34.74	0.37	5.05	30.06	11.79	0.12	-0.04	0.07	5.84e-03	-0.08
		24	23.07	35.54	0.18	5.23	30.50	-12.37	0.01	-0.18	-0.13	-0.03	0.08
24	18	17	8.15	4.85	-6.86	0.94	-2.96	-5.52	0.78	-1.03e-03	0.07	0.70	0.23
		25	5.23	2.66	-3.50	2.58	-3.42	-0.71	0.95	0.27	0.27	0.94	0.06
		32	6.72	-4.06	-8.71	-6.87	-5.90	-2.27	-0.47	-1.29	-0.49	-1.27	0.13
		24	5.69	-3.21	-6.55	-3.27	-6.49	0.41	-0.14	-0.92	-0.14	-0.92	0.01
24	19	17	20.97	32.52	0.51	4.90	28.13	11.01	0.01	-0.16	-0.12	-0.02	-0.07
		25	20.81	32.12	0.39	4.81	27.70	-10.99	0.11	-0.04	0.07	0.01	0.07
		32	20.61	31.78	0.32	4.61	27.50	10.79	0.11	-0.04	0.06	5.41e-03	-0.07
		24	21.10	32.52	0.15	4.78	27.89	-11.32	0.01	-0.16	-0.12	-0.03	0.07
24	20	17	9.95	4.68	-9.75	0.49	-5.56	-6.56	0.79	4.85e-03	0.09	0.70	0.24
		25	6.60	2.13	-5.99	2.12	-5.98	0.30	0.94	0.26	0.26	0.94	0.05
		32	8.24	-4.57	-11.20	-7.31	-8.46	-3.27	-0.47	-1.30	-0.50	-1.27	0.14
		24	7.38	-3.34	-9.46	-3.72	-9.09	1.46	-0.12	-0.92	-0.12	-0.92	3.32e-03
24	21	17	22.93	35.55	0.55	5.36	30.74	12.05	0.02	-0.17	-0.13	-0.03	-0.08
		25	22.73	35.09	0.45	5.27	30.27	-11.99	0.13	-0.04	0.07	0.01	0.08
		32	22.53	34.74	0.37	5.05	30.06	11.79	0.12	-0.04	0.07	5.82e-03	-0.08
		24	23.07	35.54	0.18	5.23	30.49	-12.37	0.01	-0.18	-0.13	-0.03	0.08
24	22	17	8.15	4.85	-6.86	0.94	-2.95	-5.52	0.78	-1.04e-03	0.07	0.70	0.23
		25	5.23	2.66	-3.50	2.58	-3.41	-0.71	0.95	0.27	0.27	0.94	0.06
		32	6.72	-4.06	-8.71	-6.87	-5.90	-2.27	-0.47	-1.29	-0.49	-1.27	0.13
		24	5.69	-3.21	-6.54	-3.27	-6.49	0.41	-0.14	-0.92	-0.14	-0.92	0.01
24	23	17	80.90	125.21	1.61	18.89	107.93	42.86	0.08	-0.63	-0.46	-0.09	-0.30
		25	79.46	122.90	2.17	18.78	106.28	-41.60	0.48	-0.15	0.28	0.05	0.29
		32	79.22	122.32	1.79	18.21	105.90	41.34	0.45	-0.17	0.26	0.02	-0.29
		24	81.16	125.12	0.90	18.56	107.46	-43.38	0.06	-0.64	-0.46	-0.12	0.31
24	24	17	23.00	16.16	-16.41	4.15	-4.39	-15.72	2.57	-9.52e-03	0.22	2.34	0.74
		25	15.18	10.76	-6.96	9.81	-6.01	-3.99	3.18	0.91	0.94	3.15	0.22
		32	19.32	-11.03	-24.46	-21.53	-13.96	-5.55	-1.55	-4.30	-1.61	-4.24	0.41
		24	15.57	-9.65	-15.94	-9.75	-15.84	-0.78	-0.47	-3.07	-0.47	-3.07	0.07
24	25	17	81.49	126.11	1.62	19.03	108.71	43.17	0.08	-0.63	-0.47	-0.09	-0.30
		25	80.03	123.79	2.18	18.92	107.05	-41.90	0.48	-0.15	0.28	0.05	0.30
		32	79.79	123.20	1.81	18.34	106.67	41.64	0.45	-0.17	0.26	0.02	-0.29
		24	81.75	126.03	0.91	18.70	108.24	-43.69	0.06	-0.64	-0.46	-0.12	0.31
24	26	17	22.49	16.24	-15.57	4.28	-3.61	-15.41	2.57	-0.01	0.22	2.34	0.74
		25	14.91	11.07	-6.37	9.94	-5.24	-4.29	3.18	0.91	0.94	3.15	0.23
		32	18.94	-10.63	-23.96	-21.40	-13.19	-5.25	-1.55	-4.30	-1.61	-4.24	0.40
		24	15.14	-9.40	-15.27	-9.61	-15.06	-1.09	-0.47	-3.07	-0.48	-3.07	0.07
24	27	17	80.90	125.21	1.61	18.89	107.93	42.86	0.08	-0.63	-0.46	-0.09	-0.30
		25	79.46	122.90	2.17	18.78	106.28	-41.60	0.48	-0.15	0.28	0.05	0.29
		32	79.22	122.32	1.79	18.21	105.90	41.34	0.45	-0.17	0.26	0.02	-0.29
		24	81.16	125.12	0.90	18.56	107.46	-43.38	0.06	-0.64	-0.46	-0.12	0.31
24	28	17	23.00	16.16	-16.41	4.15	-4.39	-15.72	2.57	-9.52e-03	0.22	2.34	0.74
		25	15.18	10.76	-6.96	9.81	-6.01	-3.99	3.18	0.91	0.94	3.15	0.22
		32	19.32	-11.03	-24.46	-21.53	-13.96	-5.55	-1.55	-4.30	-1.61	-4.24	0.41
		24	15.57	-9.65	-15.94	-9.75	-15.84	-0.78	-0.47	-3.07	-0.47	-3.07	0.07
24	29	17	81.49	126.11	1.62	19.03	108.71	43.17	0.08	-0.63	-0.47	-0.09	-0.30

		25	80.03	123.79	2.18	18.92	107.05	-41.90	0.48	-0.15	0.28	0.05	0.30
		32	79.79	123.20	1.81	18.34	106.67	41.64	0.45	-0.17	0.26	0.02	-0.29
		24	81.75	126.03	0.91	18.70	108.24	-43.69	0.06	-0.64	-0.46	-0.12	0.31
24	30	17	22.49	16.24	-15.57	4.28	-3.61	-15.41	2.57	-0.01	0.22	2.34	0.74
		25	14.91	11.07	-6.37	9.94	-5.24	-4.29	3.18	0.91	0.94	3.15	0.23
		32	18.94	-10.63	-23.96	-21.40	-13.19	-5.25	-1.55	-4.30	-1.61	-4.24	0.40
		24	15.14	-9.40	-15.27	-9.61	-15.06	-1.09	-0.47	-3.07	-0.48	-3.07	0.07
24	31	17	80.89	125.19	1.61	18.88	107.91	42.85	0.07	-0.63	-0.46	-0.09	-0.30
		25	79.46	122.90	2.15	18.78	106.27	-41.61	0.48	-0.15	0.28	0.05	0.29
		32	79.21	122.30	1.80	18.20	105.90	41.33	0.45	-0.17	0.26	0.02	-0.28
		24	81.16	125.11	0.89	18.56	107.45	-43.39	0.06	-0.64	-0.46	-0.12	0.31
24	32	17	22.98	16.16	-16.39	4.15	-4.38	-15.71	2.57	-9.56e-03	0.22	2.34	0.74
		25	15.17	10.76	-6.95	9.81	-6.00	-3.98	3.18	0.91	0.94	3.15	0.22
		32	19.32	-11.03	-24.45	-21.53	-13.95	-5.54	-1.55	-4.30	-1.61	-4.24	0.41
		24	15.56	-9.65	-15.92	-9.74	-15.83	-0.77	-0.47	-3.07	-0.47	-3.07	0.07
24	33	17	81.48	126.09	1.62	19.02	108.70	43.16	0.08	-0.63	-0.47	-0.09	-0.30
		25	80.04	123.79	2.17	18.92	107.04	-41.91	0.48	-0.15	0.28	0.05	0.30
		32	79.78	123.19	1.81	18.34	106.66	41.63	0.45	-0.17	0.26	0.02	-0.29
		24	81.75	126.02	0.90	18.69	108.23	-43.70	0.06	-0.64	-0.46	-0.12	0.31
24	34	17	22.48	16.24	-15.55	4.29	-3.60	-15.40	2.57	-0.01	0.22	2.34	0.74
		25	14.91	11.07	-6.36	9.95	-5.23	-4.28	3.18	0.91	0.94	3.15	0.23
		32	18.94	-10.63	-23.95	-21.40	-13.18	-5.24	-1.55	-4.30	-1.61	-4.24	0.40
		24	15.13	-9.40	-15.26	-9.61	-15.05	-1.09	-0.47	-3.07	-0.48	-3.07	0.07
24	35	17	80.89	125.19	1.61	18.88	107.91	42.85	0.07	-0.63	-0.46	-0.09	-0.30
		25	79.46	122.90	2.15	18.78	106.27	-41.61	0.48	-0.15	0.28	0.05	0.29
		32	79.21	122.30	1.80	18.20	105.90	41.33	0.45	-0.17	0.26	0.02	-0.28
		24	81.16	125.11	0.89	18.56	107.45	-43.39	0.06	-0.64	-0.46	-0.12	0.31
24	36	17	22.98	16.16	-16.39	4.15	-4.38	-15.71	2.57	-9.56e-03	0.22	2.34	0.74
		25	15.17	10.76	-6.95	9.81	-6.00	-3.98	3.18	0.91	0.94	3.15	0.22
		32	19.32	-11.03	-24.45	-21.53	-13.95	-5.54	-1.55	-4.30	-1.61	-4.24	0.41
		24	15.56	-9.65	-15.92	-9.74	-15.83	-0.77	-0.47	-3.07	-0.47	-3.07	0.07
24	37	17	81.48	126.09	1.62	19.02	108.70	43.16	0.08	-0.63	-0.47	-0.09	-0.30
		25	80.04	123.79	2.17	18.92	107.04	-41.91	0.48	-0.15	0.28	0.05	0.30
		32	79.78	123.19	1.81	18.34	106.66	41.63	0.45	-0.17	0.26	0.02	-0.29
		24	81.75	126.02	0.90	18.69	108.23	-43.70	0.06	-0.64	-0.46	-0.12	0.31
24	38	17	22.48	16.24	-15.55	4.29	-3.60	-15.40	2.57	-0.01	0.22	2.34	0.74
		25	14.91	11.07	-6.36	9.95	-5.23	-4.28	3.18	0.91	0.94	3.15	0.23
		32	18.94	-10.63	-23.95	-21.40	-13.18	-5.24	-1.55	-4.30	-1.61	-4.24	0.40
		24	15.13	-9.40	-15.26	-9.61	-15.05	-1.09	-0.47	-3.07	-0.48	-3.07	0.07
24	39	17	0.33	0.17	-0.36	-0.05	-0.14	-0.26	8.80e-03	-6.89e-03	2.33e-03	-4.19e-04	7.72e-03
		25	0.22	1.83e-03	-0.27	-0.14	-0.14	-0.14	2.03e-03	-0.01	-9.09e-03	-3.69e-03	-7.98e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.50e-03	-0.01	-5.30e-03	2.29e-04	7.54e-03
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	8.09e-03	-8.30e-03	-5.09e-04	3.00e-04	-8.19e-03
24	40	17	0.36	0.20	-0.37	-0.04	-0.13	-0.28	8.59e-03	-7.06e-03	2.13e-03	-5.91e-04	7.71e-03
		25	0.24	0.03	-0.29	-0.13	-0.13	-0.16	1.86e-03	-0.02	-9.29e-03	-3.87e-03	-7.99e-03
		32	0.18	-0.19	-0.30	-0.21	-0.28	-0.04	5.32e-03	-0.01	-5.38e-03	4.73e-05	7.51e-03
		24	0.17	-0.10	-0.29	-0.11	-0.29	0.02	7.99e-03	-8.46e-03	-5.93e-04	1.22e-04	-8.22e-03
24	41	17	0.33	0.17	-0.36	-0.05	-0.14	-0.26	8.78e-03	-6.91e-03	2.32e-03	-4.52e-04	7.72e-03
		25	0.22	1.68e-03	-0.27	-0.14	-0.14	-0.14	2.01e-03	-0.01	-9.09e-03	-3.71e-03	-7.97e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.49e-03	-0.01	-5.30e-03	2.04e-04	7.55e-03
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	8.08e-03	-8.33e-03	-5.15e-04	2.66e-04	-8.19e-03
24	42	17	0.36	0.20	-0.37	-0.04	-0.13	-0.28	8.58e-03	-7.08e-03	2.13e-03	-6.25e-04	7.70e-03
		25	0.24	0.03	-0.29	-0.13	-0.13	-0.16	1.84e-03	-0.02	-9.29e-03	-3.89e-03	-7.99e-03
		32	0.18	-0.19	-0.30	-0.21	-0.28	-0.04	5.31e-03	-0.01	-5.38e-03	2.24e-05	7.52e-03
		24	0.17	-0.10	-0.29	-0.11	-0.29	0.02	7.97e-03	-8.48e-03	-5.99e-04	8.81e-05	-8.22e-03
24	43	17	0.34	0.17	-0.36	-0.05	-0.14	-0.26	8.81e-03	-6.90e-03	2.33e-03	-4.18e-04	7.73e-03
		25	0.22	2.11e-03	-0.28	-0.14	-0.14	-0.14	2.03e-03	-0.01	-9.08e-03	-3.70e-03	-7.97e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.50e-03	-0.01	-5.27e-03	2.21e-04	7.55e-03
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	8.10e-03	-8.28e-03	-4.85e-04	3.00e-04	-8.18e-03
24	44	17	0.36	0.20	-0.37	-0.04	-0.13	-0.28	8.58e-03	-7.05e-03	2.12e-03	-5.92e-04	7.70e-03
		25	0.23	0.03	-0.29	-0.13	-0.13	-0.16	1.87e-03	-0.02	-9.30e-03	-3.86e-03	-8.00e-03
		32	0.18	-0.19	-0.30	-0.21	-0.28	-0.04	5.32e-03	-0.01	-5.40e-03	5.54e-05	7.51e-03
		24	0.17	-0.10	-0.29	-0.11	-0.29	0.02	7.98e-03	-8.48e-03	-6.16e-04	1.22e-04	-8.22e-03
24	45	17	0.34	0.17	-0.36	-0.05	-0.14	-0.26	8.79e-03	-6.91e-03	2.33e-03	-4.52e-04	7.73e-03
		25	0.22	1.96e-03	-0.28	-0.14	-0.14	-0.14	2.01e-03	-0.01	-9.08e-03	-3.72e-03	-7.97e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.49e-03	-0.01	-5.28e-03	1.96e-04	7.55e-03
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	8.08e-03	-8.31e-03	-4.92e-04	2.66e-04	-8.19e-03
24	46	17	0.36	0.20	-0.37	-0.04	-0.13	-0.28	8.56e-03	-7.07e-03	2.12e-03	-6.26e-04	7.70e-03
		25	0.23	0.03	-0.29	-0.13	-0.13	-0.16	1.85e-03	-0.02	-9.30e-03	-3.88e-03	-7.99e-03
		32	0.18	-0.19	-0.30	-0.21	-0.28	-0.04	5.30e-03	-0.01	-5.41e-03	3.05e-05	7.51e-03
		24	0.17	-0.10	-0.29	-0.11	-0.29	0.02	7.97e-03	-8.50e-03	-6.23e-04	8.81e-05	-8.19e-03
24	47	17	0.33	0.17	-0.36	-0.05	-0.14	-0.26	8.80e-03	-6.89e-03	2.32e-03	-4.21e-04	7.72e-03
		25	0.22	1.83e-03	-0.27	-0.14	-0.14	-0.14	2.03e-03	-0.01	-9.09e-03	-3.69e-03	-7.97e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.50e-03	-0.01	-5.30e-03	2.28e-04	7.55e-03
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	8.10e-03	-8.31e-03	-5.09e-04	2.98e-04	-8.19e-03
24	48	17	0.36	0.20	-0.37	-0.04	-0.13	-0.28	8.59e-03	-7.06e-03	2.13e-03	-5.93e-04	7.70e-03
		25	0.24	0.03	-0.29	-0.13	-0.13	-0.16	1.86e-03	-0.02	-9.29e-03	-3.87e-03	-7.99e-03

		32	0.18	-0.19	-0.30	-0.21	-0.28	-0.04	5.33e-03	-0.01	-5.38e-03	4.62e-05	7.52e-03
		24	0.17	-0.10	-0.29	-0.11	-0.29	0.02	7.99e-03	-8.47e-03	-5.93e-04	1.21e-04	-8.22e-03
24	49	17	0.33	0.17	-0.36	-0.05	-0.14	-0.26	8.78e-03	-6.91e-03	2.32e-03	-4.51e-04	7.72e-03
		25	0.22	1.68e-03	-0.27	-0.14	-0.14	-0.14	2.01e-03	-0.01	-9.09e-03	-3.71e-03	-7.98e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.48e-03	-0.01	-5.30e-03	2.05e-04	7.54e-03
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	8.07e-03	-8.32e-03	-5.15e-04	2.67e-04	-8.19e-03
24	50	17	0.36	0.20	-0.37	-0.04	-0.13	-0.28	8.58e-03	-7.08e-03	2.13e-03	-6.23e-04	7.71e-03
		25	0.24	0.03	-0.29	-0.13	-0.13	-0.16	1.85e-03	-0.02	-9.29e-03	-3.89e-03	-7.99e-03
		32	0.18	-0.19	-0.30	-0.21	-0.28	-0.04	5.30e-03	-0.01	-5.38e-03	2.35e-05	7.51e-03
		24	0.17	-0.10	-0.29	-0.11	-0.29	0.02	7.97e-03	-8.48e-03	-5.99e-04	8.97e-05	-8.22e-03
24	51	17	0.34	0.17	-0.36	-0.05	-0.14	-0.26	8.81e-03	-6.89e-03	2.33e-03	-4.20e-04	7.73e-03
		25	0.22	2.11e-03	-0.28	-0.14	-0.14	-0.14	2.02e-03	-0.01	-9.08e-03	-3.70e-03	-7.97e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.51e-03	-0.01	-5.27e-03	2.20e-04	7.55e-03
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	8.10e-03	-8.29e-03	-4.85e-04	2.98e-04	-8.19e-03
24	52	17	0.36	0.20	-0.37	-0.04	-0.13	-0.28	8.58e-03	-7.05e-03	2.12e-03	-5.94e-04	7.70e-03
		25	0.23	0.03	-0.29	-0.13	-0.13	-0.16	1.86e-03	-0.02	-9.30e-03	-3.86e-03	-7.99e-03
		32	0.18	-0.19	-0.30	-0.21	-0.28	-0.04	5.32e-03	-0.01	-5.40e-03	5.43e-05	7.51e-03
		24	0.17	-0.10	-0.29	-0.11	-0.29	0.02	7.99e-03	-8.49e-03	-6.17e-04	1.21e-04	-8.23e-03
24	53	17	0.34	0.17	-0.36	-0.05	-0.14	-0.26	8.80e-03	-6.91e-03	2.33e-03	-4.50e-04	7.73e-03
		25	0.22	1.96e-03	-0.28	-0.14	-0.14	-0.14	2.01e-03	-0.01	-9.08e-03	-3.70e-03	-7.97e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.49e-03	-0.01	-5.28e-03	1.97e-04	7.55e-03
		24	0.19	-0.10	-0.30	-0.11	-0.29	0.04	8.08e-03	-8.30e-03	-4.91e-04	2.67e-04	-8.18e-03
24	54	17	0.36	0.20	-0.37	-0.04	-0.13	-0.28	8.57e-03	-7.07e-03	2.12e-03	-6.24e-04	7.70e-03
		25	0.23	0.03	-0.29	-0.13	-0.13	-0.16	1.85e-03	-0.02	-9.30e-03	-3.88e-03	-8.00e-03
		32	0.18	-0.19	-0.30	-0.21	-0.28	-0.04	5.30e-03	-0.01	-5.41e-03	3.16e-05	7.51e-03
		24	0.17	-0.10	-0.29	-0.11	-0.29	0.02	7.96e-03	-8.50e-03	-6.23e-04	8.96e-05	-8.22e-03
24	55	17	0.31	0.14	-0.34	-0.06	-0.14	-0.24	9.03e-03	-6.71e-03	2.55e-03	-2.29e-04	7.74e-03
		25	0.19	-0.03	-0.25	-0.14	-0.14	-0.11	2.22e-03	-0.01	-8.86e-03	-3.49e-03	-7.95e-03
		32	0.17	-0.21	-0.29	-0.21	-0.29	5.71e-03	5.70e-03	-0.01	-5.20e-03	4.32e-04	7.58e-03
		24	0.20	-0.09	-0.32	-0.11	-0.30	0.07	8.21e-03	-8.13e-03	-4.13e-04	4.95e-04	-8.16e-03
24	56	17	0.38	0.23	-0.39	-0.04	-0.12	-0.31	8.35e-03	-7.26e-03	1.90e-03	-8.05e-04	7.68e-03
		25	0.26	0.06	-0.31	-0.12	-0.12	-0.18	1.66e-03	-0.02	-9.52e-03	-4.08e-03	-8.01e-03
		32	0.19	-0.17	-0.31	-0.21	-0.27	-0.07	5.11e-03	-0.01	-5.48e-03	-1.73e-04	7.48e-03
		24	0.16	-0.11	-0.28	-0.11	-0.28	-5.52e-03	7.86e-03	-8.65e-03	-6.93e-04	-9.67e-05	-8.25e-03
24	57	17	0.31	0.14	-0.34	-0.06	-0.14	-0.24	9.03e-03	-6.71e-03	2.55e-03	-2.39e-04	7.74e-03
		25	0.19	-0.03	-0.25	-0.14	-0.14	-0.11	2.21e-03	-0.01	-8.86e-03	-3.50e-03	-7.95e-03
		32	0.17	-0.21	-0.29	-0.21	-0.29	5.71e-03	5.70e-03	-0.01	-5.20e-03	4.25e-04	7.58e-03
		24	0.20	-0.09	-0.32	-0.11	-0.30	0.07	8.20e-03	-8.13e-03	-4.15e-04	4.85e-04	-8.16e-03
24	58	17	0.38	0.23	-0.39	-0.04	-0.12	-0.31	8.34e-03	-7.26e-03	1.90e-03	-8.15e-04	7.68e-03
		25	0.26	0.06	-0.31	-0.12	-0.12	-0.18	1.66e-03	-0.02	-9.52e-03	-4.09e-03	-8.01e-03
		32	0.19	-0.17	-0.31	-0.21	-0.27	-0.07	5.11e-03	-0.01	-5.48e-03	-1.81e-04	7.48e-03
		24	0.16	-0.11	-0.28	-0.11	-0.28	-5.52e-03	7.86e-03	-8.66e-03	-6.95e-04	-1.07e-04	-8.25e-03
24	59	17	0.31	0.14	-0.34	-0.06	-0.14	-0.24	9.03e-03	-6.71e-03	2.55e-03	-2.30e-04	7.74e-03
		25	0.19	-0.03	-0.25	-0.14	-0.14	-0.11	2.22e-03	-0.01	-8.86e-03	-3.49e-03	-7.95e-03
		32	0.17	-0.21	-0.29	-0.21	-0.29	5.71e-03	5.70e-03	-0.01	-5.20e-03	4.32e-04	7.58e-03
		24	0.20	-0.09	-0.32	-0.11	-0.30	0.07	8.21e-03	-8.13e-03	-4.13e-04	4.94e-04	-8.16e-03
24	60	17	0.38	0.23	-0.39	-0.04	-0.12	-0.31	8.35e-03	-7.26e-03	1.90e-03	-8.05e-04	7.68e-03
		25	0.26	0.06	-0.31	-0.12	-0.12	-0.18	1.66e-03	-0.02	-9.52e-03	-4.08e-03	-8.01e-03
		32	0.19	-0.17	-0.31	-0.21	-0.27	-0.07	5.11e-03	-0.01	-5.48e-03	-1.74e-04	7.48e-03
		24	0.16	-0.11	-0.28	-0.11	-0.28	-5.52e-03	7.86e-03	-8.65e-03	-6.93e-04	-9.72e-05	-8.25e-03
24	61	17	0.31	0.14	-0.34	-0.06	-0.14	-0.24	9.03e-03	-6.71e-03	2.55e-03	-2.39e-04	7.74e-03
		25	0.19	-0.03	-0.25	-0.14	-0.14	-0.11	2.21e-03	-0.01	-8.86e-03	-3.50e-03	-7.95e-03
		32	0.17	-0.21	-0.29	-0.21	-0.29	5.71e-03	5.70e-03	-0.01	-5.20e-03	4.25e-04	7.58e-03
		24	0.20	-0.09	-0.32	-0.11	-0.30	0.07	8.20e-03	-8.13e-03	-4.14e-04	4.85e-04	-8.16e-03
24	62	17	0.38	0.23	-0.39	-0.04	-0.12	-0.31	8.34e-03	-7.26e-03	1.90e-03	-8.14e-04	7.68e-03
		25	0.26	0.06	-0.31	-0.12	-0.12	-0.18	1.66e-03	-0.02	-9.52e-03	-4.09e-03	-8.01e-03
		32	0.19	-0.17	-0.31	-0.21	-0.27	-0.07	5.10e-03	-0.01	-5.48e-03	-1.80e-04	7.48e-03
		24	0.16	-0.11	-0.28	-0.11	-0.28	-5.52e-03	7.86e-03	-8.66e-03	-6.95e-04	-1.06e-04	-8.25e-03
24	63	17	0.31	0.14	-0.35	-0.06	-0.15	-0.24	9.08e-03	-6.72e-03	2.59e-03	-2.27e-04	7.77e-03
		25	0.20	-0.03	-0.26	-0.14	-0.15	-0.12	2.20e-03	-0.01	-8.83e-03	-3.52e-03	-7.94e-03
		32	0.17	-0.21	-0.29	-0.21	-0.29	2.14e-03	5.72e-03	-0.01	-5.13e-03	4.05e-04	7.59e-03
		24	0.20	-0.09	-0.32	-0.11	-0.30	0.06	8.22e-03	-8.06e-03	-3.34e-04	4.95e-04	-8.13e-03
24	64	17	0.38	0.23	-0.38	-0.03	-0.12	-0.30	8.30e-03	-7.25e-03	1.86e-03	-8.07e-04	7.66e-03
		25	0.26	0.06	-0.30	-0.12	-0.12	-0.18	1.68e-03	-0.02	-9.55e-03	-4.05e-03	-8.02e-03
		32	0.19	-0.17	-0.31	-0.21	-0.27	-0.06	5.09e-03	-0.01	-5.55e-03	-1.46e-04	7.47e-03
		24	0.16	-0.10	-0.28	-0.10	-0.28	-1.95e-03	7.85e-03	-8.72e-03	-7.72e-04	-9.69e-05	-8.28e-03
24	65	17	0.31	0.14	-0.35	-0.06	-0.15	-0.24	9.07e-03	-6.72e-03	2.59e-03	-2.37e-04	7.77e-03
		25	0.20	-0.03	-0.26	-0.14	-0.15	-0.12	2.20e-03	-0.01	-8.83e-03	-3.52e-03	-7.94e-03
		32	0.17	-0.21	-0.29	-0.21	-0.29	2.14e-03	5.71e-03	-0.01	-5.13e-03	3.98e-04	7.59e-03
		24	0.20	-0.09	-0.32	-0.11	-0.30	0.06	8.22e-03	-8.07e-03	-3.36e-04	4.85e-04	-8.13e-03
24	66	17	0.38	0.23	-0.38	-0.03	-0.12	-0.30	8.30e-03	-7.25e-03	1.86e-03	-8.17e-04	7.66e-03
		25	0.26	0.06	-0.30	-0.12	-0.12	-0.18	1.67e-03	-0.02	-9.55e-03	-4.06e-03	-8.02e-03
		32	0.19	-0.17	-0.31	-0.21	-0.27	-0.06	5.09e-03	-0.01	-5.55e-03	-1.54e-04	7.47e-03
		24	0.16	-0.10	-0.28	-0.10	-0.28	-1.95e-03	7.84e-03	-8.72e-03	-7.74e-04	-1.07e-04	-8.28e-03
24	67	17	0.31	0.14	-0.35	-0.06	-0.15	-0.24	9.07e-03	-6.72e-03	2.59e-03	-2.28e-04	7.77e-03
		25	0.20	-0.03	-0.26	-0.14	-0.15	-0.12	2.20e-03	-0.01	-8.83e-03	-3.52e-03	-7.94e-03
		32	0.17	-0.21	-0.29	-0.21	-0.29	2.14e-03	5.72e-03	-0.01	-5.13e-03	4.05e-04	7.59e-03

		24	0.20	-0.09	-0.32	-0.11	-0.30	0.06	8.22e-03	-8.06e-03	-3.34e-04	4.94e-04	-8.13e-03
24	68	17	0.38	0.23	-0.38	-0.03	-0.12	-0.30	8.30e-03	-7.25e-03	1.86e-03	-8.07e-04	7.66e-03
		25	0.26	0.06	-0.30	-0.12	-0.12	-0.18	1.68e-03	-0.02	-9.55e-03	-4.05e-03	-8.02e-03
		32	0.19	-0.17	-0.31	-0.21	-0.27	-0.06	5.09e-03	-0.01	-5.55e-03	-1.47e-04	7.47e-03
		24	0.16	-0.10	-0.28	-0.10	-0.28	-1.95e-03	7.85e-03	-8.72e-03	-7.72e-04	-9.74e-05	-8.28e-03
24	69	17	0.31	0.14	-0.35	-0.06	-0.15	-0.24	9.07e-03	-6.72e-03	2.59e-03	-2.37e-04	7.77e-03
		25	0.20	-0.03	-0.26	-0.14	-0.15	-0.12	2.20e-03	-0.01	-5.34e-03	1.26e-04	-7.94e-03
		32	0.17	-0.21	-0.29	-0.21	-0.29	2.14e-03	5.71e-03	-0.01	-5.13e-03	3.98e-04	7.59e-03
		24	0.20	-0.09	-0.32	-0.11	-0.30	0.06	8.22e-03	-8.07e-03	-3.36e-04	4.85e-04	-8.13e-03
24	70	17	0.38	0.23	-0.38	-0.03	-0.12	-0.30	8.30e-03	-7.25e-03	1.86e-03	-8.16e-04	7.66e-03
		25	0.26	0.06	-0.30	-0.12	-0.12	-0.18	1.67e-03	-0.02	-9.55e-03	-4.06e-03	-8.02e-03
		32	0.19	-0.17	-0.31	-0.21	-0.27	-0.06	5.09e-03	-0.01	-5.55e-03	-1.54e-04	7.47e-03
		24	0.16	-0.10	-0.28	-0.10	-0.28	-1.95e-03	7.84e-03	-8.72e-03	-7.73e-04	-1.07e-04	-8.28e-03
24	71	17	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		25	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		24	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
24	72	17	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		25	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		24	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
24	73	17	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		25	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		24	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
24	74	17	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		25	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		24	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
24	75	17	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		25	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		24	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
24	76	17	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		25	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
		32	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		24	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
25	1	26	0.26	0.30	-0.11	0.06	0.13	-0.20	4.85e-03	-3.06e-03	7.12e-04	1.08e-03	3.95e-03
		34	0.11	0.16	0.02	0.05	0.13	-0.06	2.15e-03	-6.20e-03	-3.65e-03	-3.97e-04	-3.85e-03
		33	0.22	-0.25	-0.39	-0.28	-0.35	-0.06	1.11e-03	-5.92e-03	-2.11e-03	-2.70e-03	3.50e-03
		25	0.26	-0.17	-0.44	-0.25	-0.36	-0.13	2.53e-04	-7.27e-03	-3.60e-03	-3.42e-03	-3.76e-03
25	2	26	0.26	0.30	-0.11	0.06	0.13	-0.20	4.85e-03	-3.06e-03	7.12e-04	1.08e-03	3.95e-03
		34	0.11	0.16	0.02	0.05	0.13	-0.06	2.15e-03	-6.20e-03	-3.65e-03	-3.97e-04	-3.85e-03
		33	0.22	-0.25	-0.39	-0.28	-0.35	-0.06	1.11e-03	-5.92e-03	-2.11e-03	-2.70e-03	3.50e-03
		25	0.26	-0.17	-0.44	-0.25	-0.36	-0.13	2.53e-04	-7.27e-03	-3.60e-03	-3.42e-03	-3.76e-03
25	3	26	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		33	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		25	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
25	4	26	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		33	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		25	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
25	5	26	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		33	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		25	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
25	6	26	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		33	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		25	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
25	7	26	20.58	32.21	1.00	5.10	28.11	10.54	0.05	-0.09	-0.05	3.14e-03	-0.06
		34	20.63	32.22	0.91	5.12	28.01	-10.68	0.08	-0.04	0.03	0.02	0.06
		33	20.46	31.72	0.53	4.69	27.57	10.59	0.07	-0.05	0.02	1.23e-05	-0.06
		25	20.65	31.97	0.40	4.71	27.66	-10.84	0.03	-0.10	-0.05	-0.02	0.06
25	8	26	4.15	0.11	-5.05	-0.78	-4.16	-1.95	-0.04	-0.38	-0.05	-0.37	-0.07
		34	3.99	0.08	-4.98	-0.78	-4.13	1.90	-0.07	-0.41	-0.07	-0.41	-5.64e-03
		33	6.65	2.34	-6.06	1.74	-5.45	-2.17	0.99	0.30	0.30	0.99	0.01
		25	5.90	1.32	-5.61	1.19	-5.47	0.96	0.90	0.29	0.29	0.90	-2.77e-03
25	9	26	22.49	35.18	1.08	5.57	30.69	11.52	0.05	-0.10	-0.05	3.42e-03	-0.07
		34	22.53	35.18	0.99	5.59	30.58	-11.66	0.09	-0.04	0.03	0.02	0.07
		33	22.36	34.67	0.60	5.14	30.14	11.57	0.08	-0.05	0.02	2.30e-04	-0.06
		25	22.56	34.94	0.46	5.17	30.23	-11.83	0.04	-0.11	-0.06	-0.02	0.07
25	10	26	2.27	0.20	-2.09	-0.32	-1.57	-0.96	-0.04	-0.38	-0.06	-0.37	-0.07
		34	2.13	0.18	-2.04	-0.31	-1.55	0.92	-0.06	-0.41	-0.06	-0.41	8.25e-05
		33	4.88	2.45	-3.15	2.19	-2.88	-1.19	0.99	0.30	0.30	0.99	4.89e-03
		25	4.30	1.64	-2.90	1.64	-2.90	-0.03	0.90	0.29	0.29	0.90	3.40e-03

25	11	26	20.58	32.20	1.00	5.10	28.11	10.53	0.05	-0.09	-0.05	3.08e-03	-0.06
		34	20.63	32.22	0.91	5.12	28.00	-10.68	0.08	-0.04	0.03	0.02	0.06
		33	20.46	31.72	0.54	4.69	27.57	10.59	0.07	-0.05	0.02	-5.00e-05	-0.06
		25	20.65	31.97	0.40	4.71	27.65	-10.84	0.03	-0.10	-0.05	-0.02	0.06
25	12	26	4.14	0.11	-5.04	-0.78	-4.15	-1.95	-0.04	-0.38	-0.05	-0.37	-0.07
		34	4.00	0.08	-4.98	-0.77	-4.13	1.90	-0.07	-0.41	-0.07	-0.41	-5.74e-03
		33	6.65	2.34	-6.05	1.74	-5.45	-2.17	0.99	0.30	0.30	0.99	0.01
		25	5.90	1.33	-5.61	1.19	-5.47	0.96	0.90	0.29	0.29	0.90	-2.77e-03
25	13	26	22.48	35.17	1.08	5.56	30.69	11.52	0.05	-0.10	-0.05	3.36e-03	-0.07
		34	22.53	35.18	0.99	5.59	30.58	-11.67	0.09	-0.04	0.03	0.02	0.07
		33	22.36	34.67	0.60	5.14	30.14	11.57	0.08	-0.05	0.02	1.68e-04	-0.06
		25	22.56	34.93	0.46	5.17	30.23	-11.84	0.04	-0.11	-0.06	-0.02	0.07
25	14	26	2.26	0.20	-2.09	-0.32	-1.57	-0.96	-0.04	-0.38	-0.06	-0.37	-0.07
		34	2.13	0.18	-2.04	-0.31	-1.55	0.92	-0.06	-0.41	-0.06	-0.41	-1.27e-05
		33	4.88	2.45	-3.15	2.19	-2.88	-1.19	0.99	0.30	0.30	0.99	4.89e-03
		25	4.29	1.64	-2.89	1.64	-2.89	-0.03	0.90	0.29	0.29	0.90	3.41e-03
25	15	26	20.58	32.21	1.00	5.10	28.11	10.54	0.05	-0.09	-0.05	3.15e-03	-0.06
		34	20.63	32.22	0.91	5.12	28.01	-10.68	0.08	-0.04	0.03	0.02	0.06
		33	20.46	31.72	0.53	4.69	27.57	10.59	0.07	-0.05	0.02	1.23e-05	-0.06
		25	20.65	31.97	0.40	4.71	27.66	-10.84	0.03	-0.10	-0.05	-0.02	0.06
25	16	26	4.15	0.11	-5.05	-0.78	-4.16	-1.95	-0.04	-0.38	-0.05	-0.37	-0.07
		34	3.99	0.08	-4.98	-0.78	-4.13	1.90	-0.07	-0.41	-0.07	-0.41	-5.66e-03
		33	6.65	2.34	-6.06	1.74	-5.45	-2.17	0.99	0.30	0.30	0.99	0.01
		25	5.90	1.32	-5.61	1.19	-5.47	0.96	0.90	0.29	0.29	0.90	-2.80e-03
25	17	26	22.49	35.18	1.08	5.57	30.69	11.52	0.05	-0.10	-0.05	3.42e-03	-0.07
		34	22.53	35.18	0.99	5.59	30.58	-11.66	0.09	-0.04	0.03	0.02	0.07
		33	22.36	34.67	0.60	5.14	30.14	11.57	0.08	-0.05	0.02	2.30e-04	-0.06
		25	22.56	34.94	0.46	5.17	30.23	-11.83	0.04	-0.11	-0.06	-0.02	0.07
25	18	26	2.27	0.20	-2.09	-0.32	-1.57	-0.96	-0.04	-0.38	-0.06	-0.37	-0.07
		34	2.13	0.18	-2.04	-0.31	-1.55	0.92	-0.06	-0.41	-0.06	-0.41	1.03e-04
		33	4.88	2.45	-3.15	2.19	-2.88	-1.19	0.99	0.30	0.30	0.99	4.93e-03
		25	4.30	1.64	-2.90	1.64	-2.90	-0.03	0.90	0.29	0.29	0.90	3.43e-03
25	19	26	20.58	32.20	1.00	5.10	28.11	10.53	0.05	-0.09	-0.05	3.09e-03	-0.06
		34	20.63	32.22	0.91	5.12	28.00	-10.68	0.08	-0.04	0.03	0.02	0.06
		33	20.46	31.72	0.54	4.69	27.57	10.59	0.07	-0.05	0.02	-5.00e-05	-0.06
		25	20.65	31.97	0.40	4.71	27.65	-10.84	0.03	-0.10	-0.05	-0.02	0.06
25	20	26	4.14	0.11	-5.04	-0.78	-4.15	-1.95	-0.04	-0.38	-0.05	-0.37	-0.07
		34	4.00	0.08	-4.98	-0.77	-4.13	1.90	-0.07	-0.41	-0.07	-0.41	-5.76e-03
		33	6.65	2.34	-6.05	1.74	-5.45	-2.17	0.99	0.30	0.30	0.99	0.01
		25	5.90	1.33	-5.61	1.19	-5.47	0.96	0.90	0.29	0.29	0.90	-2.80e-03
25	21	26	22.48	35.17	1.08	5.56	30.69	11.52	0.05	-0.10	-0.05	3.35e-03	-0.07
		34	22.53	35.18	0.99	5.59	30.58	-11.67	0.09	-0.04	0.03	0.02	0.07
		33	22.36	34.67	0.60	5.14	30.14	11.57	0.08	-0.05	0.02	1.68e-04	-0.06
		25	22.56	34.93	0.46	5.17	30.23	-11.84	0.04	-0.11	-0.06	-0.02	0.07
25	22	26	2.26	0.20	-2.09	-0.32	-1.57	-0.96	-0.04	-0.38	-0.06	-0.37	-0.07
		34	2.13	0.18	-2.04	-0.31	-1.55	0.92	-0.06	-0.41	-0.06	-0.41	8.28e-06
		33	4.88	2.45	-3.15	2.19	-2.88	-1.19	0.99	0.30	0.30	0.99	4.94e-03
		25	4.29	1.64	-2.89	1.64	-2.89	-0.03	0.90	0.29	0.29	0.90	3.43e-03
25	23	26	78.87	123.16	3.40	19.38	107.18	40.72	0.18	-0.35	-0.18	9.86e-03	-0.25
		34	78.69	122.82	3.43	19.46	106.79	-40.71	0.32	-0.15	0.11	0.07	0.24
		33	78.59	122.09	2.59	18.53	106.15	40.63	0.28	-0.19	0.08	6.01e-03	-0.23
		25	79.09	122.77	2.30	18.56	106.51	-41.17	0.14	-0.39	-0.20	-0.05	0.25
25	24	26	3.73	0.59	-1.21	-0.24	-0.38	-0.90	-0.13	-1.29	-0.20	-1.23	-0.27
		34	3.62	0.97	-1.48	-0.19	-0.31	1.22	-0.20	-1.36	-0.20	-1.36	0.02
		33	12.77	8.98	-4.20	8.70	-3.91	-1.92	3.29	1.01	1.01	3.29	-1.15e-03
		25	11.38	7.11	-4.23	6.81	-3.93	-1.83	3.00	0.95	0.95	3.00	0.03
25	25	26	79.44	124.05	3.42	19.52	107.95	41.02	0.18	-0.35	-0.18	9.94e-03	-0.25
		34	79.26	123.71	3.45	19.60	107.56	-41.00	0.33	-0.15	0.11	0.07	0.24
		33	79.16	122.98	2.61	18.67	106.92	40.92	0.28	-0.19	0.08	6.08e-03	-0.24
		25	79.66	123.66	2.32	18.70	107.28	-41.47	0.14	-0.39	-0.20	-0.05	0.26
25	26	26	3.16	0.80	-0.50	-0.10	0.40	-0.60	-0.13	-1.29	-0.20	-1.23	-0.27
		34	3.60	1.17	-0.76	-0.05	0.46	0.93	-0.20	-1.36	-0.20	-1.35	0.02
		33	12.29	9.05	-3.36	8.83	-3.14	-1.63	3.29	1.01	1.01	3.29	-2.87e-03
		25	11.02	7.37	-3.59	6.94	-3.16	-2.13	3.00	0.95	0.95	3.00	0.03
25	27	26	78.87	123.16	3.40	19.38	107.18	40.72	0.18	-0.35	-0.18	9.86e-03	-0.25
		34	78.69	122.82	3.43	19.46	106.79	-40.71	0.32	-0.15	0.11	0.07	0.24
		33	78.59	122.09	2.59	18.53	106.15	40.63	0.28	-0.19	0.08	6.01e-03	-0.23
		25	79.09	122.77	2.30	18.56	106.51	-41.17	0.14	-0.39	-0.20	-0.05	0.25
25	28	26	3.73	0.59	-1.21	-0.24	-0.38	-0.90	-0.13	-1.29	-0.20	-1.23	-0.27
		34	3.62	0.97	-1.48	-0.19	-0.31	1.22	-0.20	-1.36	-0.20	-1.36	0.02
		33	12.77	8.98	-4.20	8.70	-3.91	-1.92	3.29	1.01	1.01	3.29	-1.16e-03
		25	11.38	7.11	-4.23	6.81	-3.93	-1.83	3.00	0.95	0.95	3.00	0.03
25	29	26	79.44	124.05	3.42	19.52	107.95	41.02	0.18	-0.35	-0.18	9.94e-03	-0.25
		34	79.26	123.71	3.45	19.60	107.56	-41.00	0.33	-0.15	0.11	0.07	0.24
		33	79.16	122.98	2.61	18.67	106.92	40.92	0.28	-0.19	0.08	6.08e-03	-0.24
		25	79.66	123.66	2.32	18.70	107.28	-41.47	0.14	-0.39	-0.20	-0.05	0.26
25	30	26	3.16	0.80	-0.50	-0.10	0.40	-0.60	-0.13	-1.29	-0.20	-1.23	-0.27

		34	3.60	1.17	-0.76	-0.05	0.46	0.93	-0.20	-1.36	-0.20	-1.35	0.02
		33	12.29	9.05	-3.36	8.83	-3.14	-1.63	3.29	1.01	1.01	3.29	-2.86e-03
		25	11.02	7.37	-3.59	6.94	-3.16	-2.13	3.00	0.95	0.95	3.00	0.03
25	31	26	78.86	123.13	3.40	19.37	107.16	40.71	0.18	-0.35	-0.18	9.65e-03	-0.25
		34	78.70	122.83	3.42	19.46	106.79	-40.72	0.32	-0.15	0.10	0.07	0.24
		33	78.58	122.08	2.60	18.53	106.15	40.62	0.28	-0.19	0.08	5.80e-03	-0.23
		25	79.09	122.77	2.28	18.56	106.49	-41.18	0.14	-0.39	-0.20	-0.05	0.25
25	32	26	3.71	0.59	-1.19	-0.23	-0.36	-0.89	-0.13	-1.29	-0.20	-1.23	-0.27
		34	3.63	0.99	-1.49	-0.19	-0.31	1.24	-0.20	-1.36	-0.20	-1.36	0.02
		33	12.77	8.98	-4.19	8.70	-3.91	-1.91	3.29	1.01	1.01	3.29	-1.14e-03
		25	11.37	7.11	-4.21	6.81	-3.91	-1.82	3.00	0.95	0.95	3.00	0.03
25	33	26	79.43	124.03	3.42	19.51	107.94	41.01	0.18	-0.35	-0.18	9.73e-03	-0.25
		34	79.27	123.71	3.44	19.60	107.56	-41.01	0.33	-0.15	0.11	0.07	0.24
		33	79.15	122.97	2.62	18.67	106.92	40.91	0.28	-0.19	0.08	5.87e-03	-0.24
		25	79.66	123.66	2.30	18.69	107.26	-41.48	0.14	-0.39	-0.20	-0.05	0.26
25	34	26	3.17	0.81	-0.48	-0.09	0.41	-0.59	-0.13	-1.29	-0.20	-1.23	-0.27
		34	3.60	1.18	-0.77	-0.05	0.46	0.94	-0.20	-1.35	-0.20	-1.35	0.02
		33	12.29	9.05	-3.35	8.83	-3.14	-1.61	3.29	1.01	1.01	3.29	-2.86e-03
		25	11.01	7.37	-3.57	6.95	-3.14	-2.12	3.00	0.95	0.95	3.00	0.03
25	35	26	78.86	123.13	3.40	19.37	107.16	40.71	0.18	-0.35	-0.18	9.65e-03	-0.25
		34	78.70	122.83	3.42	19.46	106.79	-40.72	0.32	-0.15	0.10	0.07	0.24
		33	78.58	122.08	2.60	18.53	106.15	40.62	0.28	-0.19	0.08	5.80e-03	-0.23
		25	79.09	122.77	2.28	18.56	106.49	-41.18	0.14	-0.39	-0.20	-0.05	0.25
25	36	26	3.71	0.59	-1.19	-0.23	-0.36	-0.89	-0.13	-1.29	-0.20	-1.23	-0.27
		34	3.63	0.99	-1.49	-0.19	-0.31	1.24	-0.20	-1.36	-0.20	-1.36	0.02
		33	12.77	8.98	-4.19	8.70	-3.91	-1.91	3.29	1.01	1.01	3.29	-1.15e-03
		25	11.37	7.11	-4.21	6.81	-3.91	-1.82	3.00	0.95	0.95	3.00	0.03
25	37	26	79.43	124.03	3.42	19.51	107.94	41.01	0.18	-0.35	-0.18	9.73e-03	-0.25
		34	79.27	123.71	3.44	19.60	107.56	-41.01	0.33	-0.15	0.11	0.07	0.24
		33	79.15	122.97	2.62	18.67	106.92	40.91	0.28	-0.19	0.08	5.87e-03	-0.24
		25	79.66	123.66	2.30	18.69	107.26	-41.48	0.14	-0.39	-0.20	-0.05	0.26
25	38	26	3.17	0.81	-0.48	-0.09	0.41	-0.59	-0.13	-1.29	-0.20	-1.23	-0.27
		34	3.60	1.18	-0.77	-0.05	0.46	0.94	-0.20	-1.35	-0.20	-1.35	0.02
		33	12.29	9.05	-3.35	8.83	-3.14	-1.61	3.29	1.01	1.01	3.29	-2.85e-03
		25	11.01	7.37	-3.57	6.95	-3.14	-2.12	3.00	0.95	0.95	3.00	0.03
25	39	26	0.19	0.22	-0.09	0.04	0.10	-0.16	3.56e-03	-2.52e-03	2.93e-04	7.47e-04	3.03e-03
		34	0.08	0.11	9.56e-03	0.03	0.09	-0.04	1.54e-03	-4.99e-03	-3.07e-03	-3.82e-04	-2.97e-03
		33	0.17	-0.20	-0.30	-0.22	-0.28	-0.04	6.64e-04	-4.67e-03	-1.86e-03	-2.15e-03	2.66e-03
		25	0.21	-0.14	-0.34	-0.20	-0.28	-0.09	6.64e-05	-5.76e-03	-3.00e-03	-2.69e-03	-2.91e-03
25	40	26	0.20	0.24	-0.08	0.05	0.11	-0.16	3.88e-03	-2.21e-03	7.78e-04	8.91e-04	3.04e-03
		34	0.09	0.14	0.02	0.05	0.11	-0.05	1.76e-03	-4.57e-03	-2.58e-03	-2.32e-04	-2.94e-03
		33	0.16	-0.18	-0.29	-0.21	-0.26	-0.05	1.05e-03	-4.46e-03	-1.40e-03	-2.01e-03	2.74e-03
		25	0.20	-0.12	-0.33	-0.18	-0.27	-0.10	3.05e-04	-5.42e-03	-2.55e-03	-2.57e-03	-2.86e-03
25	41	26	0.19	0.22	-0.09	0.04	0.10	-0.16	3.58e-03	-2.50e-03	3.18e-04	7.63e-04	3.03e-03
		34	0.08	0.11	9.45e-03	0.03	0.09	-0.04	1.55e-03	-4.98e-03	-3.04e-03	-3.78e-04	-2.98e-03
		33	0.17	-0.20	-0.30	-0.22	-0.28	-0.04	6.56e-04	-4.65e-03	-1.85e-03	-2.14e-03	2.65e-03
		25	0.21	-0.14	-0.34	-0.20	-0.28	-0.09	8.64e-05	-5.76e-03	-2.99e-03	-2.69e-03	-2.92e-03
25	42	26	0.20	0.24	-0.08	0.05	0.11	-0.16	3.90e-03	-2.19e-03	8.03e-04	9.07e-04	3.04e-03
		34	0.09	0.14	0.02	0.05	0.11	-0.05	1.77e-03	-4.56e-03	-2.56e-03	-2.28e-04	-2.94e-03
		33	0.16	-0.18	-0.29	-0.21	-0.26	-0.05	1.04e-03	-4.44e-03	-1.39e-03	-2.00e-03	2.72e-03
		25	0.20	-0.12	-0.33	-0.18	-0.27	-0.10	3.25e-04	-5.42e-03	-2.54e-03	-2.56e-03	-2.87e-03
25	43	26	0.19	0.22	-0.09	0.04	0.09	-0.16	3.50e-03	-2.59e-03	1.78e-04	7.24e-04	3.03e-03
		34	0.08	0.11	8.18e-03	0.03	0.09	-0.04	1.46e-03	-5.04e-03	-3.18e-03	-4.03e-04	-2.94e-03
		33	0.17	-0.20	-0.30	-0.22	-0.28	-0.05	5.88e-04	-4.74e-03	-1.99e-03	-2.17e-03	2.66e-03
		25	0.21	-0.14	-0.35	-0.20	-0.28	-0.10	-5.68e-06	-5.84e-03	-3.13e-03	-2.72e-03	-2.91e-03
25	44	26	0.20	0.24	-0.08	0.05	0.11	-0.16	3.95e-03	-2.14e-03	8.93e-04	9.14e-04	3.04e-03
		34	0.09	0.13	0.02	0.05	0.11	-0.05	1.84e-03	-4.52e-03	-2.46e-03	-2.12e-04	-2.97e-03
		33	0.16	-0.18	-0.29	-0.21	-0.26	-0.05	1.13e-03	-4.40e-03	-1.28e-03	-1.98e-03	2.74e-03
		25	0.20	-0.12	-0.33	-0.18	-0.27	-0.10	3.80e-04	-5.35e-03	-2.42e-03	-2.54e-03	-2.86e-03
25	45	26	0.19	0.22	-0.09	0.04	0.09	-0.16	3.52e-03	-2.57e-03	2.03e-04	7.40e-04	3.03e-03
		34	0.08	0.11	8.06e-03	0.03	0.09	-0.04	1.47e-03	-5.03e-03	-3.16e-03	-3.98e-04	-2.94e-03
		33	0.17	-0.20	-0.30	-0.22	-0.28	-0.05	5.80e-04	-4.72e-03	-1.97e-03	-2.17e-03	2.65e-03
		25	0.21	-0.14	-0.35	-0.20	-0.28	-0.10	1.43e-05	-5.84e-03	-3.11e-03	-2.71e-03	-2.92e-03
25	46	26	0.20	0.24	-0.08	0.05	0.11	-0.16	3.97e-03	-2.12e-03	9.18e-04	9.30e-04	3.04e-03
		34	0.09	0.13	0.02	0.05	0.11	-0.05	1.86e-03	-4.51e-03	-2.44e-03	-2.08e-04	-2.98e-03
		33	0.16	-0.18	-0.29	-0.21	-0.26	-0.05	1.12e-03	-4.37e-03	-1.27e-03	-1.98e-03	2.72e-03
		25	0.20	-0.12	-0.33	-0.18	-0.27	-0.10	4.01e-04	-5.35e-03	-2.41e-03	-2.53e-03	-2.87e-03
25	47	26	0.19	0.22	-0.09	0.04	0.10	-0.16	3.56e-03	-2.52e-03	2.94e-04	7.48e-04	3.03e-03
		34	0.08	0.11	9.56e-03	0.03	0.09	-0.04	1.54e-03	-4.99e-03	-3.07e-03	-3.82e-04	-2.98e-03
		33	0.17	-0.20	-0.30	-0.22	-0.28	-0.04	6.47e-04	-4.66e-03	-1.86e-03	-2.15e-03	2.65e-03
		25	0.21	-0.14	-0.34	-0.20	-0.28	-0.09	7.62e-05	-5.77e-03	-3.00e-03	-2.69e-03	-2.92e-03
25	48	26	0.20	0.24	-0.08	0.05	0.11	-0.16	3.88e-03	-2.21e-03	7.79e-04	8.93e-04	3.04e-03
		34	0.09	0.14	0.02	0.05	0.11	-0.05	1.76e-03	-4.58e-03	-2.58e-03	-2.32e-04	-2.95e-03
		33	0.16	-0.18	-0.29	-0.21	-0.26	-0.05	1.04e-03	-4.45e-03	-1.40e-03	-2.01e-03	2.72e-03
		25	0.20	-0.12	-0.33	-0.18	-0.27	-0.10	3.14e-04	-5.43e-03	-2.55e-03	-2.57e-03	-2.87e-03
25	49	26	0.19	0.22	-0.09	0.04	0.10	-0.16	3.58e-03	-2.50e-03	3.17e-04	7.61e-04	3.03e-03
		34	0.08	0.11	9.45e-03	0.03	0.09	-0.04	1.55e-03	-4.97e-03	-3.04e-03	-3.78e-04	-2.97e-03

		33	0.17	-0.20	-0.30	-0.22	-0.28	-0.04	6.72e-04	-4.66e-03	-1.85e-03	-2.14e-03	2.66e-03
		25	0.21	-0.14	-0.34	-0.20	-0.28	-0.09	7.67e-05	-5.75e-03	-2.99e-03	-2.69e-03	-2.91e-03
25	50	26	0.20	0.24	-0.08	0.05	0.11	-0.16	3.90e-03	-2.19e-03	8.02e-04	9.06e-04	3.04e-03
		34	0.09	0.14	0.02	0.05	0.11	-0.05	1.77e-03	-4.55e-03	-2.56e-03	-2.28e-04	-2.94e-03
		33	0.16	-0.18	-0.29	-0.21	-0.26	-0.05	1.06e-03	-4.45e-03	-1.39e-03	-2.00e-03	2.74e-03
		25	0.20	-0.12	-0.33	-0.18	-0.27	-0.10	3.15e-04	-5.41e-03	-2.54e-03	-2.56e-03	-2.86e-03
25	51	26	0.19	0.22	-0.09	0.04	0.09	-0.16	3.50e-03	-2.59e-03	1.78e-04	7.26e-04	3.03e-03
		34	0.08	0.11	8.18e-03	0.03	0.09	-0.04	1.47e-03	-5.05e-03	-3.18e-03	-4.02e-04	-2.95e-03
		33	0.17	-0.20	-0.30	-0.22	-0.28	-0.05	5.72e-04	-4.73e-03	-1.99e-03	-2.17e-03	2.65e-03
		25	0.21	-0.14	-0.35	-0.20	-0.28	-0.10	4.09e-06	-5.85e-03	-3.13e-03	-2.72e-03	-2.92e-03
25	52	26	0.20	0.24	-0.08	0.05	0.11	-0.16	3.95e-03	-2.14e-03	8.94e-04	9.16e-04	3.04e-03
		34	0.09	0.13	0.02	0.05	0.11	-0.05	1.85e-03	-4.52e-03	-2.46e-03	-2.12e-04	-2.98e-03
		33	0.16	-0.18	-0.29	-0.21	-0.26	-0.05	1.12e-03	-4.38e-03	-1.28e-03	-1.98e-03	2.72e-03
		25	0.20	-0.12	-0.33	-0.18	-0.27	-0.10	3.90e-04	-5.35e-03	-2.42e-03	-2.54e-03	-2.87e-03
25	53	26	0.19	0.22	-0.09	0.04	0.09	-0.16	3.51e-03	-2.57e-03	2.02e-04	7.38e-04	3.03e-03
		34	0.08	0.11	8.07e-03	0.03	0.09	-0.04	1.47e-03	-5.02e-03	-3.16e-03	-3.98e-04	-2.94e-03
		33	0.17	-0.20	-0.30	-0.22	-0.28	-0.05	5.96e-04	-4.73e-03	-1.97e-03	-2.17e-03	2.66e-03
		25	0.21	-0.14	-0.35	-0.20	-0.28	-0.10	4.49e-06	-5.83e-03	-3.11e-03	-2.71e-03	-2.91e-03
25	54	26	0.20	0.24	-0.08	0.05	0.11	-0.16	3.96e-03	-2.12e-03	9.17e-04	9.29e-04	3.04e-03
		34	0.09	0.13	0.02	0.05	0.11	-0.05	1.85e-03	-4.50e-03	-2.44e-03	-2.08e-04	-2.97e-03
		33	0.16	-0.18	-0.29	-0.21	-0.26	-0.05	1.14e-03	-4.39e-03	-1.27e-03	-1.98e-03	2.74e-03
		25	0.20	-0.12	-0.33	-0.18	-0.27	-0.10	3.91e-04	-5.34e-03	-2.41e-03	-2.53e-03	-2.86e-03
25	55	26	0.19	0.20	-0.10	0.02	0.08	-0.15	3.21e-03	-2.89e-03	-2.64e-04	5.84e-04	3.02e-03
		34	0.07	0.08	-6.77e-03	0.01	0.06	-0.04	1.29e-03	-5.48e-03	-3.63e-03	-5.56e-04	-3.02e-03
		33	0.19	-0.22	-0.32	-0.24	-0.30	-0.04	2.19e-04	-4.92e-03	-2.39e-03	-2.31e-03	2.57e-03
		25	0.21	-0.15	-0.35	-0.21	-0.30	-0.09	-1.93e-04	-6.17e-03	-3.53e-03	-2.83e-03	-2.97e-03
25	56	26	0.21	0.26	-0.07	0.07	0.13	-0.16	4.26e-03	-1.85e-03	1.35e-03	1.07e-03	3.05e-03
		34	0.10	0.16	0.04	0.07	0.13	-0.05	2.03e-03	-4.09e-03	-2.00e-03	-5.59e-05	-2.90e-03
		33	0.15	-0.16	-0.27	-0.19	-0.24	-0.05	1.51e-03	-4.21e-03	-8.61e-04	-1.84e-03	2.82e-03
		25	0.20	-0.10	-0.32	-0.17	-0.25	-0.10	6.02e-04	-5.04e-03	-2.01e-03	-2.42e-03	-2.81e-03
25	57	26	0.19	0.20	-0.10	0.02	0.08	-0.15	3.22e-03	-2.89e-03	-2.56e-04	5.89e-04	3.02e-03
		34	0.07	0.08	-6.81e-03	0.01	0.06	-0.04	1.30e-03	-5.47e-03	-3.62e-03	-5.54e-04	-3.02e-03
		33	0.19	-0.22	-0.32	-0.24	-0.30	-0.04	2.17e-04	-4.92e-03	-2.39e-03	-2.31e-03	2.57e-03
		25	0.21	-0.15	-0.35	-0.21	-0.30	-0.09	-1.87e-04	-6.17e-03	-3.52e-03	-2.83e-03	-2.97e-03
25	58	26	0.21	0.26	-0.07	0.07	0.13	-0.16	4.27e-03	-1.84e-03	1.36e-03	1.07e-03	3.05e-03
		34	0.10	0.16	0.04	0.07	0.13	-0.05	2.03e-03	-4.08e-03	-2.00e-03	-5.45e-05	-2.90e-03
		33	0.15	-0.16	-0.27	-0.19	-0.24	-0.05	1.51e-03	-4.21e-03	-8.57e-04	-1.84e-03	2.82e-03
		25	0.20	-0.10	-0.32	-0.17	-0.25	-0.10	6.08e-04	-5.04e-03	-2.01e-03	-2.42e-03	-2.81e-03
25	59	26	0.19	0.20	-0.10	0.02	0.08	-0.15	3.21e-03	-2.89e-03	-2.64e-04	5.85e-04	3.02e-03
		34	0.07	0.08	-6.77e-03	0.01	0.06	-0.04	1.30e-03	-5.48e-03	-3.63e-03	-5.56e-04	-3.02e-03
		33	0.19	-0.22	-0.32	-0.24	-0.30	-0.04	2.14e-04	-4.92e-03	-2.39e-03	-2.31e-03	2.57e-03
		25	0.21	-0.15	-0.35	-0.21	-0.30	-0.09	-1.90e-04	-6.17e-03	-3.53e-03	-2.83e-03	-2.97e-03
25	60	26	0.21	0.26	-0.07	0.07	0.13	-0.16	4.27e-03	-1.85e-03	1.35e-03	1.07e-03	3.05e-03
		34	0.10	0.16	0.04	0.07	0.13	-0.05	2.03e-03	-4.09e-03	-2.00e-03	-5.59e-05	-2.90e-03
		33	0.15	-0.16	-0.27	-0.19	-0.24	-0.05	1.51e-03	-4.21e-03	-8.61e-04	-1.84e-03	2.82e-03
		25	0.20	-0.10	-0.32	-0.17	-0.25	-0.10	6.05e-04	-5.04e-03	-2.01e-03	-2.42e-03	-2.81e-03
25	61	26	0.19	0.20	-0.10	0.02	0.08	-0.15	3.22e-03	-2.89e-03	-2.57e-04	5.89e-04	3.02e-03
		34	0.07	0.08	-6.81e-03	0.01	0.06	-0.04	1.30e-03	-5.47e-03	-3.62e-03	-5.54e-04	-3.02e-03
		33	0.19	-0.22	-0.32	-0.24	-0.30	-0.04	2.22e-04	-4.92e-03	-2.39e-03	-2.31e-03	2.57e-03
		25	0.21	-0.15	-0.35	-0.21	-0.30	-0.09	-1.90e-04	-6.17e-03	-3.52e-03	-2.83e-03	-2.97e-03
25	62	26	0.21	0.26	-0.07	0.07	0.13	-0.16	4.27e-03	-1.84e-03	1.36e-03	1.07e-03	3.05e-03
		34	0.10	0.16	0.04	0.07	0.13	-0.05	2.03e-03	-4.08e-03	-2.00e-03	-5.46e-05	-2.90e-03
		33	0.16	-0.16	-0.27	-0.19	-0.24	-0.05	1.52e-03	-4.21e-03	-8.57e-04	-1.84e-03	2.82e-03
		25	0.20	-0.10	-0.32	-0.17	-0.25	-0.10	6.05e-04	-5.03e-03	-2.01e-03	-2.42e-03	-2.81e-03
25	63	26	0.19	0.20	-0.11	0.02	0.07	-0.15	3.01e-03	-3.15e-03	-6.49e-04	5.08e-04	3.02e-03
		34	0.07	0.09	-0.01	0.01	0.06	-0.04	1.04e-03	-5.67e-03	-4.01e-03	-6.23e-04	-2.90e-03
		33	0.19	-0.22	-0.32	-0.24	-0.30	-0.04	-1.80e-05	-5.17e-03	-2.80e-03	-2.39e-03	2.57e-03
		25	0.22	-0.15	-0.36	-0.21	-0.30	-0.09	-4.21e-04	-6.45e-03	-3.94e-03	-2.93e-03	-2.97e-03
25	64	26	0.21	0.26	-0.06	0.07	0.13	-0.16	4.51e-03	-1.63e-03	1.74e-03	1.14e-03	3.05e-03
		34	0.10	0.16	0.04	0.07	0.13	-0.05	2.32e-03	-3.93e-03	-1.62e-03	1.11e-05	-3.02e-03
		33	0.15	-0.16	-0.27	-0.19	-0.24	-0.05	1.79e-03	-4.01e-03	-4.52e-04	-1.76e-03	2.82e-03
		25	0.19	-0.10	-0.32	-0.17	-0.25	-0.10	8.68e-04	-4.80e-03	-1.60e-03	-2.33e-03	-2.81e-03
25	65	26	0.19	0.20	-0.11	0.02	0.07	-0.15	3.01e-03	-3.14e-03	-6.41e-04	5.13e-04	3.02e-03
		34	0.07	0.09	-0.01	0.01	0.06	-0.04	1.05e-03	-5.67e-03	-4.00e-03	-6.21e-04	-2.90e-03
		33	0.19	-0.22	-0.32	-0.24	-0.30	-0.04	-2.06e-05	-5.17e-03	-2.80e-03	-2.39e-03	2.56e-03
		25	0.22	-0.15	-0.36	-0.21	-0.30	-0.09	-4.15e-04	-6.45e-03	-3.94e-03	-2.92e-03	-2.97e-03
25	66	26	0.21	0.26	-0.06	0.07	0.13	-0.16	4.51e-03	-1.62e-03	1.74e-03	1.15e-03	3.05e-03
		34	0.10	0.16	0.04	0.07	0.13	-0.05	2.33e-03	-3.93e-03	-1.61e-03	1.25e-05	-3.02e-03
		33	0.15	-0.16	-0.27	-0.19	-0.24	-0.05	1.79e-03	-4.00e-03	-4.48e-04	-1.76e-03	2.82e-03
		25	0.19	-0.10	-0.32	-0.17	-0.25	-0.10	8.74e-04	-4.80e-03	-1.60e-03	-2.33e-03	-2.81e-03
25	67	26	0.19	0.20	-0.11	0.02	0.07	-0.15	3.01e-03	-3.15e-03	-6.48e-04	5.08e-04	3.02e-03
		34	0.07	0.09	-0.01	0.01	0.06	-0.04	1.04e-03	-5.67e-03	-4.01e-03	-6.23e-04	-2.90e-03
		33	0.19	-0.22	-0.32	-0.24	-0.30	-0.04	-2.29e-05	-5.17e-03	-2.80e-03	-2.39e-03	2.56e-03
		25	0.22	-0.15	-0.36	-0.21	-0.30	-0.09	-4.18e-04	-6.45e-03	-3.94e-03	-2.93e-03	-2.97e-03
25	68	26	0.21	0.26	-0.06	0.07	0.13	-0.16	4.51e-03	-1.63e-03	1.74e-03	1.14e-03	3.05e-03
		34	0.10	0.16	0.04	0.07	0.13	-0.05	2.32e-03	-3.93e-03	-1.62e-03	1.12e-05	-3.02e-03
		33	0.15	-0.16	-0.27	-0.19	-0.24	-0.05	1.79e-03	-4.00e-03	-4.53e-04	-1.76e-03	2.82e-03

		25	0.19	-0.10	-0.32	-0.17	-0.25	-0.10	8.71e-04	-4.80e-03	-1.60e-03	-2.33e-03	-2.81e-03
25	69	26	0.19	0.20	-0.11	0.02	0.07	-0.15	3.01e-03	-3.14e-03	-6.41e-04	5.12e-04	3.02e-03
		34	0.07	0.09	-0.01	0.01	0.06	-0.04	1.04e-03	-5.67e-03	-4.00e-03	-6.21e-04	-2.90e-03
		33	0.19	-0.22	-0.32	-0.24	-0.30	-0.04	-1.57e-05	-5.17e-03	-2.80e-03	-2.39e-03	2.57e-03
		25	0.22	-0.15	-0.36	-0.21	-0.30	-0.09	-4.18e-04	-6.45e-03	-3.94e-03	-2.93e-03	-2.97e-03
25	70	26	0.21	0.26	-0.06	0.07	0.13	-0.16	4.51e-03	-1.62e-03	1.74e-03	1.15e-03	3.05e-03
		34	0.10	0.16	0.04	0.07	0.13	-0.05	2.32e-03	-3.93e-03	-1.61e-03	1.25e-05	-3.02e-03
		33	0.15	-0.16	-0.27	-0.19	-0.24	-0.05	1.79e-03	-4.01e-03	-4.48e-04	-1.76e-03	2.82e-03
		25	0.19	-0.10	-0.32	-0.17	-0.25	-0.10	8.72e-04	-4.79e-03	-1.60e-03	-2.33e-03	-2.81e-03
25	71	26	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		33	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		25	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
25	72	26	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		33	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		25	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
25	73	26	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		33	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		25	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
25	74	26	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		33	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		25	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
25	75	26	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		33	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		25	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
25	76	26	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		33	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		25	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
26	1	26	0.26	0.11	-0.30	-0.06	-0.13	0.20	4.85e-03	-3.06e-03	7.12e-04	1.08e-03	3.95e-03
		34	0.11	-0.02	-0.16	-0.05	-0.13	0.06	2.15e-03	-6.20e-03	-3.65e-03	-3.97e-04	-3.85e-03
		35	0.22	0.39	0.25	0.28	0.35	0.06	1.11e-03	-5.92e-03	-2.11e-03	-2.70e-03	3.50e-03
		27	0.26	0.44	0.17	0.25	0.36	0.13	2.53e-04	-7.27e-03	-3.60e-03	-3.42e-03	-3.76e-03
26	2	26	0.26	0.11	-0.30	-0.06	-0.13	0.20	4.85e-03	-3.06e-03	7.12e-04	1.08e-03	3.95e-03
		34	0.11	-0.02	-0.16	-0.05	-0.13	0.06	2.15e-03	-6.20e-03	-3.65e-03	-3.97e-04	-3.85e-03
		35	0.22	0.39	0.25	0.28	0.35	0.06	1.11e-03	-5.92e-03	-2.11e-03	-2.70e-03	3.50e-03
		27	0.26	0.44	0.17	0.25	0.36	0.13	2.53e-04	-7.27e-03	-3.60e-03	-3.42e-03	-3.76e-03
26	3	26	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		35	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		27	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
26	4	26	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		35	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		27	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
26	5	26	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		35	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		27	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
26	6	26	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		35	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		27	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
26	7	26	20.72	32.23	0.68	5.01	27.91	10.85	0.10	-0.05	0.05	-1.49e-03	0.07
		34	20.50	31.97	0.87	5.03	27.81	-10.59	0.04	-0.09	-0.03	-0.02	-0.07
		35	20.73	32.31	0.92	5.12	28.11	10.69	0.05	-0.08	-0.02	-4.17e-03	0.06
		27	20.75	32.37	0.94	5.09	28.21	-10.65	0.10	-0.04	0.05	9.74e-03	-0.07
26	8	26	3.92	0.11	-5.12	-0.46	-4.54	-1.64	0.32	0.07	0.08	0.32	-0.02
		34	4.15	0.28	-5.23	-0.42	-4.53	1.83	0.35	0.08	0.08	0.35	-8.34e-03
		35	3.27	-0.02	-4.89	-0.73	-4.19	-1.71	5.50e-03	-0.07	5.01e-03	-0.07	6.04e-03
		27	3.38	0.03	-4.98	-0.74	-4.21	1.81	-0.01	-0.07	-0.02	-0.07	0.02
26	9	26	22.62	35.20	0.76	5.48	30.49	11.84	0.10	-0.05	0.05	-1.76e-03	0.08
		34	22.40	34.93	0.95	5.50	30.38	-11.57	0.04	-0.10	-0.03	-0.02	-0.07
		35	22.62	35.26	0.99	5.57	30.67	11.67	0.06	-0.09	-0.03	-4.39e-03	0.07
		27	22.66	35.33	1.00	5.55	30.78	-11.64	0.11	-0.05	0.05	0.01	-0.08
26	10	26	2.08	0.20	-2.16	5.96e-03	-1.96	-0.65	0.32	0.08	0.08	0.32	-0.01
		34	2.30	0.36	-2.27	0.04	-1.95	0.85	0.35	0.08	0.08	0.35	-0.01
		35	1.38	0.05	-1.94	-0.27	-1.62	-0.73	4.75e-03	-0.07	2.89e-03	-0.07	0.01
		27	1.48	0.10	-2.02	-0.29	-1.63	0.82	-8.72e-03	-0.07	-0.01	-0.06	0.01
26	11	26	20.72	32.23	0.68	5.01	27.90	10.85	0.10	-0.05	0.05	-1.43e-03	0.07
		34	20.51	31.97	0.87	5.03	27.81	-10.59	0.04	-0.09	-0.03	-0.02	-0.07
		35	20.72	32.31	0.92	5.12	28.11	10.68	0.05	-0.08	-0.02	-4.10e-03	0.06
		27	20.75	32.36	0.93	5.09	28.20	-10.65	0.10	-0.04	0.05	9.82e-03	-0.07

26	12	26	3.92	0.11	-5.11	-0.46	-4.54	-1.63	0.32	0.07	0.07	0.32	-0.02
		34	4.15	0.28	-5.23	-0.42	-4.53	1.84	0.35	0.08	0.08	0.35	-8.25e-03
		35	3.27	-0.03	-4.89	-0.73	-4.19	-1.71	5.16e-03	-0.07	4.67e-03	-0.07	6.04e-03
		27	3.38	0.03	-4.98	-0.74	-4.20	1.81	-0.01	-0.07	-0.02	-0.07	0.02
26	13	26	22.62	35.20	0.76	5.48	30.48	11.83	0.10	-0.05	0.05	-1.70e-03	0.08
		34	22.40	34.94	0.95	5.50	30.38	-11.57	0.04	-0.10	-0.03	-0.02	-0.07
		35	22.62	35.26	0.99	5.57	30.67	11.67	0.06	-0.09	-0.03	-4.32e-03	0.07
		27	22.66	35.33	1.00	5.55	30.78	-11.64	0.11	-0.05	0.05	0.01	-0.08
26	14	26	2.08	0.20	-2.15	7.94e-03	-1.96	-0.65	0.32	0.08	0.08	0.32	-0.01
		34	2.30	0.36	-2.27	0.05	-1.95	0.86	0.35	0.07	0.08	0.35	-0.01
		35	1.37	0.04	-1.94	-0.27	-1.62	-0.73	4.42e-03	-0.07	2.55e-03	-0.07	0.01
		27	1.48	0.10	-2.02	-0.29	-1.63	0.82	-9.05e-03	-0.07	-0.01	-0.06	0.01
26	15	26	20.72	32.23	0.68	5.01	27.91	10.85	0.10	-0.05	0.05	-1.49e-03	0.07
		34	20.50	31.97	0.87	5.03	27.81	-10.59	0.04	-0.09	-0.03	-0.02	-0.07
		35	20.73	32.31	0.92	5.12	28.11	10.69	0.05	-0.08	-0.02	-4.17e-03	0.06
		27	20.75	32.37	0.94	5.09	28.21	-10.65	0.10	-0.04	0.05	9.75e-03	-0.07
26	16	26	3.92	0.11	-5.12	-0.46	-4.54	-1.64	0.32	0.07	0.08	0.32	-0.02
		34	4.15	0.28	-5.23	-0.42	-4.53	1.83	0.35	0.08	0.08	0.35	-8.32e-03
		35	3.27	-0.02	-4.89	-0.73	-4.19	-1.71	5.50e-03	-0.07	5.01e-03	-0.07	6.08e-03
		27	3.38	0.03	-4.98	-0.74	-4.21	1.81	-0.01	-0.07	-0.02	-0.07	0.02
26	17	26	22.62	35.20	0.76	5.48	30.49	11.84	0.10	-0.05	0.05	-1.77e-03	0.08
		34	22.40	34.93	0.95	5.50	30.38	-11.57	0.04	-0.10	-0.03	-0.02	-0.07
		35	22.62	35.26	0.99	5.57	30.67	11.67	0.06	-0.09	-0.03	-4.39e-03	0.07
		27	22.66	35.33	1.00	5.55	30.78	-11.64	0.11	-0.05	0.05	0.01	-0.08
26	18	26	2.08	0.20	-2.16	5.97e-03	-1.96	-0.65	0.32	0.08	0.08	0.32	-0.01
		34	2.30	0.36	-2.27	0.04	-1.95	0.85	0.35	0.08	0.08	0.35	-0.01
		35	1.38	0.05	-1.94	-0.27	-1.62	-0.73	4.74e-03	-0.07	2.89e-03	-0.07	0.01
		27	1.48	0.10	-2.02	-0.29	-1.63	0.82	-8.72e-03	-0.07	-0.01	-0.06	0.01
26	19	26	20.72	32.23	0.68	5.01	27.90	10.85	0.10	-0.05	0.05	-1.43e-03	0.07
		34	20.51	31.97	0.87	5.03	27.81	-10.59	0.04	-0.09	-0.03	-0.02	-0.07
		35	20.72	32.31	0.92	5.12	28.11	10.68	0.05	-0.08	-0.02	-4.11e-03	0.06
		27	20.75	32.36	0.93	5.09	28.20	-10.65	0.10	-0.04	0.05	9.82e-03	-0.07
26	20	26	3.92	0.11	-5.11	-0.46	-4.54	-1.63	0.32	0.07	0.07	0.32	-0.02
		34	4.15	0.28	-5.23	-0.42	-4.53	1.84	0.35	0.08	0.08	0.35	-8.23e-03
		35	3.27	-0.03	-4.89	-0.73	-4.19	-1.71	5.17e-03	-0.07	4.67e-03	-0.07	6.08e-03
		27	3.38	0.03	-4.98	-0.74	-4.20	1.81	-0.01	-0.07	-0.02	-0.07	0.02
26	21	26	22.62	35.20	0.76	5.48	30.48	11.83	0.10	-0.05	0.05	-1.70e-03	0.08
		34	22.40	34.94	0.95	5.50	30.38	-11.57	0.04	-0.10	-0.03	-0.02	-0.07
		35	22.62	35.26	0.99	5.57	30.67	11.67	0.06	-0.09	-0.03	-4.32e-03	0.07
		27	22.66	35.33	1.00	5.55	30.78	-11.64	0.11	-0.05	0.05	0.01	-0.08
26	22	26	2.08	0.20	-2.15	7.95e-03	-1.96	-0.65	0.32	0.08	0.08	0.32	-0.01
		34	2.30	0.36	-2.27	0.05	-1.95	0.86	0.35	0.07	0.08	0.35	-0.01
		35	1.37	0.04	-1.94	-0.27	-1.62	-0.73	4.41e-03	-0.07	2.55e-03	-0.07	0.01
		27	1.48	0.10	-2.02	-0.29	-1.63	0.82	-9.05e-03	-0.07	-0.01	-0.06	0.01
26	23	26	79.01	123.18	3.08	19.29	106.97	41.04	0.36	-0.19	0.18	-8.20e-03	0.26
		34	78.56	122.58	3.39	19.38	106.59	-40.61	0.15	-0.33	-0.11	-0.07	-0.24
		35	78.85	122.68	2.97	18.96	106.69	40.72	0.19	-0.29	-0.09	-0.01	0.24
		27	79.18	123.17	2.83	18.95	107.06	-40.98	0.39	-0.15	0.19	0.04	-0.26
26	24	26	3.44	1.20	-1.34	1.05	-1.19	-0.60	1.05	0.27	0.27	1.05	-0.03
		34	3.92	1.42	-1.45	1.18	-1.20	0.80	1.17	0.25	0.25	1.17	-0.05
		35	1.17	-0.09	-1.38	-0.52	-0.96	-0.61	0.02	-0.24	9.38e-03	-0.23	0.04
		27	1.26	-0.16	-1.34	-0.51	-0.99	0.54	-0.02	-0.21	-0.02	-0.21	0.03
26	25	26	79.58	124.07	3.10	19.43	107.75	41.33	0.36	-0.19	0.18	-8.28e-03	0.26
		34	79.13	123.46	3.42	19.52	107.37	-40.91	0.15	-0.34	-0.11	-0.07	-0.24
		35	79.42	123.57	3.00	19.10	107.46	41.02	0.20	-0.29	-0.09	-0.01	0.24
		27	79.76	124.06	2.85	19.08	107.83	-41.28	0.39	-0.15	0.19	0.04	-0.26
26	26	26	2.95	1.24	-0.47	1.19	-0.42	-0.30	1.05	0.27	0.27	1.05	-0.03
		34	3.40	1.45	-0.57	1.32	-0.43	0.51	1.17	0.25	0.25	1.17	-0.05
		35	0.83	0.04	-0.61	-0.38	-0.19	-0.31	0.02	-0.24	8.74e-03	-0.23	0.05
		27	0.70	-0.04	-0.55	-0.37	-0.22	0.24	-0.01	-0.21	-0.02	-0.21	0.03
26	27	26	79.01	123.18	3.08	19.29	106.97	41.04	0.36	-0.19	0.18	-8.20e-03	0.26
		34	78.56	122.58	3.39	19.38	106.59	-40.61	0.15	-0.33	-0.11	-0.07	-0.24
		35	78.85	122.68	2.97	18.96	106.69	40.72	0.19	-0.29	-0.09	-0.01	0.24
		27	79.18	123.17	2.83	18.95	107.06	-40.98	0.39	-0.15	0.19	0.04	-0.26
26	28	26	3.44	1.20	-1.34	1.05	-1.19	-0.60	1.05	0.27	0.27	1.05	-0.03
		34	3.92	1.42	-1.45	1.18	-1.20	0.80	1.17	0.25	0.25	1.17	-0.05
		35	1.17	-0.09	-1.38	-0.52	-0.96	-0.61	0.02	-0.24	9.37e-03	-0.23	0.04
		27	1.26	-0.16	-1.34	-0.51	-0.99	0.54	-0.02	-0.21	-0.02	-0.21	0.03
26	29	26	79.58	124.07	3.10	19.43	107.75	41.33	0.36	-0.19	0.18	-8.28e-03	0.26
		34	79.13	123.46	3.42	19.52	107.37	-40.91	0.15	-0.34	-0.11	-0.07	-0.24
		35	79.42	123.57	3.00	19.10	107.46	41.02	0.20	-0.29	-0.09	-0.01	0.24
		27	79.76	124.06	2.85	19.08	107.83	-41.28	0.39	-0.15	0.19	0.04	-0.26
26	30	26	2.95	1.24	-0.47	1.19	-0.42	-0.30	1.05	0.27	0.27	1.05	-0.03
		34	3.40	1.45	-0.57	1.32	-0.43	0.51	1.17	0.25	0.25	1.17	-0.05
		35	0.83	0.04	-0.61	-0.38	-0.19	-0.31	0.02	-0.24	8.74e-03	-0.23	0.05
		27	0.70	-0.04	-0.55	-0.37	-0.22	0.24	-0.01	-0.21	-0.02	-0.21	0.03
26	31	26	78.99	123.16	3.08	19.28	106.96	41.03	0.36	-0.19	0.18	-8.00e-03	0.26

		34	78.57	122.58	3.38	19.37	106.59	-40.63	0.15	-0.33	-0.11	-0.07	-0.24
		35	78.85	122.67	2.98	18.96	106.69	40.71	0.19	-0.29	-0.08	-9.97e-03	0.24
		27	79.18	123.16	2.82	18.94	107.04	-40.99	0.39	-0.15	0.19	0.04	-0.26
26	32	26	3.43	1.20	-1.32	1.05	-1.18	-0.59	1.05	0.27	0.27	1.05	-0.03
		34	3.92	1.43	-1.45	1.18	-1.20	0.81	1.17	0.25	0.25	1.17	-0.05
		35	1.16	-0.10	-1.37	-0.52	-0.96	-0.60	0.02	-0.24	8.25e-03	-0.23	0.04
		27	1.26	-0.14	-1.34	-0.50	-0.98	0.55	-0.02	-0.21	-0.02	-0.21	0.03
26	33	26	79.56	124.05	3.10	19.42	107.73	41.32	0.36	-0.19	0.18	-8.08e-03	0.26
		34	79.14	123.47	3.41	19.51	107.36	-40.92	0.15	-0.33	-0.11	-0.07	-0.24
		35	79.42	123.56	3.00	19.10	107.46	41.00	0.20	-0.29	-0.09	-0.01	0.24
		27	79.76	124.05	2.84	19.08	107.82	-41.29	0.39	-0.15	0.19	0.05	-0.26
26	34	26	2.94	1.25	-0.45	1.19	-0.40	-0.29	1.05	0.27	0.27	1.05	-0.03
		34	3.40	1.46	-0.57	1.32	-0.43	0.52	1.17	0.25	0.25	1.17	-0.05
		35	0.82	0.03	-0.60	-0.38	-0.19	-0.30	0.02	-0.24	7.61e-03	-0.23	0.05
		27	0.70	-0.02	-0.55	-0.37	-0.20	0.25	-0.02	-0.21	-0.02	-0.21	0.03
26	35	26	78.99	123.16	3.08	19.28	106.96	41.03	0.36	-0.19	0.18	-8.00e-03	0.26
		34	78.57	122.58	3.38	19.37	106.59	-40.63	0.15	-0.33	-0.11	-0.07	-0.24
		35	78.85	122.67	2.98	18.96	106.69	40.71	0.19	-0.29	-0.08	-9.97e-03	0.24
		27	79.18	123.16	2.82	18.94	107.04	-40.99	0.39	-0.15	0.19	0.04	-0.26
26	36	26	3.43	1.20	-1.32	1.05	-1.18	-0.59	1.05	0.27	0.27	1.05	-0.03
		34	3.92	1.43	-1.45	1.18	-1.20	0.81	1.17	0.25	0.25	1.17	-0.05
		35	1.16	-0.10	-1.37	-0.52	-0.96	-0.60	0.02	-0.24	8.25e-03	-0.23	0.04
		27	1.26	-0.14	-1.34	-0.50	-0.98	0.55	-0.02	-0.21	-0.02	-0.21	0.03
26	37	26	79.56	124.05	3.10	19.42	107.73	41.32	0.36	-0.19	0.18	-8.08e-03	0.26
		34	79.14	123.47	3.41	19.51	107.36	-40.92	0.15	-0.33	-0.11	-0.07	-0.24
		35	79.42	123.56	3.00	19.10	107.46	41.00	0.20	-0.29	-0.09	-0.01	0.24
		27	79.76	124.05	2.84	19.08	107.82	-41.29	0.39	-0.15	0.19	0.05	-0.26
26	38	26	2.94	1.25	-0.45	1.19	-0.40	-0.29	1.05	0.27	0.27	1.05	-0.03
		34	3.40	1.46	-0.57	1.32	-0.43	0.52	1.17	0.25	0.25	1.17	-0.05
		35	0.82	0.03	-0.60	-0.38	-0.19	-0.30	0.02	-0.24	7.61e-03	-0.23	0.05
		27	0.70	-0.02	-0.55	-0.37	-0.20	0.25	-0.02	-0.21	-0.02	-0.21	0.03
26	39	26	0.20	0.08	-0.24	-0.05	-0.11	0.16	3.90e-03	-2.19e-03	8.02e-04	9.06e-04	3.04e-03
		34	0.09	-0.02	-0.14	-0.05	-0.11	0.05	1.77e-03	-4.56e-03	-2.56e-03	-2.28e-04	-2.95e-03
		35	0.16	0.29	0.18	0.21	0.26	0.05	1.04e-03	-4.44e-03	-1.39e-03	-2.00e-03	2.72e-03
		27	0.20	0.33	0.12	0.18	0.27	0.10	3.23e-04	-5.42e-03	-2.54e-03	-2.56e-03	-2.87e-03
26	40	26	0.19	0.09	-0.22	-0.04	-0.10	0.16	3.58e-03	-2.50e-03	3.19e-04	7.62e-04	3.03e-03
		34	0.08	-9.46e-03	-0.11	-0.03	-0.09	0.04	1.56e-03	-4.97e-03	-3.04e-03	-3.77e-04	-2.98e-03
		35	0.17	0.30	0.20	0.22	0.28	0.04	6.59e-04	-4.65e-03	-1.84e-03	-2.14e-03	2.65e-03
		27	0.21	0.34	0.14	0.20	0.28	0.09	8.78e-05	-5.76e-03	-2.99e-03	-2.69e-03	-2.92e-03
26	41	26	0.20	0.08	-0.24	-0.05	-0.11	0.16	3.88e-03	-2.21e-03	7.77e-04	8.92e-04	3.04e-03
		34	0.09	-0.02	-0.14	-0.05	-0.11	0.05	1.76e-03	-4.57e-03	-2.58e-03	-2.33e-04	-2.94e-03
		35	0.16	0.29	0.18	0.21	0.26	0.05	1.05e-03	-4.46e-03	-1.41e-03	-2.01e-03	2.74e-03
		27	0.20	0.33	0.12	0.18	0.27	0.10	3.03e-04	-5.42e-03	-2.55e-03	-2.57e-03	-2.86e-03
26	42	26	0.19	0.09	-0.22	-0.04	-0.10	0.16	3.56e-03	-2.52e-03	2.94e-04	7.48e-04	3.03e-03
		34	0.08	-9.58e-03	-0.11	-0.03	-0.09	0.04	1.54e-03	-4.98e-03	-3.07e-03	-3.82e-04	-2.97e-03
		35	0.17	0.30	0.20	0.22	0.28	0.04	6.65e-04	-4.67e-03	-1.86e-03	-2.15e-03	2.66e-03
		27	0.21	0.34	0.14	0.20	0.28	0.09	6.85e-05	-5.76e-03	-3.00e-03	-2.69e-03	-2.91e-03
26	43	26	0.20	0.08	-0.24	-0.05	-0.11	0.16	3.97e-03	-2.12e-03	9.18e-04	9.29e-04	3.04e-03
		34	0.09	-0.02	-0.13	-0.05	-0.11	0.05	1.86e-03	-4.51e-03	-2.44e-03	-2.08e-04	-2.98e-03
		35	0.16	0.29	0.18	0.21	0.26	0.05	1.12e-03	-4.37e-03	-1.27e-03	-1.98e-03	2.72e-03
		27	0.20	0.33	0.12	0.18	0.27	0.10	4.00e-04	-5.35e-03	-2.41e-03	-2.54e-03	-2.87e-03
26	44	26	0.19	0.09	-0.22	-0.04	-0.09	0.16	3.52e-03	-2.57e-03	2.03e-04	7.39e-04	3.03e-03
		34	0.08	-8.06e-03	-0.11	-0.03	-0.09	0.04	1.47e-03	-5.03e-03	-3.16e-03	-3.98e-04	-2.95e-03
		35	0.17	0.30	0.20	0.22	0.28	0.05	5.81e-04	-4.72e-03	-1.97e-03	-2.17e-03	2.65e-03
		27	0.21	0.35	0.14	0.20	0.28	0.10	1.45e-05	-5.84e-03	-3.11e-03	-2.71e-03	-2.92e-03
26	45	26	0.20	0.08	-0.24	-0.05	-0.11	0.16	3.95e-03	-2.14e-03	8.93e-04	9.15e-04	3.04e-03
		34	0.09	-0.02	-0.13	-0.05	-0.11	0.05	1.84e-03	-4.52e-03	-2.46e-03	-2.12e-04	-2.97e-03
		35	0.16	0.29	0.18	0.21	0.26	0.05	1.13e-03	-4.40e-03	-1.28e-03	-1.98e-03	2.74e-03
		27	0.20	0.33	0.12	0.18	0.27	0.10	3.80e-04	-5.35e-03	-2.43e-03	-2.54e-03	-2.86e-03
26	46	26	0.19	0.09	-0.22	-0.04	-0.09	0.16	3.50e-03	-2.59e-03	1.78e-04	7.25e-04	3.03e-03
		34	0.08	-8.18e-03	-0.11	-0.03	-0.09	0.04	1.46e-03	-5.04e-03	-3.18e-03	-4.03e-04	-2.94e-03
		35	0.17	0.30	0.20	0.22	0.28	0.05	5.88e-04	-4.74e-03	-1.99e-03	-2.17e-03	2.66e-03
		27	0.21	0.35	0.14	0.20	0.28	0.10	-4.73e-06	-5.84e-03	-3.13e-03	-2.72e-03	-2.91e-03
26	47	26	0.20	0.08	-0.24	-0.05	-0.11	0.16	3.90e-03	-2.19e-03	8.02e-04	9.07e-04	3.04e-03
		34	0.09	-0.02	-0.14	-0.05	-0.11	0.05	1.77e-03	-4.55e-03	-2.56e-03	-2.28e-04	-2.94e-03
		35	0.16	0.29	0.18	0.21	0.26	0.05	1.06e-03	-4.46e-03	-1.39e-03	-2.00e-03	2.74e-03
		27	0.20	0.33	0.12	0.18	0.27	0.10	3.13e-04	-5.41e-03	-2.54e-03	-2.56e-03	-2.86e-03
26	48	26	0.19	0.09	-0.22	-0.04	-0.10	0.16	3.58e-03	-2.50e-03	3.18e-04	7.62e-04	3.03e-03
		34	0.08	-9.46e-03	-0.11	-0.03	-0.09	0.04	1.55e-03	-4.97e-03	-3.04e-03	-3.77e-04	-2.97e-03
		35	0.17	0.30	0.20	0.22	0.28	0.04	6.74e-04	-4.66e-03	-1.85e-03	-2.14e-03	2.66e-03
		27	0.21	0.34	0.14	0.20	0.28	0.09	7.82e-05	-5.75e-03	-2.99e-03	-2.68e-03	-2.91e-03
26	49	26	0.20	0.08	-0.24	-0.05	-0.11	0.16	3.88e-03	-2.21e-03	7.78e-04	8.92e-04	3.04e-03
		34	0.09	-0.02	-0.14	-0.05	-0.11	0.05	1.76e-03	-4.58e-03	-2.58e-03	-2.33e-04	-2.94e-03
		35	0.16	0.29	0.18	0.21	0.26	0.05	1.03e-03	-4.45e-03	-1.41e-03	-2.01e-03	2.72e-03
		27	0.20	0.33	0.12	0.18	0.27	0.10	3.13e-04	-5.43e-03	-2.55e-03	-2.57e-03	-2.87e-03
26	50	26	0.19	0.09	-0.22	-0.04	-0.10	0.16	3.56e-03	-2.52e-03	2.94e-04	7.47e-04	3.03e-03
		34	0.08	-9.58e-03	-0.11	-0.03	-0.09	0.04	1.54e-03	-4.99e-03	-3.06e-03	-3.82e-04	-2.98e-03

		35	0.17	0.30	0.20	0.22	0.28	0.04	6.50e-04	-4.66e-03	-1.86e-03	-2.15e-03	2.65e-03
		27	0.21	0.34	0.14	0.20	0.28	0.09	7.81e-05	-5.77e-03	-3.00e-03	-2.69e-03	-2.92e-03
26	51	26	0.20	0.08	-0.24	-0.05	-0.11	0.16	3.97e-03	-2.12e-03	9.18e-04	9.29e-04	3.04e-03
		34	0.09	-0.02	-0.13	-0.05	-0.11	0.05	1.85e-03	-4.50e-03	-2.44e-03	-2.08e-04	-2.97e-03
		35	0.16	0.29	0.18	0.21	0.26	0.05	1.14e-03	-4.39e-03	-1.27e-03	-1.98e-03	2.74e-03
		27	0.20	0.33	0.12	0.18	0.27	0.10	3.90e-04	-5.34e-03	-2.41e-03	-2.53e-03	-2.86e-03
26	52	26	0.19	0.09	-0.22	-0.04	-0.09	0.16	3.52e-03	-2.57e-03	2.02e-04	7.40e-04	3.03e-03
		34	0.08	-8.07e-03	-0.11	-0.03	-0.09	0.04	1.47e-03	-5.02e-03	-3.16e-03	-3.98e-04	-2.94e-03
		35	0.17	0.30	0.20	0.22	0.28	0.05	5.96e-04	-4.73e-03	-1.97e-03	-2.17e-03	2.66e-03
		27	0.21	0.35	0.14	0.20	0.28	0.10	4.91e-06	-5.83e-03	-3.11e-03	-2.71e-03	-2.91e-03
26	53	26	0.20	0.08	-0.24	-0.05	-0.11	0.16	3.95e-03	-2.14e-03	8.94e-04	9.14e-04	3.04e-03
		34	0.09	-0.02	-0.13	-0.05	-0.11	0.05	1.85e-03	-4.52e-03	-2.46e-03	-2.12e-04	-2.98e-03
		35	0.16	0.29	0.18	0.21	0.26	0.05	1.12e-03	-4.38e-03	-1.28e-03	-1.98e-03	2.72e-03
		27	0.20	0.33	0.12	0.18	0.27	0.10	3.90e-04	-5.36e-03	-2.42e-03	-2.54e-03	-2.87e-03
26	54	26	0.19	0.09	-0.22	-0.04	-0.09	0.16	3.50e-03	-2.59e-03	1.78e-04	7.25e-04	3.03e-03
		34	0.08	-8.18e-03	-0.11	-0.03	-0.09	0.04	1.46e-03	-5.05e-03	-3.18e-03	-4.02e-04	-2.94e-03
		35	0.17	0.30	0.20	0.22	0.28	0.05	5.72e-04	-4.73e-03	-1.98e-03	-2.17e-03	2.65e-03
		27	0.21	0.35	0.14	0.20	0.28	0.10	4.81e-06	-5.85e-03	-3.12e-03	-2.72e-03	-2.92e-03
26	55	26	0.21	0.07	-0.26	-0.07	-0.13	0.16	4.27e-03	-1.84e-03	1.36e-03	1.07e-03	3.05e-03
		34	0.10	-0.04	-0.16	-0.07	-0.13	0.05	2.03e-03	-4.09e-03	-2.00e-03	-5.62e-05	-2.90e-03
		35	0.16	0.27	0.16	0.19	0.24	0.05	1.50e-03	-4.21e-03	-8.67e-04	-1.84e-03	2.82e-03
		27	0.20	0.32	0.10	0.17	0.25	0.10	6.01e-04	-5.04e-03	-2.02e-03	-2.42e-03	-2.81e-03
26	56	26	0.19	0.10	-0.20	-0.02	-0.08	0.15	3.22e-03	-2.88e-03	-2.54e-04	5.89e-04	3.02e-03
		34	0.07	6.77e-03	-0.08	-0.01	-0.06	0.04	1.30e-03	-5.47e-03	-3.62e-03	-5.53e-04	-3.02e-03
		35	0.19	0.32	0.22	0.24	0.30	0.04	2.24e-04	-4.91e-03	-2.38e-03	-2.31e-03	2.57e-03
		27	0.21	0.35	0.15	0.21	0.30	0.09	-1.82e-04	-6.16e-03	-3.51e-03	-2.83e-03	-2.97e-03
26	57	26	0.21	0.07	-0.26	-0.07	-0.13	0.16	4.26e-03	-1.85e-03	1.35e-03	1.07e-03	3.05e-03
		34	0.10	-0.04	-0.16	-0.07	-0.13	0.05	2.03e-03	-4.09e-03	-2.01e-03	-5.76e-05	-2.90e-03
		35	0.16	0.27	0.16	0.19	0.24	0.05	1.50e-03	-4.22e-03	-8.72e-04	-1.84e-03	2.82e-03
		27	0.20	0.32	0.10	0.17	0.25	0.10	5.95e-04	-5.04e-03	-2.02e-03	-2.42e-03	-2.81e-03
26	58	26	0.19	0.10	-0.20	-0.02	-0.08	0.15	3.21e-03	-2.89e-03	-2.62e-04	5.85e-04	3.02e-03
		34	0.07	6.73e-03	-0.08	-0.01	-0.06	0.04	1.30e-03	-5.47e-03	-3.62e-03	-5.54e-04	-3.02e-03
		35	0.19	0.32	0.22	0.24	0.30	0.04	2.26e-04	-4.92e-03	-2.38e-03	-2.31e-03	2.57e-03
		27	0.21	0.35	0.15	0.21	0.30	0.09	-1.87e-04	-6.16e-03	-3.52e-03	-2.83e-03	-2.97e-03
26	59	26	0.21	0.07	-0.26	-0.07	-0.13	0.16	4.27e-03	-1.84e-03	1.36e-03	1.07e-03	3.05e-03
		34	0.10	-0.04	-0.16	-0.07	-0.13	0.05	2.03e-03	-4.08e-03	-2.00e-03	-5.63e-05	-2.90e-03
		35	0.16	0.27	0.16	0.19	0.24	0.05	1.51e-03	-4.22e-03	-8.68e-04	-1.84e-03	2.82e-03
		27	0.20	0.32	0.10	0.17	0.25	0.10	5.98e-04	-5.04e-03	-2.02e-03	-2.42e-03	-2.81e-03
26	60	26	0.19	0.10	-0.20	-0.02	-0.08	0.15	3.22e-03	-2.88e-03	-2.54e-04	5.89e-04	3.02e-03
		34	0.07	6.77e-03	-0.08	-0.01	-0.06	0.04	1.30e-03	-5.47e-03	-3.62e-03	-5.53e-04	-3.02e-03
		35	0.19	0.32	0.22	0.24	0.30	0.04	2.29e-04	-4.92e-03	-2.38e-03	-2.31e-03	2.57e-03
		27	0.21	0.35	0.15	0.21	0.30	0.09	-1.85e-04	-6.16e-03	-3.51e-03	-2.83e-03	-2.97e-03
26	61	26	0.21	0.07	-0.26	-0.07	-0.13	0.16	4.27e-03	-1.85e-03	1.35e-03	1.07e-03	3.05e-03
		34	0.10	-0.04	-0.16	-0.07	-0.13	0.05	2.03e-03	-4.09e-03	-2.01e-03	-5.76e-05	-2.90e-03
		35	0.16	0.27	0.16	0.19	0.24	0.05	1.50e-03	-4.22e-03	-8.72e-04	-1.84e-03	2.82e-03
		27	0.20	0.32	0.10	0.17	0.25	0.10	5.98e-04	-5.04e-03	-2.02e-03	-2.42e-03	-2.81e-03
26	62	26	0.19	0.10	-0.20	-0.02	-0.08	0.15	3.21e-03	-2.89e-03	-2.61e-04	5.84e-04	3.02e-03
		34	0.07	6.73e-03	-0.08	-0.01	-0.06	0.04	1.30e-03	-5.47e-03	-3.62e-03	-5.54e-04	-3.02e-03
		35	0.19	0.32	0.22	0.24	0.30	0.04	2.22e-04	-4.91e-03	-2.38e-03	-2.31e-03	2.57e-03
		27	0.21	0.35	0.15	0.21	0.30	0.09	-1.85e-04	-6.17e-03	-3.52e-03	-2.83e-03	-2.97e-03
26	63	26	0.21	0.06	-0.26	-0.07	-0.13	0.16	4.51e-03	-1.62e-03	1.74e-03	1.15e-03	3.05e-03
		34	0.10	-0.04	-0.16	-0.07	-0.13	0.05	2.33e-03	-3.93e-03	-1.61e-03	1.29e-05	-3.02e-03
		35	0.15	0.27	0.16	0.19	0.24	0.05	1.79e-03	-4.00e-03	-4.50e-04	-1.76e-03	2.82e-03
		27	0.19	0.32	0.10	0.17	0.25	0.10	8.72e-04	-4.80e-03	-1.60e-03	-2.33e-03	-2.81e-03
26	64	26	0.19	0.11	-0.20	-0.02	-0.07	0.15	3.01e-03	-3.14e-03	-6.40e-04	5.13e-04	3.02e-03
		34	0.07	0.01	-0.09	-0.01	-0.06	0.04	1.05e-03	-5.67e-03	-4.00e-03	-6.22e-04	-2.90e-03
		35	0.19	0.32	0.22	0.24	0.30	0.04	-1.93e-05	-5.16e-03	-2.80e-03	-2.39e-03	2.56e-03
		27	0.22	0.36	0.15	0.21	0.30	0.09	-4.13e-04	-6.45e-03	-3.94e-03	-2.92e-03	-2.97e-03
26	65	26	0.21	0.06	-0.26	-0.07	-0.13	0.16	4.51e-03	-1.63e-03	1.74e-03	1.14e-03	3.05e-03
		34	0.10	-0.04	-0.16	-0.07	-0.13	0.05	2.32e-03	-3.93e-03	-1.62e-03	1.15e-05	-3.02e-03
		35	0.15	0.27	0.16	0.19	0.24	0.05	1.79e-03	-4.01e-03	-4.55e-04	-1.76e-03	2.82e-03
		27	0.19	0.32	0.10	0.17	0.25	0.10	8.66e-04	-4.80e-03	-1.60e-03	-2.33e-03	-2.81e-03
26	66	26	0.19	0.11	-0.20	-0.02	-0.07	0.15	3.01e-03	-3.15e-03	-6.48e-04	5.09e-04	3.02e-03
		34	0.07	0.01	-0.09	-0.01	-0.06	0.04	1.04e-03	-5.67e-03	-4.01e-03	-6.23e-04	-2.90e-03
		35	0.19	0.32	0.22	0.24	0.30	0.04	-1.70e-05	-5.17e-03	-2.80e-03	-2.39e-03	2.57e-03
		27	0.22	0.36	0.15	0.21	0.30	0.09	-4.18e-04	-6.45e-03	-3.94e-03	-2.93e-03	-2.97e-03
26	67	26	0.21	0.06	-0.26	-0.07	-0.13	0.16	4.51e-03	-1.62e-03	1.74e-03	1.15e-03	3.05e-03
		34	0.10	-0.04	-0.16	-0.07	-0.13	0.05	2.32e-03	-3.93e-03	-1.62e-03	1.28e-05	-3.02e-03
		35	0.15	0.27	0.16	0.19	0.24	0.05	1.79e-03	-4.01e-03	-4.51e-04	-1.76e-03	2.82e-03
		27	0.19	0.32	0.10	0.17	0.25	0.10	8.69e-04	-4.80e-03	-1.60e-03	-2.33e-03	-2.81e-03
26	68	26	0.19	0.11	-0.20	-0.02	-0.07	0.15	3.01e-03	-3.14e-03	-6.41e-04	5.13e-04	3.02e-03
		34	0.07	0.01	-0.09	-0.01	-0.06	0.04	1.04e-03	-5.67e-03	-4.00e-03	-6.22e-04	-2.90e-03
		35	0.19	0.32	0.22	0.24	0.30	0.04	-1.46e-05	-5.17e-03	-2.80e-03	-2.39e-03	2.57e-03
		27	0.22	0.36	0.15	0.21	0.30	0.09	-4.16e-04	-6.44e-03	-3.94e-03	-2.92e-03	-2.97e-03
26	69	26	0.21	0.06	-0.26	-0.07	-0.13	0.16	4.51e-03	-1.63e-03	1.74e-03	1.14e-03	3.05e-03
		34	0.10	-0.04	-0.16	-0.07	-0.13	0.05	2.32e-03	-3.93e-03	-1.62e-03	1.15e-05	-3.02e-03
		35	0.15	0.27	0.16	0.19	0.24	0.05	1.78e-03	-4.00e-03	-4.55e-04	-1.76e-03	2.82e-03

		27	0.19	0.32	0.10	0.17	0.25	0.10	8.69e-04	-4.80e-03	-1.60e-03	-2.33e-03	-2.81e-03
26	70	26	0.19	0.11	-0.20	-0.02	-0.07	0.15	3.01e-03	-3.15e-03	-6.48e-04	5.09e-04	3.02e-03
		34	0.07	0.01	-0.09	-0.01	-0.06	0.04	1.04e-03	-5.67e-03	-4.01e-03	-6.23e-04	-2.90e-03
		35	0.19	0.32	0.22	0.24	0.30	0.04	-2.17e-05	-5.17e-03	-2.80e-03	-2.39e-03	2.56e-03
		27	0.22	0.36	0.15	0.21	0.30	0.09	-4.16e-04	-6.45e-03	-3.94e-03	-2.93e-03	-2.97e-03
26	71	26	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		35	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		27	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
26	72	26	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		35	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		27	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
26	73	26	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		35	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		27	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
26	74	26	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		35	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		27	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
26	75	26	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		35	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		27	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
26	76	26	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		34	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
		35	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		27	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
27	1	27	0.24	0.33	9.81e-03	0.17	0.17	0.16	6.48e-03	-0.01	-2.31e-03	-2.16e-03	8.71e-03
		35	0.15	0.22	0.16	0.21	0.17	0.02	3.64e-03	-0.01	-7.21e-03	-3.59e-03	-8.85e-03
		36	0.23	0.38	0.31	0.32	0.36	0.03	6.94e-03	-0.01	-4.83e-03	5.82e-04	8.65e-03
		28	0.22	0.38	0.27	0.28	0.37	-0.03	7.82e-03	-0.01	-3.14e-03	5.04e-04	-8.96e-03
27	2	27	0.24	0.33	9.81e-03	0.17	0.17	0.16	6.48e-03	-0.01	-2.31e-03	-2.16e-03	8.71e-03
		35	0.15	0.22	0.16	0.21	0.17	0.02	3.64e-03	-0.01	-7.21e-03	-3.59e-03	-8.85e-03
		36	0.23	0.38	0.31	0.32	0.36	0.03	6.94e-03	-0.01	-4.83e-03	5.82e-04	8.65e-03
		28	0.22	0.38	0.27	0.28	0.37	-0.03	7.82e-03	-0.01	-3.14e-03	5.04e-04	-8.96e-03
27	3	27	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		35	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
27	4	27	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		35	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
27	5	27	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		35	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
27	6	27	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		35	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
27	7	27	20.75	32.31	0.82	5.07	28.06	10.77	0.10	-0.04	0.05	9.25e-03	0.07
		35	20.60	32.12	0.94	5.10	27.96	-10.60	0.05	-0.08	-0.03	-6.34e-03	-0.07
		36	20.71	32.23	0.86	5.04	28.05	10.66	0.06	-0.08	-0.02	6.09e-03	0.07
		28	20.77	32.33	0.84	5.03	28.14	-10.69	0.11	-0.04	0.05	0.02	-0.07
27	8	27	3.20	-0.16	-4.99	-0.77	-4.38	-1.60	-4.27e-03	-0.04	-0.01	-0.04	0.02
		35	3.28	-0.09	-5.04	-0.77	-4.36	1.70	-8.48e-03	-0.05	-0.01	-0.04	-8.53e-03
		36	3.22	0.20	-4.85	-0.45	-4.20	-1.69	6.33e-03	-9.89e-03	-4.78e-03	1.22e-03	7.53e-03
		28	3.22	0.15	-4.86	-0.50	-4.21	1.69	2.58e-03	-0.02	-0.02	-2.79e-03	-9.93e-03
27	9	27	22.65	35.27	0.89	5.53	30.63	11.75	0.11	-0.05	0.06	0.01	0.08
		35	22.50	35.07	1.01	5.56	30.53	-11.58	0.06	-0.09	-0.03	-6.66e-03	-0.07
		36	22.61	35.17	0.92	5.48	30.60	11.64	0.07	-0.08	-0.02	6.63e-03	0.07
		28	22.68	35.28	0.90	5.47	30.71	-11.68	0.12	-0.04	0.06	0.02	-0.08
27	10	27	1.31	-0.08	-2.03	-0.31	-1.80	-0.63	4.38e-03	-0.05	-6.71e-03	-0.04	0.02
		35	1.39	-0.02	-2.09	-0.31	-1.79	0.72	-7.26e-03	-0.05	-0.01	-0.04	-0.01
		36	1.36	0.26	-1.90	-6.35e-03	-1.64	-0.71	0.01	-0.02	-6.38e-03	1.76e-03	0.01
		28	1.35	0.21	-1.91	-0.06	-1.64	0.70	0.01	-0.02	-0.01	-1.03e-03	-0.02
27	11	27	20.74	32.31	0.82	5.07	28.05	10.76	0.10	-0.04	0.05	9.82e-03	0.07
		35	20.61	32.12	0.94	5.10	27.96	-10.61	0.05	-0.08	-0.03	-5.82e-03	-0.07
		36	20.71	32.22	0.87	5.04	28.05	10.65	0.06	-0.08	-0.02	6.07e-03	0.07
		28	20.78	32.33	0.84	5.03	28.14	-10.70	0.11	-0.04	0.05	0.02	-0.07
27	12	27	3.19	-0.16	-4.98	-0.77	-4.37	-1.60	-4.46e-03	-0.04	-0.01	-0.04	0.02
		35	3.29	-0.08	-5.04	-0.77	-4.36	1.71	-8.63e-03	-0.05	-0.01	-0.05	-8.53e-03
		36	3.21	0.20	-4.84	-0.45	-4.20	-1.68	6.30e-03	-9.98e-03	-4.92e-03	1.24e-03	7.53e-03
		28	3.22	0.15	-4.86	-0.50	-4.21	1.69	2.54e-03	-0.02	-0.02	-2.79e-03	-9.92e-03

27	13	27	22.64	35.26	0.89	5.53	30.63	11.74	0.11	-0.05	0.06	0.01	0.08
		35	22.50	35.08	1.01	5.55	30.53	-11.59	0.06	-0.09	-0.03	-6.13e-03	-0.07
		36	22.61	35.16	0.92	5.48	30.60	11.63	0.07	-0.08	-0.02	6.61e-03	0.07
		28	22.68	35.28	0.89	5.47	30.70	-11.69	0.12	-0.04	0.06	0.02	-0.08
27	14	27	1.30	-0.09	-2.02	-0.31	-1.80	-0.62	4.18e-03	-0.05	-6.83e-03	-0.04	0.02
		35	1.39	-0.01	-2.09	-0.31	-1.79	0.73	-7.44e-03	-0.05	-0.01	-0.05	-0.01
		36	1.36	0.25	-1.90	-6.31e-03	-1.64	-0.70	0.01	-0.02	-6.52e-03	1.78e-03	0.01
		28	1.36	0.21	-1.91	-0.06	-1.64	0.71	0.01	-0.02	-0.01	-1.03e-03	-0.02
27	15	27	20.75	32.31	0.82	5.07	28.06	10.77	0.10	-0.04	0.05	9.24e-03	0.07
		35	20.60	32.12	0.94	5.10	27.96	-10.60	0.05	-0.08	-0.03	-6.35e-03	-0.07
		36	20.71	32.23	0.86	5.04	28.05	10.66	0.06	-0.08	-0.02	6.09e-03	0.07
		28	20.77	32.33	0.84	5.03	28.14	-10.69	0.11	-0.04	0.05	0.02	-0.07
27	16	27	3.20	-0.16	-4.99	-0.77	-4.38	-1.60	-4.26e-03	-0.04	-0.01	-0.04	0.02
		35	3.28	-0.09	-5.04	-0.77	-4.36	1.70	-8.49e-03	-0.05	-0.01	-0.04	-8.52e-03
		36	3.22	0.20	-4.85	-0.45	-4.20	-1.69	6.37e-03	-9.92e-03	-4.78e-03	1.22e-03	7.57e-03
		28	3.22	0.15	-4.86	-0.50	-4.21	1.69	2.61e-03	-0.02	-0.02	-2.79e-03	-9.96e-03
27	17	27	22.65	35.27	0.89	5.53	30.63	11.75	0.11	-0.05	0.06	0.01	0.08
		35	22.50	35.07	1.01	5.56	30.53	-11.58	0.06	-0.09	-0.03	-6.66e-03	-0.07
		36	22.61	35.17	0.92	5.48	30.60	11.64	0.07	-0.08	-0.02	6.63e-03	0.07
		28	22.68	35.28	0.90	5.47	30.71	-11.68	0.12	-0.04	0.06	0.02	-0.08
27	18	27	1.31	-0.08	-2.03	-0.31	-1.80	-0.63	4.37e-03	-0.05	-6.71e-03	-0.04	0.02
		35	1.39	-0.02	-2.09	-0.31	-1.79	0.72	-7.25e-03	-0.05	-0.01	-0.04	-0.01
		36	1.36	0.26	-1.90	-6.35e-03	-1.64	-0.71	0.01	-0.02	-6.38e-03	1.76e-03	0.01
		28	1.35	0.21	-1.91	-0.06	-1.64	0.70	0.01	-0.02	-0.01	-1.02e-03	-0.02
27	19	27	20.74	32.31	0.82	5.07	28.05	10.76	0.10	-0.04	0.05	9.82e-03	0.07
		35	20.61	32.12	0.94	5.10	27.96	-10.61	0.05	-0.08	-0.03	-5.82e-03	-0.07
		36	20.71	32.22	0.87	5.04	28.05	10.65	0.06	-0.08	-0.02	6.07e-03	0.07
		28	20.78	32.33	0.84	5.03	28.14	-10.70	0.11	-0.04	0.05	0.02	-0.07
27	20	27	3.19	-0.16	-4.98	-0.77	-4.37	-1.60	-4.45e-03	-0.04	-0.01	-0.04	0.02
		35	3.29	-0.08	-5.04	-0.77	-4.36	1.71	-8.64e-03	-0.05	-0.01	-0.05	-8.51e-03
		36	3.21	0.20	-4.84	-0.45	-4.20	-1.68	6.33e-03	-0.01	-4.92e-03	1.24e-03	7.57e-03
		28	3.22	0.15	-4.86	-0.50	-4.21	1.69	2.57e-03	-0.02	-0.02	-2.79e-03	-9.96e-03
27	21	27	22.64	35.26	0.89	5.53	30.63	11.74	0.11	-0.05	0.06	0.01	0.08
		35	22.50	35.08	1.01	5.55	30.53	-11.59	0.06	-0.09	-0.03	-6.13e-03	-0.07
		36	22.61	35.16	0.92	5.48	30.60	11.63	0.07	-0.08	-0.02	6.61e-03	0.07
		28	22.68	35.28	0.89	5.47	30.70	-11.69	0.12	-0.04	0.06	0.02	-0.08
27	22	27	1.30	-0.09	-2.02	-0.31	-1.80	-0.62	4.16e-03	-0.05	-6.83e-03	-0.04	0.02
		35	1.39	-0.01	-2.09	-0.31	-1.79	0.73	-7.43e-03	-0.05	-0.01	-0.05	-0.01
		36	1.36	0.25	-1.90	-6.31e-03	-1.64	-0.70	0.01	-0.02	-6.52e-03	1.78e-03	0.01
		28	1.36	0.21	-1.91	-0.06	-1.64	0.71	0.01	-0.02	-0.01	-1.03e-03	-0.02
27	23	27	78.91	122.91	3.01	19.03	106.88	40.80	0.38	-0.14	0.20	0.04	0.25
		35	78.64	122.44	3.13	19.05	106.52	-40.57	0.19	-0.29	-0.09	-0.02	-0.24
		36	78.80	122.37	2.63	18.58	106.42	40.68	0.22	-0.26	-0.07	0.02	0.24
		28	79.01	122.77	2.63	18.63	106.76	-40.82	0.40	-0.12	0.21	0.08	-0.25
27	24	27	0.98	-0.25	-1.42	-0.44	-1.23	-0.44	0.02	-0.15	-8.61e-03	-0.11	0.07
		35	1.05	-0.30	-1.42	-0.51	-1.21	0.44	-0.02	-0.16	-0.03	-0.14	-0.04
		36	1.09	0.43	-1.21	0.28	-1.05	-0.48	0.04	-0.05	-0.02	5.90e-03	0.04
		28	1.06	0.33	-1.21	0.19	-1.07	0.44	0.04	-0.06	-0.02	-5.95e-04	-0.05
27	25	27	79.48	123.79	3.03	19.17	107.65	41.09	0.38	-0.14	0.20	0.04	0.25
		35	79.21	123.33	3.15	19.19	107.29	-40.87	0.19	-0.29	-0.09	-0.02	-0.24
		36	79.37	123.25	2.65	18.71	107.19	40.98	0.22	-0.27	-0.07	0.02	0.24
		28	79.58	123.65	2.64	18.76	107.53	-41.12	0.40	-0.12	0.21	0.08	-0.25
27	26	27	0.52	-0.22	-0.54	-0.31	-0.45	-0.14	0.03	-0.15	-7.18e-03	-0.11	0.07
		35	0.56	-0.26	-0.56	-0.37	-0.44	0.15	-0.02	-0.16	-0.03	-0.14	-0.04
		36	0.59	0.46	-0.33	0.41	-0.29	-0.19	0.04	-0.05	-0.02	6.06e-03	0.04
		28	0.54	0.35	-0.33	0.32	-0.29	0.15	0.04	-0.06	-0.02	-6.69e-05	-0.05
27	27	27	78.91	122.91	3.01	19.03	106.88	40.80	0.38	-0.14	0.20	0.04	0.25
		35	78.64	122.44	3.13	19.05	106.52	-40.57	0.19	-0.29	-0.09	-0.02	-0.24
		36	78.80	122.37	2.63	18.58	106.42	40.68	0.22	-0.26	-0.07	0.02	0.24
		28	79.01	122.77	2.63	18.63	106.76	-40.82	0.40	-0.12	0.21	0.08	-0.25
27	28	27	0.98	-0.25	-1.42	-0.44	-1.23	-0.44	0.02	-0.15	-8.61e-03	-0.11	0.07
		35	1.05	-0.30	-1.42	-0.51	-1.21	0.44	-0.02	-0.16	-0.03	-0.14	-0.04
		36	1.09	0.43	-1.21	0.28	-1.05	-0.48	0.04	-0.05	-0.02	5.90e-03	0.04
		28	1.06	0.33	-1.21	0.19	-1.07	0.44	0.04	-0.06	-0.02	-5.95e-04	-0.05
27	29	27	79.48	123.79	3.03	19.17	107.65	41.09	0.38	-0.14	0.20	0.04	0.25
		35	79.21	123.33	3.15	19.19	107.29	-40.87	0.19	-0.29	-0.09	-0.02	-0.24
		36	79.37	123.25	2.65	18.71	107.19	40.98	0.22	-0.27	-0.07	0.02	0.24
		28	79.58	123.65	2.64	18.76	107.53	-41.12	0.40	-0.12	0.21	0.08	-0.25
27	30	27	0.52	-0.22	-0.54	-0.31	-0.45	-0.14	0.03	-0.15	-7.18e-03	-0.11	0.07
		35	0.56	-0.26	-0.56	-0.37	-0.44	0.15	-0.02	-0.16	-0.03	-0.14	-0.04
		36	0.59	0.46	-0.33	0.41	-0.29	-0.19	0.04	-0.05	-0.02	6.06e-03	0.04
		28	0.54	0.35	-0.33	0.32	-0.29	0.15	0.04	-0.06	-0.02	-6.66e-05	-0.05
27	31	27	78.90	122.88	3.02	19.03	106.87	40.78	0.38	-0.14	0.20	0.04	0.25
		35	78.65	122.46	3.11	19.05	106.52	-40.59	0.19	-0.29	-0.09	-0.01	-0.24
		36	78.79	122.35	2.65	18.58	106.42	40.66	0.22	-0.26	-0.07	0.02	0.24
		28	79.02	122.78	2.61	18.63	106.75	-40.85	0.40	-0.12	0.21	0.08	-0.25
27	32	27	0.98	-0.26	-1.40	-0.44	-1.22	-0.41	0.02	-0.15	-9.00e-03	-0.12	0.07

		35	1.06	-0.28	-1.44	-0.50	-1.21	0.46	-0.02	-0.16	-0.03	-0.15	-0.04
		36	1.07	0.42	-1.20	0.28	-1.05	-0.46	0.04	-0.05	-0.02	5.96e-03	0.04
		28	1.07	0.34	-1.21	0.19	-1.06	0.47	0.04	-0.06	-0.02	-6.05e-04	-0.05
27	33	27	79.47	123.77	3.04	19.16	107.65	41.07	0.38	-0.14	0.20	0.04	0.25
		35	79.22	123.34	3.13	19.18	107.29	-40.89	0.19	-0.29	-0.09	-0.01	-0.24
		36	79.36	123.23	2.67	18.71	107.19	40.95	0.22	-0.27	-0.07	0.02	0.24
		28	79.59	123.66	2.63	18.76	107.52	-41.14	0.40	-0.12	0.21	0.08	-0.25
27	34	27	0.53	-0.23	-0.52	-0.30	-0.45	-0.12	0.03	-0.15	-7.57e-03	-0.12	0.07
		35	0.56	-0.23	-0.58	-0.37	-0.44	0.17	-0.02	-0.16	-0.03	-0.15	-0.04
		36	0.57	0.45	-0.32	0.41	-0.29	-0.17	0.04	-0.05	-0.02	6.12e-03	0.04
		28	0.56	0.37	-0.33	0.32	-0.29	0.17	0.04	-0.06	-0.02	-7.70e-05	-0.05
27	35	27	78.90	122.88	3.02	19.03	106.87	40.78	0.38	-0.14	0.20	0.04	0.25
		35	78.65	122.46	3.11	19.05	106.52	-40.59	0.19	-0.29	-0.09	-0.01	-0.24
		36	78.79	122.35	2.65	18.58	106.42	40.66	0.22	-0.26	-0.07	0.02	0.24
		28	79.02	122.77	2.61	18.63	106.75	-40.85	0.40	-0.12	0.21	0.08	-0.25
27	36	27	0.98	-0.26	-1.40	-0.44	-1.22	-0.41	0.02	-0.15	-9.00e-03	-0.12	0.07
		35	1.06	-0.28	-1.44	-0.50	-1.21	0.46	-0.02	-0.16	-0.03	-0.15	-0.04
		36	1.07	0.42	-1.20	0.28	-1.05	-0.46	0.04	-0.05	-0.02	5.96e-03	0.04
		28	1.07	0.34	-1.21	0.19	-1.06	0.47	0.04	-0.06	-0.02	-6.05e-04	-0.05
27	37	27	79.47	123.77	3.04	19.16	107.65	41.07	0.38	-0.14	0.20	0.04	0.25
		35	79.22	123.34	3.13	19.18	107.29	-40.89	0.19	-0.29	-0.09	-0.01	-0.24
		36	79.36	123.23	2.67	18.71	107.19	40.95	0.22	-0.27	-0.07	0.02	0.24
		28	79.59	123.66	2.63	18.76	107.52	-41.14	0.40	-0.12	0.21	0.08	-0.25
27	38	27	0.53	-0.23	-0.52	-0.30	-0.45	-0.12	0.03	-0.15	-7.57e-03	-0.12	0.07
		35	0.56	-0.23	-0.58	-0.37	-0.44	0.17	-0.02	-0.16	-0.03	-0.15	-0.04
		36	0.57	0.45	-0.32	0.41	-0.29	-0.17	0.04	-0.05	-0.02	6.12e-03	0.04
		28	0.56	0.37	-0.33	0.32	-0.29	0.17	0.04	-0.06	-0.02	-7.68e-05	-0.05
27	39	27	0.19	0.26	-2.05e-03	0.13	0.13	0.13	5.03e-03	-8.42e-03	-1.64e-03	-1.76e-03	6.72e-03
		35	0.12	0.16	0.12	0.15	0.13	0.02	2.78e-03	-0.01	-5.41e-03	-2.86e-03	-6.80e-03
		36	0.18	0.29	0.23	0.25	0.28	0.03	5.34e-03	-8.61e-03	-3.63e-03	3.58e-04	6.68e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	5.96e-03	-7.99e-03	-2.33e-03	3.01e-04	-6.85e-03
27	40	27	0.18	0.25	0.02	0.14	0.13	0.12	4.96e-03	-8.39e-03	-1.89e-03	-1.54e-03	6.67e-03
		35	0.12	0.17	0.13	0.16	0.14	9.96e-03	2.83e-03	-0.01	-5.66e-03	-2.67e-03	-6.83e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.32e-03	-8.58e-03	-3.80e-03	5.37e-04	6.61e-03
		28	0.18	0.30	0.20	0.21	0.29	-0.03	6.08e-03	-8.08e-03	-2.50e-03	4.99e-04	-6.92e-03
27	41	27	0.19	0.26	-2.11e-03	0.13	0.13	0.13	5.01e-03	-8.45e-03	-1.66e-03	-1.79e-03	6.73e-03
		35	0.12	0.16	0.12	0.15	0.13	0.02	2.77e-03	-0.01	-5.43e-03	-2.86e-03	-6.79e-03
		36	0.18	0.29	0.23	0.25	0.28	0.03	5.35e-03	-8.62e-03	-3.63e-03	3.57e-04	6.70e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	5.95e-03	-8.01e-03	-2.33e-03	2.76e-04	-6.86e-03
27	42	27	0.18	0.25	0.02	0.14	0.13	0.12	4.94e-03	-8.43e-03	-1.92e-03	-1.57e-03	6.68e-03
		35	0.12	0.17	0.13	0.16	0.14	9.98e-03	2.81e-03	-0.01	-5.68e-03	-2.67e-03	-6.82e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.80e-03	5.37e-04	6.62e-03
		28	0.18	0.30	0.20	0.21	0.29	-0.03	6.07e-03	-8.11e-03	-2.51e-03	4.75e-04	-6.93e-03
27	43	27	0.19	0.25	-1.31e-04	0.12	0.13	0.13	5.15e-03	-8.29e-03	-1.59e-03	-1.54e-03	6.72e-03
		35	0.11	0.16	0.12	0.15	0.13	0.02	2.92e-03	-0.01	-5.36e-03	-2.66e-03	-6.80e-03
		36	0.18	0.29	0.23	0.25	0.28	0.03	5.35e-03	-8.57e-03	-3.57e-03	3.51e-04	6.68e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	5.98e-03	-7.96e-03	-2.27e-03	3.02e-04	-6.85e-03
27	44	27	0.18	0.26	0.02	0.14	0.14	0.12	4.83e-03	-8.53e-03	-1.94e-03	-1.76e-03	6.68e-03
		35	0.12	0.17	0.13	0.16	0.14	0.01	2.69e-03	-0.01	-5.71e-03	-2.86e-03	-6.83e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.31e-03	-8.62e-03	-3.85e-03	5.44e-04	6.61e-03
		28	0.18	0.29	0.21	0.21	0.29	-0.02	6.05e-03	-8.11e-03	-2.55e-03	4.98e-04	-6.92e-03
27	45	27	0.19	0.25	-1.94e-04	0.12	0.13	0.13	5.13e-03	-8.32e-03	-1.61e-03	-1.57e-03	6.73e-03
		35	0.11	0.16	0.12	0.15	0.13	0.02	2.91e-03	-0.01	-5.38e-03	-2.67e-03	-6.79e-03
		36	0.18	0.29	0.23	0.25	0.28	0.03	5.37e-03	-8.59e-03	-3.57e-03	3.51e-04	6.70e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	5.98e-03	-7.98e-03	-2.28e-03	2.77e-04	-6.86e-03
27	46	27	0.18	0.26	0.02	0.14	0.14	0.12	4.81e-03	-8.56e-03	-1.96e-03	-1.78e-03	6.69e-03
		35	0.12	0.17	0.13	0.16	0.14	0.01	2.67e-03	-0.01	-5.72e-03	-2.87e-03	-6.82e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.32e-03	-8.63e-03	-3.85e-03	5.43e-04	6.62e-03
		28	0.18	0.29	0.21	0.21	0.29	-0.02	6.05e-03	-8.14e-03	-2.56e-03	4.74e-04	-6.93e-03
27	47	27	0.19	0.26	-2.09e-03	0.13	0.13	0.13	5.03e-03	-8.43e-03	-1.64e-03	-1.76e-03	6.73e-03
		35	0.12	0.16	0.12	0.15	0.13	0.02	2.78e-03	-0.01	-5.41e-03	-2.86e-03	-6.79e-03
		36	0.18	0.29	0.23	0.25	0.28	0.03	5.35e-03	-8.62e-03	-3.62e-03	3.58e-04	6.70e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	5.97e-03	-8.00e-03	-2.33e-03	3.01e-04	-6.86e-03
27	48	27	0.18	0.25	0.02	0.14	0.13	0.12	4.96e-03	-8.40e-03	-1.90e-03	-1.54e-03	6.68e-03
		35	0.12	0.17	0.13	0.16	0.14	9.99e-03	2.82e-03	-0.01	-5.66e-03	-2.67e-03	-6.82e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.80e-03	5.37e-04	6.62e-03
		28	0.18	0.30	0.20	0.21	0.29	-0.03	6.09e-03	-8.09e-03	-2.50e-03	4.99e-04	-6.93e-03
27	49	27	0.19	0.26	-2.07e-03	0.13	0.13	0.13	5.00e-03	-8.44e-03	-1.66e-03	-1.78e-03	6.72e-03
		35	0.12	0.16	0.12	0.15	0.13	0.02	2.77e-03	-0.01	-5.42e-03	-2.86e-03	-6.80e-03
		36	0.18	0.29	0.23	0.25	0.28	0.03	5.34e-03	-8.61e-03	-3.63e-03	3.57e-04	6.68e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	5.94e-03	-8.00e-03	-2.33e-03	2.77e-04	-6.85e-03
27	50	27	0.18	0.25	0.02	0.14	0.13	0.12	4.93e-03	-8.42e-03	-1.92e-03	-1.57e-03	6.67e-03
		35	0.12	0.17	0.13	0.16	0.14	9.95e-03	2.82e-03	-0.01	-5.68e-03	-2.67e-03	-6.83e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.32e-03	-8.59e-03	-3.80e-03	5.37e-04	6.61e-03
		28	0.18	0.30	0.20	0.21	0.29	-0.03	6.06e-03	-8.09e-03	-2.51e-03	4.75e-04	-6.92e-03
27	51	27	0.19	0.25	-1.71e-04	0.12	0.13	0.13	5.16e-03	-8.30e-03	-1.59e-03	-1.55e-03	6.73e-03
		35	0.11	0.16	0.12	0.15	0.13	0.02	2.91e-03	-0.01	-5.36e-03	-2.66e-03	-6.79e-03

		36	0.18	0.29	0.23	0.25	0.28	0.03	5.37e-03	-8.59e-03	-3.57e-03	3.52e-04	6.70e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	6.00e-03	-7.97e-03	-2.27e-03	3.02e-04	-6.86e-03
27	52	27	0.18	0.26	0.02	-0.14	0.14	0.12	4.84e-03	-8.53e-03	-1.94e-03	-1.76e-03	6.69e-03
		35	0.12	0.17	0.13	0.16	0.14	0.01	2.68e-03	-0.01	-5.71e-03	-2.86e-03	-6.82e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.32e-03	-8.63e-03	-3.85e-03	5.44e-04	6.62e-03
		28	0.18	0.29	0.21	0.21	0.29	-0.02	6.07e-03	-8.12e-03	-2.55e-03	4.98e-04	-6.93e-03
27	53	27	0.19	0.25	-1.54e-04	0.12	0.13	0.13	5.13e-03	-8.31e-03	-1.61e-03	-1.57e-03	6.72e-03
		35	0.11	0.16	0.12	0.15	0.13	0.02	2.91e-03	-0.01	-5.38e-03	-2.67e-03	-6.80e-03
		36	0.18	0.29	0.23	0.25	0.28	0.03	5.35e-03	-8.58e-03	-3.57e-03	3.51e-04	6.68e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	5.97e-03	-7.97e-03	-2.28e-03	2.78e-04	-6.85e-03
27	54	27	0.18	0.26	0.02	0.14	0.14	0.12	4.81e-03	-8.55e-03	-1.96e-03	-1.78e-03	6.68e-03
		35	0.12	0.17	0.13	0.16	0.14	0.01	2.68e-03	-0.01	-5.72e-03	-2.87e-03	-6.83e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.31e-03	-8.62e-03	-3.86e-03	5.43e-04	6.61e-03
		28	0.18	0.29	0.21	0.21	0.29	-0.02	6.04e-03	-8.12e-03	-2.56e-03	4.74e-04	-6.92e-03
27	55	27	0.20	0.26	-0.02	0.11	0.12	0.14	5.11e-03	-8.47e-03	-1.34e-03	-2.02e-03	6.79e-03
		35	0.12	0.16	0.09	0.14	0.12	0.03	2.73e-03	-0.01	-5.12e-03	-3.08e-03	-6.76e-03
		36	0.18	0.30	0.21	0.24	0.27	0.04	5.37e-03	-8.64e-03	-3.42e-03	1.48e-04	6.78e-03
		28	0.17	0.28	0.21	0.21	0.28	-3.67e-03	5.82e-03	-7.89e-03	-2.13e-03	6.10e-05	-6.77e-03
27	56	27	0.17	0.25	0.04	0.15	0.14	0.11	4.88e-03	-8.39e-03	-2.20e-03	-1.30e-03	6.62e-03
		35	0.12	0.18	0.15	0.18	0.15	-2.56e-03	2.88e-03	-0.01	-5.97e-03	-2.45e-03	-6.87e-03
		36	0.18	0.29	0.25	0.25	0.29	4.61e-03	5.31e-03	-8.57e-03	-4.00e-03	7.46e-04	6.52e-03
		28	0.18	0.31	0.20	0.21	0.29	-0.04	6.22e-03	-8.20e-03	-2.70e-03	7.22e-04	-7.01e-03
27	57	27	0.20	0.26	-0.02	0.11	0.12	0.14	5.11e-03	-8.48e-03	-1.35e-03	-2.03e-03	6.79e-03
		35	0.12	0.16	0.09	0.14	0.12	0.03	2.73e-03	-0.01	-5.12e-03	-3.08e-03	-6.76e-03
		36	0.18	0.30	0.21	0.24	0.27	0.04	5.37e-03	-8.65e-03	-3.42e-03	1.48e-04	6.78e-03
		28	0.17	0.28	0.21	0.21	0.28	-3.67e-03	5.82e-03	-7.90e-03	-2.13e-03	5.36e-05	-6.77e-03
27	58	27	0.17	0.25	0.04	0.15	0.14	0.11	4.87e-03	-8.40e-03	-2.21e-03	-1.31e-03	6.62e-03
		35	0.12	0.18	0.15	0.18	0.15	-2.55e-03	2.88e-03	-0.01	-5.97e-03	-2.45e-03	-6.86e-03
		36	0.18	0.29	0.25	0.25	0.29	4.62e-03	5.32e-03	-8.58e-03	-4.00e-03	7.46e-04	6.53e-03
		28	0.18	0.31	0.20	0.21	0.29	-0.04	6.22e-03	-8.21e-03	-2.71e-03	7.15e-04	-7.01e-03
27	59	27	0.20	0.26	-0.02	0.11	0.12	0.14	5.12e-03	-8.48e-03	-1.34e-03	-2.02e-03	6.79e-03
		35	0.12	0.16	0.09	0.14	0.12	0.03	2.73e-03	-0.01	-5.12e-03	-3.08e-03	-6.76e-03
		36	0.18	0.30	0.21	0.24	0.27	0.04	5.37e-03	-8.65e-03	-3.42e-03	1.48e-04	6.78e-03
		28	0.17	0.28	0.21	0.21	0.28	-3.66e-03	5.83e-03	-7.89e-03	-2.13e-03	6.09e-05	-6.77e-03
27	60	27	0.17	0.25	0.04	0.15	0.14	0.11	4.88e-03	-8.39e-03	-2.21e-03	-1.30e-03	6.62e-03
		35	0.12	0.18	0.15	0.18	0.15	-2.55e-03	2.88e-03	-0.01	-5.97e-03	-2.45e-03	-6.86e-03
		36	0.18	0.29	0.25	0.25	0.29	4.63e-03	5.32e-03	-8.58e-03	-4.00e-03	7.46e-04	6.53e-03
		28	0.18	0.31	0.20	0.21	0.29	-0.04	6.23e-03	-8.21e-03	-2.70e-03	7.22e-04	-7.01e-03
27	61	27	0.20	0.26	-0.02	0.11	0.12	0.14	5.11e-03	-8.48e-03	-1.35e-03	-2.03e-03	6.79e-03
		35	0.12	0.16	0.09	0.14	0.12	0.03	2.73e-03	-0.01	-5.12e-03	-3.08e-03	-6.76e-03
		36	0.18	0.30	0.21	0.24	0.27	0.04	5.37e-03	-8.65e-03	-3.42e-03	1.48e-04	6.78e-03
		28	0.17	0.28	0.21	0.21	0.28	-3.68e-03	5.82e-03	-7.89e-03	-2.13e-03	5.37e-05	-6.77e-03
27	62	27	0.17	0.25	0.04	0.15	0.14	0.11	4.87e-03	-8.39e-03	-2.21e-03	-1.31e-03	6.62e-03
		35	0.12	0.18	0.15	0.18	0.15	-2.56e-03	2.88e-03	-0.01	-5.97e-03	-2.45e-03	-6.87e-03
		36	0.18	0.29	0.25	0.25	0.29	4.61e-03	5.31e-03	-8.57e-03	-4.00e-03	7.46e-04	6.52e-03
		28	0.18	0.31	0.20	0.21	0.29	-0.04	6.22e-03	-8.21e-03	-2.71e-03	7.15e-04	-7.01e-03
27	63	27	0.19	0.25	-0.02	0.11	0.12	0.13	5.52e-03	-8.02e-03	-1.20e-03	-1.31e-03	6.77e-03
		35	0.11	0.16	0.10	0.14	0.12	0.02	3.19e-03	-0.01	-4.97e-03	-2.43e-03	-6.77e-03
		36	0.17	0.29	0.22	0.24	0.27	0.03	5.42e-03	-8.54e-03	-3.24e-03	1.27e-04	6.77e-03
		28	0.16	0.28	0.21	0.21	0.27	-0.01	5.91e-03	-7.79e-03	-1.95e-03	6.47e-05	-6.78e-03
27	64	27	0.18	0.26	0.03	0.15	0.14	0.11	4.45e-03	-8.82e-03	-2.35e-03	-2.01e-03	6.63e-03
		35	0.12	0.18	0.15	0.18	0.15	5.85e-03	2.41e-03	-0.01	-6.11e-03	-3.10e-03	-6.86e-03
		36	0.18	0.30	0.25	0.25	0.29	0.01	5.27e-03	-8.69e-03	-4.18e-03	7.68e-04	6.53e-03
		28	0.18	0.31	0.20	0.21	0.29	-0.03	6.14e-03	-8.31e-03	-2.88e-03	7.18e-04	-7.00e-03
27	65	27	0.19	0.25	-0.02	0.11	0.12	0.13	5.51e-03	-8.03e-03	-1.20e-03	-1.32e-03	6.77e-03
		35	0.11	0.16	0.10	0.14	0.12	0.02	3.18e-03	-0.01	-4.97e-03	-2.43e-03	-6.76e-03
		36	0.17	0.29	0.22	0.24	0.27	0.03	5.43e-03	-8.54e-03	-3.24e-03	1.27e-04	6.78e-03
		28	0.16	0.28	0.21	0.21	0.27	-0.01	5.91e-03	-7.80e-03	-1.95e-03	6.47e-05	-6.78e-03
27	66	27	0.18	0.26	0.03	0.15	0.14	0.11	4.45e-03	-8.83e-03	-2.36e-03	-2.02e-03	6.64e-03
		35	0.12	0.18	0.15	0.18	0.15	5.86e-03	2.41e-03	-0.01	-6.12e-03	-3.10e-03	-6.86e-03
		36	0.18	0.30	0.25	0.25	0.29	0.01	5.28e-03	-8.69e-03	-4.18e-03	7.67e-04	6.53e-03
		28	0.18	0.31	0.20	0.21	0.29	-0.03	6.14e-03	-8.31e-03	-2.88e-03	7.11e-04	-7.00e-03
27	67	27	0.19	0.25	-0.02	0.11	0.12	0.13	5.52e-03	-8.02e-03	-1.20e-03	-1.31e-03	6.77e-03
		35	0.11	0.16	0.10	0.14	0.12	0.02	3.18e-03	-0.01	-4.97e-03	-2.43e-03	-6.76e-03
		36	0.17	0.29	0.22	0.24	0.27	0.03	5.43e-03	-8.54e-03	-3.24e-03	1.27e-04	6.78e-03
		28	0.16	0.28	0.21	0.21	0.27	-0.01	5.91e-03	-7.80e-03	-1.95e-03	6.47e-05	-6.78e-03
27	68	27	0.18	0.26	0.03	0.15	0.14	0.11	4.46e-03	-8.82e-03	-2.35e-03	-2.01e-03	6.64e-03
		35	0.12	0.18	0.15	0.18	0.15	5.86e-03	2.41e-03	-0.01	-6.12e-03	-3.10e-03	-6.86e-03
		36	0.18	0.30	0.25	0.25	0.29	0.01	5.28e-03	-8.69e-03	-4.18e-03	7.68e-04	6.53e-03
		28	0.18	0.31	0.20	0.21	0.29	-0.03	6.15e-03	-8.31e-03	-2.88e-03	7.18e-04	-7.00e-03
27	69	27	0.19	0.25	-0.02	0.11	0.12	0.13	5.51e-03	-8.03e-03	-1.20e-03	-1.32e-03	6.77e-03
		35	0.11	0.16	0.10	0.14	0.12	0.02	3.18e-03	-0.01	-4.97e-03	-2.43e-03	-6.77e-03
		36	0.17	0.29	0.22	0.24	0.27	0.03	5.42e-03	-8.54e-03	-3.24e-03	1.27e-04	6.77e-03
		28	0.16	0.28	0.21	0.21	0.27	-0.01	5.91e-03	-7.80e-03	-1.95e-03	5.74e-05	-6.78e-03
27	70	27	0.18	0.26	0.03	0.15	0.14	0.11	4.45e-03	-8.82e-03	-2.36e-03	-2.02e-03	6.63e-03
		35	0.12	0.18	0.15	0.18	0.15	5.85e-03	2.41e-03	-0.01	-6.12e-03	-3.10e-03	-6.86e-03
		36	0.18	0.30	0.25	0.25	0.29	0.01	5.27e-03	-8.69e-03	-4.18e-03	7.67e-04	6.53e-03

		28	0.18	0.31	0.20	0.21	0.29	-0.03	6.14e-03	-8.31e-03	-2.88e-03	7.11e-04	-7.00e-03
27	71	27	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		35	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
27	72	27	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		35	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
27	73	27	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		35	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
27	74	27	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		35	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
27	75	27	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		35	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
27	76	27	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		35	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
		36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		28	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
28	1	28	0.22	0.38	0.27	0.28	0.37	0.03	7.82e-03	-0.01	-3.14e-03	5.04e-04	8.96e-03
		36	0.23	0.38	0.31	0.32	0.36	-0.03	6.94e-03	-0.01	-4.83e-03	5.82e-04	-8.65e-03
		37	0.15	0.22	0.16	0.21	0.17	-0.02	3.64e-03	-0.01	-7.21e-03	-3.59e-03	8.85e-03
		29	0.24	0.33	9.81e-03	0.17	0.17	-0.16	6.48e-03	-0.01	-2.31e-03	-2.16e-03	-8.71e-03
28	2	28	0.22	0.38	0.27	0.28	0.37	0.03	7.82e-03	-0.01	-3.14e-03	5.04e-04	8.96e-03
		36	0.23	0.38	0.31	0.32	0.36	-0.03	6.94e-03	-0.01	-4.83e-03	5.82e-04	-8.65e-03
		37	0.15	0.22	0.16	0.21	0.17	-0.02	3.64e-03	-0.01	-7.21e-03	-3.59e-03	8.85e-03
		29	0.24	0.33	9.81e-03	0.17	0.17	-0.16	6.48e-03	-0.01	-2.31e-03	-2.16e-03	-8.71e-03
28	3	28	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		37	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		29	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
28	4	28	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		37	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		29	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
28	5	28	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		37	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		29	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
28	6	28	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		37	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		29	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
28	7	28	20.80	32.36	0.83	5.03	28.15	10.72	0.11	-0.04	0.05	0.02	0.07
		36	20.71	32.22	0.89	5.05	28.07	-10.63	0.06	-0.08	-0.02	6.57e-03	-0.07
		37	20.63	32.17	0.95	5.13	27.99	10.63	0.05	-0.08	-0.03	-5.83e-03	0.07
		29	20.73	32.31	0.86	5.10	28.07	-10.74	0.10	-0.04	0.05	9.83e-03	-0.07
28	8	28	3.24	0.17	-4.89	-0.51	-4.22	-1.72	2.15e-03	-0.02	-0.02	-3.32e-03	9.77e-03
		36	3.21	0.17	-4.84	-0.45	-4.22	1.66	6.39e-03	-9.96e-03	-4.31e-03	7.37e-04	-7.78e-03
		37	3.31	-0.10	-5.08	-0.80	-4.38	-1.73	-7.90e-03	-0.05	-9.81e-03	-0.05	8.43e-03
		29	3.19	-0.20	-4.99	-0.80	-4.39	1.58	-3.68e-03	-0.04	-0.01	-0.04	-0.02
28	9	28	22.70	35.31	0.88	5.48	30.72	11.71	0.12	-0.04	0.06	0.02	0.08
		36	22.60	35.17	0.95	5.49	30.63	-11.61	0.07	-0.08	-0.02	7.11e-03	-0.07
		37	22.53	35.12	1.02	5.59	30.55	11.61	0.06	-0.09	-0.03	-6.15e-03	0.07
		29	22.63	35.27	0.94	5.56	30.65	-11.72	0.11	-0.05	0.05	0.01	-0.08
28	10	28	1.38	0.22	-1.94	-0.06	-1.65	-0.73	0.01	-0.02	-0.01	-1.56e-03	0.02
		36	1.35	0.23	-1.90	-0.01	-1.66	0.68	0.01	-0.02	-5.91e-03	1.28e-03	-0.01
		37	1.42	-0.03	-2.13	-0.34	-1.82	-0.75	-6.77e-03	-0.05	-0.01	-0.05	0.01
		29	1.30	-0.13	-2.03	-0.34	-1.82	0.60	4.90e-03	-0.05	-6.02e-03	-0.04	-0.02
28	11	28	20.80	32.36	0.83	5.03	28.15	10.72	0.11	-0.04	0.05	0.02	0.07
		36	20.71	32.23	0.88	5.05	28.07	-10.64	0.06	-0.08	-0.02	6.59e-03	-0.07
		37	20.63	32.16	0.96	5.13	27.99	10.62	0.05	-0.09	-0.03	-6.36e-03	0.07
		29	20.74	32.32	0.86	5.10	28.08	-10.74	0.10	-0.04	0.05	9.25e-03	-0.07
28	12	28	3.24	0.16	-4.89	-0.51	-4.22	-1.71	2.19e-03	-0.02	-0.02	-3.31e-03	9.78e-03
		36	3.21	0.18	-4.85	-0.45	-4.22	1.67	6.43e-03	-9.88e-03	-4.17e-03	7.20e-04	-7.78e-03
		37	3.31	-0.10	-5.08	-0.80	-4.38	-1.73	-7.76e-03	-0.05	-9.69e-03	-0.04	8.44e-03
		29	3.19	-0.20	-4.99	-0.80	-4.40	1.58	-3.49e-03	-0.04	-0.01	-0.04	-0.02
28	13	28	22.70	35.31	0.89	5.48	30.72	11.70	0.12	-0.04	0.06	0.02	0.08
		36	22.61	35.17	0.94	5.49	30.63	-11.62	0.07	-0.08	-0.02	7.13e-03	-0.07
		37	22.52	35.11	1.03	5.59	30.55	11.60	0.06	-0.09	-0.03	-6.67e-03	0.07
		29	22.64	35.28	0.93	5.56	30.65	-11.72	0.11	-0.05	0.05	0.01	-0.08

28	14	28	1.37	0.22	-1.94	-0.06	-1.66	-0.72	0.01	-0.02	-0.01	-1.56e-03	0.02
		36	1.36	0.24	-1.91	-0.01	-1.66	0.69	0.01	-0.02	-5.77e-03	1.26e-03	-0.01
		37	1.41	-0.03	-2.13	-0.34	-1.82	-0.75	-6.59e-03	-0.05	-0.01	-0.04	0.01
		29	1.30	-0.13	-2.04	-0.34	-1.82	0.60	5.11e-03	-0.05	-5.90e-03	-0.04	-0.02
28	15	28	20.80	32.36	0.83	5.03	28.15	10.72	0.11	-0.04	0.05	0.02	0.07
		36	20.71	32.22	0.89	5.05	28.07	-10.63	0.06	-0.08	-0.02	6.57e-03	-0.07
		37	20.63	32.17	0.95	5.13	27.99	10.63	0.05	-0.08	-0.03	-5.83e-03	0.07
		29	20.73	32.31	0.86	5.10	28.07	-10.74	0.10	-0.04	0.05	9.82e-03	-0.07
28	16	28	3.24	0.17	-4.89	-0.51	-4.22	-1.72	2.12e-03	-0.02	-0.02	-3.32e-03	9.74e-03
		36	3.21	0.17	-4.84	-0.45	-4.22	1.66	6.35e-03	-9.93e-03	-4.31e-03	7.36e-04	-7.74e-03
		37	3.31	-0.10	-5.08	-0.80	-4.38	-1.73	-7.90e-03	-0.05	-9.81e-03	-0.05	8.44e-03
		29	3.19	-0.20	-4.99	-0.80	-4.39	1.58	-3.70e-03	-0.04	-0.01	-0.04	-0.02
28	17	28	22.70	35.31	0.88	5.48	30.72	11.71	0.12	-0.04	0.06	0.02	0.08
		36	22.60	35.17	0.95	5.49	30.63	-11.61	0.07	-0.08	-0.02	7.11e-03	-0.07
		37	22.53	35.12	1.02	5.59	30.55	11.61	0.06	-0.09	-0.03	-6.15e-03	0.07
		29	22.63	35.27	0.94	5.56	30.65	-11.72	0.11	-0.05	0.05	0.01	-0.08
28	18	28	1.38	0.22	-1.94	-0.06	-1.65	-0.73	0.01	-0.02	-0.01	-1.56e-03	0.02
		36	1.35	0.23	-1.90	-0.01	-1.66	0.68	0.01	-0.02	-5.91e-03	1.28e-03	-0.01
		37	1.42	-0.03	-2.13	-0.34	-1.82	-0.75	-6.78e-03	-0.05	-0.01	-0.05	0.01
		29	1.30	-0.13	-2.03	-0.34	-1.82	0.60	4.92e-03	-0.05	-6.02e-03	-0.04	-0.02
28	19	28	20.80	32.36	0.83	5.03	28.15	10.72	0.11	-0.04	0.05	0.02	0.07
		36	20.71	32.23	0.88	5.05	28.07	-10.64	0.06	-0.08	-0.02	6.59e-03	-0.07
		37	20.63	32.16	0.96	5.13	27.99	10.62	0.05	-0.09	-0.03	-6.36e-03	0.07
		29	20.74	32.32	0.86	5.10	28.08	-10.74	0.10	-0.04	0.05	9.25e-03	-0.07
28	20	28	3.24	0.16	-4.89	-0.51	-4.22	-1.71	2.16e-03	-0.02	-0.02	-3.32e-03	9.75e-03
		36	3.21	0.18	-4.85	-0.45	-4.22	1.67	6.39e-03	-9.84e-03	-4.17e-03	7.20e-04	-7.74e-03
		37	3.30	-0.10	-5.08	-0.80	-4.38	-1.72	-7.75e-03	-0.05	-9.69e-03	-0.04	8.45e-03
		29	3.19	-0.20	-4.99	-0.80	-4.40	1.58	-3.51e-03	-0.04	-0.01	-0.04	-0.02
28	21	28	22.70	35.31	0.89	5.48	30.72	11.70	0.12	-0.04	0.06	0.02	0.08
		36	22.61	35.17	0.94	5.49	30.63	-11.62	0.07	-0.08	-0.02	7.13e-03	-0.07
		37	22.52	35.11	1.03	5.59	30.55	11.60	0.06	-0.09	-0.03	-6.67e-03	0.07
		29	22.64	35.28	0.93	5.56	30.65	-11.72	0.11	-0.05	0.05	0.01	-0.08
28	22	28	1.37	0.22	-1.94	-0.06	-1.66	-0.72	0.01	-0.02	-0.01	-1.55e-03	0.02
		36	1.36	0.24	-1.91	-0.01	-1.66	0.69	0.01	-0.02	-5.77e-03	1.26e-03	-0.01
		37	1.41	-0.03	-2.13	-0.34	-1.82	-0.75	-6.60e-03	-0.05	-0.01	-0.04	0.01
		29	1.30	-0.13	-2.04	-0.34	-1.82	0.60	5.13e-03	-0.05	-5.90e-03	-0.04	-0.02
28	23	28	79.10	122.87	2.57	18.64	106.80	40.92	0.40	-0.12	0.21	0.08	0.25
		36	78.77	122.36	2.72	18.59	106.49	-40.59	0.22	-0.26	-0.07	0.02	-0.24
		37	78.73	122.59	3.16	19.15	106.61	40.67	0.19	-0.29	-0.09	-0.01	0.24
		29	78.86	122.90	3.16	19.13	106.94	-40.70	0.38	-0.14	0.20	0.04	-0.25
28	24	28	1.14	0.38	-1.30	0.18	-1.11	-0.54	0.04	-0.06	-0.02	-2.38e-03	0.05
		36	1.05	0.36	-1.22	0.26	-1.12	0.39	0.04	-0.05	-0.01	4.29e-03	-0.04
		37	1.13	-0.31	-1.59	-0.61	-1.30	-0.54	-0.02	-0.16	-0.03	-0.15	0.04
		29	0.99	-0.41	-1.42	-0.54	-1.28	0.34	0.03	-0.15	-6.28e-03	-0.12	-0.07
28	25	28	79.67	123.75	2.59	18.77	107.57	41.22	0.40	-0.12	0.21	0.08	0.25
		36	79.34	123.24	2.74	18.73	107.25	-40.88	0.22	-0.27	-0.07	0.02	-0.24
		37	79.30	123.48	3.18	19.29	107.38	40.96	0.19	-0.30	-0.09	-0.01	0.24
		29	79.43	123.79	3.18	19.26	107.71	-40.99	0.38	-0.14	0.20	0.04	-0.25
28	26	28	0.63	0.39	-0.42	0.31	-0.34	-0.25	0.04	-0.06	-0.02	-1.85e-03	0.05
		36	0.54	0.41	-0.37	0.40	-0.35	0.09	0.04	-0.05	-0.01	4.45e-03	-0.04
		37	0.62	-0.25	-0.74	-0.47	-0.53	-0.24	-0.02	-0.16	-0.03	-0.15	0.04
		29	0.59	-0.38	-0.53	-0.40	-0.51	0.05	0.03	-0.15	-4.85e-03	-0.12	-0.07
28	27	28	79.10	122.87	2.57	18.64	106.80	40.92	0.40	-0.12	0.21	0.08	0.25
		36	78.77	122.36	2.72	18.59	106.49	-40.59	0.22	-0.26	-0.07	0.02	-0.24
		37	78.73	122.59	3.16	19.15	106.61	40.67	0.19	-0.29	-0.09	-0.01	0.24
		29	78.86	122.90	3.16	19.13	106.94	-40.70	0.38	-0.14	0.20	0.04	-0.25
28	28	28	1.14	0.38	-1.30	0.18	-1.11	-0.54	0.04	-0.06	-0.02	-2.38e-03	0.05
		36	1.05	0.36	-1.22	0.26	-1.12	0.39	0.04	-0.05	-0.01	4.29e-03	-0.04
		37	1.13	-0.31	-1.59	-0.61	-1.30	-0.54	-0.02	-0.16	-0.03	-0.15	0.04
		29	0.99	-0.41	-1.42	-0.54	-1.28	0.34	0.03	-0.15	-6.28e-03	-0.12	-0.07
28	29	28	79.67	123.75	2.59	18.77	107.57	41.22	0.40	-0.12	0.21	0.08	0.25
		36	79.34	123.24	2.74	18.73	107.25	-40.88	0.22	-0.27	-0.07	0.02	-0.24
		37	79.30	123.48	3.18	19.29	107.38	40.96	0.19	-0.30	-0.09	-0.01	0.24
		29	79.43	123.79	3.18	19.26	107.71	-40.99	0.38	-0.14	0.20	0.04	-0.25
28	30	28	0.63	0.39	-0.42	0.31	-0.34	-0.25	0.04	-0.06	-0.02	-1.85e-03	0.05
		36	0.54	0.41	-0.37	0.40	-0.35	0.09	0.04	-0.05	-0.01	4.45e-03	-0.04
		37	0.62	-0.25	-0.74	-0.47	-0.53	-0.24	-0.02	-0.16	-0.03	-0.15	0.04
		29	0.59	-0.38	-0.53	-0.40	-0.51	0.05	0.03	-0.15	-4.85e-03	-0.12	-0.07
28	31	28	79.09	122.86	2.59	18.64	106.81	40.90	0.40	-0.12	0.21	0.08	0.25
		36	78.79	122.38	2.70	18.59	106.49	-40.61	0.22	-0.26	-0.07	0.02	-0.24
		37	78.71	122.58	3.18	19.15	106.61	40.65	0.19	-0.29	-0.09	-0.02	0.24
		29	78.88	122.92	3.15	19.13	106.95	-40.72	0.38	-0.14	0.20	0.04	-0.25
28	32	28	1.12	0.36	-1.30	0.18	-1.11	-0.52	0.04	-0.06	-0.02	-2.36e-03	0.05
		36	1.06	0.38	-1.23	0.26	-1.12	0.41	0.04	-0.05	-0.01	4.23e-03	-0.04
		37	1.12	-0.34	-1.57	-0.61	-1.30	-0.51	-0.02	-0.16	-0.03	-0.14	0.04
		29	1.00	-0.39	-1.44	-0.54	-1.29	0.36	0.03	-0.15	-5.88e-03	-0.11	-0.07
28	33	28	79.66	123.74	2.61	18.77	107.58	41.19	0.40	-0.12	0.21	0.08	0.25

		36	79.36	123.26	2.72	18.73	107.25	-40.90	0.22	-0.27	-0.07	0.02	-0.24
		37	79.28	123.46	3.20	19.29	107.38	40.94	0.19	-0.30	-0.09	-0.02	0.24
		29	79.45	123.81	3.17	19.27	107.72	-41.02	0.38	-0.14	0.20	0.04	-0.25
28	34	28	0.61	0.38	-0.41	0.31	-0.34	-0.22	0.04	-0.06	-0.02	-1.84e-03	0.05
		36	0.55	0.41	-0.37	0.40	-0.35	0.12	0.04	-0.05	-0.01	4.40e-03	-0.04
		37	0.61	-0.28	-0.72	-0.47	-0.53	-0.22	-0.02	-0.16	-0.03	-0.14	0.04
		29	0.58	-0.37	-0.55	-0.40	-0.52	0.07	0.03	-0.15	-4.45e-03	-0.11	-0.07
28	35	28	79.09	122.86	2.59	18.64	106.81	40.90	0.40	-0.12	0.21	0.08	0.25
		36	78.79	122.38	2.70	18.59	106.49	-40.61	0.22	-0.26	-0.07	0.02	-0.24
		37	78.71	122.58	3.18	19.15	106.61	40.65	0.19	-0.29	-0.09	-0.02	0.24
		29	78.88	122.92	3.15	19.13	106.95	-40.72	0.38	-0.14	0.20	0.04	-0.25
28	36	28	1.12	0.36	-1.30	0.18	-1.11	-0.52	0.04	-0.06	-0.02	-2.36e-03	0.05
		36	1.06	0.38	-1.23	0.26	-1.12	0.41	0.04	-0.05	-0.01	4.23e-03	-0.04
		37	1.12	-0.34	-1.57	-0.61	-1.30	-0.51	-0.02	-0.16	-0.03	-0.14	0.04
		29	1.00	-0.39	-1.44	-0.54	-1.29	0.36	0.03	-0.15	-5.88e-03	-0.11	-0.07
28	37	28	79.66	123.74	2.61	18.77	107.58	41.19	0.40	-0.12	0.21	0.08	0.25
		36	79.36	123.26	2.72	18.73	107.25	-40.90	0.22	-0.27	-0.07	0.02	-0.24
		37	79.28	123.46	3.20	19.29	107.38	40.94	0.19	-0.30	-0.09	-0.02	0.24
		29	79.45	123.81	3.17	19.27	107.72	-41.02	0.38	-0.14	0.20	0.04	-0.25
28	38	28	0.61	0.38	-0.41	0.31	-0.34	-0.22	0.04	-0.06	-0.02	-1.84e-03	0.05
		36	0.55	0.41	-0.37	0.40	-0.35	0.12	0.04	-0.05	-0.01	4.40e-03	-0.04
		37	0.61	-0.28	-0.72	-0.47	-0.53	-0.22	-0.02	-0.16	-0.03	-0.14	0.04
		29	0.58	-0.37	-0.55	-0.40	-0.52	0.07	0.03	-0.15	-4.45e-03	-0.11	-0.07
28	39	28	0.18	0.30	0.20	0.21	0.29	0.03	6.09e-03	-8.09e-03	-2.50e-03	5.00e-04	6.93e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.80e-03	5.37e-04	-6.62e-03
		37	0.12	0.17	0.13	0.16	0.14	-9.98e-03	2.82e-03	-0.01	-5.66e-03	-2.67e-03	6.82e-03
		29	0.18	0.25	0.02	0.14	0.13	-0.12	4.97e-03	-8.40e-03	-1.89e-03	-1.54e-03	-6.68e-03
28	40	28	0.17	0.29	0.21	0.21	0.28	0.02	5.97e-03	-8.00e-03	-2.33e-03	3.01e-04	6.86e-03
		36	0.18	0.29	0.23	0.25	0.28	-0.03	5.35e-03	-8.62e-03	-3.63e-03	3.58e-04	-6.70e-03
		37	0.12	0.16	0.12	0.15	0.13	-0.02	2.78e-03	-0.01	-5.41e-03	-2.86e-03	6.79e-03
		29	0.19	0.26	-2.11e-03	0.13	0.13	-0.13	5.04e-03	-8.43e-03	-1.64e-03	-1.76e-03	-6.73e-03
28	41	28	0.18	0.30	0.20	0.21	0.29	0.03	6.06e-03	-8.09e-03	-2.51e-03	4.74e-04	6.92e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.32e-03	-8.59e-03	-3.80e-03	5.37e-04	-6.61e-03
		37	0.12	0.17	0.13	0.16	0.14	-9.93e-03	2.82e-03	-0.01	-5.68e-03	-2.67e-03	6.83e-03
		29	0.18	0.25	0.02	0.14	0.13	-0.12	4.93e-03	-8.42e-03	-1.92e-03	-1.57e-03	-6.67e-03
28	42	28	0.17	0.29	0.21	0.21	0.28	0.02	5.94e-03	-8.00e-03	-2.33e-03	2.76e-04	6.85e-03
		36	0.18	0.29	0.23	0.25	0.28	-0.03	5.34e-03	-8.61e-03	-3.63e-03	3.57e-04	-6.68e-03
		37	0.12	0.16	0.12	0.15	0.13	-0.02	2.77e-03	-0.01	-5.43e-03	-2.86e-03	6.80e-03
		29	0.19	0.26	-2.09e-03	0.13	0.13	-0.13	5.00e-03	-8.45e-03	-1.66e-03	-1.79e-03	-6.72e-03
28	43	28	0.18	0.29	0.21	0.21	0.29	0.02	6.07e-03	-8.12e-03	-2.55e-03	4.98e-04	6.93e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.32e-03	-8.63e-03	-3.85e-03	5.43e-04	-6.62e-03
		37	0.12	0.17	0.13	0.16	0.14	-0.01	2.68e-03	-0.01	-5.71e-03	-2.86e-03	6.82e-03
		29	0.18	0.26	0.02	0.14	0.14	-0.12	4.84e-03	-8.53e-03	-1.94e-03	-1.76e-03	-6.69e-03
28	44	28	0.17	0.29	0.21	0.21	0.28	0.02	6.00e-03	-7.97e-03	-2.28e-03	3.03e-04	6.86e-03
		36	0.18	0.29	0.23	0.25	0.28	-0.03	5.37e-03	-8.59e-03	-3.57e-03	3.52e-04	-6.70e-03
		37	0.11	0.16	0.12	0.15	0.13	-0.02	2.91e-03	-0.01	-5.36e-03	-2.66e-03	6.79e-03
		29	0.19	0.25	-1.71e-04	0.12	0.13	-0.13	5.16e-03	-8.30e-03	-1.59e-03	-1.54e-03	-6.73e-03
28	45	28	0.18	0.29	0.21	0.21	0.29	0.02	6.04e-03	-8.12e-03	-2.56e-03	4.73e-04	6.92e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.31e-03	-8.62e-03	-3.85e-03	5.43e-04	-6.61e-03
		37	0.12	0.17	0.13	0.16	0.14	-0.01	2.68e-03	-0.01	-5.72e-03	-2.87e-03	6.83e-03
		29	0.18	0.26	0.02	0.14	0.14	-0.12	4.81e-03	-8.55e-03	-1.96e-03	-1.78e-03	-6.68e-03
28	46	28	0.17	0.29	0.21	0.21	0.28	0.02	5.97e-03	-7.97e-03	-2.28e-03	2.77e-04	6.85e-03
		36	0.18	0.29	0.23	0.25	0.28	-0.03	5.35e-03	-8.58e-03	-3.58e-03	3.51e-04	-6.68e-03
		37	0.11	0.16	0.12	0.15	0.13	-0.02	2.91e-03	-0.01	-5.38e-03	-2.67e-03	6.80e-03
		29	0.19	0.25	-1.54e-04	0.12	0.13	-0.13	5.13e-03	-8.31e-03	-1.61e-03	-1.57e-03	-6.72e-03
28	47	28	0.18	0.30	0.20	0.21	0.29	0.03	6.08e-03	-8.08e-03	-2.50e-03	4.99e-04	6.92e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.32e-03	-8.58e-03	-3.80e-03	5.37e-04	-6.61e-03
		37	0.12	0.17	0.13	0.16	0.14	-9.94e-03	2.83e-03	-0.01	-5.66e-03	-2.67e-03	6.83e-03
		29	0.18	0.25	0.02	0.14	0.13	-0.12	4.96e-03	-8.39e-03	-1.90e-03	-1.54e-03	-6.67e-03
28	48	28	0.17	0.29	0.21	0.21	0.28	0.02	5.96e-03	-7.99e-03	-2.33e-03	3.00e-04	6.85e-03
		36	0.18	0.29	0.23	0.25	0.28	-0.03	5.34e-03	-8.61e-03	-3.63e-03	3.58e-04	-6.68e-03
		37	0.12	0.16	0.12	0.15	0.13	-0.02	2.78e-03	-0.01	-5.41e-03	-2.86e-03	6.80e-03
		29	0.19	0.26	-2.07e-03	0.13	0.13	-0.13	5.03e-03	-8.42e-03	-1.64e-03	-1.76e-03	-6.72e-03
28	49	28	0.18	0.30	0.20	0.21	0.29	0.03	6.07e-03	-8.10e-03	-2.51e-03	4.76e-04	6.93e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.80e-03	5.37e-04	-6.62e-03
		37	0.12	0.17	0.13	0.16	0.14	-9.97e-03	2.81e-03	-0.01	-5.68e-03	-2.67e-03	6.82e-03
		29	0.18	0.25	0.02	0.14	0.13	-0.12	4.94e-03	-8.43e-03	-1.92e-03	-1.57e-03	-6.68e-03
28	50	28	0.17	0.29	0.21	0.21	0.28	0.02	5.95e-03	-8.01e-03	-2.33e-03	2.77e-04	6.86e-03
		36	0.18	0.29	0.23	0.25	0.28	-0.03	5.35e-03	-8.62e-03	-3.63e-03	3.58e-04	-6.70e-03
		37	0.12	0.16	0.12	0.15	0.13	-0.02	2.77e-03	-0.01	-5.43e-03	-2.86e-03	6.79e-03
		29	0.19	0.26	-2.13e-03	0.13	0.13	-0.13	5.01e-03	-8.45e-03	-1.66e-03	-1.78e-03	-6.73e-03
28	51	28	0.18	0.29	0.21	0.21	0.29	0.02	6.06e-03	-8.11e-03	-2.55e-03	4.97e-04	6.92e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.31e-03	-8.62e-03	-3.85e-03	5.43e-04	-6.61e-03
		37	0.12	0.17	0.13	0.16	0.14	-0.01	2.69e-03	-0.01	-5.71e-03	-2.86e-03	6.83e-03
		29	0.18	0.26	0.02	0.14	0.14	-0.12	4.83e-03	-8.53e-03	-1.94e-03	-1.76e-03	-6.68e-03
28	52	28	0.17	0.29	0.21	0.21	0.28	0.02	5.98e-03	-7.96e-03	-2.28e-03	3.02e-04	6.85e-03
		36	0.18	0.29	0.23	0.25	0.28	-0.03	5.35e-03	-8.58e-03	-3.57e-03	3.52e-04	-6.68e-03

		37	0.11	0.16	0.12	0.15	0.13	-0.02	2.92e-03	-0.01	-5.36e-03	-2.66e-03	6.80e-03
		29	0.19	0.25	-1.32e-04	0.12	0.13	-0.13	5.15e-03	-8.29e-03	-1.59e-03	-1.55e-03	-6.72e-03
28	53	28	0.18	0.29	0.21	0.21	0.29	0.02	6.05e-03	-8.13e-03	-2.56e-03	4.74e-04	6.93e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.32e-03	-8.63e-03	-3.85e-03	5.43e-04	-6.62e-03
		37	0.12	0.17	0.13	0.16	0.14	-0.01	2.67e-03	-0.01	-5.72e-03	-2.87e-03	6.82e-03
		29	0.18	0.26	0.02	0.14	0.14	-0.12	4.81e-03	-8.56e-03	-1.96e-03	-1.78e-03	-6.69e-03
28	54	28	0.17	0.29	0.21	0.21	0.28	0.02	5.98e-03	-7.98e-03	-2.28e-03	2.79e-04	6.86e-03
		36	0.18	0.29	0.23	0.25	0.28	-0.03	5.37e-03	-8.59e-03	-3.58e-03	3.52e-04	-6.70e-03
		37	0.11	0.16	0.12	0.15	0.13	-0.02	2.91e-03	-0.01	-5.38e-03	-2.67e-03	6.79e-03
		29	0.19	0.25	-1.93e-04	0.12	0.13	-0.13	5.13e-03	-8.32e-03	-1.61e-03	-1.57e-03	-6.73e-03
28	55	28	0.18	0.31	0.20	0.21	0.29	0.04	6.23e-03	-8.21e-03	-2.70e-03	7.23e-04	7.01e-03
		36	0.18	0.29	0.25	0.25	0.29	-4.57e-03	5.32e-03	-8.57e-03	-4.00e-03	7.46e-04	-6.53e-03
		37	0.12	0.18	0.15	0.18	0.15	2.60e-03	2.88e-03	-0.01	-5.96e-03	-2.45e-03	6.86e-03
		29	0.17	0.25	0.04	0.15	0.14	-0.11	4.88e-03	-8.39e-03	-2.20e-03	-1.30e-03	-6.62e-03
28	56	28	0.17	0.28	0.21	0.21	0.28	3.61e-03	5.83e-03	-7.89e-03	-2.13e-03	6.08e-05	6.77e-03
		36	0.18	0.30	0.21	0.24	0.27	-0.04	5.37e-03	-8.65e-03	-3.42e-03	1.49e-04	-6.78e-03
		37	0.12	0.16	0.09	0.14	0.12	-0.03	2.73e-03	-0.01	-5.12e-03	-3.08e-03	6.75e-03
		29	0.20	0.26	-0.02	0.11	0.12	-0.14	5.12e-03	-8.48e-03	-1.34e-03	-2.02e-03	-6.79e-03
28	57	28	0.18	0.31	0.20	0.21	0.29	0.04	6.22e-03	-8.21e-03	-2.70e-03	7.15e-04	7.01e-03
		36	0.18	0.29	0.25	0.25	0.29	-4.56e-03	5.31e-03	-8.57e-03	-4.00e-03	7.46e-04	-6.52e-03
		37	0.12	0.18	0.15	0.18	0.15	2.62e-03	2.88e-03	-0.01	-5.97e-03	-2.45e-03	6.87e-03
		29	0.17	0.25	0.04	0.15	0.14	-0.11	4.87e-03	-8.39e-03	-2.21e-03	-1.31e-03	-6.62e-03
28	58	28	0.17	0.28	0.21	0.21	0.28	3.62e-03	5.82e-03	-7.89e-03	-2.13e-03	5.31e-05	6.77e-03
		36	0.18	0.30	0.21	0.24	0.27	-0.04	5.37e-03	-8.65e-03	-3.43e-03	1.48e-04	-6.78e-03
		37	0.12	0.16	0.09	0.14	0.12	-0.03	2.73e-03	-0.01	-5.12e-03	-3.08e-03	6.76e-03
		29	0.20	0.26	-0.02	0.11	0.12	-0.14	5.11e-03	-8.48e-03	-1.35e-03	-2.03e-03	-6.79e-03
28	59	28	0.18	0.31	0.20	0.21	0.29	0.04	6.22e-03	-8.20e-03	-2.70e-03	7.22e-04	7.01e-03
		36	0.18	0.29	0.25	0.25	0.29	-4.56e-03	5.32e-03	-8.57e-03	-4.00e-03	7.46e-04	-6.52e-03
		37	0.12	0.18	0.15	0.18	0.15	2.61e-03	2.88e-03	-0.01	-5.96e-03	-2.45e-03	6.87e-03
		29	0.17	0.25	0.04	0.15	0.14	-0.11	4.88e-03	-8.38e-03	-2.20e-03	-1.30e-03	-6.62e-03
28	60	28	0.17	0.28	0.21	0.21	0.28	3.62e-03	5.82e-03	-7.89e-03	-2.13e-03	6.04e-05	6.77e-03
		36	0.18	0.30	0.21	0.24	0.27	-0.04	5.37e-03	-8.65e-03	-3.42e-03	1.49e-04	-6.78e-03
		37	0.12	0.16	0.09	0.14	0.12	-0.03	2.73e-03	-0.01	-5.12e-03	-3.08e-03	6.76e-03
		29	0.20	0.26	-0.02	0.11	0.12	-0.14	5.11e-03	-8.48e-03	-1.34e-03	-2.02e-03	-6.79e-03
28	61	28	0.18	0.31	0.20	0.21	0.29	0.04	6.22e-03	-8.21e-03	-2.70e-03	7.15e-04	7.01e-03
		36	0.18	0.29	0.25	0.25	0.29	-4.57e-03	5.32e-03	-8.57e-03	-4.00e-03	7.46e-04	-6.53e-03
		37	0.12	0.18	0.15	0.18	0.15	2.60e-03	2.88e-03	-0.01	-5.97e-03	-2.45e-03	6.87e-03
		29	0.17	0.25	0.04	0.15	0.14	-0.11	4.87e-03	-8.39e-03	-2.21e-03	-1.31e-03	-6.62e-03
28	62	28	0.17	0.28	0.21	0.21	0.28	3.61e-03	5.82e-03	-7.90e-03	-2.13e-03	5.35e-05	6.77e-03
		36	0.18	0.30	0.21	0.24	0.27	-0.04	5.37e-03	-8.65e-03	-3.43e-03	1.48e-04	-6.78e-03
		37	0.12	0.16	0.09	0.14	0.12	-0.03	2.73e-03	-0.01	-5.12e-03	-3.08e-03	6.75e-03
		29	0.20	0.26	-0.02	0.11	0.12	-0.14	5.11e-03	-8.49e-03	-1.35e-03	-2.03e-03	-6.79e-03
28	63	28	0.18	0.31	0.20	0.21	0.29	0.03	6.15e-03	-8.31e-03	-2.87e-03	7.17e-04	7.00e-03
		36	0.18	0.30	0.25	0.25	0.29	-0.01	5.28e-03	-8.69e-03	-4.17e-03	7.66e-04	-6.53e-03
		37	0.12	0.18	0.15	0.18	0.15	-5.86e-03	2.41e-03	-0.01	-6.12e-03	-3.10e-03	6.85e-03
		29	0.18	0.26	0.03	0.15	0.14	-0.11	4.46e-03	-8.82e-03	-2.35e-03	-2.01e-03	-6.64e-03
28	64	28	0.16	0.28	0.21	0.21	0.27	0.01	5.91e-03	-7.80e-03	-1.96e-03	6.61e-05	6.78e-03
		36	0.17	0.29	0.22	0.24	0.27	-0.03	5.42e-03	-8.55e-03	-3.25e-03	1.29e-04	-6.78e-03
		37	0.11	0.16	0.10	0.14	0.12	-0.02	3.18e-03	-0.01	-4.97e-03	-2.43e-03	6.76e-03
		29	0.19	0.25	-0.02	0.11	0.12	-0.13	5.52e-03	-8.02e-03	-1.19e-03	-1.31e-03	-6.77e-03
28	65	28	0.18	0.31	0.20	0.21	0.29	0.03	6.14e-03	-8.31e-03	-2.87e-03	7.10e-04	7.00e-03
		36	0.18	0.30	0.25	0.25	0.29	-0.01	5.27e-03	-8.68e-03	-4.17e-03	7.66e-04	-6.53e-03
		37	0.12	0.18	0.15	0.18	0.15	-5.85e-03	2.41e-03	-0.01	-6.12e-03	-3.10e-03	6.86e-03
		29	0.18	0.26	0.03	0.15	0.14	-0.11	4.45e-03	-8.82e-03	-2.36e-03	-2.02e-03	-6.63e-03
28	66	28	0.16	0.28	0.21	0.21	0.27	0.01	5.90e-03	-7.80e-03	-1.96e-03	5.84e-05	6.78e-03
		36	0.17	0.29	0.22	0.24	0.27	-0.03	5.42e-03	-8.54e-03	-3.25e-03	1.28e-04	-6.77e-03
		37	0.11	0.16	0.10	0.14	0.12	-0.02	3.18e-03	-0.01	-4.97e-03	-2.43e-03	6.77e-03
		29	0.19	0.25	-0.02	0.11	0.12	-0.13	5.51e-03	-8.03e-03	-1.20e-03	-1.32e-03	-6.77e-03
28	67	28	0.18	0.31	0.20	0.21	0.29	0.03	6.15e-03	-8.30e-03	-2.87e-03	7.17e-04	7.00e-03
		36	0.18	0.30	0.25	0.25	0.29	-0.01	5.27e-03	-8.68e-03	-4.17e-03	7.66e-04	-6.53e-03
		37	0.12	0.18	0.15	0.18	0.15	-5.85e-03	2.41e-03	-0.01	-6.12e-03	-3.10e-03	6.86e-03
		29	0.18	0.26	0.03	0.15	0.14	-0.11	4.45e-03	-8.82e-03	-2.35e-03	-2.01e-03	-6.63e-03
28	68	28	0.16	0.28	0.21	0.21	0.27	0.01	5.91e-03	-7.80e-03	-1.96e-03	6.57e-05	6.78e-03
		36	0.17	0.29	0.22	0.24	0.27	-0.03	5.42e-03	-8.54e-03	-3.25e-03	1.29e-04	-6.77e-03
		37	0.11	0.16	0.10	0.14	0.12	-0.02	3.19e-03	-0.01	-4.97e-03	-2.43e-03	6.77e-03
		29	0.19	0.25	-0.02	0.11	0.12	-0.13	5.52e-03	-8.02e-03	-1.19e-03	-1.31e-03	-6.77e-03
28	69	28	0.18	0.31	0.20	0.21	0.29	0.03	6.14e-03	-8.31e-03	-2.87e-03	7.10e-04	7.00e-03
		36	0.18	0.30	0.25	0.25	0.29	-0.01	5.28e-03	-8.69e-03	-4.17e-03	7.66e-04	-6.53e-03
		37	0.12	0.18	0.15	0.18	0.15	-5.86e-03	2.41e-03	-0.01	-6.12e-03	-3.10e-03	6.86e-03
		29	0.18	0.26	0.03	0.15	0.14	-0.11	4.45e-03	-8.83e-03	-2.36e-03	-2.02e-03	-6.64e-03
28	70	28	0.16	0.28	0.21	0.21	0.27	0.01	5.91e-03	-7.81e-03	-1.96e-03	5.88e-05	6.78e-03
		36	0.17	0.29	0.22	0.24	0.27	-0.03	5.42e-03	-8.55e-03	-3.25e-03	1.29e-04	-6.78e-03
		37	0.11	0.16	0.10	0.14	0.12	-0.02	3.18e-03	-0.01	-4.97e-03	-2.43e-03	6.76e-03
		29	0.19	0.25	-0.02	0.11	0.12	-0.13	5.51e-03	-8.03e-03	-1.20e-03	-1.32e-03	-6.77e-03
28	71	28	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		37	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03

		29	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
28	72	28	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		37	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		29	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
28	73	28	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		37	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		29	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
28	74	28	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		37	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		29	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
28	75	28	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		37	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		29	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
28	76	28	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		37	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		29	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
29	1	29	0.26	0.44	0.17	0.25	0.36	-0.13	2.53e-04	-7.27e-03	-3.60e-03	-3.42e-03	3.76e-03
		37	0.22	0.39	0.25	0.28	0.35	-0.06	1.11e-03	-5.92e-03	-2.11e-03	-2.70e-03	-3.50e-03
		38	0.11	-0.02	-0.16	-0.05	-0.13	-0.06	2.15e-03	-6.20e-03	-3.65e-03	-3.97e-04	3.85e-03
		30	0.26	0.11	-0.30	-0.06	-0.13	-0.20	4.85e-03	-3.06e-03	7.12e-04	1.08e-03	-3.95e-03
29	2	29	0.26	0.44	0.17	0.25	0.36	-0.13	2.53e-04	-7.27e-03	-3.60e-03	-3.42e-03	3.76e-03
		37	0.22	0.39	0.25	0.28	0.35	-0.06	1.11e-03	-5.92e-03	-2.11e-03	-2.70e-03	-3.50e-03
		38	0.11	-0.02	-0.16	-0.05	-0.13	-0.06	2.15e-03	-6.20e-03	-3.65e-03	-3.97e-04	3.85e-03
		30	0.26	0.11	-0.30	-0.06	-0.13	-0.20	4.85e-03	-3.06e-03	7.12e-04	1.08e-03	-3.95e-03
29	3	29	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		37	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
29	4	29	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		37	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
29	5	29	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		37	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
29	6	29	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		37	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
29	7	29	20.77	32.41	0.96	5.13	28.24	10.66	0.10	-0.04	0.05	9.42e-03	0.07
		37	20.74	32.35	0.96	5.15	28.16	-10.68	0.05	-0.08	-0.02	-4.54e-03	-0.06
		38	20.53	32.04	0.91	5.08	27.86	10.60	0.04	-0.09	-0.03	-0.02	0.07
		30	20.72	32.26	0.73	5.05	27.94	-10.84	0.10	-0.05	0.05	-1.88e-03	-0.07
29	8	29	3.40	5.87e-03	-5.02	-0.77	-4.24	-1.82	-8.85e-03	-0.07	-0.01	-0.07	-0.02
		37	3.29	-0.07	-4.93	-0.76	-4.24	1.70	6.75e-03	-0.07	6.23e-03	-0.07	-6.29e-03
		38	4.18	0.24	-5.29	-0.47	-4.59	-1.85	0.35	0.08	0.08	0.35	8.23e-03
		30	3.93	0.07	-5.15	-0.50	-4.58	1.63	0.32	0.08	0.08	0.32	0.02
29	9	29	22.68	35.38	1.02	5.58	30.82	11.65	0.11	-0.05	0.05	0.01	0.08
		37	22.64	35.30	1.03	5.61	30.73	-11.66	0.06	-0.09	-0.03	-4.76e-03	-0.07
		38	22.43	35.00	0.99	5.55	30.44	11.58	0.04	-0.10	-0.04	-0.02	0.07
		30	22.63	35.23	0.81	5.52	30.53	-11.83	0.10	-0.06	0.05	-2.16e-03	-0.08
29	10	29	1.50	0.07	-2.06	-0.32	-1.67	-0.83	-7.50e-03	-0.07	-9.82e-03	-0.06	-0.01
		37	1.39	-9.45e-04	-1.98	-0.31	-1.67	0.72	6.00e-03	-0.07	4.11e-03	-0.07	-0.01
		38	2.32	0.32	-2.33	-6.21e-04	-2.01	-0.87	0.35	0.08	0.08	0.35	0.01
		30	2.09	0.16	-2.19	-0.04	-2.00	0.64	0.32	0.08	0.08	0.32	0.01
29	11	29	20.77	32.41	0.97	5.13	28.25	10.66	0.10	-0.04	0.05	9.34e-03	0.07
		37	20.74	32.35	0.96	5.15	28.16	-10.68	0.05	-0.08	-0.03	-4.61e-03	-0.06
		38	20.53	32.03	0.91	5.08	27.87	10.60	0.04	-0.09	-0.03	-0.02	0.07
		30	20.73	32.27	0.73	5.05	27.95	-10.84	0.09	-0.05	0.05	-1.94e-03	-0.07
29	12	29	3.40	1.28e-03	-5.02	-0.78	-4.25	-1.82	-8.53e-03	-0.07	-0.01	-0.07	-0.02
		37	3.29	-0.07	-4.94	-0.76	-4.24	1.70	7.09e-03	-0.07	6.57e-03	-0.07	-6.29e-03
		38	4.18	0.23	-5.29	-0.47	-4.59	-1.84	0.35	0.08	0.08	0.35	8.32e-03
		30	3.93	0.07	-5.16	-0.50	-4.59	1.63	0.32	0.08	0.08	0.32	0.02
29	13	29	22.68	35.38	1.03	5.58	30.82	11.65	0.11	-0.05	0.05	0.01	0.08
		37	22.64	35.31	1.03	5.61	30.73	-11.66	0.05	-0.09	-0.03	-4.83e-03	-0.07
		38	22.43	34.99	1.00	5.55	30.44	11.58	0.04	-0.10	-0.04	-0.02	0.07
		30	22.63	35.24	0.81	5.52	30.53	-11.83	0.10	-0.06	0.05	-2.22e-03	-0.08
29	14	29	1.50	0.07	-2.06	-0.32	-1.67	-0.83	-7.17e-03	-0.07	-9.47e-03	-0.06	-0.01
		37	1.39	9.22e-04	-1.99	-0.31	-1.67	0.72	6.34e-03	-0.07	4.45e-03	-0.07	-0.01
		38	2.32	0.32	-2.33	-1.73e-03	-2.01	-0.86	0.35	0.08	0.08	0.35	0.01
		30	2.09	0.15	-2.19	-0.04	-2.00	0.64	0.32	0.08	0.08	0.32	0.01

29	15	29	20.77	32.41	0.96	5.13	28.24	10.66	0.10	-0.04	0.05	9.41e-03	0.07
		37	20.74	32.35	0.96	5.15	28.16	-10.68	0.05	-0.08	-0.02	-4.54e-03	-0.06
		38	20.53	32.04	0.91	5.08	27.86	10.60	0.04	-0.09	-0.03	-0.02	0.07
		30	20.72	32.26	0.73	5.05	27.94	-10.84	0.10	-0.05	0.05	-1.88e-03	-0.07
29	16	29	3.40	5.87e-03	-5.02	-0.77	-4.24	-1.82	-8.86e-03	-0.07	-0.01	-0.07	-0.02
		37	3.29	-0.07	-4.93	-0.76	-4.24	1.70	6.74e-03	-0.07	6.23e-03	-0.07	-6.24e-03
		38	4.18	0.24	-5.29	-0.47	-4.59	-1.85	0.35	0.08	0.08	0.35	8.25e-03
		30	3.93	0.07	-5.15	-0.50	-4.58	1.63	0.32	0.08	0.08	0.32	0.02
29	17	29	22.68	35.38	1.02	5.58	30.82	11.65	0.11	-0.05	0.05	0.01	0.08
		37	22.64	35.30	1.03	5.61	30.73	-11.66	0.06	-0.09	-0.03	-4.76e-03	-0.07
		38	22.43	35.00	0.99	5.55	30.44	11.58	0.04	-0.10	-0.04	-0.02	0.07
		30	22.63	35.23	0.81	5.52	30.53	-11.83	0.10	-0.06	0.05	-2.15e-03	-0.08
29	18	29	1.50	0.07	-2.06	-0.32	-1.67	-0.83	-7.50e-03	-0.07	-9.82e-03	-0.06	-0.01
		37	1.39	-9.40e-04	-1.98	-0.31	-1.67	0.72	6.02e-03	-0.07	4.11e-03	-0.07	-0.01
		38	2.32	0.32	-2.33	-6.13e-04	-2.01	-0.87	0.35	0.08	0.08	0.35	0.01
		30	2.09	0.16	-2.19	-0.04	-2.00	0.64	0.32	0.08	0.08	0.32	0.01
29	19	29	20.77	32.41	0.97	5.13	28.25	10.66	0.10	-0.04	0.05	9.34e-03	0.07
		37	20.74	32.35	0.96	5.15	28.16	-10.68	0.05	-0.08	-0.03	-4.61e-03	-0.06
		38	20.53	32.03	0.91	5.08	27.87	10.60	0.04	-0.09	-0.03	-0.02	0.07
		30	20.73	32.27	0.73	5.05	27.95	-10.84	0.09	-0.05	0.05	-1.95e-03	-0.07
29	20	29	3.40	1.28e-03	-5.02	-0.78	-4.25	-1.82	-8.54e-03	-0.07	-0.01	-0.07	-0.02
		37	3.29	-0.07	-4.94	-0.76	-4.24	1.70	7.08e-03	-0.07	6.57e-03	-0.07	-6.24e-03
		38	4.18	0.23	-5.29	-0.47	-4.59	-1.84	0.35	0.08	0.08	0.35	8.34e-03
		30	3.93	0.07	-5.16	-0.50	-4.59	1.63	0.32	0.08	0.08	0.32	0.02
29	21	29	22.68	35.38	1.03	5.58	30.82	11.65	0.11	-0.05	0.05	0.01	0.08
		37	22.64	35.31	1.03	5.61	30.73	-11.66	0.05	-0.09	-0.03	-4.83e-03	-0.07
		38	22.43	34.99	1.00	5.55	30.44	11.58	0.04	-0.10	-0.04	-0.02	0.07
		30	22.63	35.24	0.81	5.52	30.53	-11.83	0.10	-0.06	0.05	-2.21e-03	-0.08
29	22	29	1.50	0.07	-2.06	-0.32	-1.67	-0.83	-7.16e-03	-0.07	-9.47e-03	-0.06	-0.01
		37	1.39	9.27e-04	-1.99	-0.31	-1.67	0.72	6.35e-03	-0.07	4.45e-03	-0.07	-0.01
		38	2.32	0.32	-2.33	-1.73e-03	-2.01	-0.86	0.35	0.08	0.08	0.35	0.01
		30	2.09	0.15	-2.19	-0.04	-2.00	0.64	0.32	0.08	0.08	0.32	0.01
29	23	29	79.25	123.31	2.91	19.05	107.17	41.02	0.38	-0.16	0.19	0.04	0.26
		37	78.90	122.82	3.13	19.08	106.87	-40.68	0.19	-0.29	-0.09	-0.01	-0.24
		38	78.66	122.78	3.52	19.53	106.78	40.65	0.15	-0.34	-0.12	-0.07	0.24
		30	79.02	123.28	3.24	19.43	107.09	-41.00	0.35	-0.19	0.18	-9.50e-03	-0.26
29	24	29	1.34	-0.23	-1.49	-0.62	-1.11	-0.58	-0.01	-0.21	-0.02	-0.21	-0.03
		37	1.24	-0.27	-1.51	-0.64	-1.14	0.57	0.02	-0.23	0.01	-0.23	-0.04
		38	3.99	1.29	-1.65	1.02	-1.39	-0.84	1.17	0.26	0.26	1.17	0.05
		30	3.46	1.04	-1.45	0.91	-1.32	0.56	1.06	0.28	0.28	1.05	0.03
29	25	29	79.82	124.20	2.93	19.19	107.95	41.32	0.39	-0.16	0.19	0.04	0.26
		37	79.47	123.71	3.15	19.22	107.64	-40.98	0.19	-0.29	-0.09	-0.01	-0.24
		38	79.23	123.67	3.55	19.67	107.55	40.95	0.15	-0.34	-0.12	-0.07	0.24
		30	79.59	124.17	3.27	19.57	107.87	-41.29	0.36	-0.19	0.18	-9.58e-03	-0.26
29	26	29	0.78	-0.12	-0.70	-0.48	-0.34	-0.28	-0.01	-0.21	-0.02	-0.20	-0.03
		37	0.78	-0.15	-0.71	-0.50	-0.37	0.27	0.02	-0.23	0.01	-0.23	-0.05
		38	3.47	1.32	-0.77	1.17	-0.62	-0.55	1.17	0.25	0.26	1.17	0.05
		30	2.98	1.09	-0.58	1.05	-0.54	0.26	1.06	0.28	0.28	1.05	0.03
29	27	29	79.25	123.31	2.91	19.05	107.17	41.02	0.38	-0.16	0.19	0.04	0.26
		37	78.90	122.82	3.13	19.08	106.87	-40.68	0.19	-0.29	-0.09	-0.01	-0.24
		38	78.66	122.78	3.52	19.53	106.78	40.65	0.15	-0.34	-0.12	-0.07	0.24
		30	79.02	123.28	3.24	19.43	107.09	-41.00	0.35	-0.19	0.18	-9.50e-03	-0.26
29	28	29	1.34	-0.23	-1.49	-0.62	-1.11	-0.58	-0.01	-0.21	-0.02	-0.21	-0.03
		37	1.24	-0.27	-1.51	-0.64	-1.14	0.57	0.02	-0.23	0.01	-0.23	-0.04
		38	3.99	1.29	-1.65	1.02	-1.39	-0.84	1.17	0.26	0.26	1.17	0.05
		30	3.46	1.04	-1.45	0.91	-1.32	0.56	1.06	0.28	0.28	1.05	0.03
29	29	29	79.82	124.20	2.93	19.19	107.95	41.32	0.39	-0.16	0.19	0.04	0.26
		37	79.47	123.71	3.15	19.22	107.64	-40.98	0.19	-0.29	-0.09	-0.01	-0.24
		38	79.23	123.67	3.55	19.67	107.55	40.95	0.15	-0.34	-0.12	-0.07	0.24
		30	79.59	124.17	3.27	19.57	107.87	-41.29	0.36	-0.19	0.18	-9.58e-03	-0.26
29	30	29	0.78	-0.12	-0.70	-0.48	-0.34	-0.28	-0.01	-0.21	-0.02	-0.20	-0.03
		37	0.78	-0.15	-0.71	-0.50	-0.37	0.27	0.02	-0.23	0.01	-0.23	-0.05
		38	3.47	1.32	-0.77	1.17	-0.62	-0.55	1.17	0.25	0.26	1.17	0.05
		30	2.98	1.09	-0.58	1.05	-0.54	0.26	1.06	0.28	0.28	1.05	0.03
29	31	29	79.25	123.32	2.93	19.06	107.19	41.01	0.38	-0.16	0.19	0.04	0.26
		37	78.90	122.83	3.12	19.08	106.87	-40.69	0.19	-0.29	-0.09	-0.01	-0.24
		38	78.65	122.78	3.53	19.53	106.78	40.64	0.15	-0.34	-0.12	-0.07	0.24
		30	79.03	123.30	3.24	19.43	107.11	-41.01	0.35	-0.19	0.17	-9.71e-03	-0.26
29	32	29	1.34	-0.25	-1.50	-0.62	-1.12	-0.57	-0.01	-0.21	-0.02	-0.20	-0.03
		37	1.24	-0.26	-1.52	-0.64	-1.14	0.58	0.02	-0.23	0.01	-0.23	-0.04
		38	3.99	1.28	-1.65	1.02	-1.39	-0.83	1.17	0.26	0.26	1.17	0.05
		30	3.47	1.04	-1.47	0.90	-1.33	0.57	1.06	0.28	0.28	1.05	0.03
29	33	29	79.82	124.21	2.95	19.19	107.96	41.30	0.39	-0.16	0.19	0.04	0.26
		37	79.47	123.72	3.14	19.22	107.64	-40.99	0.19	-0.30	-0.09	-0.01	-0.24
		38	79.22	123.67	3.56	19.67	107.55	40.94	0.15	-0.34	-0.12	-0.07	0.24
		30	79.60	124.19	3.27	19.57	107.88	-41.30	0.36	-0.19	0.18	-9.79e-03	-0.26
29	34	29	0.77	-0.14	-0.70	-0.49	-0.35	-0.27	-9.72e-03	-0.21	-0.01	-0.20	-0.03

		37	0.79	-0.14	-0.73	-0.50	-0.37	0.28	0.02	-0.23	0.01	-0.23	-0.05
		38	3.47	1.31	-0.77	1.16	-0.62	-0.54	1.17	0.26	0.26	1.17	0.05
		30	2.99	1.09	-0.60	1.04	-0.56	0.27	1.06	0.28	0.28	1.05	0.03
29	35	29	79.25	123.32	2.93	19.06	107.19	41.01	0.38	-0.16	0.19	0.04	0.26
		37	78.90	122.83	3.12	19.08	106.87	-40.69	0.19	-0.29	-0.09	-0.01	-0.24
		38	78.65	122.78	3.53	19.53	106.78	40.64	0.15	-0.34	-0.12	-0.07	0.24
		30	79.03	123.30	3.24	19.43	107.11	-41.01	0.35	-0.19	0.17	-9.71e-03	-0.26
29	36	29	1.34	-0.25	-1.50	-0.62	-1.12	-0.57	-0.01	-0.21	-0.02	-0.20	-0.03
		37	1.24	-0.26	-1.52	-0.64	-1.14	0.58	0.02	-0.23	0.01	-0.23	-0.04
		38	3.99	1.28	-1.65	1.02	-1.39	-0.83	1.17	0.26	0.26	1.17	0.05
		30	3.47	1.04	-1.47	0.90	-1.33	0.57	1.06	0.28	0.28	1.05	0.03
29	37	29	79.82	124.21	2.95	19.19	107.96	41.30	0.39	-0.16	0.19	0.04	0.26
		37	79.47	123.72	3.14	19.22	107.64	-40.99	0.19	-0.30	-0.09	-0.01	-0.24
		38	79.22	123.67	3.56	19.67	107.55	40.94	0.15	-0.34	-0.12	-0.07	0.24
		30	79.60	124.19	3.27	19.57	107.88	-41.30	0.36	-0.19	0.18	-9.79e-03	-0.26
29	38	29	0.77	-0.14	-0.70	-0.49	-0.35	-0.27	-9.72e-03	-0.21	-0.01	-0.20	-0.03
		37	0.79	-0.14	-0.73	-0.50	-0.37	0.28	0.02	-0.23	0.01	-0.23	-0.05
		38	3.47	1.31	-0.77	1.16	-0.62	-0.54	1.17	0.26	0.26	1.17	0.05
		30	2.99	1.09	-0.60	1.04	-0.56	0.27	1.06	0.28	0.28	1.05	0.03
29	39	29	0.21	0.34	0.14	0.20	0.28	-0.09	7.97e-05	-5.75e-03	-2.99e-03	-2.68e-03	2.91e-03
		37	0.17	0.30	0.20	0.22	0.28	-0.04	6.76e-04	-4.66e-03	-1.84e-03	-2.14e-03	-2.67e-03
		38	0.08	-9.49e-03	-0.11	-0.03	-0.09	-0.04	1.55e-03	-4.97e-03	-3.05e-03	-3.78e-04	2.97e-03
		30	0.19	0.09	-0.22	-0.04	-0.10	-0.16	3.58e-03	-2.50e-03	3.14e-04	7.62e-04	-3.03e-03
29	40	29	0.20	0.33	0.12	0.18	0.27	-0.10	3.12e-04	-5.41e-03	-2.54e-03	-2.56e-03	2.86e-03
		37	0.16	0.29	0.18	0.21	0.26	-0.05	1.06e-03	-4.46e-03	-1.39e-03	-2.00e-03	-2.74e-03
		38	0.09	-0.02	-0.14	-0.05	-0.11	-0.05	1.77e-03	-4.55e-03	-2.55e-03	-2.27e-04	2.94e-03
		30	0.20	0.08	-0.24	-0.05	-0.11	-0.16	3.90e-03	-2.19e-03	8.07e-04	9.07e-04	-3.04e-03
29	41	29	0.21	0.34	0.14	0.20	0.28	-0.09	7.94e-05	-5.77e-03	-3.00e-03	-2.69e-03	2.92e-03
		37	0.17	0.30	0.20	0.22	0.28	-0.04	6.49e-04	-4.65e-03	-1.86e-03	-2.15e-03	-2.65e-03
		38	0.08	-9.61e-03	-0.11	-0.03	-0.09	-0.04	1.54e-03	-5.00e-03	-3.07e-03	-3.83e-04	2.98e-03
		30	0.19	0.09	-0.22	-0.04	-0.10	-0.16	3.56e-03	-2.52e-03	2.89e-04	7.47e-04	-3.03e-03
29	42	29	0.20	0.33	0.12	0.18	0.27	-0.10	3.11e-04	-5.43e-03	-2.55e-03	-2.57e-03	2.87e-03
		37	0.16	0.29	0.18	0.21	0.26	-0.05	1.03e-03	-4.45e-03	-1.41e-03	-2.01e-03	-2.72e-03
		38	0.09	-0.02	-0.14	-0.05	-0.11	-0.05	1.77e-03	-4.57e-03	-2.58e-03	-2.32e-04	2.94e-03
		30	0.20	0.08	-0.24	-0.05	-0.11	-0.16	3.88e-03	-2.21e-03	7.82e-04	8.92e-04	-3.04e-03
29	43	29	0.21	0.35	0.14	0.20	0.28	-0.10	5.02e-06	-5.83e-03	-3.11e-03	-2.71e-03	2.91e-03
		37	0.17	0.30	0.20	0.22	0.28	-0.05	5.97e-04	-4.73e-03	-1.97e-03	-2.17e-03	-2.66e-03
		38	0.08	-8.07e-03	-0.11	-0.03	-0.09	-0.04	1.47e-03	-5.03e-03	-3.16e-03	-3.99e-04	2.94e-03
		30	0.19	0.09	-0.22	-0.04	-0.09	-0.16	3.51e-03	-2.58e-03	1.99e-04	7.39e-04	-3.03e-03
29	44	29	0.20	0.33	0.12	0.18	0.27	-0.10	3.90e-04	-5.34e-03	-2.41e-03	-2.53e-03	2.86e-03
		37	0.16	0.29	0.18	0.21	0.26	-0.05	1.14e-03	-4.39e-03	-1.27e-03	-1.98e-03	-2.74e-03
		38	0.09	-0.02	-0.13	-0.05	-0.11	-0.05	1.85e-03	-4.50e-03	-2.44e-03	-2.07e-04	2.97e-03
		30	0.20	0.08	-0.24	-0.05	-0.11	-0.16	3.97e-03	-2.12e-03	9.22e-04	9.31e-04	-3.04e-03
29	45	29	0.21	0.35	0.14	0.20	0.28	-0.10	4.81e-06	-5.85e-03	-3.13e-03	-2.72e-03	2.92e-03
		37	0.17	0.30	0.20	0.22	0.28	-0.05	5.71e-04	-4.73e-03	-1.98e-03	-2.17e-03	-2.65e-03
		38	0.08	-8.18e-03	-0.11	-0.03	-0.09	-0.04	1.46e-03	-5.05e-03	-3.18e-03	-4.03e-04	2.94e-03
		30	0.19	0.09	-0.22	-0.04	-0.09	-0.16	3.50e-03	-2.60e-03	1.74e-04	7.24e-04	-3.03e-03
29	46	29	0.20	0.33	0.12	0.18	0.27	-0.10	3.89e-04	-5.36e-03	-2.42e-03	-2.54e-03	2.87e-03
		37	0.16	0.29	0.18	0.21	0.26	-0.05	1.11e-03	-4.38e-03	-1.28e-03	-1.98e-03	-2.72e-03
		38	0.09	-0.02	-0.13	-0.05	-0.11	-0.05	1.85e-03	-4.52e-03	-2.46e-03	-2.12e-04	2.98e-03
		30	0.20	0.08	-0.24	-0.05	-0.11	-0.16	3.95e-03	-2.14e-03	8.97e-04	9.15e-04	-3.04e-03
29	47	29	0.21	0.34	0.14	0.20	0.28	-0.09	8.84e-05	-5.76e-03	-2.99e-03	-2.69e-03	2.92e-03
		37	0.17	0.30	0.20	0.22	0.28	-0.04	6.59e-04	-4.65e-03	-1.84e-03	-2.14e-03	-2.65e-03
		38	0.08	-9.49e-03	-0.11	-0.03	-0.09	-0.04	1.55e-03	-4.98e-03	-3.05e-03	-3.78e-04	2.98e-03
		30	0.19	0.09	-0.22	-0.04	-0.10	-0.16	3.58e-03	-2.50e-03	3.13e-04	7.61e-04	-3.03e-03
29	48	29	0.20	0.33	0.12	0.18	0.27	-0.10	3.20e-04	-5.42e-03	-2.54e-03	-2.56e-03	2.87e-03
		37	0.16	0.29	0.18	0.21	0.26	-0.05	1.04e-03	-4.44e-03	-1.39e-03	-2.00e-03	-2.72e-03
		38	0.09	-0.02	-0.14	-0.05	-0.11	-0.05	1.78e-03	-4.56e-03	-2.55e-03	-2.27e-04	2.95e-03
		30	0.20	0.08	-0.24	-0.05	-0.11	-0.16	3.90e-03	-2.19e-03	8.06e-04	9.06e-04	-3.04e-03
29	49	29	0.21	0.34	0.14	0.20	0.28	-0.09	7.07e-05	-5.76e-03	-3.00e-03	-2.69e-03	2.91e-03
		37	0.17	0.30	0.20	0.22	0.28	-0.04	6.66e-04	-4.67e-03	-1.86e-03	-2.15e-03	-2.66e-03
		38	0.08	-9.61e-03	-0.11	-0.03	-0.09	-0.04	1.54e-03	-4.99e-03	-3.07e-03	-3.83e-04	2.97e-03
		30	0.19	0.09	-0.22	-0.04	-0.10	-0.16	3.56e-03	-2.52e-03	2.90e-04	7.48e-04	-3.03e-03
29	50	29	0.20	0.33	0.12	0.18	0.27	-0.10	3.02e-04	-5.42e-03	-2.55e-03	-2.57e-03	2.86e-03
		37	0.16	0.29	0.18	0.21	0.26	-0.05	1.05e-03	-4.46e-03	-1.41e-03	-2.01e-03	-2.74e-03
		38	0.09	-0.02	-0.14	-0.05	-0.11	-0.05	1.76e-03	-4.57e-03	-2.57e-03	-2.32e-04	2.94e-03
		30	0.20	0.08	-0.24	-0.05	-0.11	-0.16	3.88e-03	-2.20e-03	7.83e-04	8.92e-04	-3.04e-03
29	51	29	0.21	0.35	0.14	0.20	0.28	-0.10	1.37e-05	-5.84e-03	-3.11e-03	-2.71e-03	2.92e-03
		37	0.17	0.30	0.20	0.22	0.28	-0.05	5.81e-04	-4.72e-03	-1.97e-03	-2.17e-03	-2.65e-03
		38	0.08	-8.07e-03	-0.11	-0.03	-0.09	-0.04	1.47e-03	-5.03e-03	-3.16e-03	-3.99e-04	2.95e-03
		30	0.19	0.09	-0.22	-0.04	-0.09	-0.16	3.51e-03	-2.58e-03	1.98e-04	7.38e-04	-3.03e-03
29	52	29	0.20	0.33	0.12	0.18	0.27	-0.10	3.99e-04	-5.35e-03	-2.41e-03	-2.54e-03	2.87e-03
		37	0.16	0.29	0.18	0.21	0.26	-0.05	1.12e-03	-4.37e-03	-1.27e-03	-1.98e-03	-2.72e-03
		38	0.09	-0.02	-0.13	-0.05	-0.11	-0.05	1.86e-03	-4.51e-03	-2.44e-03	-2.07e-04	2.98e-03
		30	0.20	0.08	-0.24	-0.05	-0.11	-0.16	3.97e-03	-2.12e-03	9.21e-04	9.29e-04	-3.04e-03
29	53	29	0.21	0.35	0.14	0.20	0.28	-0.10	-3.91e-06	-5.84e-03	-3.13e-03	-2.72e-03	2.91e-03
		37	0.17	0.30	0.20	0.22	0.28	-0.05	5.87e-04	-4.74e-03	-1.98e-03	-2.17e-03	-2.66e-03

		38	0.08	-8.18e-03	-0.11	-0.03	-0.09	-0.04	1.46e-03	-5.04e-03	-3.18e-03	-4.03e-04	2.94e-03
		30	0.19	0.09	-0.22	-0.04	-0.09	-0.16	3.50e-03	-2.60e-03	1.75e-04	7.25e-04	-3.03e-03
29	54	29	0.20	0.33	0.12	0.18	0.27	-0.10	3.81e-04	-5.35e-03	-2.42e-03	-2.54e-03	2.86e-03
		37	0.16	0.29	0.18	0.21	0.26	-0.05	1.13e-03	-4.39e-03	-1.28e-03	-1.98e-03	-2.74e-03
		38	0.09	-0.02	-0.13	-0.05	-0.11	-0.05	1.84e-03	-4.51e-03	-2.46e-03	-2.11e-04	2.97e-03
		30	0.20	0.08	-0.24	-0.05	-0.11	-0.16	3.95e-03	-2.13e-03	8.98e-04	9.16e-04	-3.04e-03
29	55	29	0.21	0.35	0.15	0.21	0.30	-0.09	-1.80e-04	-6.16e-03	-3.51e-03	-2.83e-03	2.97e-03
		37	0.19	0.32	0.22	0.24	0.30	-0.04	2.31e-04	-4.91e-03	-2.38e-03	-2.31e-03	-2.57e-03
		38	0.07	6.67e-03	-0.08	-0.01	-0.06	-0.04	1.29e-03	-5.48e-03	-3.63e-03	-5.56e-04	3.02e-03
		30	0.19	0.10	-0.20	-0.02	-0.08	-0.15	3.21e-03	-2.89e-03	-2.70e-04	5.88e-04	-3.02e-03
29	56	29	0.20	0.32	0.10	0.17	0.25	-0.10	5.94e-04	-5.04e-03	-2.02e-03	-2.42e-03	2.81e-03
		37	0.16	0.27	0.16	0.19	0.24	-0.05	1.51e-03	-4.22e-03	-8.71e-04	-1.84e-03	-2.82e-03
		38	0.10	-0.04	-0.16	-0.07	-0.13	-0.05	2.04e-03	-4.07e-03	-1.98e-03	-5.29e-05	2.90e-03
		30	0.21	0.07	-0.26	-0.07	-0.13	-0.16	4.28e-03	-1.84e-03	1.37e-03	1.07e-03	-3.05e-03
29	57	29	0.21	0.35	0.15	0.21	0.30	-0.09	-1.80e-04	-6.17e-03	-3.51e-03	-2.83e-03	2.97e-03
		37	0.19	0.32	0.22	0.24	0.30	-0.04	2.23e-04	-4.91e-03	-2.38e-03	-2.31e-03	-2.57e-03
		38	0.07	6.63e-03	-0.08	-0.01	-0.06	-0.04	1.29e-03	-5.49e-03	-3.64e-03	-5.57e-04	3.02e-03
		30	0.19	0.10	-0.20	-0.02	-0.08	-0.15	3.20e-03	-2.90e-03	-2.77e-04	5.83e-04	-3.02e-03
29	58	29	0.20	0.32	0.10	0.17	0.25	-0.10	5.94e-04	-5.05e-03	-2.03e-03	-2.43e-03	2.81e-03
		37	0.16	0.27	0.16	0.19	0.24	-0.05	1.50e-03	-4.22e-03	-8.75e-04	-1.84e-03	-2.82e-03
		38	0.10	-0.04	-0.16	-0.07	-0.13	-0.05	2.04e-03	-4.08e-03	-1.99e-03	-5.42e-05	2.90e-03
		30	0.21	0.07	-0.26	-0.07	-0.13	-0.16	4.27e-03	-1.84e-03	1.37e-03	1.07e-03	-3.05e-03
29	59	29	0.21	0.35	0.15	0.21	0.30	-0.09	-1.77e-04	-6.16e-03	-3.51e-03	-2.83e-03	2.97e-03
		37	0.19	0.32	0.22	0.24	0.30	-0.04	2.26e-04	-4.91e-03	-2.38e-03	-2.31e-03	-2.57e-03
		38	0.07	6.67e-03	-0.08	-0.01	-0.06	-0.04	1.29e-03	-5.48e-03	-3.63e-03	-5.56e-04	3.02e-03
		30	0.19	0.10	-0.20	-0.02	-0.08	-0.15	3.21e-03	-2.89e-03	-2.70e-04	5.87e-04	-3.02e-03
29	60	29	0.20	0.32	0.10	0.17	0.25	-0.10	5.96e-04	-5.04e-03	-2.02e-03	-2.42e-03	2.81e-03
		37	0.16	0.27	0.16	0.19	0.24	-0.05	1.50e-03	-4.22e-03	-8.71e-04	-1.84e-03	-2.82e-03
		38	0.10	-0.04	-0.16	-0.07	-0.13	-0.05	2.04e-03	-4.08e-03	-1.98e-03	-5.29e-05	2.90e-03
		30	0.21	0.07	-0.26	-0.07	-0.13	-0.16	4.28e-03	-1.84e-03	1.37e-03	1.07e-03	-3.05e-03
29	61	29	0.21	0.35	0.15	0.21	0.30	-0.09	-1.83e-04	-6.16e-03	-3.51e-03	-2.83e-03	2.97e-03
		37	0.19	0.32	0.22	0.24	0.30	-0.04	2.28e-04	-4.92e-03	-2.38e-03	-2.31e-03	-2.57e-03
		38	0.07	6.63e-03	-0.08	-0.01	-0.06	-0.04	1.29e-03	-5.49e-03	-3.64e-03	-5.57e-04	3.02e-03
		30	0.19	0.10	-0.20	-0.02	-0.08	-0.15	3.20e-03	-2.90e-03	-2.77e-04	5.84e-04	-3.02e-03
29	62	29	0.20	0.32	0.10	0.17	0.25	-0.10	5.91e-04	-5.04e-03	-2.03e-03	-2.43e-03	2.81e-03
		37	0.16	0.27	0.16	0.19	0.24	-0.05	1.50e-03	-4.22e-03	-8.75e-04	-1.84e-03	-2.82e-03
		38	0.10	-0.04	-0.16	-0.07	-0.13	-0.05	2.03e-03	-4.08e-03	-1.99e-03	-5.42e-05	2.90e-03
		30	0.21	0.07	-0.26	-0.07	-0.13	-0.16	4.27e-03	-1.84e-03	1.37e-03	1.07e-03	-3.05e-03
29	63	29	0.22	0.36	0.15	0.21	0.30	-0.09	-4.16e-04	-6.44e-03	-3.94e-03	-2.92e-03	2.97e-03
		37	0.19	0.32	0.22	0.24	0.30	-0.04	-1.40e-05	-5.17e-03	-2.80e-03	-2.39e-03	-2.57e-03
		38	0.07	0.01	-0.09	-0.01	-0.06	-0.04	1.04e-03	-5.68e-03	-4.01e-03	-6.24e-04	2.90e-03
		30	0.19	0.11	-0.20	-0.02	-0.07	-0.15	3.01e-03	-3.15e-03	-6.53e-04	5.11e-04	-3.02e-03
29	64	29	0.19	0.32	0.10	0.17	0.25	-0.10	8.69e-04	-4.80e-03	-1.60e-03	-2.33e-03	2.81e-03
		37	0.15	0.27	0.16	0.19	0.24	-0.05	1.79e-03	-4.01e-03	-4.51e-04	-1.76e-03	-2.82e-03
		38	0.10	-0.04	-0.16	-0.07	-0.13	-0.05	2.33e-03	-3.92e-03	-1.60e-03	1.51e-05	3.02e-03
		30	0.21	0.06	-0.26	-0.07	-0.13	-0.16	4.52e-03	-1.62e-03	1.76e-03	1.15e-03	-3.05e-03
29	65	29	0.22	0.36	0.15	0.21	0.30	-0.09	-4.16e-04	-6.45e-03	-3.94e-03	-2.93e-03	2.97e-03
		37	0.19	0.32	0.22	0.24	0.30	-0.04	-2.16e-05	-5.17e-03	-2.80e-03	-2.39e-03	-2.56e-03
		38	0.07	0.01	-0.09	-0.01	-0.06	-0.04	1.04e-03	-5.68e-03	-4.02e-03	-6.25e-04	2.90e-03
		30	0.19	0.11	-0.20	-0.02	-0.07	-0.15	3.00e-03	-3.16e-03	-6.60e-04	5.06e-04	-3.02e-03
29	66	29	0.19	0.32	0.10	0.17	0.25	-0.10	8.69e-04	-4.80e-03	-1.60e-03	-2.33e-03	2.81e-03
		37	0.15	0.27	0.16	0.19	0.24	-0.05	1.78e-03	-4.00e-03	-4.56e-04	-1.76e-03	-2.82e-03
		38	0.10	-0.04	-0.16	-0.07	-0.13	-0.05	2.33e-03	-3.92e-03	-1.61e-03	1.37e-05	3.02e-03
		30	0.21	0.06	-0.26	-0.07	-0.13	-0.16	4.51e-03	-1.62e-03	1.75e-03	1.14e-03	-3.05e-03
29	67	29	0.22	0.36	0.15	0.21	0.30	-0.09	-4.13e-04	-6.45e-03	-3.94e-03	-2.92e-03	2.97e-03
		37	0.19	0.32	0.22	0.24	0.30	-0.04	-1.89e-05	-5.16e-03	-2.80e-03	-2.39e-03	-2.56e-03
		38	0.07	0.01	-0.09	-0.01	-0.06	-0.04	1.04e-03	-5.68e-03	-4.01e-03	-6.24e-04	2.90e-03
		30	0.19	0.11	-0.20	-0.02	-0.07	-0.15	3.01e-03	-3.15e-03	-6.53e-04	5.10e-04	-3.02e-03
29	68	29	0.19	0.32	0.10	0.17	0.25	-0.10	8.72e-04	-4.80e-03	-1.60e-03	-2.33e-03	2.81e-03
		37	0.15	0.27	0.16	0.19	0.24	-0.05	1.79e-03	-4.00e-03	-4.51e-04	-1.76e-03	-2.82e-03
		38	0.10	-0.04	-0.16	-0.07	-0.13	-0.05	2.33e-03	-3.92e-03	-1.60e-03	1.51e-05	3.02e-03
		30	0.21	0.06	-0.26	-0.07	-0.13	-0.16	4.52e-03	-1.62e-03	1.76e-03	1.15e-03	-3.05e-03
29	69	29	0.22	0.36	0.15	0.21	0.30	-0.09	-4.18e-04	-6.45e-03	-3.94e-03	-2.93e-03	2.97e-03
		37	0.19	0.32	0.22	0.24	0.30	-0.04	-1.68e-05	-5.17e-03	-2.80e-03	-2.39e-03	-2.57e-03
		38	0.07	0.01	-0.09	-0.01	-0.06	-0.04	1.04e-03	-5.68e-03	-4.02e-03	-6.25e-04	2.90e-03
		30	0.19	0.11	-0.20	-0.02	-0.07	-0.15	3.00e-03	-3.16e-03	-6.60e-04	5.06e-04	-3.02e-03
29	70	29	0.19	0.32	0.10	0.17	0.25	-0.10	8.66e-04	-4.80e-03	-1.60e-03	-2.33e-03	2.81e-03
		37	0.15	0.27	0.16	0.19	0.24	-0.05	1.79e-03	-4.01e-03	-4.56e-04	-1.76e-03	-2.82e-03
		38	0.10	-0.04	-0.16	-0.07	-0.13	-0.05	2.33e-03	-3.92e-03	-1.61e-03	1.38e-05	3.02e-03
		30	0.21	0.06	-0.26	-0.07	-0.13	-0.16	4.51e-03	-1.62e-03	1.75e-03	1.14e-03	-3.05e-03
29	71	29	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		37	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
29	72	29	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		37	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03

		30	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
29	73	29	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		37	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
29	74	29	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		37	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
29	75	29	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		37	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
29	76	29	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		37	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
30	1	31	0.26	-0.17	-0.44	-0.25	-0.36	0.13	2.53e-04	-7.27e-03	-3.60e-03	-3.42e-03	3.76e-03
		39	0.22	-0.25	-0.39	-0.28	-0.35	0.06	1.11e-03	-5.92e-03	-2.11e-03	-2.70e-03	-3.50e-03
		38	0.11	0.16	0.02	0.05	0.13	0.06	2.15e-03	-6.20e-03	-3.65e-03	-3.97e-04	3.85e-03
		30	0.26	0.30	-0.11	0.06	0.13	0.20	4.85e-03	-3.06e-03	7.12e-04	1.08e-03	-3.95e-03
30	2	31	0.26	-0.17	-0.44	-0.25	-0.36	0.13	2.53e-04	-7.27e-03	-3.60e-03	-3.42e-03	3.76e-03
		39	0.22	-0.25	-0.39	-0.28	-0.35	0.06	1.11e-03	-5.92e-03	-2.11e-03	-2.70e-03	-3.50e-03
		38	0.11	0.16	0.02	0.05	0.13	0.06	2.15e-03	-6.20e-03	-3.65e-03	-3.97e-04	3.85e-03
		30	0.26	0.30	-0.11	0.06	0.13	0.20	4.85e-03	-3.06e-03	7.12e-04	1.08e-03	-3.95e-03
30	3	31	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		39	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
30	4	31	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		39	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
30	5	31	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		39	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
30	6	31	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		39	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
30	7	31	20.67	32.01	0.43	4.75	27.69	10.85	0.03	-0.10	-0.05	-0.01	-0.06
		39	20.47	31.76	0.58	4.72	27.62	-10.58	0.07	-0.05	0.02	3.92e-04	0.06
		38	20.66	32.28	0.95	5.16	28.06	10.69	0.08	-0.04	0.03	0.02	-0.06
		30	20.59	32.24	1.05	5.14	28.15	-10.53	0.05	-0.09	-0.05	3.54e-03	0.06
30	8	31	5.91	1.29	-5.65	1.16	-5.51	-0.97	0.90	0.29	0.29	0.90	2.93e-03
		39	6.67	2.30	-6.10	1.70	-5.50	2.16	0.99	0.30	0.30	0.99	-0.01
		38	4.02	0.04	-5.04	-0.82	-4.18	-1.91	-0.07	-0.41	-0.07	-0.41	5.76e-03
		30	4.15	0.06	-5.07	-0.83	-4.19	1.94	-0.04	-0.38	-0.05	-0.37	0.07
30	9	31	22.58	34.98	0.49	5.20	30.27	11.84	0.04	-0.11	-0.06	-0.02	-0.07
		39	22.37	34.72	0.65	5.18	30.19	-11.56	0.08	-0.05	0.02	6.11e-04	0.06
		38	22.56	35.24	1.03	5.63	30.64	11.67	0.09	-0.04	0.03	0.02	-0.07
		30	22.49	35.21	1.13	5.61	30.73	-11.51	0.05	-0.10	-0.05	3.81e-03	0.07
30	10	31	4.31	1.61	-2.93	1.61	-2.93	0.02	0.90	0.28	0.28	0.90	-3.30e-03
		39	4.90	2.41	-3.20	2.15	-2.94	1.18	0.99	0.30	0.30	0.99	-4.73e-03
		38	2.16	0.14	-2.10	-0.35	-1.61	-0.93	-0.06	-0.41	-0.06	-0.41	-8.72e-06
		30	2.27	0.15	-2.12	-0.36	-1.61	0.95	-0.04	-0.38	-0.06	-0.37	0.07
30	11	31	20.67	32.01	0.43	4.75	27.70	10.85	0.03	-0.10	-0.05	-0.01	-0.06
		39	20.47	31.77	0.58	4.72	27.62	-10.59	0.07	-0.05	0.02	4.55e-04	0.06
		38	20.66	32.28	0.95	5.17	28.06	10.69	0.08	-0.04	0.03	0.02	-0.06
		30	20.59	32.24	1.05	5.14	28.15	-10.53	0.05	-0.09	-0.04	3.60e-03	0.06
30	12	31	5.92	1.29	-5.65	1.15	-5.51	-0.97	0.90	0.29	0.29	0.90	2.93e-03
		39	6.67	2.30	-6.10	1.70	-5.51	2.16	0.99	0.30	0.30	0.99	-0.01
		38	4.02	0.04	-5.04	-0.82	-4.18	-1.91	-0.07	-0.41	-0.07	-0.41	5.66e-03
		30	4.15	0.06	-5.08	-0.83	-4.20	1.94	-0.04	-0.38	-0.05	-0.37	0.07
30	13	31	22.58	34.98	0.49	5.20	30.27	11.84	0.04	-0.11	-0.06	-0.02	-0.07
		39	22.37	34.72	0.65	5.18	30.19	-11.57	0.08	-0.05	0.02	6.74e-04	0.06
		38	22.55	35.24	1.03	5.63	30.64	11.67	0.09	-0.04	0.03	0.02	-0.07
		30	22.49	35.21	1.13	5.61	30.74	-11.51	0.05	-0.10	-0.05	3.87e-03	0.07
30	14	31	4.31	1.61	-2.94	1.61	-2.94	0.02	0.90	0.28	0.28	0.90	-3.30e-03
		39	4.90	2.41	-3.20	2.15	-2.94	1.18	0.99	0.30	0.30	0.99	-4.73e-03
		38	2.16	0.14	-2.10	-0.35	-1.61	-0.93	-0.06	-0.41	-0.06	-0.41	-1.04e-04
		30	2.27	0.15	-2.13	-0.36	-1.61	0.95	-0.04	-0.38	-0.06	-0.37	0.07
30	15	31	20.67	32.01	0.43	4.75	27.69	10.85	0.03	-0.10	-0.05	-0.01	-0.06
		39	20.47	31.76	0.58	4.72	27.62	-10.58	0.07	-0.05	0.02	3.93e-04	0.06
		38	20.66	32.28	0.95	5.16	28.06	10.69	0.08	-0.04	0.03	0.02	-0.06
		30	20.59	32.24	1.05	5.14	28.15	-10.53	0.05	-0.09	-0.05	3.54e-03	0.06

30	16	31	5.91	1.29	-5.65	1.15	-5.51	-0.97	0.90	0.29	0.29	0.90	2.90e-03
		39	6.67	2.30	-6.10	1.70	-5.50	2.16	0.99	0.30	0.30	0.99	-0.01
		38	4.02	0.04	-5.04	-0.82	-4.18	-1.91	-0.07	-0.41	-0.07	-0.41	5.74e-03
		30	4.15	0.06	-5.07	-0.83	-4.19	1.94	-0.04	-0.38	-0.05	-0.37	0.07
30	17	31	22.58	34.98	0.49	5.20	30.27	11.84	0.04	-0.11	-0.06	-0.02	-0.07
		39	22.37	34.72	0.65	5.18	30.19	-11.56	0.08	-0.05	0.02	6.11e-04	0.06
		38	22.56	35.24	1.03	5.63	30.64	11.67	0.09	-0.04	0.03	0.02	-0.07
		30	22.49	35.21	1.13	5.61	30.73	-11.51	0.05	-0.10	-0.05	3.81e-03	0.07
30	18	31	4.31	1.61	-2.93	1.61	-2.93	0.02	0.90	0.28	0.28	0.90	-3.28e-03
		39	4.90	2.41	-3.20	2.15	-2.94	1.18	0.99	0.30	0.30	0.99	-4.69e-03
		38	2.16	0.14	-2.10	-0.35	-1.61	-0.93	-0.06	-0.41	-0.06	-0.41	1.18e-05
		30	2.27	0.15	-2.12	-0.36	-1.61	0.95	-0.04	-0.38	-0.06	-0.37	0.07
30	19	31	20.67	32.01	0.43	4.75	27.70	10.85	0.03	-0.10	-0.05	-0.01	-0.06
		39	20.47	31.77	0.58	4.72	27.62	-10.59	0.07	-0.05	0.02	4.56e-04	0.06
		38	20.66	32.28	0.95	5.17	28.06	10.69	0.08	-0.04	0.03	0.02	-0.06
		30	20.59	32.24	1.05	5.14	28.15	-10.53	0.05	-0.09	-0.04	3.60e-03	0.06
30	20	31	5.92	1.29	-5.65	1.15	-5.51	-0.97	0.90	0.29	0.29	0.90	2.90e-03
		39	6.67	2.30	-6.10	1.70	-5.51	2.16	0.99	0.30	0.30	0.99	-0.01
		38	4.02	0.04	-5.04	-0.82	-4.18	-1.91	-0.07	-0.41	-0.07	-0.41	5.74e-03
		30	4.15	0.06	-5.08	-0.83	-4.20	1.94	-0.04	-0.38	-0.05	-0.37	0.07
30	21	31	22.58	34.98	0.49	5.20	30.27	11.84	0.04	-0.11	-0.06	-0.02	-0.07
		39	22.37	34.72	0.65	5.18	30.19	-11.57	0.08	-0.05	0.02	6.73e-04	0.06
		38	22.55	35.24	1.03	5.63	30.64	11.67	0.09	-0.04	0.03	0.02	-0.07
		30	22.49	35.21	1.13	5.61	30.74	-11.51	0.05	-0.10	-0.05	3.87e-03	0.07
30	22	31	4.31	1.61	-2.94	1.61	-2.94	0.02	0.90	0.28	0.28	0.90	-3.28e-03
		39	4.90	2.41	-3.20	2.15	-2.94	1.18	0.99	0.30	0.30	0.99	-4.69e-03
		38	2.16	0.14	-2.10	-0.35	-1.61	-0.93	-0.06	-0.41	-0.06	-0.41	1.18e-05
		30	2.27	0.15	-2.13	-0.36	-1.61	0.95	-0.04	-0.38	-0.06	-0.37	0.07
30	23	31	79.16	122.92	2.38	18.67	106.62	41.21	0.14	-0.38	-0.19	-0.05	-0.25
		39	78.63	122.24	2.75	18.65	106.33	-40.59	0.28	-0.19	0.09	7.28e-03	0.23
		38	78.78	123.03	3.56	19.61	106.97	40.75	0.33	-0.15	0.11	0.07	-0.24
		30	78.88	123.25	3.56	19.51	107.30	-40.68	0.18	-0.35	-0.17	0.01	0.25
30	24	31	11.40	6.99	-4.33	6.70	-4.04	1.79	3.00	0.94	0.94	3.00	-0.03
		39	12.83	8.85	-4.36	8.58	-4.09	1.88	3.29	1.00	1.00	3.29	1.83e-03
		38	3.72	0.85	-1.69	-0.34	-0.50	-1.27	-0.20	-1.36	-0.20	-1.36	-0.02
		30	3.74	0.42	-1.30	-0.37	-0.50	0.86	-0.14	-1.29	-0.20	-1.23	0.27
30	25	31	79.73	123.81	2.40	18.81	107.40	41.51	0.15	-0.39	-0.19	-0.05	-0.26
		39	79.20	123.12	2.77	18.79	107.10	-40.88	0.29	-0.19	0.09	7.35e-03	0.23
		38	79.35	123.92	3.58	19.75	107.75	41.04	0.33	-0.15	0.11	0.07	-0.24
		30	79.45	124.14	3.59	19.66	108.07	-40.98	0.19	-0.35	-0.18	0.01	0.25
30	26	31	11.05	7.25	-3.68	6.84	-3.27	2.09	3.00	0.94	0.94	3.00	-0.03
		39	12.35	8.92	-3.52	8.71	-3.32	1.59	3.29	1.00	1.00	3.29	3.53e-03
		38	3.53	1.04	-0.96	-0.20	0.27	-0.97	-0.20	-1.36	-0.20	-1.36	-0.02
		30	3.18	0.64	-0.60	-0.23	0.28	0.56	-0.14	-1.29	-0.20	-1.23	0.27
30	27	31	79.16	122.92	2.38	18.67	106.62	41.21	0.14	-0.38	-0.19	-0.05	-0.25
		39	78.63	122.24	2.75	18.65	106.33	-40.59	0.28	-0.19	0.09	7.28e-03	0.23
		38	78.78	123.03	3.56	19.61	106.97	40.75	0.33	-0.15	0.11	0.07	-0.24
		30	78.88	123.25	3.56	19.51	107.30	-40.68	0.18	-0.35	-0.17	0.01	0.25
30	28	31	11.40	6.99	-4.33	6.70	-4.04	1.79	3.00	0.94	0.94	3.00	-0.03
		39	12.83	8.85	-4.36	8.58	-4.09	1.88	3.29	1.00	1.00	3.29	1.82e-03
		38	3.72	0.85	-1.69	-0.34	-0.50	-1.27	-0.20	-1.36	-0.20	-1.36	-0.02
		30	3.74	0.42	-1.30	-0.37	-0.50	0.86	-0.14	-1.29	-0.20	-1.23	0.27
30	29	31	79.73	123.81	2.40	18.81	107.40	41.51	0.15	-0.39	-0.19	-0.05	-0.26
		39	79.20	123.12	2.77	18.79	107.10	-40.88	0.29	-0.19	0.09	7.35e-03	0.23
		38	79.35	123.92	3.58	19.75	107.75	41.04	0.33	-0.15	0.11	0.07	-0.24
		30	79.45	124.14	3.59	19.66	108.07	-40.98	0.19	-0.35	-0.18	0.01	0.25
30	30	31	11.05	7.25	-3.68	6.84	-3.27	2.09	3.00	0.94	0.94	3.00	-0.03
		39	12.35	8.92	-3.52	8.71	-3.32	1.59	3.29	1.00	1.00	3.29	3.54e-03
		38	3.53	1.04	-0.96	-0.20	0.27	-0.97	-0.20	-1.36	-0.20	-1.36	-0.02
		30	3.18	0.64	-0.60	-0.23	0.28	0.56	-0.14	-1.29	-0.20	-1.23	0.27
30	31	31	79.16	122.92	2.39	18.68	106.64	41.20	0.14	-0.38	-0.19	-0.05	-0.25
		39	78.64	122.25	2.74	18.65	106.33	-40.60	0.28	-0.19	0.09	7.49e-03	0.23
		38	78.78	123.02	3.57	19.61	106.98	40.73	0.33	-0.14	0.11	0.07	-0.24
		30	78.90	123.28	3.56	19.52	107.32	-40.69	0.18	-0.35	-0.17	0.01	0.25
30	32	31	11.41	6.99	-4.35	6.70	-4.06	1.80	3.00	0.94	0.94	3.00	-0.03
		39	12.83	8.85	-4.37	8.57	-4.09	1.89	3.29	1.00	1.00	3.29	1.84e-03
		38	3.71	0.83	-1.68	-0.34	-0.50	-1.25	-0.20	-1.36	-0.20	-1.36	-0.02
		30	3.76	0.42	-1.32	-0.38	-0.52	0.87	-0.14	-1.29	-0.20	-1.23	0.27
30	33	31	79.73	123.81	2.41	18.81	107.41	41.50	0.15	-0.39	-0.19	-0.05	-0.26
		39	79.21	123.13	2.76	18.79	107.10	-40.89	0.29	-0.19	0.09	7.55e-03	0.23
		38	79.34	123.91	3.59	19.76	107.75	41.03	0.33	-0.15	0.11	0.07	-0.24
		30	79.47	124.17	3.59	19.66	108.09	-40.99	0.19	-0.35	-0.17	0.01	0.25
30	34	31	11.06	7.25	-3.70	6.83	-3.29	2.10	3.00	0.94	0.94	3.00	-0.03
		39	12.35	8.92	-3.53	8.71	-3.32	1.60	3.29	1.00	1.00	3.29	3.54e-03
		38	3.53	1.02	-0.95	-0.20	0.27	-0.96	-0.20	-1.36	-0.20	-1.36	-0.02
		30	3.19	0.64	-0.62	-0.24	0.26	0.57	-0.14	-1.29	-0.21	-1.23	0.27
30	35	31	79.16	122.92	2.39	18.68	106.64	41.20	0.14	-0.38	-0.19	-0.05	-0.25

		39	78.64	122.25	2.74	18.65	106.33	-40.60	0.28	-0.19	0.09	7.49e-03	0.23
		38	78.78	123.02	3.57	19.61	106.98	40.73	0.33	-0.14	0.11	0.07	-0.24
		30	78.90	123.28	3.56	19.52	107.32	-40.69	0.18	-0.35	-0.17	0.01	0.25
30	36	31	11.41	6.99	-4.35	6.70	-4.06	1.80	3.00	0.94	0.94	3.00	-0.03
		39	12.83	8.85	-4.37	8.57	-4.09	1.89	3.29	1.00	1.00	3.29	1.83e-03
		38	3.71	0.83	-1.68	-0.34	-0.50	-1.25	-0.20	-1.36	-0.20	-1.36	-0.02
		30	3.76	0.42	-1.32	-0.38	-0.52	0.87	-0.14	-1.29	-0.20	-1.23	0.27
30	37	31	79.73	123.81	2.41	18.81	107.41	41.50	0.15	-0.39	-0.19	-0.05	-0.26
		39	79.21	123.13	2.76	18.79	107.10	-40.89	0.29	-0.19	0.09	7.55e-03	0.23
		38	79.34	123.91	3.59	19.76	107.75	41.03	0.33	-0.15	0.11	0.07	-0.24
		30	79.47	124.17	3.59	19.66	108.09	-40.99	0.19	-0.35	-0.17	0.01	0.25
30	38	31	11.06	7.25	-3.70	6.83	-3.29	2.10	3.00	0.94	0.94	3.00	-0.03
		39	12.35	8.92	-3.53	8.71	-3.32	1.60	3.29	1.00	1.00	3.29	3.55e-03
		38	3.53	1.02	-0.95	-0.20	0.27	-0.96	-0.20	-1.36	-0.20	-1.36	-0.02
		30	3.19	0.64	-0.62	-0.24	0.26	0.57	-0.14	-1.29	-0.21	-1.23	0.27
30	39	31	0.20	-0.12	-0.33	-0.18	-0.27	0.10	3.16e-04	-5.43e-03	-2.55e-03	-2.57e-03	2.87e-03
		39	0.16	-0.18	-0.29	-0.21	-0.26	0.05	1.04e-03	-4.44e-03	-1.40e-03	-2.01e-03	-2.72e-03
		38	0.09	0.14	0.02	0.05	0.11	0.05	1.77e-03	-4.57e-03	-2.58e-03	-2.32e-04	2.95e-03
		30	0.20	0.24	-0.08	0.05	0.11	0.16	3.88e-03	-2.21e-03	7.81e-04	8.93e-04	-3.04e-03
30	40	31	0.21	-0.14	-0.34	-0.20	-0.28	0.09	7.49e-05	-5.77e-03	-3.01e-03	-2.69e-03	2.92e-03
		39	0.17	-0.20	-0.30	-0.22	-0.28	0.04	6.45e-04	-4.66e-03	-1.87e-03	-2.15e-03	-2.65e-03
		38	0.08	0.11	9.61e-03	0.03	0.09	0.04	1.54e-03	-5.00e-03	-3.07e-03	-3.83e-04	2.98e-03
		30	0.19	0.22	-0.09	0.04	0.10	0.16	3.56e-03	-2.52e-03	2.90e-04	7.47e-04	-3.03e-03
30	41	31	0.20	-0.12	-0.33	-0.18	-0.27	0.10	3.16e-04	-5.41e-03	-2.53e-03	-2.56e-03	2.86e-03
		39	0.16	-0.18	-0.29	-0.21	-0.26	0.05	1.06e-03	-4.45e-03	-1.39e-03	-2.00e-03	-2.74e-03
		38	0.09	0.14	0.02	0.05	0.11	0.05	1.77e-03	-4.55e-03	-2.55e-03	-2.28e-04	2.94e-03
		30	0.20	0.24	-0.08	0.05	0.11	0.16	3.90e-03	-2.19e-03	8.06e-04	9.07e-04	-3.04e-03
30	42	31	0.21	-0.14	-0.34	-0.20	-0.28	0.09	7.54e-05	-5.75e-03	-2.99e-03	-2.69e-03	2.91e-03
		39	0.17	-0.20	-0.30	-0.22	-0.28	0.04	6.71e-04	-4.67e-03	-1.85e-03	-2.14e-03	-2.66e-03
		38	0.08	0.11	9.49e-03	0.03	0.09	0.04	1.55e-03	-4.97e-03	-3.05e-03	-3.78e-04	2.97e-03
		30	0.19	0.22	-0.09	0.04	0.10	0.16	3.58e-03	-2.50e-03	3.15e-04	7.61e-04	-3.03e-03
30	43	31	0.20	-0.12	-0.33	-0.18	-0.27	0.10	3.90e-04	-5.36e-03	-2.42e-03	-2.54e-03	2.87e-03
		39	0.16	-0.18	-0.29	-0.21	-0.26	0.05	1.11e-03	-4.38e-03	-1.28e-03	-1.98e-03	-2.72e-03
		38	0.09	0.13	0.02	0.05	0.11	0.05	1.85e-03	-4.52e-03	-2.46e-03	-2.11e-04	2.98e-03
		30	0.20	0.24	-0.08	0.05	0.11	0.16	3.95e-03	-2.14e-03	8.97e-04	9.15e-04	-3.04e-03
30	44	31	0.21	-0.14	-0.35	-0.20	-0.28	0.10	4.58e-06	-5.85e-03	-3.13e-03	-2.72e-03	2.92e-03
		39	0.17	-0.20	-0.30	-0.22	-0.28	0.05	5.71e-04	-4.73e-03	-1.99e-03	-2.17e-03	-2.65e-03
		38	0.08	0.11	8.19e-03	0.03	0.09	0.04	1.46e-03	-5.05e-03	-3.18e-03	-4.04e-04	2.95e-03
		30	0.19	0.22	-0.09	0.04	0.09	0.16	3.50e-03	-2.60e-03	1.74e-04	7.24e-04	-3.03e-03
30	45	31	0.20	-0.12	-0.33	-0.18	-0.27	0.10	3.90e-04	-5.34e-03	-2.41e-03	-2.53e-03	2.86e-03
		39	0.16	-0.18	-0.29	-0.21	-0.26	0.05	1.14e-03	-4.39e-03	-1.27e-03	-1.98e-03	-2.74e-03
		38	0.09	0.13	0.02	0.05	0.11	0.05	1.85e-03	-4.50e-03	-2.44e-03	-2.07e-04	2.97e-03
		30	0.20	0.24	-0.08	0.05	0.11	0.16	3.97e-03	-2.12e-03	9.22e-04	9.30e-04	-3.04e-03
30	46	31	0.21	-0.14	-0.35	-0.20	-0.28	0.10	5.02e-06	-5.83e-03	-3.11e-03	-2.71e-03	2.91e-03
		39	0.17	-0.20	-0.30	-0.22	-0.28	0.05	5.97e-04	-4.73e-03	-1.97e-03	-2.17e-03	-2.66e-03
		38	0.08	0.11	8.07e-03	0.03	0.09	0.04	1.47e-03	-5.03e-03	-3.16e-03	-3.99e-04	2.94e-03
		30	0.19	0.22	-0.09	0.04	0.09	0.16	3.51e-03	-2.58e-03	1.99e-04	7.39e-04	-3.03e-03
30	47	31	0.20	-0.12	-0.33	-0.18	-0.27	0.10	3.07e-04	-5.42e-03	-2.54e-03	-2.57e-03	2.86e-03
		39	0.16	-0.18	-0.29	-0.21	-0.26	0.05	1.05e-03	-4.46e-03	-1.40e-03	-2.01e-03	-2.74e-03
		38	0.09	0.14	0.02	0.05	0.11	0.05	1.76e-03	-4.57e-03	-2.58e-03	-2.32e-04	2.94e-03
		30	0.20	0.24	-0.08	0.05	0.11	0.16	3.88e-03	-2.21e-03	7.82e-04	8.92e-04	-3.04e-03
30	48	31	0.21	-0.14	-0.34	-0.20	-0.28	0.09	6.58e-05	-5.76e-03	-3.00e-03	-2.69e-03	2.91e-03
		39	0.17	-0.20	-0.30	-0.22	-0.28	0.04	6.62e-04	-4.67e-03	-1.86e-03	-2.15e-03	-2.66e-03
		38	0.08	0.11	9.61e-03	0.03	0.09	0.04	1.54e-03	-4.99e-03	-3.07e-03	-3.83e-04	2.97e-03
		30	0.19	0.22	-0.09	0.04	0.10	0.16	3.56e-03	-2.52e-03	2.90e-04	7.47e-04	-3.03e-03
30	49	31	0.20	-0.12	-0.33	-0.18	-0.27	0.10	3.26e-04	-5.42e-03	-2.53e-03	-2.56e-03	2.87e-03
		39	0.16	-0.18	-0.29	-0.21	-0.26	0.05	1.05e-03	-4.44e-03	-1.39e-03	-2.00e-03	-2.72e-03
		38	0.09	0.14	0.02	0.05	0.11	0.05	1.78e-03	-4.56e-03	-2.55e-03	-2.28e-04	2.94e-03
		30	0.20	0.24	-0.08	0.05	0.11	0.16	3.90e-03	-2.19e-03	8.06e-04	9.07e-04	-3.04e-03
30	50	31	0.21	-0.14	-0.34	-0.20	-0.28	0.09	8.45e-05	-5.76e-03	-2.99e-03	-2.69e-03	2.92e-03
		39	0.17	-0.20	-0.30	-0.22	-0.28	0.04	6.55e-04	-4.65e-03	-1.85e-03	-2.14e-03	-2.65e-03
		38	0.08	0.11	9.49e-03	0.03	0.09	0.04	1.55e-03	-4.98e-03	-3.05e-03	-3.78e-04	2.98e-03
		30	0.19	0.22	-0.09	0.04	0.10	0.16	3.58e-03	-2.50e-03	3.14e-04	7.62e-04	-3.03e-03
30	51	31	0.20	-0.12	-0.33	-0.18	-0.27	0.10	3.80e-04	-5.35e-03	-2.42e-03	-2.54e-03	2.86e-03
		39	0.16	-0.18	-0.29	-0.21	-0.26	0.05	1.13e-03	-4.39e-03	-1.28e-03	-1.98e-03	-2.74e-03
		38	0.09	0.13	0.02	0.05	0.11	0.05	1.84e-03	-4.51e-03	-2.46e-03	-2.11e-04	2.97e-03
		30	0.20	0.24	-0.08	0.05	0.11	0.16	3.95e-03	-2.14e-03	8.97e-04	9.15e-04	-3.04e-03
30	52	31	0.21	-0.14	-0.35	-0.20	-0.28	0.10	-4.55e-06	-5.84e-03	-3.13e-03	-2.72e-03	2.91e-03
		39	0.17	-0.20	-0.30	-0.22	-0.28	0.05	5.88e-04	-4.74e-03	-1.98e-03	-2.17e-03	-2.66e-03
		38	0.08	0.11	8.18e-03	0.03	0.09	0.04	1.46e-03	-5.04e-03	-3.18e-03	-4.03e-04	2.94e-03
		30	0.19	0.22	-0.09	0.04	0.09	0.16	3.50e-03	-2.60e-03	1.75e-04	7.24e-04	-3.03e-03
30	53	31	0.20	-0.12	-0.33	-0.18	-0.27	0.10	3.99e-04	-5.35e-03	-2.41e-03	-2.53e-03	2.87e-03
		39	0.16	-0.18	-0.29	-0.21	-0.26	0.05	1.12e-03	-4.37e-03	-1.27e-03	-1.98e-03	-2.72e-03
		38	0.09	0.13	0.02	0.05	0.11	0.05	1.86e-03	-4.50e-03	-2.44e-03	-2.07e-04	2.98e-03
		30	0.20	0.24	-0.08	0.05	0.11	0.16	3.97e-03	-2.12e-03	9.21e-04	9.30e-04	-3.04e-03
30	54	31	0.21	-0.14	-0.35	-0.20	-0.28	0.10	1.41e-05	-5.84e-03	-3.11e-03	-2.71e-03	2.92e-03
		39	0.17	-0.20	-0.30	-0.22	-0.28	0.05	5.80e-04	-4.72e-03	-1.97e-03	-2.17e-03	-2.65e-03

		38	0.08	0.11	8.07e-03	0.03	0.09	0.04	1.47e-03	-5.03e-03	-3.16e-03	-3.99e-04	2.94e-03
		30	0.19	0.22	-0.09	0.04	0.09	0.16	3.51e-03	-2.58e-03	1.99e-04	7.39e-04	-3.03e-03
30	55	31	0.20	-0.10	-0.32	-0.17	-0.25	0.10	6.10e-04	-5.03e-03	-2.00e-03	-2.42e-03	2.81e-03
		39	0.16	-0.16	-0.27	-0.19	-0.24	0.05	1.51e-03	-4.21e-03	-8.53e-04	-1.84e-03	-2.82e-03
		38	0.10	0.16	0.04	0.07	0.13	0.05	2.04e-03	-4.08e-03	-1.99e-03	-5.47e-05	2.90e-03
		30	0.21	0.26	-0.07	0.07	0.13	0.16	4.27e-03	-1.84e-03	1.36e-03	1.07e-03	-3.05e-03
30	56	31	0.21	-0.15	-0.35	-0.21	-0.30	0.09	-1.94e-04	-6.18e-03	-3.54e-03	-2.84e-03	2.97e-03
		39	0.19	-0.22	-0.32	-0.24	-0.30	0.04	2.10e-04	-4.92e-03	-2.40e-03	-2.31e-03	-2.57e-03
		38	0.07	0.08	-6.63e-03	0.01	0.06	0.04	1.29e-03	-5.49e-03	-3.64e-03	-5.57e-04	3.02e-03
		30	0.19	0.20	-0.10	0.02	0.08	0.15	3.21e-03	-2.90e-03	-2.75e-04	5.83e-04	-3.02e-03
30	57	31	0.20	-0.10	-0.32	-0.17	-0.25	0.10	6.10e-04	-5.03e-03	-2.00e-03	-2.42e-03	2.81e-03
		39	0.16	-0.16	-0.27	-0.19	-0.24	0.05	1.52e-03	-4.21e-03	-8.49e-04	-1.84e-03	-2.82e-03
		38	0.10	0.16	0.04	0.07	0.13	0.05	2.04e-03	-4.07e-03	-1.99e-03	-5.33e-05	2.90e-03
		30	0.21	0.26	-0.07	0.07	0.13	0.16	4.28e-03	-1.84e-03	1.37e-03	1.07e-03	-3.05e-03
30	58	31	0.21	-0.15	-0.35	-0.21	-0.30	0.09	-1.94e-04	-6.17e-03	-3.53e-03	-2.83e-03	2.97e-03
		39	0.19	-0.22	-0.32	-0.24	-0.30	0.04	2.17e-04	-4.93e-03	-2.40e-03	-2.31e-03	-2.57e-03
		38	0.07	0.08	-6.67e-03	0.01	0.06	0.04	1.29e-03	-5.48e-03	-3.63e-03	-5.56e-04	3.02e-03
		30	0.19	0.20	-0.10	0.02	0.08	0.15	3.21e-03	-2.89e-03	-2.68e-04	5.87e-04	-3.02e-03
30	59	31	0.20	-0.10	-0.32	-0.17	-0.25	0.10	6.07e-04	-5.03e-03	-2.00e-03	-2.42e-03	2.81e-03
		39	0.16	-0.16	-0.27	-0.19	-0.24	0.05	1.52e-03	-4.21e-03	-8.53e-04	-1.84e-03	-2.82e-03
		38	0.10	0.16	0.04	0.07	0.13	0.05	2.03e-03	-4.08e-03	-1.99e-03	-5.47e-05	2.90e-03
		30	0.21	0.26	-0.07	0.07	0.13	0.16	4.27e-03	-1.84e-03	1.36e-03	1.07e-03	-3.05e-03
30	60	31	0.21	-0.15	-0.35	-0.21	-0.30	0.09	-1.97e-04	-6.18e-03	-3.54e-03	-2.84e-03	2.97e-03
		39	0.19	-0.22	-0.32	-0.24	-0.30	0.04	2.15e-04	-4.93e-03	-2.40e-03	-2.31e-03	-2.57e-03
		38	0.07	0.08	-6.63e-03	0.01	0.06	0.04	1.29e-03	-5.48e-03	-3.64e-03	-5.57e-04	3.02e-03
		30	0.19	0.20	-0.10	0.02	0.08	0.15	3.21e-03	-2.90e-03	-2.75e-04	5.83e-04	-3.02e-03
30	61	31	0.20	-0.10	-0.32	-0.17	-0.25	0.10	6.13e-04	-5.03e-03	-2.00e-03	-2.42e-03	2.81e-03
		39	0.16	-0.16	-0.27	-0.19	-0.24	0.05	1.52e-03	-4.20e-03	-8.49e-04	-1.84e-03	-2.82e-03
		38	0.10	0.16	0.04	0.07	0.13	0.05	2.04e-03	-4.08e-03	-1.99e-03	-5.34e-05	2.90e-03
		30	0.21	0.26	-0.07	0.07	0.13	0.16	4.28e-03	-1.84e-03	1.37e-03	1.07e-03	-3.05e-03
30	62	31	0.21	-0.15	-0.35	-0.21	-0.30	0.09	-1.92e-04	-6.18e-03	-3.53e-03	-2.83e-03	2.97e-03
		39	0.19	-0.22	-0.32	-0.24	-0.30	0.04	2.12e-04	-4.92e-03	-2.40e-03	-2.31e-03	-2.57e-03
		38	0.07	0.08	-6.67e-03	0.01	0.06	0.04	1.29e-03	-5.48e-03	-3.63e-03	-5.56e-04	3.02e-03
		30	0.19	0.20	-0.10	0.02	0.08	0.15	3.21e-03	-2.89e-03	-2.68e-04	5.87e-04	-3.02e-03
30	63	31	0.19	-0.10	-0.32	-0.17	-0.25	0.10	8.69e-04	-4.80e-03	-1.60e-03	-2.33e-03	2.81e-03
		39	0.15	-0.16	-0.27	-0.19	-0.24	0.05	1.79e-03	-4.00e-03	-4.54e-04	-1.76e-03	-2.82e-03
		38	0.10	0.16	0.04	0.07	0.13	0.05	2.33e-03	-3.92e-03	-1.61e-03	1.45e-05	3.02e-03
		30	0.21	0.26	-0.06	0.07	0.13	0.16	4.51e-03	-1.62e-03	1.75e-03	1.14e-03	-3.05e-03
30	64	31	0.22	-0.15	-0.36	-0.21	-0.30	0.09	-4.16e-04	-6.45e-03	-3.94e-03	-2.93e-03	2.97e-03
		39	0.19	-0.22	-0.32	-0.24	-0.30	0.04	-2.31e-05	-5.17e-03	-2.80e-03	-2.39e-03	-2.56e-03
		38	0.07	0.09	-0.01	0.01	0.06	0.04	1.04e-03	-5.68e-03	-4.02e-03	-6.26e-04	2.90e-03
		30	0.19	0.20	-0.11	0.02	0.07	0.15	3.00e-03	-3.16e-03	-6.60e-04	5.07e-04	-3.02e-03
30	65	31	0.19	-0.10	-0.32	-0.17	-0.25	0.10	8.70e-04	-4.80e-03	-1.60e-03	-2.33e-03	2.81e-03
		39	0.15	-0.16	-0.27	-0.19	-0.24	0.05	1.79e-03	-4.01e-03	-4.49e-04	-1.76e-03	-2.82e-03
		38	0.10	0.16	0.04	0.07	0.13	0.05	2.33e-03	-3.92e-03	-1.60e-03	1.59e-05	3.02e-03
		30	0.21	0.26	-0.06	0.07	0.13	0.16	4.52e-03	-1.62e-03	1.76e-03	1.15e-03	-3.05e-03
30	66	31	0.22	-0.15	-0.36	-0.21	-0.30	0.09	-4.16e-04	-6.44e-03	-3.94e-03	-2.92e-03	2.97e-03
		39	0.19	-0.22	-0.32	-0.24	-0.30	0.04	-1.54e-05	-5.17e-03	-2.80e-03	-2.39e-03	-2.57e-03
		38	0.07	0.09	-0.01	0.01	0.06	0.04	1.04e-03	-5.68e-03	-4.01e-03	-6.25e-04	2.90e-03
		30	0.19	0.20	-0.11	0.02	0.07	0.15	3.01e-03	-3.15e-03	-6.53e-04	5.11e-04	-3.02e-03
30	67	31	0.19	-0.10	-0.32	-0.17	-0.25	0.10	8.67e-04	-4.80e-03	-1.60e-03	-2.33e-03	2.81e-03
		39	0.15	-0.16	-0.27	-0.19	-0.24	0.05	1.79e-03	-4.01e-03	-4.54e-04	-1.76e-03	-2.82e-03
		38	0.10	0.16	0.04	0.07	0.13	0.05	2.33e-03	-3.92e-03	-1.61e-03	1.46e-05	3.02e-03
		30	0.21	0.26	-0.06	0.07	0.13	0.16	4.51e-03	-1.62e-03	1.75e-03	1.14e-03	-3.05e-03
30	68	31	0.22	-0.15	-0.36	-0.21	-0.30	0.09	-4.19e-04	-6.45e-03	-3.94e-03	-2.93e-03	2.97e-03
		39	0.19	-0.22	-0.32	-0.24	-0.30	0.04	-1.80e-05	-5.17e-03	-2.80e-03	-2.39e-03	-2.57e-03
		38	0.07	0.09	-0.01	0.01	0.06	0.04	1.04e-03	-5.68e-03	-4.02e-03	-6.26e-04	2.90e-03
		30	0.19	0.20	-0.11	0.02	0.07	0.15	3.00e-03	-3.16e-03	-6.60e-04	5.07e-04	-3.02e-03
30	69	31	0.19	-0.10	-0.32	-0.17	-0.25	0.10	8.72e-04	-4.80e-03	-1.60e-03	-2.33e-03	2.81e-03
		39	0.15	-0.16	-0.27	-0.19	-0.24	0.05	1.79e-03	-4.00e-03	-4.50e-04	-1.76e-03	-2.82e-03
		38	0.10	0.16	0.04	0.07	0.13	0.05	2.33e-03	-3.92e-03	-1.60e-03	1.59e-05	3.02e-03
		30	0.21	0.26	-0.06	0.07	0.13	0.16	4.52e-03	-1.62e-03	1.76e-03	1.15e-03	-3.05e-03
30	70	31	0.22	-0.15	-0.36	-0.21	-0.30	0.09	-4.13e-04	-6.45e-03	-3.94e-03	-2.92e-03	2.97e-03
		39	0.19	-0.22	-0.32	-0.24	-0.30	0.04	-2.05e-05	-5.17e-03	-2.80e-03	-2.39e-03	-2.56e-03
		38	0.07	0.09	-0.01	0.01	0.06	0.04	1.04e-03	-5.68e-03	-4.01e-03	-6.25e-04	2.90e-03
		30	0.19	0.20	-0.11	0.02	0.07	0.15	3.01e-03	-3.15e-03	-6.53e-04	5.11e-04	-3.02e-03
30	71	31	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		39	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
30	72	31	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		39	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
30	73	31	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		39	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03

		30	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
30	74	31	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		39	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
30	75	31	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		39	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
30	76	31	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		39	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		38	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		30	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
31	1	32	0.22	-0.27	-0.38	-0.28	-0.37	-0.03	7.82e-03	-0.01	-3.14e-03	5.04e-04	8.96e-03
		40	0.23	-0.31	-0.38	-0.32	-0.36	0.03	6.94e-03	-0.01	-4.83e-03	5.81e-04	-8.65e-03
		39	0.15	-0.16	-0.22	-0.21	-0.17	0.02	3.64e-03	-0.01	-7.21e-03	-3.59e-03	8.85e-03
		31	0.24	-9.81e-03	-0.33	-0.17	-0.17	0.16	6.48e-03	-0.01	-2.31e-03	-2.16e-03	-8.71e-03
31	2	32	0.22	-0.27	-0.38	-0.28	-0.37	-0.03	7.82e-03	-0.01	-3.14e-03	5.04e-04	8.96e-03
		40	0.23	-0.31	-0.38	-0.32	-0.36	0.03	6.94e-03	-0.01	-4.83e-03	5.81e-04	-8.65e-03
		39	0.15	-0.16	-0.22	-0.21	-0.17	0.02	3.64e-03	-0.01	-7.21e-03	-3.59e-03	8.85e-03
		31	0.24	-9.81e-03	-0.33	-0.17	-0.17	0.16	6.48e-03	-0.01	-2.31e-03	-2.16e-03	-8.71e-03
31	3	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		39	0.12	-0.12	-0.17	-0.16	-0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		31	0.19	-7.55e-03	-0.25	-0.13	-0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
31	4	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		39	0.12	-0.12	-0.17	-0.16	-0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		31	0.19	-7.55e-03	-0.25	-0.13	-0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
31	5	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		39	0.12	-0.12	-0.17	-0.16	-0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		31	0.19	-7.55e-03	-0.25	-0.13	-0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
31	6	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		39	0.12	-0.12	-0.17	-0.16	-0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		31	0.19	-7.55e-03	-0.25	-0.13	-0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
31	7	32	20.52	31.78	0.41	4.61	27.58	10.68	0.02	-0.10	-0.06	-0.02	-0.06
		40	20.44	31.64	0.42	4.55	27.51	-10.59	0.06	-0.05	0.01	-5.67e-03	0.05
		39	20.54	31.92	0.62	4.81	27.72	10.66	0.06	-0.05	0.02	2.94e-04	-0.05
		31	20.45	31.88	0.77	4.84	27.81	-10.49	0.03	-0.09	-0.05	-0.01	0.06
31	8	32	8.01	-5.97	-10.12	-7.32	-8.77	-1.94	-0.36	-1.26	-0.36	-1.26	7.62e-03
		40	8.45	-6.04	-11.04	-8.49	-8.59	2.50	-0.44	-1.38	-0.45	-1.38	-0.06
		39	7.50	3.21	-6.46	2.63	-5.88	-2.30	1.04	0.25	0.26	1.04	0.04
		31	8.48	4.01	-7.65	2.11	-5.76	4.30	0.98	0.21	0.24	0.95	-0.14
31	9	32	22.42	34.73	0.47	5.05	30.15	11.66	0.02	-0.11	-0.06	-0.02	-0.06
		40	22.34	34.59	0.47	5.00	30.07	-11.57	0.06	-0.06	0.02	-6.21e-03	0.06
		39	22.44	34.87	0.69	5.27	30.29	11.64	0.07	-0.05	0.02	6.09e-04	-0.06
		31	22.35	34.84	0.84	5.30	30.39	-11.47	0.03	-0.10	-0.06	-0.01	0.06
31	10	32	6.53	-5.53	-7.55	-6.87	-6.21	-0.96	-0.37	-1.26	-0.37	-1.26	1.76e-03
		40	7.04	-5.21	-8.87	-8.05	-6.03	1.52	-0.44	-1.38	-0.45	-1.38	-0.06
		39	5.76	3.35	-3.57	3.09	-3.31	-1.32	1.04	0.26	0.26	1.04	0.04
		31	6.65	4.09	-4.70	2.57	-3.18	3.32	0.98	0.20	0.23	0.95	-0.14
31	11	32	20.51	31.78	0.42	4.61	27.58	10.67	0.02	-0.10	-0.06	-0.02	-0.06
		40	20.44	31.65	0.41	4.55	27.51	-10.59	0.06	-0.05	0.01	-5.69e-03	0.05
		39	20.54	31.91	0.62	4.81	27.72	10.65	0.06	-0.05	0.02	8.24e-04	-0.05
		31	20.46	31.89	0.77	4.84	27.81	-10.50	0.03	-0.09	-0.05	-0.01	0.06
31	12	32	8.01	-5.98	-10.12	-7.32	-8.78	-1.94	-0.36	-1.26	-0.36	-1.26	7.61e-03
		40	8.45	-6.03	-11.05	-8.49	-8.59	2.51	-0.44	-1.38	-0.45	-1.38	-0.06
		39	7.49	3.21	-6.46	2.63	-5.88	-2.29	1.04	0.25	0.26	1.04	0.04
		31	8.49	4.01	-7.66	2.11	-5.76	4.31	0.98	0.21	0.24	0.95	-0.14
31	13	32	22.41	34.73	0.47	5.05	30.15	11.66	0.02	-0.11	-0.06	-0.02	-0.06
		40	22.34	34.59	0.47	5.00	30.07	-11.57	0.06	-0.06	0.02	-6.23e-03	0.06
		39	22.43	34.86	0.70	5.27	30.29	11.63	0.07	-0.05	0.02	1.14e-03	-0.06
		31	22.36	34.84	0.84	5.30	30.39	-11.48	0.03	-0.10	-0.06	-0.01	0.06
31	14	32	6.53	-5.53	-7.55	-6.87	-6.21	-0.95	-0.37	-1.26	-0.37	-1.26	1.75e-03
		40	7.04	-5.21	-8.87	-8.05	-6.03	1.53	-0.44	-1.38	-0.45	-1.38	-0.06
		39	5.76	3.34	-3.57	3.08	-3.31	-1.31	1.04	0.26	0.26	1.04	0.04
		31	6.65	4.09	-4.71	2.57	-3.18	3.33	0.98	0.20	0.23	0.95	-0.14
31	15	32	20.52	31.78	0.41	4.61	27.58	10.68	0.02	-0.10	-0.06	-0.02	-0.06
		40	20.44	31.64	0.42	4.55	27.51	-10.59	0.06	-0.05	0.01	-5.67e-03	0.05
		39	20.54	31.92	0.62	4.81	27.72	10.66	0.06	-0.05	0.02	2.94e-04	-0.05
		31	20.45	31.88	0.77	4.84	27.81	-10.49	0.03	-0.09	-0.05	-0.01	0.06
31	16	32	8.01	-5.97	-10.12	-7.32	-8.77	-1.94	-0.36	-1.26	-0.36	-1.26	7.66e-03
		40	8.45	-6.04	-11.04	-8.49	-8.59	2.50	-0.44	-1.38	-0.45	-1.38	-0.06
		39	7.50	3.21	-6.46	2.63	-5.88	-2.30	1.04	0.25	0.26	1.04	0.04
		31	8.48	4.01	-7.65	2.11	-5.76	4.30	0.98	0.21	0.24	0.95	-0.14

31	17	32	22.42	34.73	0.47	5.05	30.15	11.66	0.02	-0.11	-0.06	-0.02	-0.06
		40	22.34	34.59	0.47	5.00	30.07	-11.57	0.06	-0.06	0.02	-6.21e-03	0.06
		39	22.44	34.87	0.69	5.27	30.29	11.64	0.07	-0.05	0.02	6.09e-04	-0.06
		31	22.35	34.84	0.84	5.30	30.39	-11.47	0.03	-0.10	-0.06	-0.01	0.06
31	18	32	6.53	-5.53	-7.55	-6.87	-6.21	-0.96	-0.37	-1.26	-0.37	-1.26	1.72e-03
		40	7.04	-5.21	-8.87	-8.05	-6.03	1.52	-0.44	-1.38	-0.45	-1.38	-0.06
		39	5.76	3.35	-3.57	3.09	-3.31	-1.32	1.04	0.26	0.26	1.04	0.04
		31	6.65	4.08	-4.70	2.57	-3.18	3.32	0.98	0.20	0.23	0.95	-0.14
31	19	32	20.51	31.78	0.42	4.61	27.58	10.67	0.02	-0.10	-0.06	-0.02	-0.06
		40	20.44	31.65	0.41	4.55	27.51	-10.59	0.06	-0.05	0.01	-5.69e-03	0.05
		39	20.54	31.91	0.62	4.81	27.72	10.65	0.06	-0.05	0.02	8.25e-04	-0.05
		31	20.46	31.89	0.77	4.84	27.81	-10.50	0.03	-0.09	-0.05	-0.01	0.06
31	20	32	8.01	-5.98	-10.12	-7.32	-8.78	-1.94	-0.36	-1.26	-0.36	-1.26	7.65e-03
		40	8.45	-6.03	-11.05	-8.49	-8.59	2.51	-0.44	-1.38	-0.45	-1.38	-0.06
		39	7.49	3.21	-6.46	2.63	-5.88	-2.29	1.04	0.25	0.26	1.04	0.04
		31	8.49	4.01	-7.66	2.11	-5.76	4.31	0.98	0.21	0.24	0.95	-0.14
31	21	32	22.41	34.73	0.47	5.05	30.15	11.66	0.02	-0.11	-0.06	-0.02	-0.06
		40	22.34	34.59	0.47	5.00	30.07	-11.57	0.06	-0.06	0.02	-6.23e-03	0.06
		39	22.43	34.86	0.70	5.27	30.29	11.63	0.07	-0.05	0.02	1.14e-03	-0.06
		31	22.36	34.85	0.84	5.30	30.39	-11.48	0.03	-0.10	-0.06	-0.01	0.06
31	22	32	6.53	-5.53	-7.55	-6.87	-6.21	-0.95	-0.37	-1.26	-0.37	-1.26	1.71e-03
		40	7.04	-5.21	-8.87	-8.05	-6.03	1.53	-0.44	-1.38	-0.45	-1.38	-0.06
		39	5.76	3.34	-3.57	3.09	-3.31	-1.31	1.04	0.26	0.26	1.04	0.04
		31	6.65	4.09	-4.71	2.57	-3.18	3.33	0.98	0.20	0.23	0.95	-0.14
31	23	32	78.82	122.29	2.16	18.22	106.23	40.88	0.10	-0.39	-0.21	-0.08	-0.24
		40	78.51	121.78	2.25	18.10	105.93	-40.54	0.25	-0.21	0.06	-0.02	0.22
		39	78.64	122.34	2.83	18.83	106.34	40.70	0.27	-0.18	0.08	9.07e-03	-0.22
		31	78.58	122.47	3.07	18.86	106.68	-40.45	0.12	-0.37	-0.20	-0.05	0.23
31	24	32	18.82	-14.74	-21.75	-21.54	-14.95	-1.20	-1.23	-4.20	-1.24	-4.20	-0.02
		40	20.62	-13.58	-26.20	-25.38	-14.39	3.09	-1.47	-4.61	-1.48	-4.60	-0.16
		39	15.95	11.91	-6.01	11.56	-5.66	-2.50	3.47	0.87	0.88	3.47	0.10
		31	18.31	13.87	-9.31	9.77	-5.22	8.84	3.25	0.69	0.76	3.18	-0.44
31	25	32	79.39	123.17	2.18	18.35	107.00	41.17	0.10	-0.39	-0.21	-0.08	-0.24
		40	79.08	122.66	2.27	18.23	106.69	-40.83	0.25	-0.21	0.06	-0.02	0.22
		39	79.21	123.23	2.85	18.97	107.11	40.99	0.27	-0.19	0.08	9.16e-03	-0.23
		31	79.15	123.36	3.09	19.00	107.45	-40.75	0.12	-0.37	-0.20	-0.05	0.24
31	26	32	18.46	-14.07	-21.52	-21.41	-14.18	-0.90	-1.24	-4.21	-1.24	-4.21	-0.02
		40	20.28	-12.98	-25.89	-25.25	-13.62	2.80	-1.47	-4.61	-1.48	-4.60	-0.16
		39	15.48	11.98	-5.18	11.70	-4.89	-2.20	3.47	0.87	0.88	3.47	0.10
		31	17.78	13.89	-8.43	9.91	-4.45	8.55	3.25	0.69	0.76	3.18	-0.43
31	27	32	78.82	122.29	2.16	18.22	106.23	40.88	0.10	-0.39	-0.21	-0.08	-0.24
		40	78.51	121.78	2.25	18.10	105.93	-40.54	0.25	-0.21	0.06	-0.02	0.22
		39	78.64	122.34	2.83	18.83	106.34	40.70	0.27	-0.18	0.08	9.07e-03	-0.22
		31	78.58	122.47	3.07	18.86	106.68	-40.45	0.12	-0.37	-0.20	-0.05	0.23
31	28	32	18.82	-14.74	-21.75	-21.54	-14.95	-1.20	-1.23	-4.20	-1.24	-4.20	-0.02
		40	20.62	-13.58	-26.20	-25.38	-14.39	3.09	-1.47	-4.61	-1.48	-4.60	-0.16
		39	15.95	11.91	-6.01	11.56	-5.66	-2.50	3.47	0.87	0.88	3.47	0.10
		31	18.31	13.87	-9.31	9.77	-5.22	8.84	3.25	0.69	0.76	3.18	-0.44
31	29	32	79.39	123.17	2.18	18.35	107.00	41.17	0.10	-0.39	-0.21	-0.08	-0.24
		40	79.08	122.66	2.27	18.23	106.69	-40.83	0.25	-0.21	0.06	-0.02	0.22
		39	79.21	123.23	2.85	18.97	107.11	40.99	0.27	-0.19	0.08	9.16e-03	-0.23
		31	79.15	123.36	3.09	19.00	107.45	-40.75	0.12	-0.37	-0.20	-0.05	0.24
31	30	32	18.46	-14.07	-21.52	-21.41	-14.18	-0.90	-1.24	-4.21	-1.24	-4.21	-0.02
		40	20.28	-12.98	-25.89	-25.25	-13.62	2.80	-1.47	-4.61	-1.48	-4.60	-0.16
		39	15.48	11.98	-5.18	11.70	-4.89	-2.20	3.47	0.87	0.88	3.47	0.10
		31	17.78	13.89	-8.43	9.91	-4.45	8.55	3.25	0.69	0.76	3.18	-0.43
31	31	32	78.80	122.28	2.18	18.22	106.24	40.85	0.10	-0.39	-0.21	-0.08	-0.24
		40	78.52	121.79	2.23	18.10	105.93	-40.56	0.25	-0.21	0.06	-0.02	0.22
		39	78.62	122.33	2.85	18.83	106.34	40.68	0.27	-0.18	0.08	0.01	-0.22
		31	78.60	122.49	3.06	18.87	106.68	-40.48	0.13	-0.37	-0.20	-0.04	0.23
31	32	32	18.82	-14.76	-21.75	-21.54	-14.96	-1.17	-1.24	-4.20	-1.24	-4.20	-0.02
		40	20.63	-13.57	-26.21	-25.38	-14.39	3.12	-1.47	-4.61	-1.48	-4.60	-0.16
		39	15.94	11.91	-6.01	11.56	-5.66	-2.47	3.47	0.87	0.88	3.46	0.10
		31	18.32	13.88	-9.34	9.77	-5.22	8.86	3.25	0.69	0.76	3.18	-0.44
31	33	32	79.38	123.17	2.19	18.35	107.01	41.15	0.10	-0.39	-0.21	-0.08	-0.24
		40	79.09	122.68	2.25	18.23	106.69	-40.86	0.25	-0.21	0.06	-0.02	0.22
		39	79.19	123.21	2.87	18.97	107.11	40.97	0.27	-0.18	0.08	0.01	-0.23
		31	79.17	123.38	3.08	19.00	107.46	-40.77	0.13	-0.37	-0.20	-0.04	0.24
31	34	32	18.47	-14.08	-21.51	-21.41	-14.19	-0.88	-1.24	-4.21	-1.24	-4.21	-0.02
		40	20.29	-12.97	-25.90	-25.25	-13.62	2.82	-1.47	-4.61	-1.48	-4.60	-0.16
		39	15.47	11.98	-5.17	11.69	-4.89	-2.18	3.47	0.87	0.88	3.46	0.10
		31	17.79	13.91	-8.45	9.90	-4.45	8.57	3.25	0.69	0.76	3.18	-0.43
31	35	32	78.80	122.28	2.18	18.22	106.24	40.85	0.10	-0.39	-0.21	-0.08	-0.24
		40	78.52	121.79	2.23	18.10	105.93	-40.56	0.25	-0.21	0.06	-0.02	0.22
		39	78.62	122.33	2.85	18.83	106.34	40.68	0.27	-0.18	0.08	0.01	-0.22
		31	78.60	122.49	3.06	18.87	106.68	-40.48	0.13	-0.37	-0.20	-0.04	0.23
31	36	32	18.82	-14.76	-21.75	-21.54	-14.96	-1.17	-1.24	-4.20	-1.24	-4.20	-0.02

		40	20.63	-13.57	-26.21	-25.38	-14.39	3.12	-1.47	-4.61	-1.48	-4.60	-0.16
		39	15.94	11.91	-6.01	11.56	-5.66	-2.47	3.47	0.87	0.88	3.46	0.10
		31	18.32	13.88	-9.34	9.77	-5.22	8.86	3.25	0.69	0.76	3.18	-0.44
31	37	32	79.38	123.17	2.19	18.35	107.01	41.15	0.10	-0.39	-0.21	-0.08	-0.24
		40	79.09	122.68	2.25	18.23	106.69	-40.86	0.25	-0.21	0.06	-0.02	0.22
		39	79.19	123.21	2.87	18.97	107.11	40.97	0.27	-0.18	0.08	0.01	-0.23
		31	79.17	123.38	3.08	19.00	107.46	-40.77	0.13	-0.37	-0.20	-0.04	0.24
31	38	32	18.47	-14.08	-21.51	-21.41	-14.19	-0.88	-1.24	-4.21	-1.24	-4.21	-0.02
		40	20.29	-12.97	-25.90	-25.25	-13.62	2.82	-1.47	-4.61	-1.48	-4.60	-0.16
		39	15.47	11.98	-5.17	11.69	-4.89	-2.18	3.47	0.87	0.88	3.46	0.10
		31	17.79	13.91	-8.45	9.90	-4.45	8.57	3.25	0.69	0.76	3.18	-0.43
31	39	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.94e-03	-8.00e-03	-2.34e-03	2.76e-04	6.85e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	0.03	5.34e-03	-8.61e-03	-3.63e-03	3.58e-04	-6.68e-03
		39	0.12	-0.12	-0.16	-0.15	-0.13	0.02	2.78e-03	-0.01	-5.42e-03	-2.86e-03	6.80e-03
		31	0.19	2.10e-03	-0.26	-0.13	-0.13	0.13	5.01e-03	-8.44e-03	-1.65e-03	-1.79e-03	-6.72e-03
31	40	32	0.18	-0.20	-0.30	-0.21	-0.29	-0.03	6.06e-03	-8.09e-03	-2.50e-03	4.74e-04	6.92e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.32e-03	-8.58e-03	-3.80e-03	5.36e-04	-6.61e-03
		39	0.12	-0.13	-0.17	-0.16	-0.14	9.92e-03	2.82e-03	-0.01	-5.69e-03	-2.67e-03	6.83e-03
		31	0.18	-0.02	-0.25	-0.14	-0.13	0.12	4.93e-03	-8.42e-03	-1.92e-03	-1.57e-03	-6.67e-03
31	41	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.97e-03	-8.00e-03	-2.33e-03	3.01e-04	6.86e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	0.03	5.35e-03	-8.62e-03	-3.63e-03	3.58e-04	-6.70e-03
		39	0.12	-0.12	-0.16	-0.15	-0.13	0.02	2.78e-03	-0.01	-5.40e-03	-2.86e-03	6.79e-03
		31	0.19	2.12e-03	-0.26	-0.13	-0.13	0.13	5.04e-03	-8.43e-03	-1.63e-03	-1.76e-03	-6.73e-03
31	42	32	0.18	-0.20	-0.30	-0.21	-0.29	-0.03	6.09e-03	-8.09e-03	-2.50e-03	4.99e-04	6.93e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.79e-03	5.37e-04	-6.62e-03
		39	0.12	-0.13	-0.17	-0.16	-0.14	9.98e-03	2.82e-03	-0.01	-5.67e-03	-2.67e-03	6.82e-03
		31	0.18	-0.02	-0.25	-0.14	-0.13	0.12	4.96e-03	-8.40e-03	-1.90e-03	-1.54e-03	-6.68e-03
31	43	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.97e-03	-7.97e-03	-2.28e-03	2.78e-04	6.85e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	0.03	5.35e-03	-8.58e-03	-3.57e-03	3.51e-04	-6.68e-03
		39	0.11	-0.12	-0.16	-0.15	-0.13	0.02	2.91e-03	-0.01	-5.38e-03	-2.67e-03	6.80e-03
		31	0.19	1.58e-04	-0.25	-0.12	-0.13	0.13	5.13e-03	-8.31e-03	-1.61e-03	-1.57e-03	-6.72e-03
31	44	32	0.18	-0.21	-0.29	-0.21	-0.29	-0.02	6.04e-03	-8.12e-03	-2.56e-03	4.73e-04	6.92e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.31e-03	-8.62e-03	-3.85e-03	5.43e-04	-6.61e-03
		39	0.12	-0.13	-0.17	-0.16	-0.14	0.01	2.68e-03	-0.01	-5.73e-03	-2.87e-03	6.83e-03
		31	0.18	-0.02	-0.26	-0.14	-0.14	0.12	4.81e-03	-8.55e-03	-1.96e-03	-1.78e-03	-6.68e-03
31	45	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.00e-03	-7.97e-03	-2.27e-03	3.02e-04	6.86e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	0.03	5.37e-03	-8.59e-03	-3.57e-03	3.52e-04	-6.70e-03
		39	0.11	-0.12	-0.16	-0.15	-0.13	0.02	2.92e-03	-0.01	-5.36e-03	-2.66e-03	6.79e-03
		31	0.19	1.80e-04	-0.25	-0.12	-0.13	0.13	5.16e-03	-8.30e-03	-1.59e-03	-1.54e-03	-6.73e-03
31	46	32	0.18	-0.21	-0.29	-0.21	-0.29	-0.02	6.07e-03	-8.12e-03	-2.55e-03	4.98e-04	6.93e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.32e-03	-8.63e-03	-3.85e-03	5.43e-04	-6.62e-03
		39	0.12	-0.13	-0.17	-0.16	-0.14	0.01	2.68e-03	-0.01	-5.71e-03	-2.86e-03	6.82e-03
		31	0.18	-0.02	-0.26	-0.14	-0.14	0.12	4.84e-03	-8.53e-03	-1.94e-03	-1.76e-03	-6.69e-03
31	47	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.95e-03	-8.01e-03	-2.34e-03	2.77e-04	6.86e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	0.03	5.35e-03	-8.63e-03	-3.63e-03	3.58e-04	-6.70e-03
		39	0.12	-0.12	-0.16	-0.15	-0.13	0.02	2.77e-03	-0.01	-5.42e-03	-2.86e-03	6.79e-03
		31	0.19	2.14e-03	-0.26	-0.13	-0.13	0.13	5.01e-03	-8.45e-03	-1.65e-03	-1.79e-03	-6.73e-03
31	48	32	0.18	-0.20	-0.30	-0.21	-0.29	-0.03	6.08e-03	-8.10e-03	-2.50e-03	4.75e-04	6.93e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.80e-03	5.36e-04	-6.62e-03
		39	0.12	-0.13	-0.17	-0.16	-0.14	9.96e-03	2.81e-03	-0.01	-5.68e-03	-2.67e-03	6.82e-03
		31	0.18	-0.02	-0.25	-0.14	-0.13	0.12	4.94e-03	-8.43e-03	-1.92e-03	-1.57e-03	-6.68e-03
31	49	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.96e-03	-7.99e-03	-2.33e-03	3.01e-04	6.85e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	0.03	5.34e-03	-8.61e-03	-3.63e-03	3.58e-04	-6.68e-03
		39	0.12	-0.12	-0.16	-0.15	-0.13	0.02	2.78e-03	-0.01	-5.40e-03	-2.86e-03	6.80e-03
		31	0.19	2.09e-03	-0.26	-0.13	-0.13	0.13	5.03e-03	-8.42e-03	-1.63e-03	-1.76e-03	-6.72e-03
31	50	32	0.18	-0.20	-0.30	-0.21	-0.29	-0.03	6.08e-03	-8.08e-03	-2.50e-03	4.99e-04	6.92e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.33e-03	-8.58e-03	-3.79e-03	5.37e-04	-6.61e-03
		39	0.12	-0.13	-0.17	-0.16	-0.14	9.94e-03	2.82e-03	-0.01	-5.67e-03	-2.67e-03	6.83e-03
		31	0.18	-0.02	-0.25	-0.14	-0.13	0.12	4.95e-03	-8.40e-03	-1.90e-03	-1.54e-03	-6.67e-03
31	51	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.98e-03	-7.98e-03	-2.28e-03	2.78e-04	6.86e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	0.03	5.37e-03	-8.59e-03	-3.57e-03	3.51e-04	-6.70e-03
		39	0.11	-0.12	-0.16	-0.15	-0.13	0.02	2.91e-03	-0.01	-5.38e-03	-2.67e-03	6.79e-03
		31	0.19	1.95e-04	-0.25	-0.12	-0.13	0.13	5.14e-03	-8.32e-03	-1.61e-03	-1.57e-03	-6.73e-03
31	52	32	0.18	-0.21	-0.29	-0.21	-0.29	-0.02	6.05e-03	-8.13e-03	-2.56e-03	4.74e-04	6.93e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.32e-03	-8.63e-03	-3.85e-03	5.43e-04	-6.62e-03
		39	0.12	-0.13	-0.17	-0.16	-0.14	0.01	2.67e-03	-0.01	-5.72e-03	-2.87e-03	6.82e-03
		31	0.18	-0.02	-0.26	-0.14	-0.14	0.12	4.82e-03	-8.56e-03	-1.96e-03	-1.78e-03	-6.69e-03
31	53	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.98e-03	-7.96e-03	-2.27e-03	3.02e-04	6.85e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	0.03	5.35e-03	-8.57e-03	-3.57e-03	3.52e-04	-6.68e-03
		39	0.11	-0.12	-0.16	-0.15	-0.13	0.02	2.92e-03	-0.01	-5.36e-03	-2.66e-03	6.80e-03
		31	0.19	1.42e-04	-0.25	-0.12	-0.13	0.13	5.15e-03	-8.29e-03	-1.59e-03	-1.78e-03	-6.72e-03
31	54	32	0.18	-0.21	-0.29	-0.21	-0.29	-0.02	6.06e-03	-8.11e-03	-2.55e-03	4.98e-04	6.92e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.31e-03	-8.62e-03	-3.85e-03	5.43e-04	-6.61e-03
		39	0.12	-0.13	-0.17	-0.16	-0.14	0.01	2.69e-03	-0.01	-5.71e-03	-2.86e-03	6.83e-03
		31	0.18	-0.02	-0.26	-0.14	-0.14	0.12	4.83e-03	-8.53e-03	-1.94e-03	-1.76e-03	-6.68e-03
31	55	32	0.17	-0.21	-0.28	-0.21	-0.28	-3.62e-03	5.81e-03	-7.90e-03	-2.14e-03	5.43e-05	6.77e-03
		40	0.18	-0.21	-0.30	-0.24	-0.27	0.04	5.36e-03	-8.65e-03	-3.44e-03	1.49e-04	-6.77e-03

		39	0.12	-0.09	-0.16	-0.14	-0.12	0.03	2.74e-03	-0.01	-5.10e-03	-3.09e-03	6.76e-03
		31	0.20	0.02	-0.26	-0.11	-0.12	0.14	5.12e-03	-8.48e-03	-1.33e-03	-2.03e-03	-6.79e-03
31	56	32	0.18	-0.20	-0.31	-0.21	-0.29	-0.04	6.22e-03	-8.20e-03	-2.69e-03	7.14e-04	7.01e-03
		40	0.18	-0.25	-0.29	-0.25	-0.29	4.55e-03	5.32e-03	-8.56e-03	-3.99e-03	7.45e-04	-6.53e-03
		39	0.12	-0.15	-0.18	-0.18	-0.15	-2.62e-03	2.87e-03	-0.01	-5.99e-03	-2.44e-03	6.86e-03
		31	0.17	-0.04	-0.25	-0.15	-0.14	0.11	4.86e-03	-8.40e-03	-2.23e-03	-1.31e-03	-6.61e-03
31	57	32	0.17	-0.21	-0.28	-0.21	-0.28	-3.60e-03	5.82e-03	-7.90e-03	-2.14e-03	6.17e-05	6.77e-03
		40	0.18	-0.21	-0.30	-0.24	-0.27	0.04	5.37e-03	-8.66e-03	-3.44e-03	1.49e-04	-6.78e-03
		39	0.12	-0.09	-0.16	-0.14	-0.12	0.03	2.74e-03	-0.01	-5.10e-03	-3.09e-03	6.76e-03
		31	0.20	0.02	-0.26	-0.11	-0.12	0.14	5.13e-03	-8.47e-03	-1.32e-03	-2.02e-03	-6.79e-03
31	58	32	0.18	-0.20	-0.31	-0.21	-0.29	-0.04	6.23e-03	-8.20e-03	-2.69e-03	7.21e-04	7.01e-03
		40	0.18	-0.25	-0.29	-0.25	-0.29	4.57e-03	5.32e-03	-8.57e-03	-3.99e-03	7.45e-04	-6.53e-03
		39	0.12	-0.15	-0.18	-0.18	-0.15	-2.60e-03	2.87e-03	-0.01	-5.98e-03	-2.44e-03	6.86e-03
		31	0.17	-0.04	-0.25	-0.15	-0.14	0.11	4.87e-03	-8.39e-03	-2.22e-03	-1.30e-03	-6.62e-03
31	59	32	0.17	-0.21	-0.28	-0.21	-0.28	-3.61e-03	5.81e-03	-7.90e-03	-2.14e-03	5.44e-05	6.77e-03
		40	0.18	-0.21	-0.30	-0.24	-0.27	0.04	5.37e-03	-8.66e-03	-3.44e-03	1.49e-04	-6.78e-03
		39	0.12	-0.09	-0.16	-0.14	-0.12	0.03	2.74e-03	-0.01	-5.10e-03	-3.09e-03	6.76e-03
		31	0.20	0.02	-0.26	-0.11	-0.12	0.14	5.12e-03	-8.48e-03	-1.33e-03	-2.03e-03	-6.79e-03
31	60	32	0.18	-0.20	-0.31	-0.21	-0.29	-0.04	6.23e-03	-8.20e-03	-2.69e-03	7.14e-04	7.01e-03
		40	0.18	-0.25	-0.29	-0.25	-0.29	4.56e-03	5.32e-03	-8.57e-03	-3.99e-03	7.45e-04	-6.53e-03
		39	0.12	-0.15	-0.18	-0.18	-0.15	-2.61e-03	2.87e-03	-0.01	-5.99e-03	-2.44e-03	6.86e-03
		31	0.17	-0.04	-0.25	-0.15	-0.14	0.11	4.87e-03	-8.40e-03	-2.23e-03	-1.31e-03	-6.62e-03
31	61	32	0.17	-0.21	-0.28	-0.21	-0.28	-3.61e-03	5.82e-03	-7.90e-03	-2.14e-03	6.16e-05	6.77e-03
		40	0.18	-0.21	-0.30	-0.24	-0.27	0.04	5.36e-03	-8.65e-03	-3.44e-03	1.49e-04	-6.78e-03
		39	0.12	-0.09	-0.16	-0.14	-0.12	0.03	2.74e-03	-0.01	-5.10e-03	-3.09e-03	6.76e-03
		31	0.20	0.02	-0.26	-0.11	-0.12	0.14	5.12e-03	-8.47e-03	-1.32e-03	-2.02e-03	-6.79e-03
31	62	32	0.18	-0.20	-0.31	-0.21	-0.29	-0.04	6.23e-03	-8.20e-03	-2.69e-03	7.21e-04	7.01e-03
		40	0.18	-0.25	-0.29	-0.25	-0.29	4.56e-03	5.32e-03	-8.56e-03	-3.99e-03	7.45e-04	-6.53e-03
		39	0.12	-0.15	-0.18	-0.18	-0.15	-2.62e-03	2.88e-03	-0.01	-5.98e-03	-2.44e-03	6.86e-03
		31	0.17	-0.04	-0.25	-0.15	-0.14	0.11	4.87e-03	-8.39e-03	-2.22e-03	-1.30e-03	-6.61e-03
31	63	32	0.16	-0.21	-0.28	-0.21	-0.27	-0.01	5.90e-03	-7.80e-03	-1.96e-03	5.78e-05	6.78e-03
		40	0.17	-0.22	-0.29	-0.24	-0.27	0.03	5.42e-03	-8.54e-03	-3.25e-03	1.28e-04	-6.77e-03
		39	0.17	-0.10	-0.16	-0.14	-0.12	0.02	3.18e-03	-0.01	-4.97e-03	-2.43e-03	6.77e-03
		31	0.19	0.02	-0.25	-0.11	-0.12	0.13	5.51e-03	-8.03e-03	-1.20e-03	-1.32e-03	-6.77e-03
31	64	32	0.18	-0.20	-0.31	-0.21	-0.29	-0.03	6.14e-03	-8.31e-03	-2.88e-03	7.10e-04	7.00e-03
		40	0.18	-0.25	-0.30	-0.25	-0.29	0.01	5.27e-03	-8.68e-03	-4.18e-03	7.66e-04	-6.53e-03
		39	0.12	-0.15	-0.18	-0.18	-0.15	5.83e-03	2.41e-03	-0.01	-6.12e-03	-3.10e-03	6.86e-03
		31	0.18	-0.03	-0.26	-0.15	-0.15	0.11	4.45e-03	-8.82e-03	-2.36e-03	-2.02e-03	-6.63e-03
31	65	32	0.16	-0.21	-0.28	-0.21	-0.27	-0.01	5.91e-03	-7.80e-03	-1.95e-03	6.52e-05	6.78e-03
		40	0.17	-0.22	-0.29	-0.24	-0.27	0.03	5.43e-03	-8.55e-03	-3.25e-03	1.28e-04	-6.78e-03
		39	0.11	-0.10	-0.16	-0.14	-0.12	0.02	3.18e-03	-0.01	-4.97e-03	-2.43e-03	6.76e-03
		31	0.19	0.02	-0.25	-0.11	-0.12	0.13	5.52e-03	-8.02e-03	-1.19e-03	-1.31e-03	-6.77e-03
31	66	32	0.18	-0.20	-0.31	-0.21	-0.29	-0.03	6.15e-03	-8.31e-03	-2.88e-03	7.18e-04	7.00e-03
		40	0.18	-0.25	-0.30	-0.25	-0.29	0.01	5.28e-03	-8.69e-03	-4.18e-03	7.67e-04	-6.53e-03
		39	0.12	-0.15	-0.18	-0.18	-0.15	5.85e-03	2.41e-03	-0.01	-6.12e-03	-3.10e-03	6.86e-03
		31	0.18	-0.03	-0.26	-0.15	-0.14	0.11	4.46e-03	-8.82e-03	-2.35e-03	-2.01e-03	-6.64e-03
31	67	32	0.16	-0.21	-0.28	-0.21	-0.27	-0.01	5.91e-03	-7.80e-03	-1.96e-03	5.79e-05	6.78e-03
		40	0.17	-0.22	-0.29	-0.24	-0.27	0.03	5.43e-03	-8.55e-03	-3.25e-03	1.28e-04	-6.78e-03
		39	0.11	-0.10	-0.16	-0.14	-0.12	0.02	3.18e-03	-0.01	-4.97e-03	-2.43e-03	6.76e-03
		31	0.19	0.02	-0.25	-0.11	-0.12	0.13	5.51e-03	-8.03e-03	-1.20e-03	-1.32e-03	-6.77e-03
31	68	32	0.18	-0.20	-0.31	-0.21	-0.29	-0.03	6.14e-03	-8.31e-03	-2.88e-03	7.11e-04	7.00e-03
		40	0.18	-0.25	-0.30	-0.25	-0.29	0.01	5.28e-03	-8.69e-03	-4.18e-03	7.66e-04	-6.53e-03
		39	0.12	-0.15	-0.18	-0.18	-0.15	5.85e-03	2.41e-03	-0.01	-6.12e-03	-3.10e-03	6.86e-03
		31	0.18	-0.03	-0.26	-0.15	-0.15	0.11	4.45e-03	-8.83e-03	-2.36e-03	-2.02e-03	-6.64e-03
31	69	32	0.16	-0.21	-0.28	-0.21	-0.27	-0.01	5.91e-03	-7.80e-03	-1.95e-03	6.51e-05	6.78e-03
		40	0.17	-0.22	-0.29	-0.24	-0.27	0.03	5.42e-03	-8.54e-03	-3.25e-03	1.28e-04	-6.77e-03
		39	0.11	-0.10	-0.16	-0.14	-0.12	0.02	3.19e-03	-0.01	-4.97e-03	-2.43e-03	6.77e-03
		31	0.19	0.02	-0.25	-0.11	-0.12	0.13	5.52e-03	-8.02e-03	-1.19e-03	-1.31e-03	-6.77e-03
31	70	32	0.18	-0.20	-0.31	-0.21	-0.29	-0.03	6.14e-03	-8.30e-03	-2.88e-03	7.18e-04	7.00e-03
		40	0.18	-0.25	-0.30	-0.25	-0.29	0.01	5.27e-03	-8.68e-03	-4.18e-03	7.67e-04	-6.53e-03
		39	0.12	-0.15	-0.18	-0.18	-0.15	5.84e-03	2.41e-03	-0.01	-6.12e-03	-3.10e-03	6.86e-03
		31	0.18	-0.03	-0.26	-0.15	-0.14	0.11	4.45e-03	-8.82e-03	-2.35e-03	-2.01e-03	-6.63e-03
31	71	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		39	0.12	-0.12	-0.17	-0.16	-0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		31	0.19	-7.55e-03	-0.25	-0.13	-0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
31	72	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		39	0.12	-0.12	-0.17	-0.16	-0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		31	0.19	-7.55e-03	-0.25	-0.13	-0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
31	73	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		39	0.12	-0.12	-0.17	-0.16	-0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		31	0.19	-7.55e-03	-0.25	-0.13	-0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
31	74	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		39	0.12	-0.12	-0.17	-0.16	-0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03

		31	0.19	-7.55e-03	-0.25	-0.13	-0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
31	75	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		39	0.12	-0.12	-0.17	-0.16	-0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		31	0.19	-7.55e-03	-0.25	-0.13	-0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
31	76	32	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
		39	0.12	-0.12	-0.17	-0.16	-0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		31	0.19	-7.55e-03	-0.25	-0.13	-0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
32	1	25	0.24	-9.81e-03	-0.33	-0.17	-0.17	-0.16	6.48e-03	-0.01	-2.31e-03	-2.16e-03	8.71e-03
		33	0.15	-0.16	-0.22	-0.21	-0.17	-0.02	3.64e-03	-0.01	-7.21e-03	-3.59e-03	-8.85e-03
		40	0.23	-0.31	-0.38	-0.32	-0.36	-0.03	6.94e-03	-0.01	-4.83e-03	5.81e-04	8.65e-03
		32	0.22	-0.27	-0.38	-0.28	-0.37	0.03	7.82e-03	-0.01	-3.14e-03	5.04e-04	-8.96e-03
32	2	25	0.24	-9.81e-03	-0.33	-0.17	-0.17	-0.16	6.48e-03	-0.01	-2.31e-03	-2.16e-03	8.71e-03
		33	0.15	-0.16	-0.22	-0.21	-0.17	-0.02	3.64e-03	-0.01	-7.21e-03	-3.59e-03	-8.85e-03
		40	0.23	-0.31	-0.38	-0.32	-0.36	-0.03	6.94e-03	-0.01	-4.83e-03	5.81e-04	8.65e-03
		32	0.22	-0.27	-0.38	-0.28	-0.37	0.03	7.82e-03	-0.01	-3.14e-03	5.04e-04	-8.96e-03
32	3	25	0.19	-7.55e-03	-0.25	-0.13	-0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		33	0.12	-0.12	-0.17	-0.16	-0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
32	4	25	0.19	-7.55e-03	-0.25	-0.13	-0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		33	0.12	-0.12	-0.17	-0.16	-0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
32	5	25	0.19	-7.55e-03	-0.25	-0.13	-0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		33	0.12	-0.12	-0.17	-0.16	-0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
32	6	25	0.19	-7.55e-03	-0.25	-0.13	-0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		33	0.12	-0.12	-0.17	-0.16	-0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
32	7	25	20.47	31.88	0.72	4.81	27.79	10.52	0.03	-0.09	-0.05	-0.01	-0.06
		33	20.51	31.87	0.61	4.78	27.70	-10.63	0.06	-0.05	0.02	8.13e-04	0.05
		40	20.45	31.64	0.39	4.55	27.48	10.62	0.06	-0.05	0.01	-5.19e-03	-0.05
		32	20.49	31.75	0.43	4.61	27.57	-10.65	0.02	-0.10	-0.06	-0.02	0.06
32	8	25	8.50	4.05	-7.65	2.14	-5.74	-4.33	0.98	0.21	0.24	0.95	0.14
		33	7.48	3.23	-6.42	2.66	-5.85	2.27	1.04	0.25	0.26	1.04	-0.04
		40	8.45	-6.00	-11.06	-8.49	-8.57	-2.53	-0.44	-1.38	-0.45	-1.38	0.06
		32	8.00	-5.99	-10.08	-7.32	-8.76	1.91	-0.36	-1.26	-0.36	-1.26	-7.46e-03
32	9	25	22.37	34.84	0.80	5.27	30.37	11.50	0.03	-0.10	-0.06	-0.01	-0.06
		33	22.41	34.82	0.68	5.24	30.26	-11.61	0.07	-0.05	0.02	1.13e-03	0.06
		40	22.34	34.59	0.45	4.99	30.04	11.60	0.06	-0.06	0.01	-5.73e-03	-0.06
		32	22.39	34.70	0.48	5.05	30.14	-11.64	0.02	-0.11	-0.06	-0.02	0.06
32	10	25	6.67	4.13	-4.70	2.60	-3.17	-3.35	0.98	0.21	0.23	0.95	0.14
		33	5.75	3.37	-3.54	3.12	-3.29	1.29	1.04	0.26	0.26	1.04	-0.04
		40	7.03	-5.17	-8.88	-8.05	-6.01	-1.55	-0.44	-1.38	-0.45	-1.38	0.06
		32	6.52	-5.54	-7.52	-6.87	-6.19	-0.93	-0.37	-1.26	-0.37	-1.26	-1.53e-03
32	11	25	20.46	31.87	0.73	4.81	27.79	10.51	0.03	-0.09	-0.05	-0.01	-0.06
		33	20.52	31.87	0.60	4.78	27.70	-10.64	0.06	-0.05	0.02	2.83e-04	0.05
		40	20.44	31.64	0.39	4.55	27.48	10.61	0.06	-0.05	0.01	-5.17e-03	-0.05
		32	20.49	31.75	0.42	4.61	27.57	-10.66	0.02	-0.10	-0.06	-0.02	0.06
32	12	25	8.50	4.05	-7.65	2.14	-5.74	-4.32	0.98	0.21	0.24	0.95	0.14
		33	7.48	3.23	-6.42	2.66	-5.85	2.28	1.04	0.25	0.26	1.04	-0.04
		40	8.45	-6.00	-11.05	-8.49	-8.57	-2.53	-0.44	-1.38	-0.45	-1.38	0.06
		32	8.00	-5.99	-10.09	-7.32	-8.76	1.92	-0.36	-1.26	-0.36	-1.26	-7.47e-03
32	13	25	22.36	34.83	0.80	5.27	30.37	11.49	0.03	-0.10	-0.06	-0.01	-0.06
		33	22.42	34.83	0.67	5.24	30.26	-11.62	0.07	-0.05	0.02	5.98e-04	0.06
		40	22.34	34.58	0.45	4.99	30.04	11.59	0.06	-0.06	0.01	-5.71e-03	-0.06
		32	22.39	34.71	0.48	5.05	30.13	-11.64	0.02	-0.11	-0.06	-0.02	0.06
32	14	25	6.66	4.13	-4.69	2.60	-3.16	-3.34	0.98	0.21	0.23	0.95	0.14
		33	5.75	3.37	-3.54	3.12	-3.28	1.30	1.04	0.26	0.26	1.04	-0.04
		40	7.03	-5.18	-8.88	-8.05	-6.01	-1.55	-0.44	-1.38	-0.45	-1.38	0.06
		32	6.52	-5.54	-7.53	-6.87	-6.19	0.94	-0.37	-1.26	-0.37	-1.26	-1.53e-03
32	15	25	20.47	31.88	0.72	4.81	27.79	10.52	0.03	-0.09	-0.05	-0.01	-0.06
		33	20.51	31.87	0.61	4.78	27.70	-10.63	0.06	-0.05	0.02	8.13e-04	0.05
		40	20.45	31.64	0.39	4.55	27.48	10.62	0.06	-0.05	0.01	-5.19e-03	-0.05
		32	20.49	31.75	0.43	4.61	27.57	-10.65	0.02	-0.10	-0.06	-0.02	0.06
32	16	25	8.50	4.05	-7.65	2.14	-5.74	-4.33	0.98	0.21	0.24	0.95	0.14
		33	7.48	3.23	-6.42	2.66	-5.85	2.27	1.04	0.25	0.26	1.04	-0.04
		40	8.45	-6.00	-11.06	-8.49	-8.57	-2.53	-0.44	-1.38	-0.45	-1.38	0.06
		32	8.00	-5.99	-10.08	-7.32	-8.76	1.91	-0.36	-1.26	-0.36	-1.26	-7.43e-03
32	17	25	22.37	34.84	0.80	5.27	30.37	11.50	0.03	-0.10	-0.06	-0.01	-0.06
		33	22.41	34.82	0.68	5.24	30.26	-11.61	0.07	-0.05	0.02	1.13e-03	0.06
		40	22.34	34.59	0.45	4.99	30.04	11.60	0.06	-0.06	0.01	-5.73e-03	-0.06
		32	22.39	34.70	0.48	5.05	30.14	-11.64	0.02	-0.11	-0.06	-0.02	0.06

32	18	25	6.67	4.13	-4.70	2.60	-3.17	-3.35	0.98	0.21	0.23	0.95	0.14
		33	5.75	3.37	-3.54	3.12	-3.29	1.29	1.04	0.26	0.26	1.04	-0.04
		40	7.03	-5.17	-8.88	-8.05	-6.01	-1.55	-0.44	-1.38	-0.45	-1.38	0.06
		32	6.52	-5.54	-7.52	-6.87	-6.19	0.93	-0.37	-1.26	-0.37	-1.26	-1.56e-03
32	19	25	20.46	31.87	0.73	4.81	27.79	10.51	0.03	-0.09	-0.05	-0.01	-0.06
		33	20.52	31.87	0.60	4.78	27.70	-10.64	0.06	-0.05	0.02	2.83e-04	0.05
		40	20.44	31.64	0.39	4.55	27.48	10.61	0.06	-0.05	0.01	-5.17e-03	-0.05
		32	20.49	31.75	0.42	4.61	27.57	-10.66	0.02	-0.10	-0.06	-0.02	0.06
32	20	25	8.50	4.05	-7.65	2.14	-5.74	-4.32	0.98	0.21	0.24	0.95	0.14
		33	7.48	3.23	-6.42	2.66	-5.85	2.28	1.04	0.25	0.26	1.04	-0.04
		40	8.45	-6.00	-11.05	-8.49	-8.57	-2.53	-0.44	-1.38	-0.45	-1.38	0.06
		32	8.00	-5.99	-10.09	-7.32	-8.76	1.92	-0.36	-1.26	-0.36	-1.26	-7.44e-03
32	21	25	22.36	34.83	0.80	5.27	30.37	11.49	0.03	-0.10	-0.06	-0.01	-0.06
		33	22.42	34.83	0.67	5.24	30.26	-11.62	0.07	-0.05	0.02	5.98e-04	0.06
		40	22.34	34.58	0.45	4.99	30.04	11.59	0.06	-0.06	0.01	-5.71e-03	-0.06
		32	22.39	34.71	0.48	5.05	30.13	-11.64	0.02	-0.11	-0.06	-0.02	0.06
32	22	25	6.66	4.13	-4.69	2.60	-3.16	-3.34	0.98	0.21	0.23	0.95	0.14
		33	5.75	3.37	-3.54	3.12	-3.28	1.30	1.04	0.26	0.26	1.04	-0.04
		40	7.03	-5.18	-8.88	-8.05	-6.01	-1.55	-0.44	-1.38	-0.45	-1.38	0.06
		32	6.52	-5.54	-7.53	-6.87	-6.19	0.94	-0.37	-1.26	-0.37	-1.26	-1.57e-03
32	23	25	78.63	122.47	2.91	18.77	106.62	40.55	0.12	-0.37	-0.20	-0.04	-0.23
		33	78.55	122.19	2.80	18.73	106.26	-40.60	0.27	-0.18	0.08	0.01	0.22
		40	78.54	121.78	2.16	18.09	105.86	40.64	0.25	-0.21	0.06	-0.02	-0.22
		32	78.73	122.19	2.21	18.21	106.19	-40.78	0.10	-0.39	-0.21	-0.07	0.24
32	24	25	18.38	14.03	-9.32	9.87	-5.16	-8.94	3.25	0.69	0.77	3.18	0.44
		33	15.92	11.99	-5.90	11.66	-5.57	2.40	3.47	0.88	0.88	3.46	-0.10
		40	20.61	-13.47	-26.23	-25.37	-14.32	-3.19	-1.47	-4.61	-1.48	-4.61	0.16
		32	18.80	-14.73	-21.71	-21.53	-14.91	1.10	-1.23	-4.21	-1.23	-4.21	0.02
32	25	25	79.20	123.36	2.93	18.91	107.39	40.84	0.13	-0.37	-0.20	-0.04	-0.24
		33	79.12	123.08	2.82	18.87	107.03	-40.90	0.27	-0.18	0.08	0.01	0.23
		40	79.11	122.67	2.18	18.22	106.63	40.93	0.25	-0.21	0.06	-0.02	-0.23
		32	79.30	123.07	2.23	18.34	106.96	-41.08	0.10	-0.39	-0.21	-0.07	0.24
32	26	25	17.85	14.05	-8.44	10.00	-4.39	-8.64	3.25	0.69	0.76	3.18	0.43
		33	15.45	12.06	-5.07	11.80	-4.80	2.11	3.47	0.88	0.88	3.46	-0.10
		40	20.27	-12.87	-25.92	-25.24	-13.55	-2.90	-1.47	-4.61	-1.48	-4.61	0.16
		32	18.44	-14.05	-21.49	-21.40	-14.14	0.80	-1.23	-4.21	-1.24	-4.21	0.02
32	27	25	78.63	122.47	2.91	18.77	106.62	40.55	0.12	-0.37	-0.20	-0.04	-0.23
		33	78.55	122.19	2.80	18.73	106.26	-40.60	0.27	-0.18	0.08	0.01	0.22
		40	78.54	121.78	2.16	18.09	105.86	40.64	0.25	-0.21	0.06	-0.02	-0.22
		32	78.73	122.19	2.21	18.21	106.19	-40.78	0.10	-0.39	-0.21	-0.07	0.24
32	28	25	18.38	14.03	-9.32	9.87	-5.16	-8.94	3.25	0.69	0.77	3.18	0.44
		33	15.92	11.99	-5.90	11.66	-5.57	2.40	3.47	0.88	0.88	3.46	-0.10
		40	20.61	-13.47	-26.23	-25.37	-14.32	-3.19	-1.47	-4.61	-1.48	-4.61	0.16
		32	18.80	-14.73	-21.71	-21.53	-14.91	1.10	-1.23	-4.21	-1.23	-4.21	0.02
32	29	25	79.20	123.36	2.93	18.91	107.39	40.84	0.13	-0.37	-0.20	-0.04	-0.24
		33	79.12	123.08	2.82	18.87	107.03	-40.90	0.27	-0.18	0.08	0.01	0.23
		40	79.11	122.67	2.18	18.22	106.63	40.93	0.25	-0.21	0.06	-0.02	-0.23
		32	79.30	123.07	2.23	18.34	106.96	-41.08	0.10	-0.39	-0.21	-0.07	0.24
32	30	25	17.85	14.05	-8.44	10.00	-4.39	-8.64	3.25	0.69	0.76	3.18	0.43
		33	15.45	12.06	-5.07	11.80	-4.80	2.11	3.47	0.88	0.88	3.46	-0.10
		40	20.27	-12.87	-25.92	-25.24	-13.55	-2.90	-1.47	-4.61	-1.48	-4.61	0.16
		32	18.44	-14.05	-21.49	-21.40	-14.14	0.80	-1.23	-4.21	-1.24	-4.21	0.02
32	31	25	78.62	122.45	2.92	18.77	106.61	40.53	0.12	-0.37	-0.20	-0.05	-0.23
		33	78.57	122.21	2.78	18.73	106.26	-40.62	0.27	-0.18	0.08	9.03e-03	0.22
		40	78.52	121.77	2.18	18.09	105.86	40.61	0.25	-0.21	0.06	-0.02	-0.22
		32	78.74	122.20	2.20	18.21	106.19	-40.80	0.10	-0.39	-0.21	-0.07	0.24
32	32	25	18.36	14.02	-9.30	9.87	-5.15	-8.92	3.25	0.69	0.77	3.18	0.44
		33	15.93	12.00	-5.91	11.66	-5.57	2.42	3.47	0.88	0.88	3.47	-0.10
		40	20.61	-13.48	-26.21	-25.37	-14.32	-3.17	-1.47	-4.61	-1.48	-4.61	0.16
		32	18.79	-14.72	-21.72	-21.53	-14.90	1.12	-1.23	-4.21	-1.23	-4.21	0.02
32	33	25	79.19	123.34	2.95	18.90	107.38	40.82	0.12	-0.37	-0.20	-0.05	-0.24
		33	79.14	123.09	2.80	18.87	107.03	-40.92	0.27	-0.19	0.08	9.13e-03	0.23
		40	79.09	122.65	2.19	18.22	106.63	40.91	0.25	-0.21	0.06	-0.02	-0.23
		32	79.31	123.08	2.21	18.34	106.96	-41.10	0.10	-0.39	-0.21	-0.08	0.24
32	34	25	17.83	14.04	-8.41	10.01	-4.38	-8.62	3.25	0.69	0.76	3.18	0.43
		33	15.46	12.07	-5.07	11.80	-4.80	2.13	3.47	0.88	0.88	3.47	-0.10
		40	20.27	-12.88	-25.91	-25.24	-13.55	-2.87	-1.47	-4.61	-1.48	-4.61	0.16
		32	18.44	-14.04	-21.49	-21.40	-14.13	0.83	-1.23	-4.21	-1.23	-4.21	0.02
32	35	25	78.62	122.45	2.92	18.77	106.61	40.53	0.12	-0.37	-0.20	-0.05	-0.23
		33	78.57	122.21	2.78	18.73	106.26	-40.62	0.27	-0.18	0.08	9.03e-03	0.22
		40	78.52	121.77	2.18	18.09	105.86	40.61	0.25	-0.21	0.06	-0.02	-0.22
		32	78.74	122.20	2.20	18.21	106.19	-40.80	0.10	-0.39	-0.21	-0.07	0.24
32	36	25	18.36	14.02	-9.30	9.87	-5.15	-8.92	3.25	0.69	0.77	3.18	0.44
		33	15.93	12.00	-5.91	11.66	-5.57	2.42	3.47	0.88	0.88	3.47	-0.10
		40	20.61	-13.48	-26.21	-25.37	-14.32	-3.17	-1.47	-4.61	-1.48	-4.61	0.16
		32	18.79	-14.72	-21.72	-21.53	-14.90	1.12	-1.23	-4.21	-1.23	-4.21	0.02
32	37	25	79.18	123.34	2.95	18.90	107.38	40.82	0.12	-0.37	-0.20	-0.05	-0.24

		33	79.14	123.09	2.80	18.87	107.03	-40.92	0.27	-0.19	0.08	9.13e-03	0.23
		40	79.09	122.65	2.19	18.22	106.63	40.91	0.25	-0.21	0.06	-0.02	-0.22
		32	79.31	123.08	2.21	18.34	106.96	-41.10	0.10	-0.39	-0.21	-0.08	0.24
32	38	25	17.83	14.04	-8.41	10.01	-4.38	-8.62	3.25	0.69	0.76	3.18	0.43
		33	15.46	12.07	-5.07	11.80	-4.80	2.13	3.47	0.88	0.88	3.47	-0.10
		40	20.27	-12.88	-25.91	-25.24	-13.55	-2.87	-1.47	-4.61	-1.48	-4.61	0.16
		32	18.44	-14.04	-21.49	-21.40	-14.13	0.83	-1.23	-4.21	-1.23	-4.21	0.02
32	39	25	0.18	-0.02	-0.25	-0.14	-0.13	-0.12	4.94e-03	-8.43e-03	-1.92e-03	-1.57e-03	6.68e-03
		33	0.12	-0.13	-0.17	-0.16	-0.14	-9.97e-03	2.81e-03	-0.01	-5.68e-03	-2.67e-03	-6.82e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.34e-03	-8.60e-03	-3.81e-03	5.37e-04	6.62e-03
		32	0.18	-0.20	-0.30	-0.21	-0.29	0.03	6.07e-03	-8.11e-03	-2.51e-03	4.75e-04	-6.93e-03
32	40	25	0.19	2.13e-03	-0.26	-0.13	-0.13	-0.13	5.01e-03	-8.45e-03	-1.66e-03	-1.79e-03	6.73e-03
		33	0.12	-0.12	-0.16	-0.15	-0.13	-0.02	2.77e-03	-0.01	-5.42e-03	-2.86e-03	-6.79e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	-0.03	5.35e-03	-8.62e-03	-3.62e-03	3.57e-04	6.70e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.96e-03	-8.01e-03	-2.33e-03	2.75e-04	-6.86e-03
32	41	25	0.18	-0.02	-0.25	-0.14	-0.13	-0.12	4.96e-03	-8.39e-03	-1.90e-03	-1.54e-03	6.67e-03
		33	0.12	-0.13	-0.17	-0.16	-0.14	-9.95e-03	2.83e-03	-0.01	-5.66e-03	-2.67e-03	-6.83e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.32e-03	-8.59e-03	-3.80e-03	5.38e-04	6.61e-03
		32	0.18	-0.20	-0.30	-0.21	-0.29	0.03	6.08e-03	-8.08e-03	-2.50e-03	5.00e-04	-6.92e-03
32	42	25	0.19	2.07e-03	-0.26	-0.13	-0.13	-0.13	5.03e-03	-8.42e-03	-1.63e-03	-1.76e-03	6.72e-03
		33	0.12	-0.12	-0.16	-0.15	-0.13	-0.02	2.78e-03	-0.01	-5.41e-03	-2.86e-03	-6.80e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	-0.03	5.34e-03	-8.60e-03	-3.62e-03	3.57e-04	6.68e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.96e-03	-7.98e-03	-2.32e-03	3.01e-04	-6.85e-03
32	43	25	0.18	-0.02	-0.26	-0.14	-0.14	-0.12	4.81e-03	-8.56e-03	-1.63e-03	-1.78e-03	6.69e-03
		33	0.12	-0.13	-0.17	-0.16	-0.14	-0.01	2.67e-03	-0.01	-5.73e-03	-2.87e-03	-6.82e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.32e-03	-8.63e-03	-3.85e-03	5.43e-04	6.62e-03
		32	0.18	-0.21	-0.29	-0.21	-0.29	0.02	6.05e-03	-8.14e-03	-2.56e-03	4.73e-04	-6.93e-03
32	44	25	0.19	1.87e-04	-0.25	-0.12	-0.13	-0.13	5.13e-03	-8.32e-03	-1.61e-03	-1.57e-03	6.73e-03
		33	0.11	-0.12	-0.16	-0.15	-0.13	-0.02	2.91e-03	-0.01	-5.38e-03	-2.67e-03	-6.79e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	-0.03	5.37e-03	-8.59e-03	-3.57e-03	3.51e-04	6.70e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.98e-03	-7.98e-03	-2.28e-03	2.77e-04	-6.86e-03
32	45	25	0.18	-0.02	-0.26	-0.14	-0.14	-0.12	4.83e-03	-8.53e-03	-1.94e-03	-1.76e-03	6.68e-03
		33	0.12	-0.13	-0.17	-0.16	-0.14	-0.01	2.69e-03	-0.01	-5.71e-03	-2.86e-03	-6.83e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.31e-03	-8.62e-03	-3.85e-03	5.43e-04	6.61e-03
		32	0.18	-0.21	-0.29	-0.21	-0.29	0.02	6.06e-03	-8.11e-03	-2.55e-03	4.98e-04	-6.92e-03
32	46	25	0.19	1.29e-04	-0.25	-0.12	-0.13	-0.13	5.15e-03	-8.29e-03	-1.59e-03	-1.54e-03	6.72e-03
		33	0.11	-0.12	-0.16	-0.15	-0.13	-0.02	2.92e-03	-0.01	-5.36e-03	-2.66e-03	-6.80e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	-0.03	5.35e-03	-8.57e-03	-3.57e-03	3.52e-04	6.68e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.98e-03	-7.96e-03	-2.27e-03	3.03e-04	-6.85e-03
32	47	25	0.18	-0.02	-0.25	-0.14	-0.13	-0.12	4.93e-03	-8.42e-03	-1.92e-03	-1.57e-03	6.67e-03
		33	0.12	-0.13	-0.17	-0.16	-0.14	-9.93e-03	2.82e-03	-0.01	-5.68e-03	-2.67e-03	-6.83e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.32e-03	-8.59e-03	-3.80e-03	5.37e-04	6.61e-03
		32	0.18	-0.20	-0.30	-0.21	-0.29	0.03	6.06e-03	-8.09e-03	-2.51e-03	4.76e-04	-6.92e-03
32	48	25	0.19	2.09e-03	-0.26	-0.13	-0.13	-0.13	5.00e-03	-8.44e-03	-1.66e-03	-1.78e-03	6.72e-03
		33	0.12	-0.12	-0.16	-0.15	-0.13	-0.02	2.77e-03	-0.01	-5.42e-03	-2.86e-03	-6.80e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	-0.03	5.34e-03	-8.61e-03	-3.62e-03	3.57e-04	6.68e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.94e-03	-8.00e-03	-2.33e-03	2.77e-04	-6.85e-03
32	49	25	0.18	-0.02	-0.25	-0.14	-0.13	-0.12	4.96e-03	-8.40e-03	-1.90e-03	-1.54e-03	6.68e-03
		33	0.12	-0.13	-0.17	-0.16	-0.14	-9.99e-03	2.82e-03	-0.01	-5.66e-03	-2.67e-03	-6.82e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.34e-03	-8.60e-03	-3.80e-03	5.38e-04	6.62e-03
		32	0.18	-0.20	-0.30	-0.21	-0.29	0.03	6.09e-03	-8.09e-03	-2.50e-03	4.99e-04	-6.93e-03
32	50	25	0.19	2.11e-03	-0.26	-0.13	-0.13	-0.13	5.04e-03	-8.43e-03	-1.63e-03	-1.76e-03	6.73e-03
		33	0.12	-0.12	-0.16	-0.15	-0.13	-0.02	2.78e-03	-0.01	-5.41e-03	-2.86e-03	-6.79e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	-0.03	5.35e-03	-8.62e-03	-3.62e-03	3.57e-04	6.70e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.97e-03	-8.00e-03	-2.32e-03	3.00e-04	-6.86e-03
32	51	25	0.18	-0.02	-0.26	-0.14	-0.14	-0.12	4.81e-03	-8.55e-03	-1.96e-03	-1.78e-03	6.68e-03
		33	0.12	-0.13	-0.17	-0.16	-0.14	-0.01	2.68e-03	-0.01	-5.73e-03	-2.87e-03	-6.83e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.31e-03	-8.62e-03	-3.85e-03	5.43e-04	6.61e-03
		32	0.18	-0.21	-0.29	-0.21	-0.29	0.02	6.04e-03	-8.12e-03	-2.56e-03	4.74e-04	-6.92e-03
32	52	25	0.19	1.46e-04	-0.25	-0.12	-0.13	-0.13	5.13e-03	-8.31e-03	-1.61e-03	-1.57e-03	6.72e-03
		33	0.11	-0.12	-0.16	-0.15	-0.13	-0.02	2.91e-03	-0.01	-5.38e-03	-2.67e-03	-6.80e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	-0.03	5.35e-03	-8.58e-03	-3.57e-03	3.51e-04	6.68e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.97e-03	-7.97e-03	-2.28e-03	2.78e-04	-6.85e-03
32	53	25	0.18	-0.02	-0.26	-0.14	-0.14	-0.12	4.84e-03	-8.53e-03	-1.94e-03	-1.76e-03	6.69e-03
		33	0.12	-0.13	-0.17	-0.16	-0.14	-0.01	2.68e-03	-0.01	-5.71e-03	-2.86e-03	-6.82e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.32e-03	-8.63e-03	-3.85e-03	5.43e-04	6.62e-03
		32	0.18	-0.21	-0.29	-0.21	-0.29	0.02	6.07e-03	-8.12e-03	-2.55e-03	4.97e-04	-6.93e-03
32	54	25	0.19	1.70e-04	-0.25	-0.12	-0.13	-0.13	5.16e-03	-8.30e-03	-1.59e-03	-1.55e-03	6.73e-03
		33	0.11	-0.12	-0.16	-0.15	-0.13	-0.02	2.92e-03	-0.01	-5.36e-03	-2.66e-03	-6.79e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	-0.03	5.37e-03	-8.59e-03	-3.57e-03	3.51e-04	6.70e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	6.00e-03	-7.97e-03	-2.28e-03	3.01e-04	-6.86e-03
32	55	25	0.17	-0.04	-0.25	-0.15	-0.14	-0.11	4.87e-03	-8.40e-03	-2.22e-03	-1.31e-03	6.62e-03
		33	0.12	-0.15	-0.18	-0.18	-0.15	2.59e-03	2.88e-03	-0.01	-5.98e-03	-2.45e-03	-6.87e-03
		40	0.18	-0.25	-0.29	-0.25	-0.29	-4.58e-03	5.32e-03	-8.58e-03	-4.02e-03	7.48e-04	6.53e-03
		32	0.18	-0.20	-0.31	-0.21	-0.29	0.04	6.22e-03	-8.22e-03	-2.72e-03	7.16e-04	-7.01e-03
32	56	25	0.20	0.02	-0.26	-0.11	-0.12	-0.14	5.11e-03	-8.48e-03	-1.34e-03	-2.03e-03	6.79e-03
		33	0.12	-0.09	-0.16	-0.14	-0.12	-0.03	2.73e-03	-0.01	-5.12e-03	-3.08e-03	-6.75e-03



		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
32	76	25	0.19	-7.55e-03	-0.25	-0.13	-0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		33	0.12	-0.12	-0.17	-0.16	-0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		32	0.17	-0.21	-0.29	-0.21	-0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
33	1	34	0.11	0.16	0.02	0.05	0.13	0.06	2.15e-03	-6.20e-03	-3.65e-03	-3.97e-04	3.85e-03
		42	0.26	0.30	-0.11	0.06	0.13	0.20	4.85e-03	-3.06e-03	7.12e-04	1.08e-03	-3.95e-03
		41	0.26	-0.17	-0.44	-0.25	-0.36	0.13	2.53e-04	-7.27e-03	-3.60e-03	-3.42e-03	3.76e-03
33	2	33	0.22	-0.25	-0.39	-0.28	-0.35	0.06	1.11e-03	-5.92e-03	-2.11e-03	-2.70e-03	-3.50e-03
		34	0.11	0.16	0.02	0.05	0.13	0.06	2.15e-03	-6.20e-03	-3.65e-03	-3.97e-04	3.85e-03
		42	0.26	0.30	-0.11	0.06	0.13	0.20	4.85e-03	-3.06e-03	7.12e-04	1.08e-03	-3.95e-03
		41	0.26	-0.17	-0.44	-0.25	-0.36	0.13	2.53e-04	-7.27e-03	-3.60e-03	-3.42e-03	3.76e-03
33	3	33	0.22	-0.25	-0.39	-0.28	-0.35	0.06	1.11e-03	-5.92e-03	-2.11e-03	-2.70e-03	-3.50e-03
		34	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		41	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
33	4	33	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		34	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		41	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
33	5	33	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		34	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		41	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
33	6	33	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		34	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		41	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
33	7	33	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
		34	20.63	32.22	0.90	5.12	28.00	10.68	0.08	-0.04	0.03	0.02	-0.06
		42	20.58	32.20	1.00	5.10	28.11	-10.53	0.05	-0.09	-0.05	3.12e-03	0.06
		41	20.65	31.97	0.40	4.71	27.65	10.84	0.03	-0.10	-0.05	-0.02	-0.06
		33	20.46	31.72	0.54	4.69	27.57	-10.59	0.07	-0.05	0.02	-4.49e-05	0.06
33	8	34	4.00	0.08	-4.98	-0.78	-4.13	-1.90	-0.07	-0.41	-0.07	-0.41	5.76e-03
		42	4.14	0.11	-5.04	-0.78	-4.15	1.95	-0.04	-0.38	-0.05	-0.37	0.07
		41	5.90	1.33	-5.61	1.19	-5.47	-0.96	0.90	0.29	0.29	0.90	2.80e-03
		33	6.65	2.34	-6.05	1.74	-5.45	2.17	0.99	0.30	0.30	0.99	-0.01
33	9	34	22.53	35.18	0.99	5.59	30.58	11.67	0.09	-0.04	0.03	0.02	-0.07
		42	22.48	35.17	1.08	5.57	30.69	-11.52	0.05	-0.10	-0.05	3.31e-03	0.07
		41	22.56	34.93	0.46	5.17	30.23	11.84	0.04	-0.11	-0.06	-0.02	-0.07
		33	22.36	34.67	0.60	5.14	30.14	-11.57	0.08	-0.05	0.02	1.58e-04	0.06
33	10	34	2.13	0.18	-2.04	-0.30	-1.55	-0.92	-0.06	-0.41	-0.06	-0.41	-7.44e-06
		42	2.26	0.21	-2.09	-0.32	-1.57	0.96	-0.04	-0.38	-0.06	-0.37	0.07
		41	4.29	1.64	-2.89	1.64	-2.89	0.03	0.90	0.29	0.29	0.90	-3.43e-03
		33	4.88	2.45	-3.15	2.19	-2.88	1.19	0.99	0.30	0.30	0.99	-4.94e-03
33	11	34	20.63	32.22	0.91	5.12	28.00	10.68	0.08	-0.04	0.03	0.02	-0.06
		42	20.58	32.21	1.00	5.10	28.11	-10.54	0.05	-0.09	-0.05	3.19e-03	0.06
		41	20.65	31.97	0.40	4.71	27.66	10.84	0.03	-0.10	-0.05	-0.01	-0.06
		33	20.46	31.72	0.53	4.69	27.57	-10.59	0.07	-0.05	0.02	2.01e-05	0.06
33	12	34	3.99	0.08	-4.98	-0.78	-4.13	-1.90	-0.07	-0.41	-0.07	-0.41	5.66e-03
		42	4.15	0.11	-5.05	-0.79	-4.15	1.95	-0.04	-0.38	-0.05	-0.37	0.07
		41	5.90	1.32	-5.61	1.19	-5.47	-0.96	0.90	0.29	0.29	0.90	2.80e-03
		33	6.65	2.34	-6.06	1.74	-5.45	2.17	0.99	0.30	0.30	0.99	-0.01
33	13	34	22.53	35.18	0.99	5.59	30.58	11.66	0.09	-0.04	0.03	0.02	-0.07
		42	22.49	35.18	1.08	5.57	30.69	-11.52	0.05	-0.10	-0.05	3.38e-03	0.07
		41	22.56	34.94	0.46	5.17	30.23	11.83	0.04	-0.11	-0.06	-0.02	-0.07
		33	22.36	34.67	0.60	5.14	30.14	-11.57	0.08	-0.05	0.02	2.23e-04	0.06
33	14	34	2.13	0.18	-2.04	-0.31	-1.55	-0.92	-0.06	-0.41	-0.06	-0.41	-1.03e-04
		42	2.27	0.21	-2.09	-0.32	-1.57	0.96	-0.04	-0.38	-0.06	-0.37	0.07
		41	4.30	1.64	-2.90	1.64	-2.90	0.03	0.90	0.29	0.29	0.90	-3.43e-03
		33	4.88	2.45	-3.15	2.19	-2.88	1.19	0.99	0.30	0.30	0.99	-4.94e-03
33	15	34	20.63	32.22	0.90	5.12	28.00	10.68	0.08	-0.04	0.03	0.02	-0.06
		42	20.58	32.20	1.00	5.10	28.11	-10.53	0.05	-0.09	-0.05	3.12e-03	0.06
		41	20.65	31.97	0.40	4.71	27.65	10.84	0.03	-0.10	-0.05	-0.02	-0.06
		33	20.46	31.72	0.54	4.69	27.57	-10.59	0.07	-0.05	0.02	-4.48e-05	0.06
33	16	34	4.00	0.08	-4.98	-0.78	-4.13	-1.90	-0.07	-0.41	-0.07	-0.41	5.74e-03
		42	4.14	0.11	-5.04	-0.78	-4.15	1.95	-0.04	-0.38	-0.05	-0.37	0.07
		41	5.90	1.33	-5.61	1.19	-5.47	-0.96	0.90	0.29	0.29	0.90	2.77e-03
		33	6.65	2.34	-6.05	1.74	-5.45	2.17	0.99	0.30	0.30	0.99	-0.01
33	17	34	22.53	35.18	0.99	5.59	30.58	11.67	0.09	-0.04	0.03	0.02	-0.07
		42	22.48	35.17	1.08	5.57	30.69	-11.52	0.05	-0.10	-0.05	3.32e-03	0.07
		41	22.56	34.93	0.46	5.17	30.23	11.84	0.04	-0.11	-0.06	-0.02	-0.07
		33	22.36	34.67	0.60	5.14	30.14	-11.57	0.08	-0.05	0.02	1.57e-04	0.06
33	18	34	2.13	0.18	-2.04	-0.30	-1.55	-0.92	-0.06	-0.41	-0.06	-0.41	1.35e-05
		42	2.26	0.21	-2.09	-0.32	-1.57	0.96	-0.04	-0.38	-0.06	-0.37	0.07
		41	4.29	1.64	-2.89	1.64	-2.89	0.03	0.90	0.29	0.29	0.90	-3.41e-03
		33	4.88	2.45	-3.15	2.19	-2.88	1.19	0.99	0.30	0.30	0.99	-4.89e-03

33	19	34	20.63	32.22	0.91	5.12	28.00	10.68	0.08	-0.04	0.03	0.02	-0.06
		42	20.58	32.21	1.00	5.10	28.11	-10.54	0.05	-0.09	-0.05	3.18e-03	0.06
		41	20.65	31.97	0.40	4.71	27.66	10.84	0.03	-0.10	-0.05	-0.01	-0.06
		33	20.46	31.72	0.53	4.69	27.57	-10.59	0.07	-0.05	0.02	2.02e-05	0.06
33	20	34	3.99	0.08	-4.98	-0.78	-4.13	-1.90	-0.07	-0.41	-0.07	-0.41	5.64e-03
		42	4.15	0.11	-5.05	-0.79	-4.15	1.95	-0.04	-0.38	-0.05	-0.37	0.07
		41	5.90	1.32	-5.61	1.19	-5.47	-0.96	0.90	0.29	0.29	0.90	2.77e-03
		33	6.65	2.34	-6.06	1.74	-5.45	2.17	0.99	0.30	0.30	0.99	-0.01
33	21	34	22.53	35.18	0.99	5.59	30.58	11.66	0.09	-0.04	0.03	0.02	-0.07
		42	22.49	35.18	1.08	5.57	30.69	-11.52	0.05	-0.10	-0.05	3.38e-03	0.07
		41	22.56	34.94	0.46	5.17	30.23	11.83	0.04	-0.11	-0.06	-0.02	-0.07
		33	22.36	34.67	0.60	5.14	30.14	-11.57	0.08	-0.05	0.02	2.22e-04	0.06
33	22	34	2.13	0.18	-2.04	-0.31	-1.55	-0.92	-0.06	-0.41	-0.06	-0.41	-8.17e-05
		42	2.27	0.21	-2.09	-0.32	-1.57	0.96	-0.04	-0.38	-0.06	-0.37	0.07
		41	4.30	1.64	-2.90	1.64	-2.90	0.03	0.90	0.29	0.29	0.90	-3.41e-03
		33	4.88	2.45	-3.15	2.19	-2.88	1.19	0.99	0.30	0.30	0.99	-4.89e-03
33	23	34	78.70	122.83	3.42	19.46	106.79	40.72	0.32	-0.15	0.10	0.07	-0.24
		42	78.86	123.13	3.40	19.37	107.16	-40.71	0.18	-0.35	-0.18	9.66e-03	0.25
		41	79.09	122.77	2.28	18.56	106.49	41.18	0.14	-0.39	-0.20	-0.05	-0.25
		33	78.58	122.08	2.60	18.53	106.15	-40.62	0.28	-0.19	0.08	5.80e-03	0.23
33	24	34	3.63	0.99	-1.49	-0.19	-0.31	-1.24	-0.20	-1.36	-0.20	-1.36	-0.02
		42	3.71	0.59	-1.19	-0.23	-0.36	0.89	-0.13	-1.29	-0.20	-1.23	0.27
		41	11.37	7.11	-4.21	6.81	-3.91	1.82	3.00	0.95	0.95	3.00	-0.03
		33	12.77	8.98	-4.19	8.70	-3.91	1.91	3.29	1.01	1.01	3.29	1.15e-03
33	25	34	79.27	123.71	3.44	19.60	107.56	41.01	0.33	-0.15	0.11	0.07	-0.24
		42	79.43	124.02	3.42	19.51	107.94	-41.01	0.18	-0.35	-0.18	9.71e-03	0.25
		41	79.66	123.66	2.30	18.69	107.26	41.48	0.14	-0.39	-0.20	-0.05	-0.26
		33	79.15	122.97	2.62	18.67	106.92	-40.91	0.28	-0.19	0.08	5.86e-03	0.24
33	26	34	3.60	1.18	-0.77	-0.05	0.46	-0.94	-0.20	-1.35	-0.20	-1.35	-0.02
		42	3.17	0.81	-0.48	-0.09	0.41	0.59	-0.13	-1.29	-0.20	-1.23	0.27
		41	11.01	7.38	-3.57	6.95	-3.14	2.12	3.00	0.95	0.95	3.00	-0.03
		33	12.29	9.05	-3.35	8.83	-3.14	1.61	3.29	1.01	1.01	3.29	2.85e-03
33	27	34	78.70	122.83	3.42	19.46	106.79	40.72	0.32	-0.15	0.10	0.07	-0.24
		42	78.86	123.13	3.40	19.37	107.16	-40.71	0.18	-0.35	-0.18	9.66e-03	0.25
		41	79.09	122.77	2.28	18.56	106.49	41.18	0.14	-0.39	-0.20	-0.05	-0.25
		33	78.58	122.08	2.60	18.53	106.15	-40.62	0.28	-0.19	0.08	5.80e-03	0.23
33	28	34	3.63	0.99	-1.49	-0.19	-0.31	-1.24	-0.20	-1.36	-0.20	-1.36	-0.02
		42	3.71	0.59	-1.19	-0.23	-0.36	0.89	-0.13	-1.29	-0.20	-1.23	0.27
		41	11.37	7.11	-4.21	6.81	-3.91	1.82	3.00	0.95	0.95	3.00	-0.03
		33	12.77	8.98	-4.19	8.70	-3.91	1.91	3.29	1.01	1.01	3.29	1.14e-03
33	29	34	79.27	123.71	3.44	19.60	107.56	41.01	0.33	-0.15	0.11	0.07	-0.24
		42	79.43	124.02	3.42	19.51	107.94	-41.01	0.18	-0.35	-0.18	9.72e-03	0.25
		41	79.66	123.66	2.30	18.69	107.26	41.48	0.14	-0.39	-0.20	-0.05	-0.26
		33	79.15	122.97	2.62	18.67	106.92	-40.91	0.28	-0.19	0.08	5.86e-03	0.24
33	30	34	3.60	1.18	-0.77	-0.05	0.46	-0.94	-0.20	-1.35	-0.20	-1.35	-0.02
		42	3.17	0.81	-0.48	-0.09	0.41	0.59	-0.13	-1.29	-0.20	-1.23	0.27
		41	11.01	7.38	-3.57	6.95	-3.14	2.12	3.00	0.95	0.95	3.00	-0.03
		33	12.29	9.05	-3.35	8.83	-3.14	1.61	3.29	1.01	1.01	3.29	2.86e-03
33	31	34	78.69	122.82	3.43	19.46	106.79	40.70	0.32	-0.15	0.11	0.07	-0.24
		42	78.87	123.16	3.40	19.38	107.18	-40.72	0.18	-0.35	-0.18	9.87e-03	0.25
		41	79.09	122.77	2.30	18.56	106.51	41.17	0.14	-0.39	-0.20	-0.05	-0.25
		33	78.59	122.09	2.59	18.53	106.15	-40.63	0.28	-0.19	0.08	6.01e-03	0.23
33	32	34	3.62	0.97	-1.48	-0.19	-0.31	-1.22	-0.20	-1.36	-0.20	-1.36	-0.02
		42	3.73	0.59	-1.21	-0.24	-0.38	0.90	-0.13	-1.29	-0.20	-1.23	0.27
		41	11.38	7.11	-4.23	6.81	-3.93	1.83	3.00	0.95	0.95	3.00	-0.03
		33	12.77	8.98	-4.20	8.70	-3.91	1.92	3.29	1.01	1.01	3.29	1.16e-03
33	33	34	79.26	123.71	3.45	19.60	107.56	41.00	0.33	-0.15	0.11	0.07	-0.24
		42	79.44	124.05	3.42	19.52	107.95	-41.02	0.18	-0.35	-0.18	9.92e-03	0.25
		41	79.66	123.66	2.32	18.70	107.28	41.47	0.14	-0.39	-0.20	-0.05	-0.26
		33	79.16	122.98	2.61	18.67	106.92	-40.92	0.28	-0.19	0.08	6.08e-03	0.24
33	34	34	3.60	1.17	-0.76	-0.05	0.46	-0.93	-0.20	-1.36	-0.20	-1.35	-0.02
		42	3.16	0.80	-0.50	-0.10	0.40	0.60	-0.13	-1.29	-0.20	-1.23	0.27
		41	11.02	7.37	-3.59	6.94	-3.15	2.13	3.00	0.95	0.95	3.00	-0.03
		33	12.29	9.05	-3.36	8.83	-3.14	1.63	3.29	1.01	1.01	3.29	2.85e-03
33	35	34	78.69	122.82	3.43	19.46	106.79	40.70	0.32	-0.15	0.11	0.07	-0.24
		42	78.87	123.16	3.40	19.38	107.18	-40.72	0.18	-0.35	-0.18	9.87e-03	0.25
		41	79.09	122.77	2.30	18.56	106.51	41.17	0.14	-0.39	-0.20	-0.05	-0.25
		33	78.59	122.09	2.59	18.53	106.15	-40.63	0.28	-0.19	0.08	6.01e-03	0.23
33	36	34	3.62	0.97	-1.48	-0.19	-0.31	-1.22	-0.20	-1.36	-0.20	-1.36	-0.02
		42	3.73	0.59	-1.21	-0.24	-0.38	0.90	-0.13	-1.29	-0.20	-1.23	0.27
		41	11.38	7.11	-4.23	6.81	-3.93	1.83	3.00	0.95	0.95	3.00	-0.03
		33	12.77	8.98	-4.20	8.70	-3.91	1.92	3.29	1.01	1.01	3.29	1.15e-03
33	37	34	79.26	123.71	3.45	19.60	107.56	41.00	0.33	-0.15	0.11	0.07	-0.24
		42	79.44	124.05	3.42	19.52	107.95	-41.02	0.18	-0.35	-0.18	9.92e-03	0.25
		41	79.66	123.66	2.32	18.70	107.28	41.47	0.14	-0.39	-0.20	-0.05	-0.26
		33	79.16	122.98	2.61	18.67	106.92	-40.92	0.28	-0.19	0.08	6.08e-03	0.24
33	38	34	3.60	1.17	-0.76	-0.05	0.46	-0.93	-0.20	-1.36	-0.20	-1.35	-0.02

		42	3.16	0.80	-0.50	-0.10	0.40	0.60	-0.13	-1.29	-0.20	-1.23	0.27
		41	11.02	7.37	-3.59	6.94	-3.15	2.13	3.00	0.95	0.95	3.00	-0.03
		33	12.29	9.05	-3.36	8.83	-3.14	1.63	3.29	1.01	1.01	3.29	2.87e-03
33	39	34	0.08	0.11	8.07e-03	0.03	0.09	0.04	1.47e-03	-5.03e-03	-3.16e-03	-3.99e-04	2.94e-03
		42	0.19	0.22	-0.09	0.04	0.09	0.16	3.52e-03	-2.58e-03	2.00e-04	7.39e-04	-3.03e-03
		41	0.21	-0.14	-0.35	-0.20	-0.28	0.10	1.22e-05	-5.84e-03	-3.12e-03	-2.71e-03	2.92e-03
		33	0.17	-0.20	-0.30	-0.22	-0.28	0.05	5.78e-04	-4.72e-03	-1.97e-03	-2.17e-03	-2.65e-03
33	40	34	0.09	0.13	0.02	0.05	0.11	0.05	1.86e-03	-4.51e-03	-2.44e-03	-2.07e-04	2.98e-03
		42	0.20	0.24	-0.08	0.05	0.11	0.16	3.97e-03	-2.12e-03	9.21e-04	9.31e-04	-3.04e-03
		41	0.20	-0.12	-0.33	-0.18	-0.27	0.10	4.03e-04	-5.34e-03	-2.41e-03	-2.53e-03	2.87e-03
		33	0.16	-0.18	-0.29	-0.21	-0.26	0.05	1.13e-03	-4.37e-03	-1.26e-03	-1.98e-03	-2.72e-03
33	41	34	0.08	0.11	8.19e-03	0.03	0.09	0.04	1.46e-03	-5.04e-03	-3.18e-03	-4.03e-04	2.94e-03
		42	0.19	0.22	-0.09	0.04	0.09	0.16	3.49e-03	-2.60e-03	1.75e-04	7.24e-04	-3.03e-03
		41	0.21	-0.14	-0.35	-0.20	-0.28	0.10	-7.73e-06	-5.84e-03	-3.13e-03	-2.72e-03	2.91e-03
		33	0.17	-0.20	-0.30	-0.22	-0.28	0.05	5.86e-04	-4.75e-03	-1.99e-03	-2.17e-03	-2.66e-03
33	42	34	0.09	0.13	0.02	0.05	0.11	0.05	1.84e-03	-4.52e-03	-2.46e-03	-2.12e-04	2.97e-03
		42	0.20	0.24	-0.08	0.05	0.11	0.16	3.95e-03	-2.14e-03	8.96e-04	9.15e-04	-3.04e-03
		41	0.20	-0.12	-0.33	-0.18	-0.27	0.10	3.83e-04	-5.34e-03	-2.42e-03	-2.54e-03	2.86e-03
		33	0.16	-0.18	-0.29	-0.21	-0.26	0.05	1.13e-03	-4.39e-03	-1.28e-03	-1.98e-03	-2.74e-03
33	43	34	0.08	0.11	9.47e-03	0.03	0.09	0.04	1.55e-03	-4.98e-03	-3.04e-03	-3.78e-04	2.98e-03
		42	0.19	0.22	-0.09	0.04	0.10	0.16	3.58e-03	-2.50e-03	3.16e-04	7.62e-04	-3.03e-03
		41	0.21	-0.14	-0.34	-0.20	-0.28	0.09	8.52e-05	-5.76e-03	-2.99e-03	-2.69e-03	2.92e-03
		33	0.17	-0.20	-0.30	-0.22	-0.28	0.04	6.55e-04	-4.65e-03	-1.85e-03	-2.14e-03	-2.65e-03
33	44	34	0.09	0.14	0.02	0.05	0.11	0.05	1.78e-03	-4.56e-03	-2.55e-03	-2.28e-04	2.94e-03
		42	0.20	0.24	-0.08	0.05	0.11	0.16	3.90e-03	-2.19e-03	8.05e-04	9.07e-04	-3.04e-03
		41	0.20	-0.12	-0.33	-0.18	-0.27	0.10	3.26e-04	-5.42e-03	-2.53e-03	-2.56e-03	2.87e-03
		33	0.16	-0.18	-0.29	-0.21	-0.26	0.05	1.05e-03	-4.44e-03	-1.39e-03	-2.00e-03	-2.72e-03
33	45	34	0.08	0.11	9.59e-03	0.03	0.09	0.04	1.54e-03	-4.99e-03	-3.07e-03	-3.82e-04	2.97e-03
		42	0.19	0.22	-0.09	0.04	0.10	0.16	3.56e-03	-2.52e-03	2.91e-04	7.47e-04	-3.03e-03
		41	0.21	-0.14	-0.34	-0.20	-0.28	0.09	6.53e-05	-5.76e-03	-3.00e-03	-2.69e-03	2.91e-03
		33	0.17	-0.20	-0.30	-0.22	-0.28	0.04	6.63e-04	-4.67e-03	-1.86e-03	-2.15e-03	-2.66e-03
33	46	34	0.09	0.14	0.02	0.05	0.11	0.05	1.76e-03	-4.57e-03	-2.58e-03	-2.32e-04	2.94e-03
		42	0.20	0.24	-0.08	0.05	0.11	0.16	3.88e-03	-2.21e-03	7.80e-04	8.92e-04	-3.04e-03
		41	0.20	-0.12	-0.33	-0.18	-0.27	0.10	3.06e-04	-5.42e-03	-2.55e-03	-2.57e-03	2.86e-03
		33	0.16	-0.18	-0.29	-0.21	-0.26	0.05	1.05e-03	-4.46e-03	-1.40e-03	-2.01e-03	-2.74e-03
33	47	34	0.08	0.11	8.07e-03	0.03	0.09	0.04	1.47e-03	-5.03e-03	-3.16e-03	-3.99e-04	2.94e-03
		42	0.19	0.22	-0.09	0.04	0.09	0.16	3.51e-03	-2.58e-03	1.99e-04	7.38e-04	-3.03e-03
		41	0.21	-0.14	-0.35	-0.20	-0.28	0.10	2.45e-06	-5.83e-03	-3.12e-03	-2.71e-03	2.91e-03
		33	0.17	-0.20	-0.30	-0.22	-0.28	0.05	5.94e-04	-4.74e-03	-1.97e-03	-2.17e-03	-2.66e-03
33	48	34	0.09	0.13	0.02	0.05	0.11	0.05	1.85e-03	-4.50e-03	-2.44e-03	-2.07e-04	2.97e-03
		42	0.20	0.24	-0.08	0.05	0.11	0.16	3.97e-03	-2.12e-03	9.20e-04	9.29e-04	-3.04e-03
		41	0.20	-0.12	-0.33	-0.18	-0.27	0.10	3.93e-04	-5.33e-03	-2.41e-03	-2.53e-03	2.86e-03
		33	0.16	-0.18	-0.29	-0.21	-0.26	0.05	1.14e-03	-4.38e-03	-1.26e-03	-1.98e-03	-2.74e-03
33	49	34	0.08	0.11	8.18e-03	0.03	0.09	0.04	1.46e-03	-5.05e-03	-3.18e-03	-4.03e-04	2.95e-03
		42	0.19	0.22	-0.09	0.04	0.09	0.16	3.50e-03	-2.60e-03	1.76e-04	7.25e-04	-3.03e-03
		41	0.21	-0.14	-0.35	-0.20	-0.28	0.10	1.99e-06	-5.85e-03	-3.13e-03	-2.72e-03	2.92e-03
		33	0.17	-0.20	-0.30	-0.22	-0.28	0.05	5.69e-04	-4.73e-03	-1.99e-03	-2.17e-03	-2.65e-03
33	50	34	0.09	0.13	0.02	0.05	0.11	0.05	1.85e-03	-4.52e-03	-2.46e-03	-2.11e-04	2.98e-03
		42	0.20	0.24	-0.08	0.05	0.11	0.16	3.95e-03	-2.14e-03	8.97e-04	9.16e-04	-3.04e-03
		41	0.20	-0.12	-0.33	-0.18	-0.27	0.10	3.92e-04	-5.35e-03	-2.42e-03	-2.54e-03	2.87e-03
		33	0.16	-0.18	-0.29	-0.21	-0.26	0.05	1.12e-03	-4.38e-03	-1.28e-03	-1.98e-03	-2.72e-03
33	51	34	0.08	0.11	9.47e-03	0.03	0.09	0.04	1.55e-03	-4.97e-03	-3.05e-03	-3.78e-04	2.97e-03
		42	0.19	0.22	-0.09	0.04	0.10	0.16	3.58e-03	-2.50e-03	3.15e-04	7.61e-04	-3.03e-03
		41	0.21	-0.14	-0.34	-0.20	-0.28	0.09	7.55e-05	-5.75e-03	-2.99e-03	-2.69e-03	2.91e-03
		33	0.17	-0.20	-0.30	-0.22	-0.28	0.04	6.71e-04	-4.67e-03	-1.85e-03	-2.14e-03	-2.66e-03
33	52	34	0.09	0.14	0.02	0.05	0.11	0.05	1.77e-03	-4.55e-03	-2.56e-03	-2.28e-04	2.94e-03
		42	0.20	0.24	-0.08	0.05	0.11	0.16	3.90e-03	-2.19e-03	8.04e-04	9.06e-04	-3.04e-03
		41	0.20	-0.12	-0.33	-0.18	-0.27	0.10	3.16e-04	-5.41e-03	-2.53e-03	-2.56e-03	2.86e-03
		33	0.16	-0.18	-0.29	-0.21	-0.26	0.05	1.06e-03	-4.45e-03	-1.39e-03	-2.00e-03	-2.74e-03
33	53	34	0.08	0.11	9.58e-03	0.03	0.09	0.04	1.54e-03	-4.99e-03	-3.07e-03	-3.82e-04	2.98e-03
		42	0.19	0.22	-0.09	0.04	0.10	0.16	3.56e-03	-2.52e-03	2.92e-04	7.48e-04	-3.03e-03
		41	0.21	-0.14	-0.34	-0.20	-0.28	0.09	7.50e-05	-5.77e-03	-3.00e-03	-2.69e-03	2.92e-03
		33	0.17	-0.20	-0.30	-0.22	-0.28	0.04	6.46e-04	-4.66e-03	-1.86e-03	-2.15e-03	-2.65e-03
33	54	34	0.09	0.14	0.02	0.05	0.11	0.05	1.77e-03	-4.57e-03	-2.58e-03	-2.32e-04	2.95e-03
		42	0.20	0.24	-0.08	0.05	0.11	0.16	3.88e-03	-2.21e-03	7.81e-04	8.93e-04	-3.04e-03
		41	0.20	-0.12	-0.33	-0.18	-0.27	0.10	3.16e-04	-5.43e-03	-2.55e-03	-2.57e-03	2.87e-03
		33	0.16	-0.18	-0.29	-0.21	-0.26	0.05	1.04e-03	-4.44e-03	-1.40e-03	-2.01e-03	-2.72e-03
33	55	34	0.07	0.09	-0.01	0.01	0.06	0.04	1.04e-03	-5.68e-03	-4.01e-03	-6.24e-04	2.90e-03
		42	0.19	0.20	-0.11	0.02	0.07	0.15	3.01e-03	-3.15e-03	-6.50e-04	5.10e-04	-3.02e-03
		41	0.22	-0.15	-0.36	-0.21	-0.30	0.09	-4.21e-04	-6.46e-03	-3.95e-03	-2.93e-03	2.97e-03
		33	0.19	-0.22	-0.32	-0.24	-0.30	0.04	-2.78e-05	-5.17e-03	-2.81e-03	-2.39e-03	-2.56e-03
33	56	34	0.10	0.16	0.04	0.07	0.13	0.05	2.33e-03	-3.92e-03	-1.61e-03	1.54e-05	3.02e-03
		42	0.21	0.26	-0.06	0.07	0.13	0.16	4.52e-03	-1.62e-03	1.75e-03	1.15e-03	-3.05e-03
		41	0.19	-0.10	-0.32	-0.17	-0.25	0.10	8.82e-04	-4.79e-03	-1.58e-03	-2.32e-03	2.81e-03
		33	0.15	-0.16	-0.27	-0.19	-0.24	0.05	1.80e-03	-3.99e-03	-4.36e-04	-1.76e-03	-2.82e-03
33	57	34	0.07	0.09	-0.01	0.01	0.06	0.04	1.04e-03	-5.68e-03	-4.02e-03	-6.26e-04	2.90e-03
		42	0.19	0.20	-0.11	0.02	0.07	0.15	3.00e-03	-3.15e-03	-6.58e-04	5.06e-04	-3.02e-03

		41	0.22	-0.15	-0.36	-0.21	-0.30	0.09	-4.27e-04	-6.46e-03	-3.95e-03	-2.93e-03	2.97e-03
		33	0.19	-0.22	-0.32	-0.24	-0.30	0.04	-2.52e-05	-5.18e-03	-2.81e-03	-2.39e-03	-2.57e-03
33	58	34	0.10	0.16	0.04	0.07	0.13	0.05	2.33e-03	-3.92e-03	-1.61e-03	1.40e-05	3.02e-03
		42	0.21	0.26	-0.06	0.07	0.13	0.16	4.51e-03	-1.62e-03	1.75e-03	1.14e-03	-3.05e-03
		41	0.19	-0.10	-0.32	-0.17	-0.25	0.10	8.76e-04	-4.79e-03	-1.59e-03	-2.33e-03	2.81e-03
		33	0.15	-0.16	-0.27	-0.19	-0.24	0.05	1.80e-03	-4.00e-03	-4.41e-04	-1.76e-03	-2.82e-03
33	59	34	0.07	0.09	-0.01	0.01	0.06	0.04	1.04e-03	-5.67e-03	-4.01e-03	-6.24e-04	2.90e-03
		42	0.19	0.20	-0.11	0.02	0.07	0.15	3.01e-03	-3.15e-03	-6.50e-04	5.10e-04	-3.02e-03
		41	0.22	-0.15	-0.36	-0.21	-0.30	0.09	-4.24e-04	-6.45e-03	-3.95e-03	-2.93e-03	2.97e-03
		33	0.19	-0.22	-0.32	-0.24	-0.30	0.04	-2.29e-05	-5.18e-03	-2.81e-03	-2.39e-03	-2.57e-03
33	60	34	0.10	0.16	0.04	0.07	0.13	0.05	2.33e-03	-3.92e-03	-1.61e-03	1.54e-05	3.02e-03
		42	0.21	0.26	-0.06	0.07	0.13	0.16	4.52e-03	-1.62e-03	1.75e-03	1.15e-03	-3.05e-03
		41	0.19	-0.10	-0.32	-0.17	-0.25	0.10	8.79e-04	-4.79e-03	-1.58e-03	-2.33e-03	2.81e-03
		33	0.15	-0.16	-0.27	-0.19	-0.24	0.05	1.80e-03	-4.00e-03	-4.36e-04	-1.76e-03	-2.82e-03
33	61	34	0.07	0.09	-0.01	0.01	0.06	0.04	1.04e-03	-5.68e-03	-4.02e-03	-6.26e-04	2.90e-03
		42	0.19	0.20	-0.11	0.02	0.07	0.15	3.00e-03	-3.15e-03	-6.57e-04	5.06e-04	-3.02e-03
		41	0.22	-0.15	-0.36	-0.21	-0.30	0.09	-4.24e-04	-6.46e-03	-3.95e-03	-2.93e-03	2.97e-03
		33	0.19	-0.22	-0.32	-0.24	-0.30	0.04	-3.01e-05	-5.18e-03	-2.81e-03	-2.39e-03	-2.56e-03
33	62	34	0.10	0.16	0.04	0.07	0.13	0.05	2.33e-03	-3.93e-03	-1.61e-03	1.41e-05	3.02e-03
		42	0.21	0.26	-0.06	0.07	0.13	0.16	4.51e-03	-1.62e-03	1.75e-03	1.14e-03	-3.05e-03
		41	0.19	-0.10	-0.32	-0.17	-0.25	0.10	8.79e-04	-4.79e-03	-1.59e-03	-2.33e-03	2.81e-03
		33	0.15	-0.16	-0.27	-0.19	-0.24	0.05	1.79e-03	-4.00e-03	-4.41e-04	-1.76e-03	-2.82e-03
33	63	34	0.07	0.08	-6.74e-03	0.01	0.06	0.04	1.30e-03	-5.48e-03	-3.63e-03	-5.54e-04	3.02e-03
		42	0.19	0.20	-0.10	0.02	0.08	0.15	3.22e-03	-2.89e-03	-2.62e-04	5.88e-04	-3.02e-03
		41	0.21	-0.15	-0.35	-0.21	-0.30	0.09	-1.91e-04	-6.17e-03	-3.53e-03	-2.83e-03	2.97e-03
		33	0.19	-0.22	-0.32	-0.24	-0.30	0.04	2.13e-04	-4.92e-03	-2.40e-03	-2.31e-03	-2.57e-03
33	64	34	0.10	0.16	0.04	0.07	0.13	0.05	2.04e-03	-4.08e-03	-1.99e-03	-5.45e-05	2.90e-03
		42	0.21	0.26	-0.07	0.07	0.13	0.16	4.27e-03	-1.84e-03	1.37e-03	1.07e-03	-3.05e-03
		41	0.20	-0.10	-0.32	-0.17	-0.25	0.10	6.12e-04	-5.03e-03	-2.00e-03	-2.42e-03	2.81e-03
		33	0.16	-0.16	-0.27	-0.19	-0.24	0.05	1.51e-03	-4.20e-03	-8.50e-04	-1.84e-03	-2.82e-03
33	65	34	0.07	0.08	-6.70e-03	0.01	0.06	0.04	1.29e-03	-5.48e-03	-3.63e-03	-5.56e-04	3.02e-03
		42	0.19	0.20	-0.10	0.02	0.08	0.15	3.21e-03	-2.90e-03	-2.70e-04	5.83e-04	-3.02e-03
		41	0.21	-0.15	-0.35	-0.21	-0.30	0.09	-1.97e-04	-6.17e-03	-3.54e-03	-2.84e-03	2.97e-03
		33	0.19	-0.22	-0.32	-0.24	-0.30	0.04	2.16e-04	-4.93e-03	-2.40e-03	-2.31e-03	-2.57e-03
33	66	34	0.10	0.16	0.04	0.07	0.13	0.05	2.03e-03	-4.08e-03	-2.00e-03	-5.59e-05	2.90e-03
		42	0.21	0.26	-0.07	0.07	0.13	0.16	4.27e-03	-1.84e-03	1.36e-03	1.07e-03	-3.05e-03
		41	0.20	-0.10	-0.32	-0.17	-0.25	0.10	6.06e-04	-5.03e-03	-2.01e-03	-2.42e-03	2.81e-03
		33	0.16	-0.16	-0.27	-0.19	-0.24	0.05	1.52e-03	-4.21e-03	-8.55e-04	-1.84e-03	-2.82e-03
33	67	34	0.07	0.08	-6.74e-03	0.01	0.06	0.04	1.29e-03	-5.47e-03	-3.63e-03	-5.54e-04	3.02e-03
		42	0.19	0.20	-0.10	0.02	0.08	0.15	3.21e-03	-2.89e-03	-2.63e-04	5.88e-04	-3.02e-03
		41	0.21	-0.15	-0.35	-0.21	-0.30	0.09	-1.94e-04	-6.17e-03	-3.53e-03	-2.83e-03	2.97e-03
		33	0.19	-0.22	-0.32	-0.24	-0.30	0.04	2.18e-04	-4.92e-03	-2.40e-03	-2.31e-03	-2.57e-03
33	68	34	0.10	0.16	0.04	0.07	0.13	0.05	2.03e-03	-4.08e-03	-1.99e-03	-5.46e-05	2.90e-03
		42	0.21	0.26	-0.07	0.07	0.13	0.16	4.27e-03	-1.84e-03	1.37e-03	1.07e-03	-3.05e-03
		41	0.20	-0.10	-0.32	-0.17	-0.25	0.10	6.09e-04	-5.03e-03	-2.00e-03	-2.42e-03	2.81e-03
		33	0.16	-0.16	-0.27	-0.19	-0.24	0.05	1.52e-03	-4.21e-03	-8.50e-04	-1.84e-03	-2.82e-03
33	69	34	0.07	0.08	-6.70e-03	0.01	0.06	0.04	1.29e-03	-5.48e-03	-3.63e-03	-5.56e-04	3.02e-03
		42	0.19	0.20	-0.10	0.02	0.08	0.15	3.21e-03	-2.90e-03	-2.70e-04	5.84e-04	-3.02e-03
		41	0.21	-0.15	-0.35	-0.21	-0.30	0.09	-1.94e-04	-6.18e-03	-3.54e-03	-2.84e-03	2.97e-03
		33	0.19	-0.22	-0.32	-0.24	-0.30	0.04	2.11e-04	-4.92e-03	-2.40e-03	-2.31e-03	-2.57e-03
33	70	34	0.10	0.16	0.04	0.07	0.13	0.05	2.03e-03	-4.09e-03	-2.00e-03	-5.59e-05	2.90e-03
		42	0.21	0.26	-0.07	0.07	0.13	0.16	4.27e-03	-1.84e-03	1.36e-03	1.07e-03	-3.05e-03
		41	0.20	-0.10	-0.32	-0.17	-0.25	0.10	6.09e-04	-5.04e-03	-2.01e-03	-2.42e-03	2.81e-03
		33	0.16	-0.16	-0.27	-0.19	-0.24	0.05	1.51e-03	-4.21e-03	-8.55e-04	-1.84e-03	-2.82e-03
33	71	34	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		41	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		33	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
33	72	34	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		41	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		33	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
33	73	34	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		41	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		33	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
33	74	34	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		41	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		33	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
33	75	34	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		41	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		33	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
33	76	34	0.08	0.12	0.02	0.04	0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.23	-0.09	0.04	0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		41	0.20	-0.13	-0.34	-0.19	-0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03

		33	0.17	-0.19	-0.30	-0.22	-0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
34	1	34	0.11	-0.02	-0.16	-0.05	-0.13	-0.06	2.15e-03	-6.20e-03	-3.65e-03	-3.97e-04	3.85e-03
		42	0.26	0.11	-0.30	-0.06	-0.13	-0.20	4.85e-03	-3.06e-03	7.12e-04	1.08e-03	-3.95e-03
		43	0.26	0.44	0.17	0.25	0.36	-0.13	2.53e-04	-7.27e-03	-3.60e-03	-3.42e-03	3.76e-03
		35	0.22	0.39	0.25	0.28	0.35	-0.06	1.11e-03	-5.92e-03	-2.11e-03	-2.70e-03	-3.50e-03
34	2	34	0.11	-0.02	-0.16	-0.05	-0.13	-0.06	2.15e-03	-6.20e-03	-3.65e-03	-3.97e-04	3.85e-03
		42	0.26	0.11	-0.30	-0.06	-0.13	-0.20	4.85e-03	-3.06e-03	7.12e-04	1.08e-03	-3.95e-03
		43	0.26	0.44	0.17	0.25	0.36	-0.13	2.53e-04	-7.27e-03	-3.60e-03	-3.42e-03	3.76e-03
		35	0.22	0.39	0.25	0.28	0.35	-0.06	1.11e-03	-5.92e-03	-2.11e-03	-2.70e-03	-3.50e-03
34	3	34	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		43	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		35	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
34	4	34	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		43	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		35	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
34	5	34	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		43	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		35	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
34	6	34	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		43	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		35	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
34	7	34	20.51	31.97	0.87	5.03	27.81	10.59	0.04	-0.09	-0.03	-0.02	0.07
		42	20.72	32.23	0.68	5.01	27.90	-10.85	0.10	-0.05	0.05	-1.47e-03	-0.07
		43	20.75	32.36	0.93	5.09	28.20	10.65	0.10	-0.04	0.05	9.80e-03	0.07
		35	20.72	32.31	0.92	5.12	28.11	-10.68	0.05	-0.08	-0.02	-4.11e-03	-0.06
34	8	34	4.15	0.28	-5.23	-0.42	-4.53	-1.84	0.35	0.08	0.08	0.35	8.23e-03
		42	3.92	0.11	-5.11	-0.46	-4.54	1.63	0.32	0.07	0.07	0.32	0.02
		43	3.38	0.03	-4.98	-0.74	-4.20	-1.81	-0.01	-0.07	-0.02	-0.07	-0.02
		35	3.27	-0.03	-4.89	-0.73	-4.19	1.71	5.11e-03	-0.07	4.61e-03	-0.07	-6.08e-03
34	9	34	22.40	34.94	0.95	5.50	30.38	11.57	0.04	-0.10	-0.03	-0.02	0.07
		42	22.62	35.20	0.76	5.48	30.48	-11.83	0.10	-0.05	0.05	-1.66e-03	-0.08
		43	22.66	35.33	1.00	5.55	30.78	11.64	0.11	-0.05	0.05	0.01	0.08
		35	22.62	35.26	0.99	5.57	30.67	-11.67	0.06	-0.09	-0.03	-4.31e-03	-0.07
34	10	34	2.30	0.36	-2.27	0.05	-1.95	-0.86	0.35	0.07	0.08	0.35	0.01
		42	2.08	0.20	-2.15	8.32e-03	-1.96	0.65	0.32	0.08	0.08	0.32	0.01
		43	1.48	0.10	-2.02	-0.29	-1.63	-0.82	-9.04e-03	-0.07	-0.01	-0.06	-0.01
		35	1.37	0.04	-1.94	-0.27	-1.62	0.73	4.43e-03	-0.07	2.57e-03	-0.07	-0.01
34	11	34	20.50	31.97	0.87	5.03	27.81	10.59	0.04	-0.09	-0.03	-0.02	0.07
		42	20.72	32.23	0.68	5.01	27.91	-10.85	0.10	-0.05	0.05	-1.53e-03	-0.07
		43	20.75	32.37	0.94	5.09	28.21	10.65	0.10	-0.04	0.05	9.73e-03	0.07
		35	20.73	32.31	0.92	5.12	28.11	-10.69	0.05	-0.08	-0.02	-4.17e-03	-0.06
34	12	34	4.15	0.28	-5.23	-0.43	-4.53	-1.83	0.35	0.08	0.08	0.35	8.32e-03
		42	3.92	0.11	-5.12	-0.46	-4.54	1.64	0.32	0.07	0.08	0.32	0.02
		43	3.38	0.03	-4.98	-0.74	-4.21	-1.81	-0.01	-0.07	-0.02	-0.07	-0.02
		35	3.27	-0.02	-4.89	-0.73	-4.19	1.71	5.45e-03	-0.07	4.95e-03	-0.07	-6.08e-03
34	13	34	22.40	34.93	0.96	5.51	30.38	11.57	0.04	-0.10	-0.03	-0.02	0.07
		42	22.62	35.20	0.76	5.48	30.49	-11.84	0.10	-0.05	0.05	-1.73e-03	-0.08
		43	22.66	35.33	1.00	5.55	30.78	11.64	0.11	-0.05	0.05	0.01	0.08
		35	22.62	35.26	0.99	5.57	30.67	-11.67	0.06	-0.09	-0.03	-4.38e-03	-0.07
34	14	34	2.30	0.36	-2.27	0.05	-1.95	-0.85	0.35	0.08	0.08	0.35	0.01
		42	2.08	0.20	-2.16	6.38e-03	-1.96	0.65	0.32	0.08	0.08	0.32	0.01
		43	1.48	0.10	-2.02	-0.29	-1.63	-0.82	-8.71e-03	-0.07	-0.01	-0.06	-0.01
		35	1.38	0.05	-1.94	-0.27	-1.62	0.73	4.77e-03	-0.07	2.91e-03	-0.07	-0.01
34	15	34	20.51	31.97	0.87	5.03	27.81	10.59	0.04	-0.09	-0.03	-0.02	0.07
		42	20.72	32.23	0.68	5.01	27.90	-10.85	0.10	-0.05	0.05	-1.47e-03	-0.07
		43	20.75	32.36	0.93	5.09	28.20	10.65	0.10	-0.04	0.05	9.80e-03	0.07
		35	20.72	32.31	0.92	5.12	28.11	-10.68	0.05	-0.08	-0.02	-4.11e-03	-0.06
34	16	34	4.15	0.28	-5.23	-0.42	-4.53	-1.84	0.35	0.08	0.08	0.35	8.25e-03
		42	3.92	0.11	-5.11	-0.46	-4.54	1.63	0.32	0.07	0.07	0.32	0.02
		43	3.38	0.03	-4.98	-0.74	-4.20	-1.81	-0.01	-0.07	-0.02	-0.07	-0.02
		35	3.27	-0.03	-4.89	-0.73	-4.19	1.71	5.11e-03	-0.07	4.62e-03	-0.07	-6.04e-03
34	17	34	22.40	34.94	0.95	5.50	30.38	11.57	0.04	-0.10	-0.03	-0.02	0.07
		42	22.62	35.20	0.76	5.48	30.48	-11.83	0.10	-0.05	0.05	-1.66e-03	-0.08
		43	22.66	35.33	1.00	5.55	30.78	11.64	0.11	-0.05	0.05	0.01	0.08
		35	22.62	35.26	0.99	5.57	30.67	-11.67	0.06	-0.09	-0.03	-4.31e-03	-0.07
34	18	34	2.30	0.36	-2.27	0.05	-1.95	-0.86	0.35	0.07	0.08	0.35	0.01
		42	2.08	0.20	-2.15	8.31e-03	-1.96	0.65	0.32	0.08	0.08	0.32	0.01
		43	1.48	0.10	-2.02	-0.29	-1.63	-0.82	-9.03e-03	-0.07	-0.01	-0.06	-0.01
		35	1.37	0.04	-1.94	-0.27	-1.62	0.73	4.45e-03	-0.07	2.57e-03	-0.07	-0.01
34	19	34	20.50	31.97	0.87	5.03	27.81	10.59	0.04	-0.09	-0.03	-0.02	0.07
		42	20.72	32.23	0.68	5.01	27.91	-10.85	0.10	-0.05	0.05	-1.53e-03	-0.07
		43	20.75	32.37	0.94	5.09	28.21	10.65	0.10	-0.04	0.05	9.73e-03	0.07
		35	20.73	32.31	0.92	5.12	28.11	-10.69	0.05	-0.08	-0.02	-4.17e-03	-0.06

34	20	34	4.15	0.28	-5.23	-0.43	-4.53	-1.83	0.35	0.08	0.08	0.35	8.34e-03
		42	3.92	0.11	-5.12	-0.46	-4.54	1.64	0.32	0.07	0.08	0.32	0.02
		43	3.38	0.03	-4.98	-0.74	-4.21	-1.81	-0.01	-0.07	-0.02	-0.07	-0.02
		35	3.27	-0.02	-4.89	-0.73	-4.19	1.71	5.44e-03	-0.07	4.95e-03	-0.07	-6.04e-03
34	21	34	22.40	34.93	0.96	5.50	30.38	11.57	0.04	-0.10	-0.03	-0.02	0.07
		42	22.62	35.20	0.76	5.48	30.49	-11.84	0.10	-0.05	0.05	-1.72e-03	-0.08
		43	22.66	35.33	1.00	5.55	30.78	11.64	0.11	-0.05	0.05	0.01	0.08
		35	22.62	35.26	0.99	5.57	30.67	-11.67	0.06	-0.09	-0.03	-4.38e-03	-0.07
34	22	34	2.30	0.36	-2.27	0.05	-1.95	-0.85	0.35	0.08	0.08	0.35	0.01
		42	2.08	0.20	-2.16	6.36e-03	-1.96	0.65	0.32	0.08	0.08	0.32	0.01
		43	1.48	0.10	-2.02	-0.29	-1.63	-0.82	-8.70e-03	-0.07	-0.01	-0.06	-0.01
		35	1.38	0.05	-1.94	-0.27	-1.62	0.73	4.78e-03	-0.07	2.91e-03	-0.07	-0.01
34	23	34	78.57	122.58	3.38	19.37	106.59	40.63	0.15	-0.33	-0.11	-0.07	0.24
		42	78.99	123.16	3.08	19.28	106.96	-41.03	0.36	-0.19	0.18	-8.01e-03	-0.26
		43	79.18	123.16	2.82	18.94	107.04	40.99	0.39	-0.15	0.19	0.04	0.26
		35	78.85	122.67	2.98	18.96	106.69	-40.71	0.19	-0.29	-0.08	-9.96e-03	-0.24
34	24	34	3.92	1.43	-1.45	1.18	-1.20	-0.81	1.17	0.25	0.25	1.17	0.05
		42	3.43	1.20	-1.32	1.05	-1.18	0.59	1.05	0.27	0.27	1.05	0.03
		43	1.26	-0.14	-1.34	-0.50	-0.98	-0.55	-0.02	-0.21	-0.02	-0.21	-0.03
		35	1.16	-0.10	-1.37	-0.52	-0.96	0.60	0.02	-0.24	8.19e-03	-0.23	-0.04
34	25	34	79.14	123.47	3.41	19.51	107.36	40.92	0.15	-0.33	-0.11	-0.07	0.24
		42	79.56	124.05	3.10	19.42	107.73	-41.32	0.36	-0.19	0.18	-8.06e-03	-0.26
		43	79.76	124.05	2.84	19.08	107.82	41.29	0.39	-0.15	0.19	0.05	0.26
		35	79.42	123.56	3.00	19.10	107.46	-41.00	0.20	-0.29	-0.09	-0.01	-0.24
34	26	34	3.40	1.46	-0.57	1.32	-0.43	-0.52	1.17	0.25	0.25	1.17	0.05
		42	2.94	1.25	-0.46	1.19	-0.40	0.29	1.05	0.27	0.27	1.05	0.03
		43	0.70	-0.02	-0.55	-0.37	-0.20	-0.25	-0.02	-0.21	-0.02	-0.21	-0.03
		35	0.82	0.03	-0.60	-0.38	-0.19	0.30	0.02	-0.24	7.57e-03	-0.23	-0.05
34	27	34	78.57	122.58	3.38	19.37	106.59	40.63	0.15	-0.33	-0.11	-0.07	0.24
		42	78.99	123.16	3.08	19.28	106.96	-41.03	0.36	-0.19	0.18	-8.01e-03	-0.26
		43	79.18	123.16	2.82	18.94	107.04	40.99	0.39	-0.15	0.19	0.04	0.26
		35	78.85	122.67	2.98	18.96	106.69	-40.71	0.19	-0.29	-0.08	-9.96e-03	-0.24
34	28	34	3.92	1.43	-1.45	1.18	-1.20	-0.81	1.17	0.25	0.25	1.17	0.05
		42	3.43	1.20	-1.32	1.05	-1.18	0.59	1.05	0.27	0.27	1.05	0.03
		43	1.26	-0.14	-1.34	-0.50	-0.98	-0.55	-0.02	-0.21	-0.02	-0.21	-0.03
		35	1.16	-0.10	-1.37	-0.52	-0.96	0.60	0.02	-0.24	8.19e-03	-0.23	-0.04
34	29	34	79.14	123.47	3.41	19.51	107.36	40.92	0.15	-0.33	-0.11	-0.07	0.24
		42	79.56	124.05	3.10	19.42	107.73	-41.32	0.36	-0.19	0.18	-8.06e-03	-0.26
		43	79.76	124.05	2.84	19.08	107.82	41.29	0.39	-0.15	0.19	0.05	0.26
		35	79.42	123.56	3.00	19.10	107.46	-41.00	0.20	-0.29	-0.09	-0.01	-0.24
34	30	34	3.40	1.46	-0.57	1.32	-0.43	-0.52	1.17	0.25	0.25	1.17	0.05
		42	2.94	1.25	-0.46	1.19	-0.40	0.29	1.05	0.27	0.27	1.05	0.03
		43	0.70	-0.02	-0.55	-0.37	-0.20	-0.25	-0.02	-0.21	-0.02	-0.21	-0.03
		35	0.82	0.03	-0.60	-0.38	-0.19	0.30	0.02	-0.24	7.57e-03	-0.23	-0.05
34	31	34	78.56	122.58	3.39	19.38	106.59	40.61	0.15	-0.33	-0.11	-0.07	0.24
		42	79.01	123.18	3.08	19.29	106.97	-41.04	0.36	-0.19	0.18	-8.21e-03	-0.26
		43	79.18	123.17	2.83	18.95	107.06	40.98	0.39	-0.15	0.19	0.04	0.26
		35	78.85	122.68	2.97	18.96	106.69	-40.72	0.19	-0.29	-0.09	-0.01	-0.24
34	32	34	3.92	1.42	-1.45	1.18	-1.20	-0.80	1.17	0.25	0.25	1.17	0.05
		42	3.44	1.20	-1.34	1.05	-1.19	0.60	1.05	0.27	0.27	1.05	0.03
		43	1.26	-0.16	-1.34	-0.51	-0.99	-0.54	-0.02	-0.21	-0.02	-0.21	-0.03
		35	1.17	-0.09	-1.38	-0.52	-0.96	0.61	0.02	-0.24	9.31e-03	-0.23	-0.04
34	33	34	79.13	123.46	3.42	19.52	107.37	40.91	0.15	-0.34	-0.11	-0.07	0.24
		42	79.58	124.07	3.10	19.43	107.75	-41.33	0.36	-0.19	0.18	-8.27e-03	-0.26
		43	79.76	124.06	2.85	19.08	107.83	41.28	0.39	-0.15	0.19	0.04	0.26
		35	79.42	123.57	3.00	19.10	107.46	-41.02	0.20	-0.29	-0.09	-0.01	-0.24
34	34	34	3.40	1.45	-0.57	1.32	-0.43	-0.51	1.17	0.25	0.25	1.17	0.05
		42	2.95	1.24	-0.47	1.19	-0.42	0.30	1.05	0.27	0.27	1.05	0.03
		43	0.70	-0.04	-0.55	-0.37	-0.22	-0.24	-0.01	-0.21	-0.02	-0.21	-0.03
		35	0.83	0.04	-0.61	-0.38	-0.19	0.31	0.02	-0.24	8.70e-03	-0.23	-0.05
34	35	34	78.56	122.58	3.39	19.38	106.59	40.61	0.15	-0.33	-0.11	-0.07	0.24
		42	79.01	123.18	3.08	19.29	106.97	-41.04	0.36	-0.19	0.18	-8.21e-03	-0.26
		43	79.18	123.17	2.83	18.95	107.06	40.98	0.39	-0.15	0.19	0.04	0.26
		35	78.85	122.68	2.97	18.96	106.69	-40.72	0.19	-0.29	-0.09	-0.01	-0.24
34	36	34	3.92	1.42	-1.45	1.18	-1.20	-0.80	1.17	0.25	0.25	1.17	0.05
		42	3.44	1.20	-1.34	1.05	-1.19	0.60	1.05	0.27	0.27	1.05	0.03
		43	1.26	-0.16	-1.34	-0.51	-0.99	-0.54	-0.02	-0.21	-0.02	-0.21	-0.03
		35	1.17	-0.09	-1.38	-0.52	-0.96	0.61	0.02	-0.24	9.31e-03	-0.23	-0.04
34	37	34	79.13	123.46	3.42	19.52	107.37	40.91	0.15	-0.34	-0.11	-0.07	0.24
		42	79.58	124.07	3.10	19.43	107.75	-41.33	0.36	-0.19	0.18	-8.27e-03	-0.26
		43	79.76	124.06	2.85	19.08	107.83	41.28	0.39	-0.15	0.19	0.04	0.26
		35	79.42	123.57	3.00	19.10	107.46	-41.02	0.20	-0.29	-0.09	-0.01	-0.24
34	38	34	3.40	1.45	-0.57	1.32	-0.43	-0.51	1.17	0.25	0.25	1.17	0.05
		42	2.95	1.24	-0.47	1.19	-0.42	0.30	1.05	0.27	0.27	1.05	0.03
		43	0.70	-0.04	-0.55	-0.37	-0.22	-0.24	-0.01	-0.21	-0.02	-0.21	-0.03
		35	0.83	0.04	-0.61	-0.38	-0.19	0.31	0.02	-0.24	8.70e-03	-0.23	-0.05
34	39	34	0.09	-0.02	-0.13	-0.05	-0.11	-0.05	1.84e-03	-4.51e-03	-2.46e-03	-2.12e-04	2.97e-03

		42	0.20	0.08	-0.24	-0.05	-0.11	-0.16	3.95e-03	-2.14e-03	8.97e-04	9.15e-04	-3.04e-03
		43	0.20	0.33	0.12	0.18	0.27	-0.10	3.83e-04	-5.34e-03	-2.42e-03	-2.54e-03	2.86e-03
		35	0.16	0.29	0.18	0.21	0.26	-0.05	1.13e-03	-4.39e-03	-1.28e-03	-1.98e-03	-2.74e-03
34	40	34	0.08	-8.19e-03	-0.11	-0.03	-0.09	-0.04	1.46e-03	-5.04e-03	-3.18e-03	-4.03e-04	2.94e-03
		42	0.19	0.09	-0.22	-0.04	-0.09	-0.16	3.50e-03	-2.60e-03	1.74e-04	7.25e-04	-3.03e-03
		43	0.21	0.35	0.14	0.20	0.28	-0.10	-7.88e-06	-5.84e-03	-3.13e-03	-2.72e-03	2.91e-03
		35	0.17	0.30	0.20	0.22	0.28	-0.05	5.84e-04	-4.75e-03	-1.99e-03	-2.17e-03	-2.66e-03
34	41	34	0.09	-0.02	-0.13	-0.05	-0.11	-0.05	1.86e-03	-4.51e-03	-2.44e-03	-2.07e-04	2.98e-03
		42	0.20	0.08	-0.24	-0.05	-0.11	-0.16	3.97e-03	-2.12e-03	9.21e-04	9.29e-04	-3.04e-03
		43	0.20	0.33	0.12	0.18	0.27	-0.10	4.03e-04	-5.34e-03	-2.41e-03	-2.53e-03	2.87e-03
		35	0.16	0.29	0.18	0.21	0.26	-0.05	1.13e-03	-4.37e-03	-1.26e-03	-1.98e-03	-2.72e-03
34	42	34	0.08	-8.07e-03	-0.11	-0.03	-0.09	-0.04	1.47e-03	-5.03e-03	-3.16e-03	-3.98e-04	2.95e-03
		42	0.19	0.09	-0.22	-0.04	-0.09	-0.16	3.52e-03	-2.58e-03	1.99e-04	7.39e-04	-3.03e-03
		43	0.21	0.35	0.14	0.20	0.28	-0.10	1.13e-05	-5.84e-03	-3.12e-03	-2.71e-03	2.92e-03
		35	0.17	0.30	0.20	0.22	0.28	-0.05	5.77e-04	-4.72e-03	-1.98e-03	-2.17e-03	-2.65e-03
34	43	34	0.09	-0.02	-0.14	-0.05	-0.11	-0.05	1.76e-03	-4.57e-03	-2.58e-03	-2.32e-04	2.94e-03
		42	0.20	0.08	-0.24	-0.05	-0.11	-0.16	3.88e-03	-2.21e-03	7.80e-04	8.92e-04	-3.04e-03
		43	0.20	0.33	0.12	0.18	0.27	-0.10	3.07e-04	-5.42e-03	-2.55e-03	-2.57e-03	2.86e-03
		35	0.16	0.29	0.18	0.21	0.26	-0.05	1.05e-03	-4.46e-03	-1.40e-03	-2.01e-03	-2.74e-03
34	44	34	0.08	-9.59e-03	-0.11	-0.03	-0.09	-0.04	1.54e-03	-4.99e-03	-3.07e-03	-3.83e-04	2.97e-03
		42	0.19	0.09	-0.22	-0.04	-0.10	-0.16	3.56e-03	-2.52e-03	2.91e-04	7.48e-04	-3.03e-03
		43	0.21	0.34	0.14	0.20	0.28	-0.09	6.52e-05	-5.76e-03	-3.01e-03	-2.69e-03	2.91e-03
		35	0.17	0.30	0.20	0.22	0.28	-0.04	6.61e-04	-4.68e-03	-1.87e-03	-2.15e-03	-2.66e-03
34	45	34	0.09	-0.02	-0.14	-0.05	-0.11	-0.05	1.78e-03	-4.56e-03	-2.58e-03	-2.28e-04	2.95e-03
		42	0.20	0.08	-0.24	-0.05	-0.11	-0.16	3.90e-03	-2.19e-03	8.05e-04	9.07e-04	-3.04e-03
		43	0.20	0.33	0.12	0.18	0.27	-0.10	3.26e-04	-5.42e-03	-2.53e-03	-2.56e-03	2.87e-03
		35	0.16	0.29	0.18	0.21	0.26	-0.05	1.05e-03	-4.43e-03	-1.39e-03	-2.00e-03	-2.72e-03
34	46	34	0.08	-9.47e-03	-0.11	-0.03	-0.09	-0.04	1.55e-03	-4.98e-03	-3.05e-03	-3.78e-04	2.98e-03
		42	0.19	0.09	-0.22	-0.04	-0.10	-0.16	3.58e-03	-2.50e-03	3.16e-04	7.62e-04	-3.03e-03
		43	0.21	0.34	0.14	0.20	0.28	-0.09	8.45e-05	-5.76e-03	-2.99e-03	-2.69e-03	2.92e-03
		35	0.17	0.30	0.20	0.22	0.28	-0.04	6.55e-04	-4.65e-03	-1.85e-03	-2.14e-03	-2.65e-03
34	47	34	0.09	-0.02	-0.13	-0.05	-0.11	-0.05	1.85e-03	-4.52e-03	-2.46e-03	-2.12e-04	2.98e-03
		42	0.20	0.08	-0.24	-0.05	-0.11	-0.16	3.95e-03	-2.14e-03	8.97e-04	9.15e-04	-3.04e-03
		43	0.20	0.33	0.12	0.18	0.27	-0.10	3.93e-04	-5.35e-03	-2.42e-03	-2.54e-03	2.87e-03
		35	0.16	0.29	0.18	0.21	0.26	-0.05	1.12e-03	-4.38e-03	-1.27e-03	-1.98e-03	-2.72e-03
34	48	34	0.08	-8.19e-03	-0.11	-0.03	-0.09	-0.04	1.46e-03	-5.05e-03	-3.18e-03	-4.03e-04	2.94e-03
		42	0.19	0.09	-0.22	-0.04	-0.09	-0.16	3.50e-03	-2.60e-03	1.75e-04	7.24e-04	-3.03e-03
		43	0.21	0.35	0.14	0.20	0.28	-0.10	1.61e-06	-5.85e-03	-3.13e-03	-2.72e-03	2.92e-03
		35	0.17	0.30	0.20	0.22	0.28	-0.05	5.69e-04	-4.73e-03	-1.99e-03	-2.17e-03	-2.65e-03
34	49	34	0.09	-0.02	-0.13	-0.05	-0.11	-0.05	1.85e-03	-4.50e-03	-2.44e-03	-2.07e-04	2.97e-03
		42	0.20	0.08	-0.24	-0.05	-0.11	-0.16	3.97e-03	-2.12e-03	9.21e-04	9.30e-04	-3.04e-03
		43	0.20	0.33	0.12	0.18	0.27	-0.10	3.93e-04	-5.33e-03	-2.41e-03	-2.53e-03	2.86e-03
		35	0.16	0.29	0.18	0.21	0.26	-0.05	1.14e-03	-4.38e-03	-1.26e-03	-1.98e-03	-2.74e-03
34	50	34	0.08	-8.08e-03	-0.11	-0.03	-0.09	-0.04	1.47e-03	-5.03e-03	-3.16e-03	-3.99e-04	2.94e-03
		42	0.19	0.09	-0.22	-0.04	-0.09	-0.16	3.51e-03	-2.58e-03	1.99e-04	7.39e-04	-3.03e-03
		43	0.21	0.35	0.14	0.20	0.28	-0.10	1.78e-06	-5.83e-03	-3.12e-03	-2.71e-03	2.91e-03
		35	0.17	0.30	0.20	0.22	0.28	-0.05	5.93e-04	-4.74e-03	-1.98e-03	-2.17e-03	-2.66e-03
34	51	34	0.09	-0.02	-0.14	-0.05	-0.11	-0.05	1.76e-03	-4.57e-03	-2.58e-03	-2.32e-04	2.94e-03
		42	0.20	0.08	-0.24	-0.05	-0.11	-0.16	3.88e-03	-2.21e-03	7.80e-04	8.92e-04	-3.04e-03
		43	0.20	0.33	0.12	0.18	0.27	-0.10	3.16e-04	-5.43e-03	-2.54e-03	-2.57e-03	2.87e-03
		35	0.16	0.29	0.18	0.21	0.26	-0.05	1.04e-03	-4.44e-03	-1.40e-03	-2.01e-03	-2.72e-03
34	52	34	0.08	-9.58e-03	-0.11	-0.03	-0.09	-0.04	1.54e-03	-4.99e-03	-3.07e-03	-3.82e-04	2.98e-03
		42	0.19	0.09	-0.22	-0.04	-0.10	-0.16	3.56e-03	-2.52e-03	2.92e-04	7.47e-04	-3.03e-03
		43	0.21	0.34	0.14	0.20	0.28	-0.09	7.48e-05	-5.77e-03	-3.00e-03	-2.69e-03	2.92e-03
		35	0.17	0.30	0.20	0.22	0.28	-0.04	6.46e-04	-4.66e-03	-1.87e-03	-2.15e-03	-2.65e-03
34	53	34	0.09	-0.02	-0.14	-0.05	-0.11	-0.05	1.77e-03	-4.55e-03	-2.55e-03	-2.28e-04	2.94e-03
		42	0.20	0.08	-0.24	-0.05	-0.11	-0.16	3.90e-03	-2.19e-03	8.04e-04	9.07e-04	-3.04e-03
		43	0.20	0.33	0.12	0.18	0.27	-0.10	3.16e-04	-5.41e-03	-2.53e-03	-2.56e-03	2.86e-03
		35	0.16	0.29	0.18	0.21	0.26	-0.05	1.06e-03	-4.45e-03	-1.39e-03	-2.00e-03	-2.74e-03
34	54	34	0.08	-9.47e-03	-0.11	-0.03	-0.09	-0.04	1.55e-03	-4.97e-03	-3.05e-03	-3.78e-04	2.97e-03
		42	0.19	0.09	-0.22	-0.04	-0.10	-0.16	3.58e-03	-2.50e-03	3.15e-04	7.62e-04	-3.03e-03
		43	0.21	0.34	0.14	0.20	0.28	-0.09	7.49e-05	-5.75e-03	-2.99e-03	-2.69e-03	2.91e-03
		35	0.17	0.30	0.20	0.22	0.28	-0.04	6.70e-04	-4.67e-03	-1.85e-03	-2.15e-03	-2.66e-03
34	55	34	0.10	-0.04	-0.16	-0.07	-0.13	-0.05	2.32e-03	-3.92e-03	-1.61e-03	1.30e-05	3.02e-03
		42	0.21	0.06	-0.26	-0.07	-0.13	-0.16	4.51e-03	-1.62e-03	1.75e-03	1.14e-03	-3.05e-03
		43	0.19	0.32	0.10	0.17	0.25	-0.10	8.78e-04	-4.79e-03	-1.58e-03	-2.33e-03	2.81e-03
		35	0.15	0.27	0.16	0.19	0.24	-0.05	1.80e-03	-4.00e-03	-4.36e-04	-1.76e-03	-2.82e-03
34	56	34	0.07	0.01	-0.09	-0.01	-0.06	-0.04	1.04e-03	-5.68e-03	-4.02e-03	-6.25e-04	2.90e-03
		42	0.19	0.11	-0.20	-0.02	-0.07	-0.15	3.00e-03	-3.15e-03	-6.59e-04	5.08e-04	-3.02e-03
		43	0.22	0.36	0.15	0.21	0.30	-0.09	-4.28e-04	-6.46e-03	-3.96e-03	-2.93e-03	2.97e-03
		35	0.19	0.32	0.22	0.24	0.30	-0.04	-2.75e-05	-5.18e-03	-2.82e-03	-2.39e-03	-2.57e-03
34	57	34	0.10	-0.04	-0.16	-0.07	-0.13	-0.05	2.33e-03	-3.92e-03	-1.60e-03	1.44e-05	3.02e-03
		42	0.21	0.06	-0.26	-0.07	-0.13	-0.16	4.52e-03	-1.62e-03	1.76e-03	1.15e-03	-3.05e-03
		43	0.19	0.32	0.10	0.17	0.25	-0.10	8.84e-04	-4.79e-03	-1.58e-03	-2.33e-03	2.81e-03
		35	0.15	0.27	0.16	0.19	0.24	-0.05	1.80e-03	-3.99e-03	-4.31e-04	-1.76e-03	-2.82e-03
34	58	34	0.07	0.01	-0.09	-0.01	-0.06	-0.04	1.04e-03	-5.68e-03	-4.01e-03	-6.23e-04	2.90e-03
		42	0.19	0.11	-0.20	-0.02	-0.07	-0.15	3.01e-03	-3.15e-03	-6.52e-04	5.12e-04	-3.02e-03

		43	0.22	0.36	0.15	0.21	0.30	-0.09	-4.23e-04	-6.46e-03	-3.95e-03	-2.93e-03	2.97e-03
		35	0.19	0.32	0.22	0.24	0.30	-0.04	-2.98e-05	-5.18e-03	-2.82e-03	-2.39e-03	-2.56e-03
34	59	34	0.10	-0.04	-0.16	-0.07	-0.13	-0.05	2.33e-03	-3.92e-03	-1.61e-03	1.31e-05	3.02e-03
		42	0.21	0.06	-0.26	-0.07	-0.13	-0.16	4.51e-03	-1.62e-03	1.75e-03	1.14e-03	-3.05e-03
		43	0.19	0.32	0.10	0.17	0.25	-0.10	8.81e-04	-4.79e-03	-1.58e-03	-2.33e-03	2.81e-03
		35	0.15	0.27	0.16	0.19	0.24	-0.05	1.80e-03	-3.99e-03	-4.36e-04	-1.76e-03	-2.82e-03
34	60	34	0.07	0.01	-0.09	-0.01	-0.06	-0.04	1.04e-03	-5.68e-03	-4.02e-03	-6.25e-04	2.90e-03
		42	0.19	0.11	-0.20	-0.02	-0.07	-0.15	3.00e-03	-3.15e-03	-6.59e-04	5.07e-04	-3.02e-03
		43	0.22	0.36	0.15	0.21	0.30	-0.09	-4.25e-04	-6.46e-03	-3.96e-03	-2.93e-03	2.97e-03
		35	0.19	0.32	0.22	0.24	0.30	-0.04	-3.21e-05	-5.18e-03	-2.82e-03	-2.39e-03	-2.56e-03
34	61	34	0.10	-0.04	-0.16	-0.07	-0.13	-0.05	2.33e-03	-3.92e-03	-1.60e-03	1.44e-05	3.02e-03
		42	0.21	0.06	-0.26	-0.07	-0.13	-0.16	4.52e-03	-1.62e-03	1.76e-03	1.15e-03	-3.05e-03
		43	0.19	0.32	0.10	0.17	0.25	-0.10	8.81e-04	-4.79e-03	-1.58e-03	-2.33e-03	2.81e-03
		35	0.15	0.27	0.16	0.19	0.24	-0.05	1.80e-03	-4.00e-03	-4.32e-04	-1.76e-03	-2.82e-03
34	62	34	0.07	0.01	-0.09	-0.01	-0.06	-0.04	1.04e-03	-5.68e-03	-4.01e-03	-6.23e-04	2.90e-03
		42	0.19	0.11	-0.20	-0.02	-0.07	-0.15	3.01e-03	-3.15e-03	-6.52e-04	5.12e-04	-3.02e-03
		43	0.22	0.36	0.15	0.21	0.30	-0.09	-4.25e-04	-6.46e-03	-3.96e-03	-2.93e-03	2.97e-03
		35	0.19	0.32	0.22	0.24	0.30	-0.04	-2.51e-05	-5.18e-03	-2.82e-03	-2.39e-03	-2.57e-03
34	63	34	0.10	-0.04	-0.16	-0.07	-0.13	-0.05	2.03e-03	-4.08e-03	-2.00e-03	-5.54e-05	2.90e-03
		42	0.21	0.07	-0.26	-0.07	-0.13	-0.16	4.27e-03	-1.84e-03	1.36e-03	1.07e-03	-3.05e-03
		43	0.20	0.32	0.10	0.17	0.25	-0.10	6.08e-04	-5.03e-03	-2.00e-03	-2.42e-03	2.81e-03
		35	0.16	0.27	0.16	0.19	0.24	-0.05	1.52e-03	-4.21e-03	-8.52e-04	-1.84e-03	-2.82e-03
34	64	34	0.07	6.69e-03	-0.08	-0.01	-0.06	-0.04	1.29e-03	-5.48e-03	-3.63e-03	-5.56e-04	3.02e-03
		42	0.19	0.10	-0.20	-0.02	-0.08	-0.15	3.21e-03	-2.90e-03	-2.70e-04	5.84e-04	-3.02e-03
		43	0.21	0.35	0.15	0.21	0.30	-0.09	-1.98e-04	-6.18e-03	-3.54e-03	-2.84e-03	2.97e-03
		35	0.19	0.32	0.22	0.24	0.30	-0.04	2.14e-04	-4.93e-03	-2.40e-03	-2.31e-03	-2.57e-03
34	65	34	0.10	-0.04	-0.16	-0.07	-0.13	-0.05	2.04e-03	-4.08e-03	-1.99e-03	-5.40e-05	2.90e-03
		42	0.21	0.07	-0.26	-0.07	-0.13	-0.16	4.27e-03	-1.84e-03	1.37e-03	1.07e-03	-3.05e-03
		43	0.20	0.32	0.10	0.17	0.25	-0.10	6.13e-04	-5.03e-03	-2.00e-03	-2.42e-03	2.81e-03
		35	0.16	0.27	0.16	0.19	0.24	-0.05	1.52e-03	-4.20e-03	-8.48e-04	-1.84e-03	-2.82e-03
34	66	34	0.07	6.73e-03	-0.08	-0.01	-0.06	-0.04	1.30e-03	-5.48e-03	-3.63e-03	-5.55e-04	3.02e-03
		42	0.19	0.10	-0.20	-0.02	-0.08	-0.15	3.22e-03	-2.89e-03	-2.63e-04	5.88e-04	-3.02e-03
		43	0.21	0.35	0.15	0.21	0.30	-0.09	-1.92e-04	-6.18e-03	-3.53e-03	-2.83e-03	2.97e-03
		35	0.19	0.32	0.22	0.24	0.30	-0.04	2.12e-04	-4.92e-03	-2.40e-03	-2.31e-03	-2.57e-03
34	67	34	0.10	-0.04	-0.16	-0.07	-0.13	-0.05	2.03e-03	-4.08e-03	-2.00e-03	-5.54e-05	2.90e-03
		42	0.21	0.07	-0.26	-0.07	-0.13	-0.16	4.27e-03	-1.84e-03	1.36e-03	1.07e-03	-3.05e-03
		43	0.20	0.32	0.10	0.17	0.25	-0.10	6.10e-04	-5.03e-03	-2.00e-03	-2.42e-03	2.81e-03
		35	0.16	0.27	0.16	0.19	0.24	-0.05	1.51e-03	-4.21e-03	-8.52e-04	-1.84e-03	-2.82e-03
34	68	34	0.07	6.70e-03	-0.08	-0.01	-0.06	-0.04	1.29e-03	-5.48e-03	-3.63e-03	-5.56e-04	3.02e-03
		42	0.19	0.10	-0.20	-0.02	-0.08	-0.15	3.21e-03	-2.90e-03	-2.70e-04	5.84e-04	-3.02e-03
		43	0.21	0.35	0.15	0.21	0.30	-0.09	-1.95e-04	-6.18e-03	-3.54e-03	-2.84e-03	2.97e-03
		35	0.19	0.32	0.22	0.24	0.30	-0.04	2.09e-04	-4.92e-03	-2.40e-03	-2.31e-03	-2.57e-03
34	69	34	0.10	-0.04	-0.16	-0.07	-0.13	-0.05	2.03e-03	-4.08e-03	-1.99e-03	-5.41e-05	2.90e-03
		42	0.21	0.07	-0.26	-0.07	-0.13	-0.16	4.27e-03	-1.84e-03	1.37e-03	1.07e-03	-3.05e-03
		43	0.20	0.32	0.10	0.17	0.25	-0.10	6.11e-04	-5.03e-03	-2.00e-03	-2.42e-03	2.81e-03
		35	0.16	0.27	0.16	0.19	0.24	-0.05	1.52e-03	-4.21e-03	-8.48e-04	-1.84e-03	-2.82e-03
34	70	34	0.07	6.73e-03	-0.08	-0.01	-0.06	-0.04	1.29e-03	-5.48e-03	-3.63e-03	-5.55e-04	3.02e-03
		42	0.19	0.10	-0.20	-0.02	-0.08	-0.15	3.22e-03	-2.89e-03	-2.63e-04	5.88e-04	-3.02e-03
		43	0.21	0.35	0.15	0.21	0.30	-0.09	-1.95e-04	-6.17e-03	-3.53e-03	-2.83e-03	2.97e-03
		35	0.19	0.32	0.22	0.24	0.30	-0.04	2.17e-04	-4.93e-03	-2.40e-03	-2.31e-03	-2.57e-03
34	71	34	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		43	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		35	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
34	72	34	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		43	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		35	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
34	73	34	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		43	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		35	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
34	74	34	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		43	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		35	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
34	75	34	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		43	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		35	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
34	76	34	0.08	-0.02	-0.12	-0.04	-0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	2.96e-03
		42	0.20	0.09	-0.23	-0.04	-0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	-3.04e-03
		43	0.20	0.34	0.13	0.19	0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	2.89e-03
		35	0.17	0.30	0.19	0.22	0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	-2.69e-03
35	1	35	0.15	0.22	0.16	0.21	0.17	-0.02	3.64e-03	-0.01	-7.21e-03	-3.59e-03	8.85e-03
		43	0.24	0.33	9.81e-03	0.17	0.17	-0.16	6.48e-03	-0.01	-2.31e-03	-2.16e-03	-8.71e-03
		44	0.22	0.38	0.27	0.28	0.37	0.03	7.82e-03	-0.01	-3.14e-03	5.04e-04	8.96e-03

		36	0.23	0.38	0.31	0.32	0.36	-0.03	6.94e-03	-0.01	-4.83e-03	5.82e-04	-8.65e-03
35	2	35	0.15	0.22	0.16	0.21	0.17	-0.02	3.64e-03	-0.01	-7.21e-03	-3.59e-03	8.85e-03
		43	0.24	0.33	9.81e-03	0.17	0.17	-0.16	6.48e-03	-0.01	-2.31e-03	-2.16e-03	-8.71e-03
		44	0.22	0.38	0.27	0.28	0.37	0.03	7.82e-03	-0.01	-3.14e-03	5.04e-04	8.96e-03
		36	0.23	0.38	0.31	0.32	0.36	-0.03	6.94e-03	-0.01	-4.83e-03	5.82e-04	-8.65e-03
35	3	35	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		43	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
35	4	35	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		43	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
35	5	35	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		43	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
35	6	35	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		43	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
35	7	35	20.61	32.12	0.93	5.10	27.96	10.61	0.05	-0.08	-0.03	-5.82e-03	0.07
		43	20.74	32.31	0.82	5.07	28.05	-10.76	0.10	-0.04	0.05	9.75e-03	-0.07
		44	20.78	32.33	0.84	5.03	28.14	10.70	0.11	-0.04	0.05	0.02	0.07
		36	20.71	32.22	0.87	5.04	28.05	-10.65	0.06	-0.08	-0.02	6.07e-03	-0.07
35	8	35	3.29	-0.08	-5.04	-0.77	-4.36	-1.71	-8.69e-03	-0.05	-0.01	-0.05	8.51e-03
		43	3.19	-0.16	-4.98	-0.77	-4.37	1.60	-4.52e-03	-0.04	-0.01	-0.04	-0.02
		44	3.22	0.15	-4.86	-0.50	-4.21	-1.69	2.52e-03	-0.02	-0.02	-2.86e-03	9.96e-03
		36	3.21	0.20	-4.84	-0.45	-4.20	1.68	6.34e-03	-0.01	-4.92e-03	1.24e-03	-7.58e-03
35	9	35	22.50	35.08	1.01	5.55	30.53	11.59	0.06	-0.09	-0.03	-6.12e-03	0.07
		43	22.64	35.26	0.89	5.53	30.63	-11.74	0.11	-0.05	0.06	0.01	-0.08
		44	22.68	35.28	0.89	5.47	30.70	11.69	0.12	-0.04	0.06	0.02	0.08
		36	22.61	35.16	0.92	5.48	30.61	-11.63	0.07	-0.08	-0.02	6.61e-03	-0.07
35	10	35	1.39	-0.01	-2.09	-0.31	-1.79	-0.73	-7.40e-03	-0.05	-0.01	-0.05	0.01
		43	1.30	-0.09	-2.02	-0.31	-1.80	0.62	4.21e-03	-0.05	-6.79e-03	-0.04	-0.02
		44	1.36	0.21	-1.91	-0.06	-1.64	-0.71	0.01	-0.02	-0.01	-9.62e-04	0.02
		36	1.36	0.25	-1.90	-6.32e-03	-1.64	0.70	0.01	-0.02	-6.52e-03	1.78e-03	-0.01
35	11	35	20.60	32.12	0.94	5.10	27.96	10.60	0.05	-0.08	-0.03	-6.36e-03	0.07
		43	20.75	32.31	0.82	5.07	28.06	-10.77	0.10	-0.04	0.05	9.17e-03	-0.07
		44	20.77	32.33	0.84	5.03	28.14	10.69	0.11	-0.04	0.05	0.02	0.07
		36	20.71	32.23	0.86	5.04	28.05	-10.66	0.06	-0.08	-0.02	6.09e-03	-0.07
35	12	35	3.28	-0.09	-5.04	-0.77	-4.36	-1.70	-8.55e-03	-0.05	-0.01	-0.04	8.52e-03
		43	3.20	-0.16	-4.99	-0.77	-4.38	1.60	-4.33e-03	-0.04	-0.01	-0.04	-0.02
		44	3.22	0.15	-4.86	-0.50	-4.21	-1.69	2.56e-03	-0.02	-0.02	-2.85e-03	9.97e-03
		36	3.22	0.20	-4.85	-0.45	-4.20	1.69	6.37e-03	-9.93e-03	-4.78e-03	1.22e-03	-7.58e-03
35	13	35	22.50	35.07	1.01	5.56	30.53	11.58	0.06	-0.09	-0.03	-6.65e-03	0.07
		43	22.65	35.27	0.89	5.53	30.63	-11.75	0.11	-0.05	0.06	0.01	-0.08
		44	22.68	35.28	0.90	5.47	30.71	11.68	0.12	-0.04	0.06	0.02	0.08
		36	22.61	35.17	0.92	5.48	30.60	-11.64	0.07	-0.08	-0.02	6.63e-03	-0.07
35	14	35	1.39	-0.02	-2.09	-0.31	-1.79	-0.72	-7.23e-03	-0.05	-0.01	-0.04	0.01
		43	1.31	-0.08	-2.03	-0.31	-1.80	0.63	4.42e-03	-0.05	-6.67e-03	-0.04	-0.02
		44	1.35	0.21	-1.91	-0.06	-1.64	-0.70	0.01	-0.02	-0.01	-9.59e-04	0.02
		36	1.36	0.26	-1.90	-6.29e-03	-1.64	0.71	0.01	-0.02	-6.37e-03	1.76e-03	-0.01
35	15	35	20.61	32.12	0.93	5.10	27.96	10.61	0.05	-0.08	-0.03	-5.82e-03	0.07
		43	20.74	32.31	0.82	5.07	28.05	-10.76	0.10	-0.04	0.05	9.75e-03	-0.07
		44	20.78	32.33	0.84	5.03	28.14	10.70	0.11	-0.04	0.05	0.02	0.07
		36	20.71	32.22	0.87	5.04	28.05	-10.65	0.06	-0.08	-0.02	6.07e-03	-0.07
35	16	35	3.29	-0.08	-5.04	-0.77	-4.36	-1.71	-8.69e-03	-0.05	-0.01	-0.05	8.53e-03
		43	3.19	-0.16	-4.98	-0.77	-4.37	1.60	-4.53e-03	-0.04	-0.01	-0.04	-0.02
		44	3.22	0.15	-4.86	-0.50	-4.21	-1.69	2.49e-03	-0.02	-0.02	-2.85e-03	9.92e-03
		36	3.21	0.20	-4.84	-0.45	-4.20	1.68	6.30e-03	-9.99e-03	-4.92e-03	1.23e-03	-7.54e-03
35	17	35	22.50	35.08	1.01	5.55	30.53	11.59	0.06	-0.09	-0.03	-6.12e-03	0.07
		43	22.64	35.26	0.89	5.53	30.63	-11.74	0.11	-0.05	0.06	0.01	-0.08
		44	22.68	35.28	0.89	5.47	30.70	11.69	0.12	-0.04	0.06	0.02	0.08
		36	22.61	35.16	0.92	5.48	30.61	-11.63	0.07	-0.08	-0.02	6.61e-03	-0.07
35	18	35	1.39	-0.01	-2.09	-0.31	-1.79	-0.73	-7.41e-03	-0.05	-0.01	-0.05	0.01
		43	1.30	-0.09	-2.02	-0.31	-1.80	0.62	4.23e-03	-0.05	-6.79e-03	-0.04	-0.02
		44	1.36	0.21	-1.91	-0.06	-1.64	-0.71	0.01	-0.02	-0.01	-9.63e-04	0.02
		36	1.36	0.25	-1.90	-6.31e-03	-1.64	0.70	0.01	-0.02	-6.51e-03	1.78e-03	-0.01
35	19	35	20.60	32.12	0.94	5.10	27.96	10.60	0.05	-0.08	-0.03	-6.36e-03	0.07
		43	20.75	32.31	0.82	5.07	28.06	-10.77	0.10	-0.04	0.05	9.17e-03	-0.07
		44	20.77	32.33	0.84	5.03	28.14	10.69	0.11	-0.04	0.05	0.02	0.07
		36	20.71	32.23	0.86	5.04	28.05	-10.66	0.06	-0.08	-0.02	6.09e-03	-0.07
35	20	35	3.28	-0.09	-5.04	-0.77	-4.36	-1.70	-8.54e-03	-0.05	-0.01	-0.04	8.53e-03
		43	3.20	-0.16	-4.99	-0.77	-4.38	1.60	-4.34e-03	-0.04	-0.01	-0.04	-0.02
		44	3.22	0.15	-4.86	-0.50	-4.21	-1.69	2.53e-03	-0.02	-0.02	-2.85e-03	9.93e-03
		36	3.22	0.20	-4.85	-0.45	-4.20	1.69	6.33e-03	-9.89e-03	-4.78e-03	1.22e-03	-7.54e-03

35	21	35	22.50	35.07	1.01	5.56	30.53	11.58	0.06	-0.09	-0.03	-6.65e-03	0.07
		43	22.65	35.27	0.89	5.53	30.63	-11.75	0.11	-0.05	0.06	0.01	-0.08
		44	22.68	35.28	0.90	5.47	30.71	11.68	0.12	-0.04	0.06	0.02	0.08
		36	22.61	35.17	0.92	5.48	30.60	-11.64	0.07	-0.08	-0.02	6.63e-03	-0.07
35	22	35	1.39	-0.02	-2.09	-0.31	-1.79	-0.72	-7.24e-03	-0.05	-0.01	-0.04	0.01
		43	1.31	-0.08	-2.03	-0.31	-1.80	0.63	4.43e-03	-0.05	-6.67e-03	-0.04	-0.02
		44	1.35	0.21	-1.91	-0.06	-1.64	-0.70	0.01	-0.02	-0.01	-9.60e-04	0.02
		36	1.36	0.26	-1.90	-6.29e-03	-1.64	0.71	0.01	-0.02	-6.37e-03	1.76e-03	-0.01
35	23	35	78.65	122.46	3.11	19.05	106.52	40.59	0.19	-0.29	-0.09	-0.01	0.24
		43	78.90	122.88	3.02	19.03	106.87	-40.78	0.38	-0.14	0.20	0.04	-0.25
		44	79.02	122.77	2.61	18.63	106.75	40.85	0.40	-0.12	0.21	0.08	0.25
		36	78.79	122.35	2.65	18.58	106.42	-40.66	0.22	-0.26	-0.07	0.02	-0.24
35	24	35	1.06	-0.28	-1.44	-0.50	-1.21	-0.46	-0.02	-0.16	-0.03	-0.15	0.04
		43	0.98	-0.26	-1.40	-0.44	-1.22	0.41	0.02	-0.15	-9.07e-03	-0.12	-0.07
		44	1.07	0.34	-1.21	0.19	-1.06	-0.47	0.04	-0.06	-0.02	-6.26e-04	0.05
		36	1.07	0.42	-1.20	0.28	-1.05	0.46	0.04	-0.05	-0.02	5.95e-03	-0.04
35	25	35	79.22	123.34	3.13	19.18	107.29	40.89	0.19	-0.29	-0.09	-0.01	0.24
		43	79.47	123.77	3.04	19.16	107.65	-41.07	0.38	-0.14	0.20	0.04	-0.25
		44	79.59	123.66	2.63	18.76	107.52	41.14	0.40	-0.12	0.21	0.08	0.25
		36	79.36	123.23	2.67	18.71	107.19	-40.95	0.22	-0.27	-0.07	0.02	-0.24
35	26	35	0.56	-0.23	-0.58	-0.37	-0.44	-0.17	-0.02	-0.16	-0.03	-0.15	0.04
		43	0.53	-0.23	-0.52	-0.30	-0.45	0.12	0.03	-0.15	-7.61e-03	-0.12	-0.07
		44	0.56	0.37	-0.33	0.32	-0.29	-0.17	0.04	-0.06	-0.02	-5.84e-05	0.05
		36	0.57	0.45	-0.32	0.41	-0.29	0.17	0.04	-0.05	-0.02	6.12e-03	-0.04
35	27	35	78.66	122.46	3.11	19.05	106.52	40.59	0.19	-0.29	-0.09	-0.01	0.24
		43	78.90	122.88	3.02	19.03	106.87	-40.78	0.38	-0.14	0.20	0.04	-0.25
		44	79.02	122.77	2.61	18.63	106.75	40.85	0.40	-0.12	0.21	0.08	0.25
		36	78.79	122.35	2.65	18.58	106.42	-40.66	0.22	-0.26	-0.07	0.02	-0.24
35	28	35	1.06	-0.28	-1.44	-0.50	-1.21	-0.46	-0.02	-0.16	-0.03	-0.15	0.04
		43	0.98	-0.26	-1.40	-0.44	-1.22	0.41	0.02	-0.15	-9.07e-03	-0.12	-0.07
		44	1.07	0.34	-1.21	0.19	-1.06	-0.47	0.04	-0.06	-0.02	-6.26e-04	0.05
		36	1.07	0.42	-1.20	0.28	-1.05	0.46	0.04	-0.05	-0.02	5.95e-03	-0.04
35	29	35	79.22	123.34	3.13	19.18	107.29	40.89	0.19	-0.29	-0.09	-0.01	0.24
		43	79.47	123.77	3.04	19.16	107.65	-41.07	0.38	-0.14	0.20	0.04	-0.25
		44	79.59	123.66	2.63	18.76	107.52	41.14	0.40	-0.12	0.21	0.08	0.25
		36	79.36	123.23	2.67	18.71	107.19	-40.95	0.22	-0.27	-0.07	0.02	-0.24
35	30	35	0.56	-0.23	-0.58	-0.37	-0.44	-0.17	-0.02	-0.16	-0.03	-0.15	0.04
		43	0.53	-0.23	-0.52	-0.30	-0.45	0.12	0.03	-0.15	-7.61e-03	-0.12	-0.07
		44	0.56	0.37	-0.33	0.32	-0.29	-0.17	0.04	-0.06	-0.02	-5.86e-05	0.05
		36	0.57	0.45	-0.32	0.41	-0.29	0.17	0.04	-0.05	-0.02	6.12e-03	-0.04
35	31	35	78.64	122.44	3.13	19.05	106.52	40.57	0.19	-0.29	-0.09	-0.02	0.24
		43	78.91	122.91	3.01	19.03	106.88	-40.80	0.38	-0.14	0.20	0.04	-0.25
		44	79.01	122.77	2.63	18.63	106.76	40.82	0.40	-0.12	0.21	0.08	0.25
		36	78.80	122.37	2.63	18.58	106.42	-40.68	0.22	-0.26	-0.07	0.02	-0.24
35	32	35	1.05	-0.30	-1.42	-0.51	-1.21	-0.44	-0.02	-0.16	-0.03	-0.14	0.04
		43	0.98	-0.25	-1.42	-0.44	-1.23	0.44	0.02	-0.15	-8.67e-03	-0.11	-0.07
		44	1.06	0.33	-1.21	0.19	-1.07	-0.44	0.04	-0.06	-0.02	-6.14e-04	0.05
		36	1.09	0.43	-1.21	0.28	-1.05	0.48	0.04	-0.05	-0.02	5.90e-03	-0.04
35	33	35	79.21	123.33	3.15	19.19	107.29	40.87	0.19	-0.29	-0.09	-0.02	0.24
		43	79.48	123.79	3.03	19.17	107.65	-41.09	0.38	-0.14	0.20	0.04	-0.25
		44	79.58	123.65	2.64	18.76	107.53	41.12	0.40	-0.12	0.21	0.08	0.25
		36	79.37	123.25	2.65	18.71	107.19	-40.98	0.22	-0.27	-0.07	0.02	-0.24
35	34	35	0.56	-0.26	-0.56	-0.37	-0.44	-0.15	-0.02	-0.16	-0.03	-0.14	0.04
		43	0.52	-0.22	-0.54	-0.31	-0.45	0.14	0.03	-0.15	-7.21e-03	-0.11	-0.07
		44	0.54	0.35	-0.33	0.32	-0.29	-0.15	0.04	-0.06	-0.02	-4.64e-05	0.05
		36	0.59	0.46	-0.33	0.41	-0.29	0.19	0.04	-0.05	-0.02	6.06e-03	-0.04
35	35	35	78.64	122.44	3.13	19.05	106.52	40.57	0.19	-0.29	-0.09	-0.02	0.24
		43	78.91	122.91	3.01	19.03	106.88	-40.80	0.38	-0.14	0.20	0.04	-0.25
		44	79.01	122.77	2.63	18.63	106.76	40.82	0.40	-0.12	0.21	0.08	0.25
		36	78.80	122.37	2.63	18.58	106.42	-40.68	0.22	-0.26	-0.07	0.02	-0.24
35	36	35	1.05	-0.30	-1.42	-0.51	-1.21	-0.44	-0.02	-0.16	-0.03	-0.14	0.04
		43	0.98	-0.25	-1.42	-0.44	-1.23	0.44	0.02	-0.15	-8.67e-03	-0.11	-0.07
		44	1.06	0.33	-1.21	0.19	-1.07	-0.44	0.04	-0.06	-0.02	-6.14e-04	0.05
		36	1.09	0.43	-1.21	0.28	-1.05	0.48	0.04	-0.05	-0.02	5.90e-03	-0.04
35	37	35	79.21	123.33	3.15	19.19	107.29	40.87	0.19	-0.29	-0.09	-0.02	0.24
		43	79.48	123.79	3.03	19.17	107.65	-41.09	0.38	-0.14	0.20	0.04	-0.25
		44	79.58	123.65	2.64	18.76	107.53	41.12	0.40	-0.12	0.21	0.08	0.25
		36	79.37	123.25	2.65	18.71	107.19	-40.98	0.22	-0.27	-0.07	0.02	-0.24
35	38	35	0.56	-0.26	-0.56	-0.37	-0.44	-0.15	-0.02	-0.16	-0.03	-0.14	0.04
		43	0.52	-0.22	-0.54	-0.31	-0.45	0.14	0.03	-0.15	-7.21e-03	-0.11	-0.07
		44	0.54	0.35	-0.33	0.32	-0.29	-0.15	0.04	-0.06	-0.02	-4.66e-05	0.05
		36	0.59	0.46	-0.33	0.41	-0.29	0.19	0.04	-0.05	-0.02	6.06e-03	-0.04
35	39	35	0.11	0.16	0.12	0.15	0.13	-0.02	2.91e-03	-0.01	-5.37e-03	-2.67e-03	6.79e-03
		43	0.19	0.25	-2.02e-04	0.12	0.13	-0.13	5.14e-03	-8.32e-03	-1.61e-03	-1.57e-03	-6.73e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	5.98e-03	-7.98e-03	-2.28e-03	2.78e-04	6.86e-03
		36	0.18	0.29	0.23	0.25	0.28	-0.03	5.37e-03	-8.59e-03	-3.57e-03	3.51e-04	-6.70e-03
35	40	35	0.12	0.17	0.13	0.16	0.14	-0.01	2.67e-03	-0.01	-5.73e-03	-2.87e-03	6.82e-03

		43	0.18	0.26	0.02	0.14	0.14	-0.12	4.81e-03	-8.56e-03	-1.97e-03	-1.78e-03	-6.69e-03
		44	0.18	0.29	0.21	0.21	0.29	0.02	6.05e-03	-8.13e-03	-2.56e-03	4.73e-04	6.93e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.32e-03	-8.63e-03	-3.85e-03	5.43e-04	-6.62e-03
35	41	35	0.11	0.16	0.12	0.15	0.13	-0.02	2.92e-03	-0.01	-5.36e-03	-2.66e-03	6.80e-03
		43	0.19	0.25	-1.39e-04	0.12	0.13	-0.13	5.15e-03	-8.28e-03	-1.59e-03	-1.54e-03	-6.72e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	5.98e-03	-7.96e-03	-2.28e-03	3.02e-04	6.85e-03
		36	0.18	0.29	0.23	0.25	0.28	-0.03	5.35e-03	-8.57e-03	-3.57e-03	5.43e-04	-6.68e-03
35	42	35	0.12	0.17	0.13	0.16	0.14	-0.01	2.69e-03	-0.01	-5.71e-03	-2.86e-03	6.83e-03
		43	0.18	0.26	0.02	0.14	0.14	-0.12	4.83e-03	-8.53e-03	-1.94e-03	-1.76e-03	-6.68e-03
		44	0.18	0.29	0.21	0.21	0.29	0.02	6.06e-03	-8.11e-03	-2.55e-03	4.98e-04	6.92e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.31e-03	-8.62e-03	-3.85e-03	5.43e-04	-6.61e-03
35	43	35	0.12	0.16	0.12	0.15	0.13	-0.02	2.77e-03	-0.01	-5.42e-03	-2.86e-03	6.79e-03
		43	0.19	0.26	-2.14e-03	0.13	0.13	-0.13	5.01e-03	-8.45e-03	-1.65e-03	-1.79e-03	-6.73e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	5.95e-03	-8.01e-03	-2.33e-03	2.76e-04	6.86e-03
		36	0.18	0.29	0.23	0.25	0.28	-0.03	5.35e-03	-8.62e-03	-3.63e-03	3.58e-04	-6.70e-03
35	44	35	0.12	0.17	0.13	0.16	0.14	-9.97e-03	2.81e-03	-0.01	-5.69e-03	-2.67e-03	6.82e-03
		43	0.18	0.25	0.02	0.14	0.13	-0.12	4.94e-03	-8.43e-03	-1.92e-03	-1.57e-03	-6.68e-03
		44	0.18	0.30	0.20	0.21	0.29	0.03	6.08e-03	-8.10e-03	-2.50e-03	4.75e-04	6.93e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.80e-03	5.37e-04	-6.62e-03
35	45	35	0.12	0.16	0.12	0.15	0.13	-0.02	2.78e-03	-0.01	-5.40e-03	-2.86e-03	6.80e-03
		43	0.19	0.26	-2.07e-03	0.13	0.13	-0.13	5.03e-03	-8.42e-03	-1.63e-03	-1.76e-03	-6.72e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	5.96e-03	-7.99e-03	-2.33e-03	3.01e-04	6.85e-03
		36	0.18	0.29	0.23	0.25	0.28	-0.03	5.34e-03	-8.61e-03	-3.63e-03	3.58e-04	-6.68e-03
35	46	35	0.12	0.17	0.13	0.16	0.14	-9.94e-03	2.82e-03	-0.01	-5.67e-03	-2.67e-03	6.83e-03
		43	0.18	0.25	0.02	0.14	0.13	-0.12	4.95e-03	-8.40e-03	-1.90e-03	-1.54e-03	-6.67e-03
		44	0.18	0.30	0.20	0.21	0.29	0.03	6.08e-03	-8.08e-03	-2.50e-03	4.99e-04	6.92e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.32e-03	-8.58e-03	-3.80e-03	5.37e-04	-6.61e-03
35	47	35	0.11	0.16	0.12	0.15	0.13	-0.02	2.91e-03	-0.01	-5.37e-03	-2.67e-03	6.80e-03
		43	0.19	0.25	-1.63e-04	0.12	0.13	-0.13	5.13e-03	-8.31e-03	-1.61e-03	-1.57e-03	-6.72e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	5.97e-03	-7.97e-03	-2.28e-03	2.78e-04	6.85e-03
		36	0.18	0.29	0.23	0.25	0.28	-0.03	5.35e-03	-8.58e-03	-3.58e-03	3.51e-04	-6.68e-03
35	48	35	0.12	0.17	0.13	0.16	0.14	-0.01	2.68e-03	-0.01	-5.73e-03	-2.87e-03	6.83e-03
		43	0.18	0.26	0.02	0.14	0.14	-0.12	4.80e-03	-8.55e-03	-1.97e-03	-1.78e-03	-6.68e-03
		44	0.18	0.29	0.21	0.21	0.29	0.02	6.04e-03	-8.12e-03	-2.56e-03	4.74e-04	6.92e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.31e-03	-8.62e-03	-3.85e-03	5.43e-04	-6.61e-03
35	49	35	0.11	0.16	0.12	0.15	0.13	-0.02	2.92e-03	-0.01	-5.36e-03	-2.66e-03	6.79e-03
		43	0.19	0.25	-1.77e-04	0.12	0.13	-0.13	5.16e-03	-8.29e-03	-1.59e-03	-1.54e-03	-6.73e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	6.00e-03	-7.97e-03	-2.27e-03	3.02e-04	6.86e-03
		36	0.18	0.29	0.23	0.25	0.28	-0.03	5.37e-03	-8.59e-03	-3.57e-03	3.52e-04	-6.70e-03
35	50	35	0.12	0.17	0.13	0.16	0.14	-0.01	2.68e-03	-0.01	-5.71e-03	-2.86e-03	6.82e-03
		43	0.18	0.26	0.02	0.14	0.14	-0.12	4.84e-03	-8.54e-03	-1.95e-03	-1.76e-03	-6.69e-03
		44	0.18	0.29	0.21	0.21	0.29	0.02	6.07e-03	-8.12e-03	-2.55e-03	4.98e-04	6.93e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.32e-03	-8.63e-03	-3.85e-03	5.43e-04	-6.62e-03
35	51	35	0.12	0.16	0.12	0.15	0.13	-0.02	2.78e-03	-0.01	-5.42e-03	-2.86e-03	6.80e-03
		43	0.19	0.26	-2.10e-03	0.13	0.13	-0.13	5.01e-03	-8.44e-03	-1.65e-03	-1.79e-03	-6.72e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	5.94e-03	-8.00e-03	-2.34e-03	2.77e-04	6.85e-03
		36	0.18	0.29	0.23	0.25	0.28	-0.03	5.34e-03	-8.61e-03	-3.63e-03	3.57e-04	-6.68e-03
35	52	35	0.12	0.17	0.13	0.16	0.14	-9.93e-03	2.82e-03	-0.01	-5.68e-03	-2.67e-03	6.83e-03
		43	0.18	0.25	0.02	0.14	0.13	-0.12	4.93e-03	-8.42e-03	-1.92e-03	-1.57e-03	-6.67e-03
		44	0.18	0.30	0.20	0.21	0.29	0.03	6.06e-03	-8.09e-03	-2.51e-03	4.75e-04	6.92e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.32e-03	-8.59e-03	-3.80e-03	5.37e-04	-6.61e-03
35	53	35	0.12	0.16	0.12	0.15	0.13	-0.02	2.78e-03	-0.01	-5.40e-03	-2.86e-03	6.79e-03
		43	0.19	0.26	-2.11e-03	0.13	0.13	-0.13	5.04e-03	-8.43e-03	-1.63e-03	-1.76e-03	-6.73e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	5.97e-03	-8.00e-03	-2.33e-03	3.01e-04	6.86e-03
		36	0.18	0.29	0.23	0.25	0.28	-0.03	5.35e-03	-8.62e-03	-3.63e-03	3.58e-04	-6.70e-03
35	54	35	0.12	0.17	0.13	0.16	0.14	-9.98e-03	2.82e-03	-0.01	-5.67e-03	-2.67e-03	6.82e-03
		43	0.18	0.25	0.02	0.14	0.13	-0.12	4.96e-03	-8.41e-03	-1.90e-03	-1.54e-03	-6.68e-03
		44	0.18	0.30	0.20	0.21	0.29	0.03	6.09e-03	-8.09e-03	-2.50e-03	4.99e-04	6.93e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.80e-03	5.37e-04	-6.62e-03
35	55	35	0.11	0.16	0.10	0.14	0.12	-0.02	3.19e-03	-0.01	-4.95e-03	-2.43e-03	6.76e-03
		43	0.19	0.25	-0.02	0.11	0.12	-0.13	5.52e-03	-8.02e-03	-1.18e-03	-1.31e-03	-6.77e-03
		44	0.16	0.28	0.21	0.21	0.27	0.01	5.91e-03	-7.80e-03	-1.96e-03	5.78e-05	6.78e-03
		36	0.17	0.29	0.22	0.24	0.27	-0.03	5.42e-03	-8.55e-03	-3.25e-03	1.28e-04	-6.78e-03
35	56	35	0.12	0.18	0.15	0.18	0.15	-5.86e-03	2.40e-03	-0.01	-6.14e-03	-3.10e-03	6.86e-03
		43	0.18	0.26	0.03	0.15	0.15	-0.11	4.44e-03	-8.84e-03	-2.38e-03	-2.02e-03	-6.63e-03
		44	0.18	0.31	0.20	0.21	0.29	0.03	6.14e-03	-8.31e-03	-2.88e-03	7.10e-04	7.00e-03
		36	0.18	0.30	0.25	0.25	0.29	-0.01	5.28e-03	-8.69e-03	-4.18e-03	7.67e-04	-6.53e-03
35	57	35	0.11	0.16	0.10	0.14	0.12	-0.02	3.20e-03	-0.01	-4.95e-03	-2.43e-03	6.77e-03
		43	0.19	0.25	-0.02	0.11	0.12	-0.13	5.53e-03	-8.01e-03	-1.18e-03	-1.31e-03	-6.77e-03
		44	0.16	0.28	0.21	0.21	0.27	0.01	5.91e-03	-7.80e-03	-1.95e-03	6.52e-05	6.78e-03
		36	0.17	0.29	0.22	0.24	0.27	-0.03	5.42e-03	-8.54e-03	-3.25e-03	1.28e-04	-6.77e-03
35	58	35	0.12	0.18	0.15	0.18	0.15	-5.85e-03	2.40e-03	-0.01	-6.13e-03	-3.10e-03	6.86e-03
		43	0.18	0.26	0.03	0.15	0.15	-0.11	4.44e-03	-8.83e-03	-2.37e-03	-2.01e-03	-6.63e-03
		44	0.18	0.31	0.20	0.21	0.29	0.03	6.15e-03	-8.30e-03	-2.88e-03	7.18e-04	7.00e-03
		36	0.18	0.30	0.25	0.25	0.29	-0.01	5.27e-03	-8.68e-03	-4.18e-03	7.67e-04	-6.53e-03
35	59	35	0.11	0.16	0.10	0.14	0.12	-0.02	3.19e-03	-0.01	-4.95e-03	-2.43e-03	6.77e-03
		43	0.19	0.25	-0.02	0.11	0.12	-0.13	5.52e-03	-8.02e-03	-1.18e-03	-1.31e-03	-6.77e-03

		44	0.16	0.28	0.21	0.21	0.27	0.01	5.90e-03	-7.80e-03	-1.96e-03	5.79e-05	6.78e-03
		36	0.17	0.29	0.22	0.24	0.27	-0.03	5.42e-03	-8.54e-03	-3.25e-03	1.28e-04	-6.77e-03
35	60	35	0.12	0.18	0.15	0.18	0.15	-5.85e-03	2.40e-03	-0.01	-6.14e-03	-3.10e-03	6.86e-03
		43	0.18	0.26	0.03	0.15	0.15	-0.11	4.44e-03	-8.83e-03	-2.38e-03	-2.02e-03	-6.63e-03
		44	0.18	0.31	0.20	0.21	0.29	0.03	6.14e-03	-8.31e-03	-2.88e-03	7.11e-04	7.00e-03
		36	0.18	0.30	0.25	0.25	0.29	-0.01	5.27e-03	-8.69e-03	-4.18e-03	7.67e-04	-6.53e-03
35	61	35	0.11	0.16	0.10	0.14	0.12	-0.02	3.19e-03	-0.01	-4.95e-03	-2.43e-03	6.76e-03
		43	0.19	0.25	-0.02	0.11	0.12	-0.13	5.53e-03	-8.01e-03	-1.18e-03	-1.31e-03	-6.77e-03
		44	0.16	0.28	0.21	0.21	0.27	0.01	5.91e-03	-7.80e-03	-1.95e-03	6.51e-05	6.78e-03
		36	0.17	0.29	0.22	0.24	0.27	-0.03	5.42e-03	-8.54e-03	-3.25e-03	1.28e-04	-6.78e-03
35	62	35	0.12	0.18	0.15	0.18	0.15	-5.86e-03	2.40e-03	-0.01	-6.13e-03	-3.10e-03	6.85e-03
		43	0.18	0.26	0.03	0.15	0.15	-0.11	4.45e-03	-8.83e-03	-2.37e-03	-2.01e-03	-6.63e-03
		44	0.18	0.31	0.20	0.21	0.29	0.03	6.15e-03	-8.31e-03	-2.88e-03	7.18e-04	7.00e-03
		36	0.18	0.30	0.25	0.25	0.29	-0.01	5.28e-03	-8.69e-03	-4.18e-03	7.67e-04	-6.53e-03
35	63	35	0.12	0.16	0.09	0.14	0.12	-0.03	2.74e-03	-0.01	-5.10e-03	-3.09e-03	6.76e-03
		43	0.20	0.26	-0.02	0.11	0.12	-0.14	5.12e-03	-8.48e-03	-2.32e-03	-2.03e-03	-6.79e-03
		44	0.17	0.28	0.21	0.21	0.28	3.62e-03	5.82e-03	-7.90e-03	-2.13e-03	5.34e-05	6.77e-03
		36	0.18	0.30	0.21	0.24	0.27	-0.04	5.37e-03	-8.65e-03	-3.43e-03	1.49e-04	-6.78e-03
35	64	35	0.12	0.18	0.15	0.18	0.15	2.59e-03	2.87e-03	-0.01	-5.99e-03	-2.44e-03	6.86e-03
		43	0.17	0.25	0.04	0.15	0.14	-0.11	4.87e-03	-8.40e-03	-2.23e-03	-1.31e-03	-6.62e-03
		44	0.18	0.31	0.20	0.21	0.29	0.04	6.22e-03	-8.21e-03	-2.70e-03	7.15e-04	7.01e-03
		36	0.18	0.29	0.25	0.25	0.29	-4.58e-03	5.32e-03	-8.57e-03	-4.00e-03	7.46e-04	-6.53e-03
35	65	35	0.12	0.16	0.09	0.14	0.12	-0.03	2.74e-03	-0.01	-5.10e-03	-3.09e-03	6.76e-03
		43	0.20	0.26	-0.02	0.11	0.12	-0.14	5.12e-03	-8.47e-03	-2.32e-03	-2.02e-03	-6.79e-03
		44	0.17	0.28	0.21	0.21	0.28	3.63e-03	5.82e-03	-7.89e-03	-2.13e-03	6.08e-05	6.77e-03
		36	0.18	0.30	0.21	0.24	0.27	-0.04	5.37e-03	-8.65e-03	-3.43e-03	1.49e-04	-6.77e-03
35	66	35	0.12	0.18	0.15	0.18	0.15	2.60e-03	2.88e-03	-0.01	-5.98e-03	-2.44e-03	6.86e-03
		43	0.17	0.25	0.04	0.15	0.14	-0.11	4.87e-03	-8.39e-03	-2.22e-03	-1.30e-03	-6.62e-03
		44	0.18	0.31	0.20	0.21	0.29	0.04	6.22e-03	-8.20e-03	-2.70e-03	7.22e-04	7.01e-03
		36	0.18	0.29	0.25	0.25	0.29	-4.57e-03	5.32e-03	-8.57e-03	-4.00e-03	7.46e-04	-6.53e-03
35	67	35	0.12	0.16	0.09	0.14	0.12	-0.03	2.74e-03	-0.01	-5.10e-03	-3.09e-03	6.76e-03
		43	0.20	0.26	-0.02	0.11	0.12	-0.14	5.12e-03	-8.48e-03	-2.32e-03	-2.03e-03	-6.79e-03
		44	0.17	0.28	0.21	0.21	0.28	3.63e-03	5.82e-03	-7.90e-03	-2.13e-03	5.35e-05	6.77e-03
		36	0.18	0.30	0.21	0.24	0.27	-0.04	5.37e-03	-8.65e-03	-3.43e-03	1.49e-04	-6.78e-03
35	68	35	0.12	0.18	0.15	0.18	0.15	2.60e-03	2.87e-03	-0.01	-5.99e-03	-2.44e-03	6.86e-03
		43	0.17	0.25	0.04	0.15	0.14	-0.11	4.86e-03	-8.40e-03	-2.23e-03	-1.31e-03	-6.62e-03
		44	0.18	0.31	0.20	0.21	0.29	0.04	6.22e-03	-8.21e-03	-2.70e-03	7.15e-04	7.01e-03
		36	0.18	0.29	0.25	0.25	0.29	-4.57e-03	5.32e-03	-8.57e-03	-4.00e-03	7.46e-04	-6.53e-03
35	69	35	0.12	0.16	0.09	0.14	0.12	-0.03	2.74e-03	-0.01	-5.10e-03	-3.09e-03	6.76e-03
		43	0.20	0.26	-0.02	0.11	0.12	-0.14	5.13e-03	-8.47e-03	-2.32e-03	-2.02e-03	-6.79e-03
		44	0.17	0.28	0.21	0.21	0.28	3.62e-03	5.82e-03	-7.89e-03	-2.13e-03	6.07e-05	6.77e-03
		36	0.18	0.30	0.21	0.24	0.27	-0.04	5.37e-03	-8.65e-03	-3.43e-03	1.49e-04	-6.78e-03
35	70	35	0.12	0.18	0.15	0.18	0.15	2.59e-03	2.87e-03	-0.01	-5.98e-03	-2.44e-03	6.86e-03
		43	0.17	0.25	0.04	0.15	0.14	-0.11	4.87e-03	-8.40e-03	-2.22e-03	-1.30e-03	-6.62e-03
		44	0.18	0.31	0.20	0.21	0.29	0.04	6.23e-03	-8.21e-03	-2.70e-03	7.22e-04	7.01e-03
		36	0.18	0.29	0.25	0.25	0.29	-4.58e-03	5.32e-03	-8.57e-03	-4.00e-03	7.46e-04	-6.53e-03
35	71	35	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		43	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
35	72	35	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		43	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
35	73	35	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		43	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
35	74	35	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		43	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
35	75	35	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		43	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
35	76	35	0.12	0.17	0.12	0.16	0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		43	0.19	0.25	7.55e-03	0.13	0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
		44	0.17	0.29	0.21	0.21	0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		36	0.18	0.29	0.24	0.25	0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
36	1	36	0.23	0.38	0.31	0.32	0.36	0.03	6.94e-03	-0.01	-4.83e-03	5.82e-04	8.65e-03
		44	0.22	0.38	0.27	0.28	0.37	-0.03	7.82e-03	-0.01	-3.14e-03	5.04e-04	-8.96e-03
		45	0.24	0.33	9.81e-03	0.17	0.17	0.16	6.48e-03	-0.01	-2.31e-03	-2.16e-03	8.71e-03
		37	0.15	0.22	0.16	0.21	0.17	0.02	3.64e-03	-0.01	-7.21e-03	-3.59e-03	-8.85e-03
36	2	36	0.23	0.38	0.31	0.32	0.36	0.03	6.94e-03	-0.01	-4.83e-03	5.82e-04	8.65e-03
		44	0.22	0.38	0.27	0.28	0.37	-0.03	7.82e-03	-0.01	-3.14e-03	5.04e-04	-8.96e-03
		45	0.24	0.33	9.81e-03	0.17	0.17	0.16	6.48e-03	-0.01	-2.31e-03	-2.16e-03	8.71e-03

		37	0.15	0.22	0.16	0.21	0.17	0.02	3.64e-03	-0.01	-7.21e-03	-3.59e-03	-8.85e-03
36	3	36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
		45	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		37	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
36	4	36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
		45	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		37	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
36	5	36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
		45	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		37	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
36	6	36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
		45	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		37	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
36	7	36	20.71	32.23	0.88	5.05	28.07	10.64	0.06	-0.08	-0.02	6.59e-03	0.07
		44	20.80	32.36	0.83	5.03	28.15	-10.72	0.11	-0.04	0.05	0.02	-0.07
		45	20.74	32.32	0.86	5.10	28.08	10.74	0.10	-0.04	0.05	9.17e-03	0.07
		37	20.63	32.16	0.96	5.13	27.99	-10.62	0.05	-0.09	-0.03	-6.37e-03	-0.07
36	8	36	3.21	0.18	-4.85	-0.45	-4.22	-1.67	6.38e-03	-9.84e-03	-4.18e-03	7.19e-04	7.73e-03
		44	3.24	0.16	-4.89	-0.51	-4.22	1.71	2.10e-03	-0.02	-0.02	-3.38e-03	-9.74e-03
		45	3.19	-0.20	-4.99	-0.80	-4.40	-1.58	-3.56e-03	-0.04	-0.01	-0.04	0.02
		37	3.30	-0.10	-5.08	-0.80	-4.38	1.72	-7.78e-03	-0.05	-9.72e-03	-0.04	-8.45e-03
36	9	36	22.61	35.17	0.94	5.49	30.63	11.62	0.07	-0.08	-0.02	7.13e-03	0.07
		44	22.70	35.31	0.89	5.48	30.72	-11.70	0.12	-0.04	0.06	0.02	-0.08
		45	22.64	35.28	0.93	5.56	30.65	11.72	0.11	-0.05	0.05	0.01	0.08
		37	22.52	35.11	1.03	5.59	30.55	-11.60	0.06	-0.09	-0.03	-6.67e-03	-0.07
36	10	36	1.36	0.24	-1.91	-0.01	-1.66	-0.69	0.01	-0.02	-5.76e-03	1.26e-03	0.01
		44	1.37	0.22	-1.94	-0.06	-1.66	0.72	0.01	-0.02	-0.01	-1.49e-03	-0.02
		45	1.30	-0.13	-2.04	-0.34	-1.82	-0.60	5.20e-03	-0.05	-5.82e-03	-0.04	0.02
		37	1.41	-0.03	-2.13	-0.34	-1.82	0.75	-6.55e-03	-0.05	-0.01	-0.04	-0.01
36	11	36	20.71	32.22	0.89	5.05	28.07	10.63	0.06	-0.08	-0.02	6.57e-03	0.07
		44	20.80	32.36	0.83	5.03	28.15	-10.72	0.11	-0.04	0.05	0.02	-0.07
		45	20.73	32.31	0.86	5.10	28.07	10.74	0.10	-0.04	0.05	9.75e-03	0.07
		37	20.63	32.17	0.95	5.13	27.99	-10.63	0.05	-0.09	-0.03	-5.84e-03	-0.07
36	12	36	3.21	0.17	-4.84	-0.45	-4.22	-1.66	6.35e-03	-9.93e-03	-4.31e-03	7.35e-04	7.74e-03
		44	3.24	0.17	-4.89	-0.51	-4.22	1.72	2.06e-03	-0.02	-0.02	-3.39e-03	-9.74e-03
		45	3.19	-0.20	-4.99	-0.80	-4.39	-1.58	-3.75e-03	-0.04	-0.01	-0.04	0.02
		37	3.31	-0.10	-5.08	-0.80	-4.38	1.73	-7.93e-03	-0.05	-9.85e-03	-0.05	-8.45e-03
36	13	36	22.60	35.17	0.95	5.49	30.63	11.61	0.07	-0.08	-0.02	7.11e-03	0.07
		44	22.70	35.31	0.88	5.48	30.72	-11.71	0.12	-0.04	0.06	0.02	-0.08
		45	22.63	35.27	0.94	5.56	30.65	11.72	0.11	-0.05	0.06	0.01	0.08
		37	22.53	35.12	1.02	5.59	30.55	-11.61	0.06	-0.09	-0.03	-6.13e-03	-0.07
36	14	36	1.35	0.23	-1.90	-0.01	-1.66	-0.68	0.01	-0.02	-5.90e-03	1.28e-03	0.01
		44	1.38	0.22	-1.94	-0.06	-1.65	0.73	0.01	-0.02	-0.01	-1.49e-03	-0.02
		45	1.30	-0.13	-2.03	-0.34	-1.82	-0.60	5.00e-03	-0.05	-5.94e-03	-0.04	0.02
		37	1.42	-0.03	-2.13	-0.34	-1.82	0.75	-6.73e-03	-0.05	-0.01	-0.05	-0.01
36	15	36	20.71	32.23	0.88	5.05	28.07	10.64	0.06	-0.08	-0.02	6.59e-03	0.07
		44	20.80	32.36	0.83	5.03	28.15	-10.72	0.11	-0.04	0.05	0.02	-0.07
		45	20.74	32.32	0.86	5.10	28.08	10.74	0.10	-0.04	0.05	9.18e-03	0.07
		37	20.63	32.16	0.96	5.13	27.99	-10.62	0.05	-0.09	-0.03	-6.37e-03	-0.07
36	16	36	3.21	0.18	-4.85	-0.45	-4.22	-1.67	6.42e-03	-9.88e-03	-4.17e-03	7.19e-04	7.78e-03
		44	3.24	0.16	-4.89	-0.51	-4.22	1.71	2.14e-03	-0.02	-0.02	-3.38e-03	-9.78e-03
		45	3.19	-0.20	-4.99	-0.80	-4.40	-1.58	-3.54e-03	-0.04	-0.01	-0.04	0.02
		37	3.30	-0.10	-5.08	-0.80	-4.38	1.73	-7.79e-03	-0.05	-9.72e-03	-0.04	-8.44e-03
36	17	36	22.61	35.17	0.94	5.49	30.63	11.62	0.07	-0.08	-0.02	7.13e-03	0.07
		44	22.70	35.31	0.89	5.48	30.72	-11.70	0.12	-0.04	0.06	0.02	-0.08
		45	22.64	35.28	0.93	5.56	30.65	11.72	0.11	-0.05	0.05	0.01	0.08
		37	22.52	35.11	1.03	5.59	30.55	-11.60	0.06	-0.09	-0.03	-6.67e-03	-0.07
36	18	36	1.36	0.24	-1.91	-0.01	-1.66	-0.69	0.01	-0.02	-5.77e-03	1.26e-03	0.01
		44	1.37	0.22	-1.94	-0.06	-1.66	0.72	0.01	-0.02	-0.01	-1.49e-03	-0.02
		45	1.30	-0.13	-2.04	-0.34	-1.82	-0.60	5.18e-03	-0.05	-5.83e-03	-0.04	0.02
		37	1.41	-0.03	-2.13	-0.34	-1.82	0.75	-6.54e-03	-0.05	-0.01	-0.04	-0.01
36	19	36	20.71	32.22	0.89	5.05	28.07	10.63	0.06	-0.08	-0.02	6.57e-03	0.07
		44	20.80	32.36	0.83	5.03	28.15	-10.72	0.11	-0.04	0.05	0.02	-0.07
		45	20.73	32.31	0.86	5.10	28.07	10.74	0.10	-0.04	0.05	9.76e-03	0.07
		37	20.63	32.17	0.95	5.13	27.99	-10.63	0.05	-0.09	-0.03	-5.84e-03	-0.07
36	20	36	3.21	0.17	-4.84	-0.45	-4.22	-1.66	6.39e-03	-9.96e-03	-4.31e-03	7.35e-04	7.78e-03
		44	3.24	0.17	-4.89	-0.51	-4.22	1.72	2.09e-03	-0.02	-0.02	-3.38e-03	-9.77e-03
		45	3.19	-0.20	-4.99	-0.80	-4.39	-1.58	-3.73e-03	-0.04	-0.01	-0.04	0.02
		37	3.31	-0.10	-5.08	-0.80	-4.38	1.73	-7.94e-03	-0.05	-9.85e-03	-0.05	-8.43e-03
36	21	36	22.60	35.17	0.95	5.49	30.63	11.61	0.07	-0.08	-0.02	7.11e-03	0.07
		44	22.70	35.31	0.88	5.48	30.72	-11.71	0.12	-0.04	0.06	0.02	-0.08
		45	22.63	35.27	0.94	5.56	30.65	11.72	0.11	-0.05	0.06	0.01	0.08
		37	22.53	35.12	1.02	5.59	30.55	-11.61	0.06	-0.09	-0.03	-6.13e-03	-0.07

36	22	36	1.35	0.23	-1.90	-0.01	-1.66	-0.68	0.01	-0.02	-5.90e-03	1.28e-03	0.01
		44	1.38	0.22	-1.94	-0.06	-1.65	0.73	0.01	-0.02	-0.01	-1.50e-03	-0.02
		45	1.30	-0.13	-2.03	-0.34	-1.82	-0.60	4.98e-03	-0.05	-5.95e-03	-0.04	0.02
		37	1.42	-0.03	-2.13	-0.34	-1.82	0.75	-6.72e-03	-0.05	-0.01	-0.05	-0.01
36	23	36	78.79	122.38	2.70	18.59	106.49	40.61	0.22	-0.26	-0.07	0.02	0.24
		44	79.09	122.86	2.59	18.64	106.81	-40.90	0.40	-0.12	0.21	0.08	-0.25
		45	78.88	122.92	3.15	19.13	106.95	40.72	0.38	-0.14	0.20	0.04	0.25
		37	78.71	122.58	3.18	19.15	106.61	-40.65	0.19	-0.29	-0.09	-0.02	-0.24
36	24	36	1.06	0.38	-1.23	0.26	-1.12	-0.41	0.04	-0.05	-0.01	4.23e-03	0.04
		44	1.12	0.36	-1.30	0.18	-1.11	0.52	0.04	-0.06	-0.02	-2.38e-03	-0.05
		45	1.00	-0.39	-1.44	-0.54	-1.29	-0.36	0.03	-0.15	-5.86e-03	-0.11	0.07
		37	1.12	-0.34	-1.57	-0.61	-1.30	0.51	-0.02	-0.16	-0.03	-0.14	-0.04
36	25	36	79.36	123.26	2.72	18.73	107.25	40.90	0.22	-0.27	-0.07	0.02	0.24
		44	79.66	123.74	2.61	18.77	107.58	-41.19	0.40	-0.12	0.21	0.08	-0.25
		45	79.45	123.81	3.17	19.27	107.72	41.02	0.38	-0.14	0.20	0.04	0.25
		37	79.28	123.46	3.20	19.29	107.38	-40.94	0.19	-0.30	-0.09	-0.02	-0.24
36	26	36	0.55	0.41	-0.37	0.40	-0.35	-0.12	0.04	-0.05	-0.01	4.40e-03	0.04
		44	0.61	0.38	-0.41	0.31	-0.34	0.22	0.04	-0.06	-0.02	-1.82e-03	-0.05
		45	0.58	-0.37	-0.55	-0.40	-0.52	-0.07	0.03	-0.15	-4.40e-03	-0.11	0.07
		37	0.61	-0.28	-0.72	-0.47	-0.53	0.22	-0.02	-0.16	-0.03	-0.14	-0.04
36	27	36	78.79	122.38	2.70	18.59	106.49	40.61	0.22	-0.26	-0.07	0.02	0.24
		44	79.09	122.86	2.59	18.64	106.81	-40.90	0.40	-0.12	0.21	0.08	-0.25
		45	78.88	122.92	3.15	19.13	106.95	40.72	0.38	-0.14	0.20	0.04	0.25
		37	78.71	122.58	3.18	19.15	106.61	-40.64	0.19	-0.29	-0.09	-0.02	-0.24
36	28	36	1.06	0.38	-1.23	0.26	-1.12	-0.41	0.04	-0.05	-0.01	4.23e-03	0.04
		44	1.12	0.36	-1.30	0.18	-1.11	0.52	0.04	-0.06	-0.02	-2.38e-03	-0.05
		45	1.00	-0.39	-1.44	-0.54	-1.29	-0.36	0.03	-0.15	-5.86e-03	-0.11	0.07
		37	1.12	-0.34	-1.57	-0.61	-1.30	0.51	-0.02	-0.16	-0.03	-0.14	-0.04
36	29	36	79.36	123.26	2.72	18.73	107.25	40.90	0.22	-0.27	-0.07	0.02	0.24
		44	79.66	123.74	2.61	18.77	107.58	-41.19	0.40	-0.12	0.21	0.08	-0.25
		45	79.45	123.81	3.17	19.27	107.72	41.02	0.38	-0.14	0.20	0.04	0.25
		37	79.28	123.46	3.20	19.29	107.38	-40.94	0.19	-0.30	-0.09	-0.02	-0.24
36	30	36	0.55	0.41	-0.37	0.40	-0.35	-0.12	0.04	-0.05	-0.01	4.39e-03	0.04
		44	0.61	0.38	-0.41	0.31	-0.34	0.22	0.04	-0.06	-0.02	-1.82e-03	-0.05
		45	0.58	-0.37	-0.55	-0.40	-0.52	-0.07	0.03	-0.15	-4.40e-03	-0.11	0.07
		37	0.61	-0.28	-0.72	-0.47	-0.53	0.22	-0.02	-0.16	-0.03	-0.14	-0.04
36	31	36	78.77	122.36	2.72	18.59	106.49	40.59	0.22	-0.26	-0.07	0.02	0.24
		44	79.10	122.87	2.57	18.64	106.80	-40.92	0.40	-0.12	0.21	0.08	-0.25
		45	78.86	122.90	3.16	19.13	106.94	40.70	0.38	-0.14	0.20	0.04	0.25
		37	78.73	122.59	3.16	19.15	106.61	-40.67	0.19	-0.29	-0.09	-0.01	-0.24
36	32	36	1.05	0.36	-1.22	0.26	-1.12	-0.39	0.04	-0.05	-0.01	4.29e-03	0.04
		44	1.14	0.38	-1.30	0.18	-1.11	0.54	0.04	-0.06	-0.02	-2.40e-03	-0.05
		45	0.99	-0.41	-1.42	-0.54	-1.29	-0.34	0.03	-0.15	-6.26e-03	-0.12	0.07
		37	1.13	-0.31	-1.59	-0.61	-1.30	0.54	-0.02	-0.16	-0.03	-0.15	-0.04
36	33	36	79.34	123.24	2.74	18.73	107.25	40.88	0.22	-0.27	-0.07	0.02	0.24
		44	79.67	123.75	2.59	18.77	107.57	-41.22	0.40	-0.12	0.21	0.08	-0.25
		45	79.43	123.79	3.18	19.26	107.71	41.00	0.38	-0.14	0.20	0.04	0.25
		37	79.30	123.48	3.18	19.29	107.38	-40.96	0.19	-0.30	-0.09	-0.01	-0.24
36	34	36	0.54	0.41	-0.37	0.40	-0.35	-0.09	0.04	-0.05	-0.01	4.45e-03	0.04
		44	0.63	0.39	-0.42	0.31	-0.34	0.25	0.04	-0.06	-0.02	-1.83e-03	-0.05
		45	0.59	-0.38	-0.53	-0.40	-0.51	-0.05	0.03	-0.15	-4.80e-03	-0.12	0.07
		37	0.62	-0.25	-0.74	-0.47	-0.53	0.24	-0.02	-0.16	-0.03	-0.15	-0.04
36	35	36	78.77	122.36	2.72	18.59	106.49	40.59	0.22	-0.26	-0.07	0.02	0.24
		44	79.10	122.87	2.57	18.64	106.80	-40.92	0.40	-0.12	0.21	0.08	-0.25
		45	78.86	122.90	3.16	19.13	106.94	40.70	0.38	-0.14	0.20	0.04	0.25
		37	78.73	122.59	3.16	19.15	106.61	-40.67	0.19	-0.29	-0.09	-0.01	-0.24
36	36	36	1.05	0.36	-1.22	0.26	-1.12	-0.39	0.04	-0.05	-0.01	4.29e-03	0.04
		44	1.14	0.38	-1.30	0.18	-1.11	0.54	0.04	-0.06	-0.02	-2.40e-03	-0.05
		45	0.99	-0.41	-1.42	-0.54	-1.29	-0.34	0.03	-0.15	-6.26e-03	-0.12	0.07
		37	1.13	-0.31	-1.59	-0.61	-1.30	0.54	-0.02	-0.16	-0.03	-0.15	-0.04
36	37	36	79.34	123.24	2.74	18.73	107.25	40.88	0.22	-0.27	-0.07	0.02	0.24
		44	79.67	123.75	2.59	18.77	107.57	-41.22	0.40	-0.12	0.21	0.08	-0.25
		45	79.43	123.79	3.18	19.26	107.71	40.99	0.38	-0.14	0.20	0.04	0.25
		37	79.30	123.48	3.18	19.29	107.38	-40.96	0.19	-0.30	-0.09	-0.01	-0.24
36	38	36	0.54	0.41	-0.37	0.40	-0.35	-0.09	0.04	-0.05	-0.01	4.45e-03	0.04
		44	0.63	0.39	-0.42	0.31	-0.34	0.25	0.04	-0.06	-0.02	-1.83e-03	-0.05
		45	0.59	-0.38	-0.53	-0.40	-0.51	-0.05	0.03	-0.15	-4.80e-03	-0.12	0.07
		37	0.62	-0.25	-0.74	-0.47	-0.53	0.24	-0.02	-0.16	-0.03	-0.15	-0.04
36	39	36	0.18	0.29	0.24	0.25	0.28	0.02	5.31e-03	-8.62e-03	-3.85e-03	5.43e-04	6.61e-03
		44	0.18	0.29	0.21	0.21	0.29	-0.02	6.04e-03	-8.12e-03	-2.56e-03	4.73e-04	-6.92e-03
		45	0.18	0.26	0.02	0.14	0.14	0.12	4.80e-03	-8.55e-03	-1.97e-03	-1.78e-03	6.68e-03
		37	0.12	0.17	0.13	0.16	0.14	0.01	2.68e-03	-0.01	-5.73e-03	-2.87e-03	-6.83e-03
36	40	36	0.18	0.29	0.23	0.25	0.28	0.03	5.35e-03	-8.58e-03	-3.58e-03	3.51e-04	6.68e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	5.97e-03	-7.97e-03	-2.28e-03	2.77e-04	-6.85e-03
		45	0.19	0.25	-1.47e-04	0.12	0.13	0.13	5.13e-03	-8.31e-03	-1.61e-03	-1.57e-03	6.72e-03
		37	0.11	0.16	0.12	0.15	0.13	0.02	2.91e-03	-0.01	-5.38e-03	-2.67e-03	-6.80e-03
36	41	36	0.18	0.29	0.24	0.25	0.28	0.02	5.32e-03	-8.63e-03	-3.85e-03	5.43e-04	6.62e-03

		44	0.18	0.29	0.21	0.21	0.29	-0.02	6.07e-03	-8.12e-03	-2.55e-03	4.98e-04	-6.93e-03
		45	0.18	0.26	0.02	0.14	0.14	0.12	4.84e-03	-8.54e-03	-1.94e-03	-1.76e-03	6.69e-03
		37	0.12	0.17	0.13	0.16	0.14	0.01	2.68e-03	-0.01	-5.71e-03	-2.86e-03	-6.82e-03
36	42	36	0.18	0.29	0.23	0.25	0.28	0.03	5.37e-03	-8.59e-03	-3.57e-03	3.52e-04	6.70e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	6.00e-03	-7.97e-03	-2.28e-03	3.03e-04	-6.86e-03
		45	0.19	0.25	-1.66e-04	0.12	0.13	0.13	5.16e-03	-8.29e-03	-1.59e-03	-1.54e-03	6.73e-03
		37	0.11	0.16	0.12	0.15	0.13	0.02	2.92e-03	-0.01	-5.36e-03	-2.66e-03	-6.79e-03
36	43	36	0.18	0.29	0.24	0.25	0.28	0.02	5.32e-03	-8.59e-03	-3.80e-03	5.37e-04	6.61e-03
		44	0.18	0.30	0.20	0.21	0.29	-0.03	6.06e-03	-8.09e-03	-2.51e-03	4.74e-04	-6.92e-03
		45	0.18	0.25	0.02	0.14	0.13	0.12	4.93e-03	-8.42e-03	-1.92e-03	-1.57e-03	6.67e-03
		37	0.12	0.17	0.13	0.16	0.14	9.93e-03	2.82e-03	-0.01	-5.68e-03	-2.67e-03	-6.83e-03
36	44	36	0.18	0.29	0.23	0.25	0.28	0.03	5.34e-03	-8.61e-03	-3.63e-03	3.57e-04	6.68e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	5.94e-03	-8.00e-03	-2.33e-03	2.76e-04	-6.85e-03
		45	0.19	0.26	-2.09e-03	0.13	0.13	0.13	5.00e-03	-8.44e-03	-1.65e-03	-1.79e-03	6.72e-03
		37	0.12	0.16	0.12	0.15	0.13	0.02	2.78e-03	-0.01	-5.42e-03	-2.86e-03	-6.80e-03
36	45	36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.80e-03	5.37e-04	6.62e-03
		44	0.18	0.30	0.20	0.21	0.29	-0.03	6.09e-03	-8.09e-03	-2.50e-03	5.00e-04	-6.93e-03
		45	0.18	0.25	0.02	0.14	0.13	0.12	4.96e-03	-8.40e-03	-1.90e-03	-1.54e-03	6.68e-03
		37	0.12	0.17	0.13	0.16	0.14	9.98e-03	2.82e-03	-0.01	-5.67e-03	-2.67e-03	-6.82e-03
36	46	36	0.18	0.29	0.23	0.25	0.28	0.03	5.35e-03	-8.62e-03	-3.63e-03	3.58e-04	6.70e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	5.97e-03	-8.00e-03	-2.33e-03	3.01e-04	-6.86e-03
		45	0.19	0.26	-2.11e-03	0.13	0.13	0.13	5.04e-03	-8.43e-03	-1.63e-03	-1.76e-03	6.73e-03
		37	0.12	0.16	0.12	0.15	0.13	0.02	2.78e-03	-0.01	-5.40e-03	-2.86e-03	-6.79e-03
36	47	36	0.18	0.29	0.24	0.25	0.28	0.02	5.32e-03	-8.63e-03	-3.85e-03	5.43e-04	6.62e-03
		44	0.18	0.29	0.21	0.21	0.29	-0.02	6.05e-03	-8.13e-03	-2.56e-03	4.74e-04	-6.93e-03
		45	0.18	0.26	0.02	0.14	0.14	0.12	4.81e-03	-8.56e-03	-1.97e-03	-1.78e-03	6.69e-03
		37	0.12	0.17	0.13	0.16	0.14	0.01	2.67e-03	-0.01	-5.73e-03	-2.87e-03	-6.82e-03
36	48	36	0.18	0.29	0.23	0.25	0.28	0.03	5.37e-03	-8.59e-03	-3.58e-03	3.52e-04	6.70e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	5.98e-03	-7.98e-03	-2.28e-03	2.79e-04	-6.86e-03
		45	0.19	0.25	-1.87e-04	0.12	0.13	0.13	5.14e-03	-8.32e-03	-1.61e-03	-1.57e-03	6.73e-03
		37	0.11	0.16	0.12	0.15	0.13	0.02	2.91e-03	-0.01	-5.38e-03	-2.67e-03	-6.79e-03
36	49	36	0.18	0.29	0.24	0.25	0.28	0.02	5.31e-03	-8.62e-03	-3.85e-03	5.43e-04	6.61e-03
		44	0.18	0.29	0.21	0.21	0.29	-0.02	6.05e-03	-8.11e-03	-2.55e-03	4.97e-04	-6.92e-03
		45	0.18	0.26	0.02	0.14	0.14	0.12	4.83e-03	-8.53e-03	-1.94e-03	-1.76e-03	6.68e-03
		37	0.12	0.17	0.13	0.16	0.14	0.01	2.69e-03	-0.01	-5.71e-03	-2.86e-03	-6.83e-03
36	50	36	0.18	0.29	0.23	0.25	0.28	0.03	5.35e-03	-8.58e-03	-3.57e-03	3.52e-04	6.68e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	5.98e-03	-7.96e-03	-2.28e-03	3.02e-04	-6.85e-03
		45	0.19	0.25	-1.27e-04	0.12	0.13	0.13	5.15e-03	-8.29e-03	-1.59e-03	-1.55e-03	6.72e-03
		37	0.11	0.16	0.12	0.15	0.13	0.02	2.92e-03	-0.01	-5.36e-03	-2.66e-03	-6.80e-03
36	51	36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.80e-03	5.37e-04	6.62e-03
		44	0.18	0.30	0.20	0.21	0.29	-0.03	6.07e-03	-8.10e-03	-2.51e-03	4.76e-04	-6.93e-03
		45	0.18	0.25	0.02	0.14	0.13	0.12	4.94e-03	-8.43e-03	-1.92e-03	-1.57e-03	6.68e-03
		37	0.12	0.17	0.13	0.16	0.14	9.97e-03	2.81e-03	-0.01	-5.68e-03	-2.67e-03	-6.82e-03
36	52	36	0.18	0.29	0.23	0.25	0.28	0.03	5.35e-03	-8.62e-03	-3.63e-03	3.57e-04	6.70e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	5.95e-03	-8.01e-03	-2.33e-03	2.77e-04	-6.86e-03
		45	0.19	0.26	-2.13e-03	0.13	0.13	0.13	5.01e-03	-8.45e-03	-1.65e-03	-1.79e-03	6.73e-03
		37	0.12	0.16	0.12	0.15	0.13	0.02	2.77e-03	-0.01	-5.42e-03	-2.86e-03	-6.79e-03
36	53	36	0.18	0.29	0.24	0.25	0.28	0.02	5.32e-03	-8.59e-03	-3.80e-03	5.37e-04	6.61e-03
		44	0.18	0.30	0.20	0.21	0.29	-0.03	6.08e-03	-8.08e-03	-2.50e-03	4.99e-04	-6.92e-03
		45	0.18	0.25	0.02	0.14	0.13	0.12	4.95e-03	-8.40e-03	-1.90e-03	-1.54e-03	6.67e-03
		37	0.12	0.17	0.13	0.16	0.14	9.95e-03	2.83e-03	-0.01	-5.67e-03	-2.67e-03	-6.83e-03
36	54	36	0.18	0.29	0.23	0.25	0.28	0.03	5.34e-03	-8.61e-03	-3.63e-03	3.58e-04	6.68e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	5.96e-03	-7.99e-03	-2.33e-03	3.00e-04	-6.85e-03
		45	0.19	0.26	-2.07e-03	0.13	0.13	0.13	5.03e-03	-8.42e-03	-1.63e-03	-1.76e-03	6.72e-03
		37	0.12	0.16	0.12	0.15	0.13	0.02	2.78e-03	-0.01	-5.40e-03	-2.86e-03	-6.80e-03
36	55	36	0.18	0.30	0.25	0.25	0.29	0.01	5.27e-03	-8.68e-03	-4.18e-03	7.66e-04	6.53e-03
		44	0.18	0.31	0.20	0.21	0.29	-0.03	6.14e-03	-8.31e-03	-2.88e-03	7.09e-04	-7.00e-03
		45	0.18	0.26	0.03	0.15	0.15	0.11	4.44e-03	-8.83e-03	-2.37e-03	-2.02e-03	6.63e-03
		37	0.12	0.18	0.15	0.18	0.15	5.87e-03	2.40e-03	-0.01	-6.14e-03	-3.10e-03	-6.86e-03
36	56	36	0.17	0.29	0.22	0.24	0.27	0.03	5.42e-03	-8.54e-03	-3.25e-03	1.28e-04	6.77e-03
		44	0.16	0.28	0.21	0.21	0.27	-0.01	5.90e-03	-7.80e-03	-1.96e-03	5.86e-05	-6.78e-03
		45	0.19	0.25	-0.02	0.11	0.12	0.13	5.52e-03	-8.02e-03	-1.19e-03	-1.32e-03	6.77e-03
		37	0.11	0.16	0.10	0.14	0.12	0.02	3.19e-03	-0.01	-4.96e-03	-2.43e-03	-6.77e-03
36	57	36	0.18	0.30	0.25	0.25	0.29	0.01	5.28e-03	-8.69e-03	-4.17e-03	7.66e-04	6.53e-03
		44	0.18	0.31	0.20	0.21	0.29	-0.03	6.15e-03	-8.31e-03	-2.87e-03	7.17e-04	-7.00e-03
		45	0.18	0.26	0.03	0.15	0.15	0.11	4.45e-03	-8.83e-03	-2.37e-03	-2.01e-03	6.64e-03
		37	0.12	0.18	0.15	0.18	0.15	5.89e-03	2.40e-03	-0.01	-6.13e-03	-3.10e-03	-6.85e-03
36	58	36	0.17	0.29	0.22	0.24	0.27	0.03	5.42e-03	-8.55e-03	-3.25e-03	1.29e-04	6.78e-03
		44	0.16	0.28	0.21	0.21	0.27	-0.01	5.91e-03	-7.80e-03	-1.96e-03	6.63e-05	-6.78e-03
		45	0.19	0.25	-0.02	0.11	0.12	0.13	5.53e-03	-8.02e-03	-1.18e-03	-1.31e-03	6.77e-03
		37	0.11	0.16	0.10	0.14	0.12	0.02	3.19e-03	-0.01	-4.95e-03	-2.43e-03	-6.76e-03
36	59	36	0.18	0.30	0.25	0.25	0.29	0.01	5.28e-03	-8.69e-03	-4.17e-03	7.66e-04	6.53e-03
		44	0.18	0.31	0.20	0.21	0.29	-0.03	6.14e-03	-8.31e-03	-2.88e-03	7.10e-04	-7.00e-03
		45	0.18	0.26	0.03	0.15	0.15	0.11	4.44e-03	-8.83e-03	-2.37e-03	-2.02e-03	6.64e-03
		37	0.12	0.18	0.15	0.18	0.15	5.89e-03	2.40e-03	-0.01	-6.14e-03	-3.10e-03	-6.86e-03
36	60	36	0.17	0.29	0.22	0.24	0.27	0.03	5.42e-03	-8.55e-03	-3.25e-03	1.28e-04	6.78e-03
		44	0.16	0.28	0.21	0.21	0.27	-0.01	5.91e-03	-7.81e-03	-1.96e-03	5.90e-05	-6.78e-03

		45	0.19	0.25	-0.02	0.11	0.12	0.13	5.52e-03	-8.02e-03	-1.19e-03	-1.32e-03	6.77e-03
		37	0.11	0.16	0.10	0.14	0.12	0.02	3.19e-03	-0.01	-4.96e-03	-2.43e-03	-6.76e-03
36	61	36	0.18	0.30	0.25	0.25	0.29	0.01	5.28e-03	-8.68e-03	-4.17e-03	7.66e-04	6.53e-03
		44	0.18	0.31	0.20	0.21	0.29	-0.03	6.15e-03	-8.30e-03	-2.87e-03	7.17e-04	-7.00e-03
		45	0.18	0.26	0.03	0.15	0.15	0.11	4.45e-03	-8.83e-03	-2.37e-03	-2.01e-03	6.63e-03
		37	0.12	0.18	0.15	0.18	0.15	5.88e-03	2.41e-03	-0.01	-6.13e-03	-3.10e-03	-6.86e-03
36	62	36	0.17	0.29	0.22	0.24	0.27	0.03	5.42e-03	-8.54e-03	-3.25e-03	1.28e-04	6.77e-03
		44	0.16	0.28	0.21	0.21	0.27	-0.01	5.91e-03	-7.80e-03	-1.96e-03	6.58e-05	-6.78e-03
		45	0.19	0.25	-0.02	0.11	0.12	0.13	5.53e-03	-8.01e-03	-1.18e-03	-1.31e-03	6.77e-03
		37	0.11	0.16	0.10	0.14	0.12	0.02	3.19e-03	-0.01	-4.95e-03	-2.43e-03	-6.77e-03
36	63	36	0.18	0.29	0.25	0.25	0.29	4.57e-03	5.32e-03	-8.57e-03	-4.00e-03	7.46e-04	6.53e-03
		44	0.18	0.31	0.20	0.21	0.29	-0.04	6.22e-03	-8.21e-03	-2.71e-03	7.15e-04	-7.01e-03
		45	0.17	0.25	0.04	0.15	0.14	0.11	4.87e-03	-8.40e-03	-2.23e-03	-1.31e-03	6.62e-03
		37	0.12	0.18	0.15	0.18	0.15	-2.61e-03	2.88e-03	-0.01	-5.98e-03	-2.44e-03	-6.87e-03
36	64	36	0.18	0.30	0.21	0.24	0.27	0.04	5.37e-03	-8.64e-03	-3.42e-03	1.48e-04	6.78e-03
		44	0.17	0.28	0.21	0.21	0.28	-3.63e-03	5.82e-03	-7.89e-03	-2.13e-03	5.27e-05	-6.77e-03
		45	0.20	0.26	-0.02	0.11	0.12	0.14	5.11e-03	-8.48e-03	-1.33e-03	-2.03e-03	6.79e-03
		37	0.12	0.16	0.09	0.14	0.12	0.03	2.74e-03	-0.01	-5.11e-03	-3.09e-03	-6.76e-03
36	65	36	0.18	0.29	0.25	0.25	0.29	4.58e-03	5.32e-03	-8.58e-03	-4.00e-03	7.46e-04	6.53e-03
		44	0.18	0.31	0.20	0.21	0.29	-0.04	6.23e-03	-8.21e-03	-2.70e-03	7.23e-04	-7.01e-03
		45	0.17	0.25	0.04	0.15	0.14	0.11	4.88e-03	-8.39e-03	-2.22e-03	-1.30e-03	6.62e-03
		37	0.12	0.18	0.15	0.18	0.15	-2.59e-03	2.88e-03	-0.01	-5.98e-03	-2.44e-03	-6.86e-03
36	66	36	0.18	0.30	0.21	0.24	0.27	0.04	5.37e-03	-8.65e-03	-3.42e-03	1.48e-04	6.78e-03
		44	0.17	0.28	0.21	0.21	0.28	-3.62e-03	5.83e-03	-7.89e-03	-2.13e-03	6.03e-05	-6.77e-03
		45	0.20	0.26	-0.02	0.11	0.12	0.14	5.12e-03	-8.47e-03	-1.33e-03	-2.02e-03	6.79e-03
		37	0.12	0.16	0.09	0.14	0.12	0.03	2.74e-03	-0.01	-5.10e-03	-3.08e-03	-6.76e-03
36	67	36	0.18	0.29	0.25	0.25	0.29	4.58e-03	5.32e-03	-8.58e-03	-4.00e-03	7.46e-04	6.53e-03
		44	0.18	0.31	0.20	0.21	0.29	-0.04	6.22e-03	-8.21e-03	-2.71e-03	7.16e-04	-7.01e-03
		45	0.17	0.25	0.04	0.15	0.14	0.11	4.87e-03	-8.40e-03	-2.23e-03	-1.31e-03	6.62e-03
		37	0.12	0.18	0.15	0.18	0.15	-2.59e-03	2.87e-03	-0.01	-5.98e-03	-2.44e-03	-6.86e-03
36	68	36	0.18	0.30	0.21	0.24	0.27	0.04	5.37e-03	-8.65e-03	-3.42e-03	1.48e-04	6.78e-03
		44	0.17	0.28	0.21	0.21	0.28	-3.62e-03	5.82e-03	-7.90e-03	-2.13e-03	5.31e-05	-6.77e-03
		45	0.20	0.26	-0.02	0.11	0.12	0.14	5.12e-03	-8.48e-03	-1.33e-03	-2.03e-03	6.79e-03
		37	0.12	0.16	0.09	0.14	0.12	0.03	2.73e-03	-0.01	-5.11e-03	-3.09e-03	-6.76e-03
36	69	36	0.18	0.29	0.25	0.25	0.29	4.57e-03	5.32e-03	-8.57e-03	-4.00e-03	7.46e-04	6.53e-03
		44	0.18	0.31	0.20	0.21	0.29	-0.04	6.22e-03	-8.20e-03	-2.71e-03	7.23e-04	-7.01e-03
		45	0.17	0.25	0.04	0.15	0.14	0.11	4.87e-03	-8.39e-03	-2.22e-03	-1.30e-03	6.62e-03
		37	0.12	0.18	0.15	0.18	0.15	-2.60e-03	2.88e-03	-0.01	-5.98e-03	-2.44e-03	-6.87e-03
36	70	36	0.18	0.30	0.21	0.24	0.27	0.04	5.37e-03	-8.64e-03	-3.42e-03	1.48e-04	6.78e-03
		44	0.17	0.28	0.21	0.21	0.28	-3.63e-03	5.82e-03	-7.89e-03	-2.13e-03	5.99e-05	-6.77e-03
		45	0.20	0.26	-0.02	0.11	0.12	0.14	5.12e-03	-8.47e-03	-1.33e-03	-2.02e-03	6.79e-03
		37	0.12	0.16	0.09	0.14	0.12	0.03	2.74e-03	-0.01	-5.10e-03	-3.08e-03	-6.76e-03
36	71	36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
		45	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		37	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
36	72	36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
		45	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		37	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
36	73	36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
		45	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		37	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
36	74	36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
		45	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		37	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
36	75	36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
		45	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		37	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
36	76	36	0.18	0.29	0.24	0.25	0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
		45	0.19	0.25	7.55e-03	0.13	0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		37	0.12	0.17	0.12	0.16	0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
37	1	37	0.22	0.39	0.25	0.28	0.35	0.06	1.11e-03	-5.92e-03	-2.11e-03	-2.70e-03	3.50e-03
		45	0.26	0.44	0.17	0.25	0.36	0.13	2.53e-04	-7.27e-03	-3.60e-03	-3.42e-03	-3.76e-03
		46	0.26	0.11	-0.30	-0.06	-0.13	0.20	4.85e-03	-3.06e-03	7.12e-04	1.08e-03	3.95e-03
		38	0.11	-0.02	-0.16	-0.05	-0.13	0.06	2.15e-03	-6.20e-03	-3.65e-03	-3.97e-04	-3.85e-03
37	2	37	0.22	0.39	0.25	0.28	0.35	0.06	1.11e-03	-5.92e-03	-2.11e-03	-2.70e-03	3.50e-03
		45	0.26	0.44	0.17	0.25	0.36	0.13	2.53e-04	-7.27e-03	-3.60e-03	-3.42e-03	-3.76e-03
		46	0.26	0.11	-0.30	-0.06	-0.13	0.20	4.85e-03	-3.06e-03	7.12e-04	1.08e-03	3.95e-03
		38	0.11	-0.02	-0.16	-0.05	-0.13	0.06	2.15e-03	-6.20e-03	-3.65e-03	-3.97e-04	-3.85e-03
37	3	37	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		45	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03

		38	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
37	4	37	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		45	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
37	5	37	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		45	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
37	6	37	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		45	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
37	7	37	20.74	32.35	0.96	5.15	28.16	10.68	0.05	-0.08	-0.03	-4.62e-03	0.06
		45	20.77	32.41	0.97	5.13	28.25	-10.66	0.10	-0.04	0.05	9.31e-03	-0.07
		46	20.73	32.27	0.73	5.05	27.95	10.84	0.09	-0.05	0.05	-1.98e-03	0.07
		38	20.53	32.03	0.91	5.08	27.87	-10.60	0.04	-0.09	-0.03	-0.02	-0.07
37	8	37	3.29	-0.07	-4.94	-0.76	-4.24	-1.70	7.06e-03	-0.07	6.54e-03	-0.07	6.24e-03
		45	3.40	1.06e-03	-5.02	-0.78	-4.25	1.82	-8.56e-03	-0.07	-0.01	-0.07	0.02
		46	3.93	0.07	-5.16	-0.51	-4.59	-1.63	0.32	0.08	0.08	0.32	-0.02
		38	4.18	0.23	-5.29	-0.47	-4.59	1.84	0.35	0.08	0.08	0.35	-8.34e-03
37	9	37	22.64	35.31	1.03	5.61	30.73	11.66	0.05	-0.09	-0.03	-4.82e-03	0.07
		45	22.68	35.38	1.03	5.58	30.82	-11.65	0.11	-0.05	0.05	0.01	-0.08
		46	22.63	35.24	0.81	5.52	30.53	11.83	0.10	-0.06	0.05	-2.17e-03	0.08
		38	22.43	34.99	1.00	5.55	30.44	-11.58	0.04	-0.10	-0.04	-0.02	-0.07
37	10	37	1.39	1.20e-03	-1.99	-0.31	-1.67	-0.72	6.40e-03	-0.07	4.50e-03	-0.07	0.01
		45	1.50	0.07	-2.06	-0.32	-1.67	0.83	-7.11e-03	-0.07	-9.42e-03	-0.06	0.01
		46	2.09	0.16	-2.19	-0.04	-2.00	-0.64	0.32	0.08	0.08	0.32	-0.01
		38	2.32	0.32	-2.33	-1.31e-03	-2.01	0.86	0.35	0.08	0.08	0.35	-0.01
37	11	37	20.74	32.35	0.96	5.15	28.16	10.68	0.05	-0.08	-0.02	-4.55e-03	0.06
		45	20.77	32.41	0.96	5.13	28.24	-10.66	0.10	-0.04	0.05	9.39e-03	-0.07
		46	20.72	32.26	0.73	5.05	27.94	10.84	0.10	-0.05	0.05	-1.92e-03	0.07
		38	20.53	32.04	0.91	5.08	27.86	-10.60	0.04	-0.09	-0.03	-0.02	-0.07
37	12	37	3.29	-0.07	-4.93	-0.76	-4.24	-1.70	6.72e-03	-0.07	6.20e-03	-0.07	6.24e-03
		45	3.40	5.66e-03	-5.02	-0.77	-4.24	1.82	-8.88e-03	-0.07	-0.01	-0.07	0.02
		46	3.93	0.07	-5.15	-0.50	-4.58	-1.63	0.32	0.08	0.08	0.32	-0.02
		38	4.18	0.24	-5.29	-0.47	-4.59	1.85	0.35	0.08	0.08	0.35	-8.25e-03
37	13	37	22.64	35.30	1.03	5.61	30.73	11.66	0.06	-0.09	-0.03	-4.76e-03	0.07
		45	22.68	35.38	1.02	5.58	30.82	-11.65	0.11	-0.05	0.05	0.01	-0.08
		46	22.63	35.23	0.81	5.52	30.53	11.83	0.10	-0.06	0.05	-2.11e-03	0.08
		38	22.43	35.00	0.99	5.55	30.44	-11.58	0.04	-0.10	-0.04	-0.02	-0.07
37	14	37	1.39	-6.94e-04	-1.98	-0.31	-1.67	-0.72	6.07e-03	-0.07	4.16e-03	-0.07	0.01
		45	1.50	0.07	-2.06	-0.32	-1.67	0.83	-7.45e-03	-0.07	-9.77e-03	-0.06	0.01
		46	2.09	0.16	-2.19	-0.04	-2.00	-0.64	0.32	0.08	0.08	0.32	-0.01
		38	2.32	0.32	-2.33	-2.57e-04	-2.01	0.87	0.35	0.08	0.08	0.35	-0.01
37	15	37	20.74	32.35	0.96	5.15	28.16	10.68	0.05	-0.08	-0.03	-4.62e-03	0.06
		45	20.77	32.41	0.97	5.13	28.25	-10.66	0.10	-0.04	0.05	9.32e-03	-0.07
		46	20.73	32.27	0.73	5.05	27.95	10.84	0.09	-0.05	0.05	-1.98e-03	0.07
		38	20.53	32.03	0.91	5.08	27.87	-10.60	0.04	-0.09	-0.03	-0.02	-0.07
37	16	37	3.29	-0.07	-4.94	-0.76	-4.24	-1.70	7.06e-03	-0.07	6.54e-03	-0.07	6.29e-03
		45	3.40	1.05e-03	-5.02	-0.78	-4.25	1.82	-8.55e-03	-0.07	-0.01	-0.07	0.02
		46	3.93	0.07	-5.16	-0.51	-4.59	-1.63	0.32	0.08	0.08	0.32	-0.02
		38	4.18	0.23	-5.29	-0.47	-4.59	1.84	0.35	0.08	0.08	0.35	-8.32e-03
37	17	37	22.64	35.31	1.03	5.61	30.73	11.66	0.05	-0.09	-0.03	-4.82e-03	0.07
		45	22.68	35.38	1.03	5.58	30.82	-11.65	0.11	-0.05	0.05	0.01	-0.08
		46	22.63	35.24	0.81	5.52	30.53	11.83	0.10	-0.06	0.05	-2.18e-03	0.08
		38	22.43	34.99	1.00	5.55	30.44	-11.58	0.04	-0.10	-0.04	-0.02	-0.07
37	18	37	1.39	1.21e-03	-1.99	-0.31	-1.67	-0.72	6.39e-03	-0.07	4.50e-03	-0.07	0.01
		45	1.50	0.07	-2.06	-0.32	-1.67	0.83	-7.12e-03	-0.07	-9.42e-03	-0.06	0.01
		46	2.09	0.16	-2.19	-0.04	-2.00	-0.64	0.32	0.08	0.08	0.32	-0.01
		38	2.32	0.32	-2.33	-1.33e-03	-2.01	0.86	0.35	0.08	0.08	0.35	-0.01
37	19	37	20.74	32.35	0.96	5.15	28.16	10.68	0.05	-0.08	-0.02	-4.56e-03	0.06
		45	20.77	32.41	0.96	5.13	28.24	-10.66	0.10	-0.04	0.05	9.39e-03	-0.07
		46	20.72	32.26	0.73	5.05	27.94	10.84	0.10	-0.05	0.05	-1.92e-03	0.07
		38	20.53	32.04	0.91	5.08	27.86	-10.60	0.04	-0.09	-0.03	-0.02	-0.07
37	20	37	3.29	-0.07	-4.93	-0.76	-4.24	-1.70	6.73e-03	-0.07	6.20e-03	-0.07	6.28e-03
		45	3.40	5.66e-03	-5.02	-0.77	-4.24	1.82	-8.87e-03	-0.07	-0.01	-0.07	0.02
		46	3.93	0.07	-5.15	-0.50	-4.58	-1.63	0.32	0.08	0.08	0.32	-0.02
		38	4.18	0.24	-5.29	-0.47	-4.59	1.85	0.35	0.08	0.08	0.35	-8.23e-03
37	21	37	22.64	35.30	1.03	5.61	30.73	11.66	0.06	-0.09	-0.03	-4.76e-03	0.07
		45	22.68	35.38	1.02	5.58	30.82	-11.65	0.11	-0.05	0.05	0.01	-0.08
		46	22.63	35.23	0.81	5.52	30.53	11.83	0.10	-0.06	0.05	-2.12e-03	0.08
		38	22.43	35.00	0.99	5.55	30.44	-11.58	0.04	-0.10	-0.04	-0.02	-0.07
37	22	37	1.39	-6.89e-04	-1.98	-0.31	-1.67	-0.72	6.06e-03	-0.07	4.16e-03	-0.07	0.01
		45	1.50	0.07	-2.06	-0.32	-1.67	0.83	-7.45e-03	-0.07	-9.77e-03	-0.06	0.01
		46	2.09	0.16	-2.19	-0.04	-2.00	-0.64	0.32	0.08	0.08	0.32	-0.01
		38	2.32	0.32	-2.33	-2.77e-04	-2.01	0.87	0.35	0.08	0.08	0.35	-0.01

37	23	37	78.90	122.83	3.12	19.08	106.87	40.69	0.19	-0.29	-0.09	-0.01	0.24
		45	79.25	123.32	2.93	19.06	107.19	-41.01	0.38	-0.16	0.19	0.04	-0.26
		46	79.03	123.30	3.24	19.43	107.11	41.01	0.35	-0.19	0.17	-9.71e-03	0.26
		38	78.65	122.78	3.53	19.53	106.78	-40.64	0.15	-0.34	-0.12	-0.07	-0.24
37	24	37	1.24	-0.26	-1.52	-0.64	-1.14	-0.58	0.02	-0.23	0.01	-0.23	0.04
		45	1.34	-0.25	-1.50	-0.62	-1.12	0.57	-0.01	-0.21	-0.02	-0.20	0.03
		46	3.47	1.04	-1.47	0.90	-1.33	-0.57	1.06	0.28	0.28	1.05	-0.03
		38	3.99	1.28	-1.65	1.02	-1.39	0.83	1.17	0.26	0.26	1.17	-0.05
37	25	37	79.47	123.72	3.14	19.22	107.64	40.99	0.19	-0.30	-0.09	-0.01	0.24
		45	79.82	124.21	2.95	19.19	107.96	-41.30	0.39	-0.16	0.19	0.04	-0.26
		46	79.60	124.19	3.27	19.57	107.88	41.30	0.36	-0.19	0.18	-9.77e-03	0.26
		38	79.22	123.67	3.56	19.67	107.55	-40.94	0.15	-0.34	-0.12	-0.07	-0.24
37	26	37	0.79	-0.14	-0.73	-0.50	-0.37	-0.28	0.02	-0.23	0.01	-0.23	0.05
		45	0.77	-0.14	-0.70	-0.49	-0.35	0.27	-9.66e-03	-0.21	-0.01	-0.20	0.03
		46	2.99	1.09	-0.60	1.04	-0.56	-0.27	1.06	0.28	0.28	1.05	-0.03
		38	3.47	1.31	-0.77	1.16	-0.62	0.54	1.17	0.26	0.26	1.17	-0.05
37	27	37	78.90	122.83	3.12	19.08	106.87	40.69	0.19	-0.29	-0.09	-0.01	0.24
		45	79.25	123.32	2.93	19.06	107.19	-41.01	0.38	-0.16	0.19	0.04	-0.26
		46	79.03	123.30	3.24	19.43	107.11	41.01	0.35	-0.19	0.17	-9.71e-03	0.26
		38	78.65	122.78	3.53	19.53	106.78	-40.64	0.15	-0.34	-0.12	-0.07	-0.24
37	28	37	1.24	-0.26	-1.52	-0.64	-1.14	-0.58	0.02	-0.23	0.01	-0.23	0.04
		45	1.34	-0.25	-1.50	-0.62	-1.12	0.57	-0.01	-0.21	-0.02	-0.20	0.03
		46	3.47	1.04	-1.47	0.90	-1.33	-0.57	1.06	0.28	0.28	1.05	-0.03
		38	3.99	1.28	-1.65	1.02	-1.39	0.83	1.17	0.26	0.26	1.17	-0.05
37	29	37	79.47	123.72	3.14	19.22	107.64	40.99	0.19	-0.30	-0.09	-0.01	0.24
		45	79.82	124.21	2.95	19.19	107.96	-41.30	0.39	-0.16	0.19	0.04	-0.26
		46	79.60	124.19	3.27	19.57	107.88	41.30	0.36	-0.19	0.18	-9.77e-03	0.26
		38	79.22	123.67	3.56	19.67	107.55	-40.94	0.15	-0.34	-0.12	-0.07	-0.24
37	30	37	0.79	-0.14	-0.73	-0.50	-0.37	-0.28	0.02	-0.23	0.01	-0.23	0.05
		45	0.77	-0.14	-0.70	-0.49	-0.35	0.27	-9.66e-03	-0.21	-0.01	-0.20	0.03
		46	2.99	1.09	-0.60	1.04	-0.56	-0.27	1.06	0.28	0.28	1.05	-0.03
		38	3.47	1.31	-0.77	1.16	-0.62	0.54	1.17	0.26	0.26	1.17	-0.05
37	31	37	78.90	122.82	3.13	19.08	106.87	40.68	0.19	-0.29	-0.09	-0.01	0.24
		45	79.25	123.31	2.91	19.05	107.17	-41.02	0.38	-0.16	0.19	0.04	-0.26
		46	79.02	123.28	3.24	19.43	107.09	41.00	0.35	-0.19	0.18	-9.51e-03	0.26
		38	78.66	122.78	3.52	19.53	106.78	-40.65	0.15	-0.34	-0.12	-0.07	-0.24
37	32	37	1.24	-0.27	-1.51	-0.64	-1.14	-0.57	0.02	-0.23	0.01	-0.23	0.04
		45	1.34	-0.23	-1.49	-0.62	-1.11	0.58	-0.01	-0.21	-0.02	-0.21	0.03
		46	3.46	1.04	-1.45	0.91	-1.32	-0.56	1.06	0.28	0.28	1.05	-0.03
		38	3.99	1.29	-1.65	1.02	-1.39	0.84	1.17	0.26	0.26	1.17	-0.05
37	33	37	79.47	123.71	3.15	19.22	107.64	40.98	0.19	-0.29	-0.09	-0.01	0.24
		45	79.82	124.20	2.93	19.19	107.95	-41.32	0.39	-0.16	0.19	0.04	-0.26
		46	79.59	124.17	3.27	19.57	107.87	41.29	0.36	-0.19	0.18	-9.57e-03	0.26
		38	79.23	123.67	3.55	19.67	107.55	-40.95	0.15	-0.34	-0.12	-0.07	-0.24
37	34	37	0.78	-0.15	-0.71	-0.50	-0.37	-0.27	0.02	-0.23	0.01	-0.23	0.05
		45	0.78	-0.12	-0.70	-0.48	-0.34	0.28	-0.01	-0.21	-0.02	-0.20	0.03
		46	2.98	1.09	-0.58	1.05	-0.54	-0.26	1.06	0.28	0.28	1.05	-0.03
		38	3.47	1.32	-0.77	1.17	-0.62	0.55	1.17	0.25	0.26	1.17	-0.05
37	35	37	78.90	122.82	3.13	19.08	106.87	40.68	0.19	-0.29	-0.09	-0.01	0.24
		45	79.25	123.31	2.91	19.05	107.17	-41.02	0.38	-0.16	0.19	0.04	-0.26
		46	79.02	123.28	3.24	19.43	107.09	41.00	0.35	-0.19	0.18	-9.51e-03	0.26
		38	78.66	122.78	3.52	19.53	106.78	-40.65	0.15	-0.34	-0.12	-0.07	-0.24
37	36	37	1.24	-0.27	-1.51	-0.64	-1.14	-0.57	0.02	-0.23	0.01	-0.23	0.04
		45	1.34	-0.23	-1.49	-0.62	-1.11	0.58	-0.01	-0.21	-0.02	-0.21	0.03
		46	3.46	1.04	-1.45	0.91	-1.32	-0.56	1.06	0.28	0.28	1.05	-0.03
		38	3.99	1.29	-1.65	1.02	-1.39	0.84	1.17	0.26	0.26	1.17	-0.05
37	37	37	79.47	123.71	3.15	19.22	107.64	40.98	0.19	-0.29	-0.09	-0.01	0.24
		45	79.82	124.20	2.93	19.19	107.95	-41.32	0.39	-0.16	0.19	0.04	-0.26
		46	79.59	124.17	3.27	19.57	107.87	41.29	0.36	-0.19	0.18	-9.57e-03	0.26
		38	79.23	123.67	3.55	19.67	107.55	-40.95	0.15	-0.34	-0.12	-0.07	-0.24
37	38	37	0.78	-0.15	-0.71	-0.50	-0.37	-0.27	0.02	-0.23	0.01	-0.23	0.05
		45	0.78	-0.12	-0.70	-0.48	-0.34	0.28	-0.01	-0.21	-0.02	-0.20	0.03
		46	2.98	1.09	-0.58	1.05	-0.54	-0.26	1.06	0.28	0.28	1.05	-0.03
		38	3.47	1.32	-0.77	1.17	-0.62	0.55	1.17	0.25	0.26	1.17	-0.05
37	39	37	0.17	0.30	0.20	0.22	0.28	0.05	5.68e-04	-4.73e-03	-1.99e-03	-2.17e-03	2.65e-03
		45	0.21	0.35	0.14	0.20	0.28	0.10	1.35e-06	-5.85e-03	-3.13e-03	-2.72e-03	-2.92e-03
		46	0.19	0.09	-0.22	-0.04	-0.09	0.16	3.50e-03	-2.59e-03	1.79e-04	7.24e-04	3.03e-03
		38	0.08	-8.19e-03	-0.11	-0.03	-0.09	0.04	1.47e-03	-5.05e-03	-3.18e-03	-4.02e-04	-2.94e-03
37	40	37	0.16	0.29	0.18	0.21	0.26	0.05	1.12e-03	-4.38e-03	-1.28e-03	-1.98e-03	2.72e-03
		45	0.20	0.33	0.12	0.18	0.27	0.10	3.93e-04	-5.35e-03	-2.42e-03	-2.54e-03	-2.87e-03
		46	0.20	0.08	-0.24	-0.05	-0.11	0.16	3.95e-03	-2.14e-03	8.91e-04	9.14e-04	3.04e-03
		38	0.09	-0.02	-0.13	-0.05	-0.11	0.05	1.85e-03	-4.53e-03	-2.47e-03	-2.13e-04	-2.98e-03
37	41	37	0.17	0.30	0.20	0.22	0.28	0.05	5.94e-04	-4.74e-03	-1.98e-03	-2.17e-03	2.66e-03
		45	0.21	0.35	0.14	0.20	0.28	0.10	1.53e-06	-5.83e-03	-3.12e-03	-2.71e-03	-2.91e-03
		46	0.19	0.09	-0.22	-0.04	-0.09	0.16	3.52e-03	-2.57e-03	2.05e-04	7.40e-04	3.03e-03
		38	0.08	-8.07e-03	-0.11	-0.03	-0.09	0.04	1.47e-03	-5.02e-03	-3.16e-03	-3.98e-04	-2.94e-03
37	42	37	0.16	0.29	0.18	0.21	0.26	0.05	1.14e-03	-4.38e-03	-1.26e-03	-1.98e-03	2.74e-03

		45	0.20	0.33	0.12	0.18	0.27	0.10	3.94e-04	-5.33e-03	-2.41e-03	-2.53e-03	-2.86e-03
		46	0.20	0.08	-0.24	-0.05	-0.11	0.16	3.97e-03	-2.12e-03	9.17e-04	9.30e-04	3.04e-03
		38	0.09	-0.02	-0.13	-0.05	-0.11	0.05	1.85e-03	-4.50e-03	-2.44e-03	-2.08e-04	-2.97e-03
37	43	37	0.17	0.30	0.20	0.22	0.28	0.04	6.46e-04	-4.66e-03	-1.86e-03	-2.15e-03	2.65e-03
		45	0.21	0.34	0.14	0.20	0.28	0.09	7.55e-05	-5.77e-03	-3.00e-03	-2.69e-03	-2.92e-03
		46	0.19	0.09	-0.22	-0.04	-0.10	0.16	3.56e-03	-2.52e-03	2.92e-04	7.47e-04	3.03e-03
		38	0.08	-9.60e-03	-0.11	-0.03	-0.09	0.04	1.54e-03	-4.99e-03	-3.07e-03	-3.82e-04	-2.98e-03
37	44	37	0.16	0.29	0.18	0.21	0.26	0.05	1.04e-03	-4.44e-03	-1.40e-03	-2.01e-03	2.72e-03
		45	0.20	0.33	0.12	0.18	0.27	0.10	3.15e-04	-5.43e-03	-2.55e-03	-2.57e-03	-2.87e-03
		46	0.20	0.08	-0.24	-0.05	-0.11	0.16	3.88e-03	-2.21e-03	7.78e-04	8.91e-04	3.04e-03
		38	0.09	-0.02	-0.14	-0.05	-0.11	0.05	1.76e-03	-4.58e-03	-2.58e-03	-2.33e-04	-2.94e-03
37	45	37	0.17	0.30	0.20	0.22	0.28	0.04	6.72e-04	-4.67e-03	-1.85e-03	-2.14e-03	2.66e-03
		45	0.21	0.34	0.14	0.20	0.28	0.09	7.57e-05	-5.75e-03	-2.99e-03	-2.69e-03	-2.91e-03
		46	0.19	0.09	-0.22	-0.04	-0.10	0.16	3.58e-03	-2.50e-03	3.18e-04	7.63e-04	3.03e-03
		38	0.08	-9.47e-03	-0.11	-0.03	-0.09	0.04	1.55e-03	-4.97e-03	-3.04e-03	-3.78e-04	-2.97e-03
37	46	37	0.16	0.29	0.18	0.21	0.26	0.05	1.06e-03	-4.45e-03	-1.39e-03	-2.00e-03	2.74e-03
		45	0.20	0.33	0.12	0.18	0.27	0.10	3.16e-04	-5.41e-03	-2.53e-03	-2.56e-03	-2.86e-03
		46	0.20	0.08	-0.24	-0.05	-0.11	0.16	3.90e-03	-2.19e-03	8.04e-04	9.07e-04	3.04e-03
		38	0.09	-0.02	-0.14	-0.05	-0.11	0.05	1.77e-03	-4.55e-03	-2.56e-03	-2.28e-04	-2.94e-03
37	47	37	0.17	0.30	0.20	0.22	0.28	0.05	5.84e-04	-4.75e-03	-1.99e-03	-2.17e-03	2.66e-03
		45	0.21	0.35	0.14	0.20	0.28	0.10	-7.41e-06	-5.84e-03	-3.13e-03	-2.72e-03	-2.91e-03
		46	0.19	0.09	-0.22	-0.04	-0.09	0.16	3.50e-03	-2.59e-03	1.81e-04	7.26e-04	3.03e-03
		38	0.08	-8.18e-03	-0.11	-0.03	-0.09	0.04	1.46e-03	-5.04e-03	-3.18e-03	-4.02e-04	-2.94e-03
37	48	37	0.16	0.29	0.18	0.21	0.26	0.05	1.13e-03	-4.39e-03	-1.28e-03	-1.98e-03	2.74e-03
		45	0.20	0.33	0.12	0.18	0.27	0.10	3.84e-04	-5.34e-03	-2.42e-03	-2.54e-03	-2.86e-03
		46	0.20	0.08	-0.24	-0.05	-0.11	0.16	3.95e-03	-2.14e-03	8.92e-04	9.16e-04	3.04e-03
		38	0.09	-0.02	-0.13	-0.05	-0.11	0.05	1.84e-03	-4.52e-03	-2.47e-03	-2.12e-04	-2.97e-03
37	49	37	0.17	0.30	0.20	0.22	0.28	0.05	5.78e-04	-4.72e-03	-1.98e-03	-2.17e-03	2.65e-03
		45	0.21	0.35	0.14	0.20	0.28	0.10	1.03e-05	-5.84e-03	-3.12e-03	-2.72e-03	-2.92e-03
		46	0.19	0.09	-0.22	-0.04	-0.09	0.16	3.52e-03	-2.57e-03	2.04e-04	7.39e-04	3.03e-03
		38	0.08	-8.07e-03	-0.11	-0.03	-0.09	0.04	1.48e-03	-5.03e-03	-3.16e-03	-3.98e-04	-2.95e-03
37	50	37	0.16	0.29	0.18	0.21	0.26	0.05	1.13e-03	-4.37e-03	-1.26e-03	-1.98e-03	2.72e-03
		45	0.20	0.33	0.12	0.18	0.27	0.10	4.02e-04	-5.34e-03	-2.41e-03	-2.53e-03	-2.87e-03
		46	0.20	0.08	-0.24	-0.05	-0.11	0.16	3.96e-03	-2.12e-03	9.15e-04	9.28e-04	3.04e-03
		38	0.09	-0.02	-0.13	-0.05	-0.11	0.05	1.86e-03	-4.51e-03	-2.44e-03	-2.08e-04	-2.98e-03
37	51	37	0.17	0.30	0.20	0.22	0.28	0.04	6.62e-04	-4.67e-03	-1.86e-03	-2.15e-03	2.66e-03
		45	0.21	0.34	0.14	0.20	0.28	0.09	6.67e-05	-5.76e-03	-3.00e-03	-2.69e-03	-2.91e-03
		46	0.19	0.09	-0.22	-0.04	-0.10	0.16	3.56e-03	-2.52e-03	2.93e-04	7.48e-04	3.03e-03
		38	0.08	-9.59e-03	-0.11	-0.03	-0.09	0.04	1.54e-03	-4.99e-03	-3.07e-03	-3.82e-04	-2.97e-03
37	52	37	0.16	0.29	0.18	0.21	0.26	0.05	1.05e-03	-4.46e-03	-1.40e-03	-2.01e-03	2.74e-03
		45	0.20	0.33	0.12	0.18	0.27	0.10	3.07e-04	-5.42e-03	-2.55e-03	-2.57e-03	-2.86e-03
		46	0.20	0.08	-0.24	-0.05	-0.11	0.16	3.88e-03	-2.21e-03	7.80e-04	8.93e-04	3.04e-03
		38	0.09	-0.02	-0.14	-0.05	-0.11	0.05	1.76e-03	-4.57e-03	-2.58e-03	-2.32e-04	-2.94e-03
37	53	37	0.17	0.30	0.20	0.22	0.28	0.04	6.56e-04	-4.65e-03	-1.85e-03	-2.14e-03	2.65e-03
		45	0.21	0.34	0.14	0.20	0.28	0.09	8.44e-05	-5.76e-03	-2.99e-03	-2.69e-03	-2.92e-03
		46	0.19	0.09	-0.22	-0.04	-0.10	0.16	3.58e-03	-2.50e-03	3.16e-04	7.61e-04	3.03e-03
		38	0.08	-9.48e-03	-0.11	-0.03	-0.09	0.04	1.55e-03	-4.98e-03	-3.04e-03	-3.78e-04	-2.98e-03
37	54	37	0.16	0.29	0.18	0.21	0.26	0.05	1.05e-03	-4.44e-03	-1.39e-03	-2.00e-03	2.72e-03
		45	0.20	0.33	0.12	0.18	0.27	0.10	3.25e-04	-5.42e-03	-2.53e-03	-2.56e-03	-2.87e-03
		46	0.20	0.08	-0.24	-0.05	-0.11	0.16	3.90e-03	-2.19e-03	8.03e-04	9.06e-04	3.04e-03
		38	0.09	-0.02	-0.14	-0.05	-0.11	0.05	1.77e-03	-4.56e-03	-2.56e-03	-2.28e-04	-2.95e-03
37	55	37	0.19	0.32	0.22	0.24	0.30	0.04	-3.21e-05	-5.18e-03	-2.82e-03	-2.39e-03	2.56e-03
		45	0.22	0.36	0.15	0.21	0.30	0.09	-4.26e-04	-6.46e-03	-3.96e-03	-2.93e-03	-2.97e-03
		46	0.19	0.11	-0.20	-0.02	-0.07	0.15	3.01e-03	-3.14e-03	-6.42e-04	5.09e-04	3.02e-03
		38	0.07	0.01	-0.09	-0.01	-0.06	0.04	1.05e-03	-5.67e-03	-4.00e-03	-6.22e-04	-2.90e-03
37	56	37	0.15	0.27	0.16	0.19	0.24	0.05	1.80e-03	-3.99e-03	-4.37e-04	-1.76e-03	2.82e-03
		45	0.19	0.32	0.10	0.17	0.25	0.10	8.82e-04	-4.79e-03	-1.58e-03	-2.33e-03	-2.81e-03
		46	0.21	0.06	-0.26	-0.07	-0.13	0.16	4.50e-03	-1.63e-03	1.73e-03	1.14e-03	3.05e-03
		38	0.10	-0.04	-0.16	-0.07	-0.13	0.05	2.32e-03	-3.94e-03	-1.63e-03	1.02e-05	-3.02e-03
37	57	37	0.19	0.32	0.22	0.24	0.30	0.04	-2.45e-05	-5.18e-03	-2.81e-03	-2.39e-03	2.57e-03
		45	0.22	0.36	0.15	0.21	0.30	0.09	-4.26e-04	-6.46e-03	-3.95e-03	-2.93e-03	-2.97e-03
		46	0.19	0.11	-0.20	-0.02	-0.07	0.15	3.02e-03	-3.14e-03	-6.34e-04	5.13e-04	3.02e-03
		38	0.07	0.01	-0.09	-0.01	-0.06	0.04	1.05e-03	-5.66e-03	-3.99e-03	-6.20e-04	-2.90e-03
37	58	37	0.15	0.27	0.16	0.19	0.24	0.05	1.80e-03	-4.00e-03	-4.33e-04	-1.76e-03	2.82e-03
		45	0.19	0.32	0.10	0.17	0.25	0.10	8.82e-04	-4.79e-03	-1.58e-03	-2.32e-03	-2.81e-03
		46	0.21	0.06	-0.26	-0.07	-0.13	0.16	4.51e-03	-1.63e-03	1.74e-03	1.15e-03	3.05e-03
		38	0.10	-0.04	-0.16	-0.07	-0.13	0.05	2.32e-03	-3.93e-03	-1.62e-03	1.16e-05	-3.02e-03
37	59	37	0.19	0.32	0.22	0.24	0.30	0.04	-2.73e-05	-5.18e-03	-2.82e-03	-2.39e-03	2.57e-03
		45	0.22	0.36	0.15	0.21	0.30	0.09	-4.29e-04	-6.46e-03	-3.96e-03	-2.93e-03	-2.97e-03
		46	0.19	0.11	-0.20	-0.02	-0.07	0.15	3.01e-03	-3.14e-03	-6.42e-04	5.09e-04	3.02e-03
		38	0.07	0.01	-0.09	-0.01	-0.06	0.04	1.04e-03	-5.67e-03	-4.00e-03	-6.22e-04	-2.90e-03
37	60	37	0.15	0.27	0.16	0.19	0.24	0.05	1.80e-03	-4.00e-03	-4.37e-04	-1.76e-03	2.82e-03
		45	0.19	0.32	0.10	0.17	0.25	0.10	8.79e-04	-4.79e-03	-1.58e-03	-2.33e-03	-2.81e-03
		46	0.21	0.06	-0.26	-0.07	-0.13	0.16	4.50e-03	-1.63e-03	1.73e-03	1.14e-03	3.05e-03
		38	0.10	-0.04	-0.16	-0.07	-0.13	0.05	2.32e-03	-3.93e-03	-1.63e-03	1.03e-05	-3.02e-03
37	61	37	0.19	0.32	0.22	0.24	0.30	0.04	-2.93e-05	-5.18e-03	-2.81e-03	-2.39e-03	2.56e-03
		45	0.22	0.36	0.15	0.21	0.30	0.09	-4.24e-04	-6.46e-03	-3.95e-03	-2.93e-03	-2.97e-03

		46	0.19	0.11	-0.20	-0.02	-0.07	0.15	3.02e-03	-3.14e-03	-6.35e-04	5.13e-04	3.02e-03
		38	0.07	0.01	-0.09	-0.01	-0.06	0.04	1.05e-03	-5.66e-03	-3.99e-03	-6.20e-04	-2.90e-03
37	62	37	0.15	0.27	0.16	0.19	0.24	0.05	1.80e-03	-3.99e-03	-4.33e-04	-1.76e-03	2.82e-03
		45	0.19	0.32	0.10	0.17	0.25	0.10	8.85e-04	-4.79e-03	-1.58e-03	-2.32e-03	-2.81e-03
		46	0.21	0.06	-0.26	-0.07	-0.13	0.16	4.51e-03	-1.63e-03	1.74e-03	1.15e-03	3.05e-03
		38	0.10	-0.04	-0.16	-0.07	-0.13	0.05	2.32e-03	-3.93e-03	-1.62e-03	1.16e-05	-3.02e-03
37	63	37	0.19	0.32	0.22	0.24	0.30	0.04	2.11e-04	-4.92e-03	-2.40e-03	-2.31e-03	2.57e-03
		45	0.21	0.35	0.15	0.21	0.30	0.09	-1.93e-04	-6.18e-03	-3.53e-03	-2.84e-03	-2.97e-03
		46	0.19	0.10	-0.20	-0.02	-0.08	0.15	3.21e-03	-2.89e-03	-2.66e-04	5.84e-04	3.02e-03
		38	0.07	6.68e-03	-0.08	-0.01	-0.06	0.04	1.30e-03	-5.48e-03	-3.63e-03	-5.55e-04	-3.02e-03
37	64	37	0.16	0.27	0.16	0.19	0.24	0.05	1.51e-03	-4.21e-03	-8.56e-04	-1.84e-03	2.82e-03
		45	0.20	0.32	0.10	0.17	0.25	0.10	6.08e-04	-5.04e-03	-2.01e-03	-2.42e-03	-2.81e-03
		46	0.21	0.07	-0.26	-0.07	-0.13	0.16	4.27e-03	-1.85e-03	1.35e-03	1.07e-03	3.05e-03
		38	0.10	-0.04	-0.16	-0.07	-0.13	0.05	2.03e-03	-4.09e-03	-2.00e-03	-5.62e-05	-2.90e-03
37	65	37	0.19	0.32	0.22	0.24	0.30	0.04	2.19e-04	-4.92e-03	-2.40e-03	-2.31e-03	2.57e-03
		45	0.21	0.35	0.15	0.21	0.30	0.09	-1.93e-04	-6.17e-03	-3.53e-03	-2.83e-03	-2.97e-03
		46	0.19	0.10	-0.20	-0.02	-0.08	0.15	3.22e-03	-2.89e-03	-2.59e-04	5.89e-04	3.02e-03
		38	0.07	6.71e-03	-0.08	-0.01	-0.06	0.04	1.30e-03	-5.47e-03	-3.62e-03	-5.54e-04	-3.02e-03
37	66	37	0.16	0.27	0.16	0.19	0.24	0.05	1.52e-03	-4.21e-03	-8.51e-04	-1.84e-03	2.82e-03
		45	0.20	0.32	0.10	0.17	0.25	0.10	6.08e-04	-5.03e-03	-2.00e-03	-2.42e-03	-2.81e-03
		46	0.21	0.07	-0.26	-0.07	-0.13	0.16	4.27e-03	-1.84e-03	1.36e-03	1.07e-03	3.05e-03
		38	0.10	-0.04	-0.16	-0.07	-0.13	0.05	2.03e-03	-4.08e-03	-1.99e-03	-5.48e-05	-2.90e-03
37	67	37	0.19	0.32	0.22	0.24	0.30	0.04	2.16e-04	-4.93e-03	-2.40e-03	-2.31e-03	2.57e-03
		45	0.21	0.35	0.15	0.21	0.30	0.09	-1.95e-04	-6.17e-03	-3.53e-03	-2.83e-03	-2.97e-03
		46	0.19	0.10	-0.20	-0.02	-0.08	0.15	3.21e-03	-2.89e-03	-2.66e-04	5.84e-04	3.02e-03
		38	0.07	6.68e-03	-0.08	-0.01	-0.06	0.04	1.29e-03	-5.48e-03	-3.63e-03	-5.55e-04	-3.02e-03
37	68	37	0.16	0.27	0.16	0.19	0.24	0.05	1.52e-03	-4.21e-03	-8.56e-04	-1.84e-03	2.82e-03
		45	0.20	0.32	0.10	0.17	0.25	0.10	6.05e-04	-5.03e-03	-2.01e-03	-2.42e-03	-2.81e-03
		46	0.21	0.07	-0.26	-0.07	-0.13	0.16	4.27e-03	-1.85e-03	1.36e-03	1.07e-03	3.05e-03
		38	0.10	-0.04	-0.16	-0.07	-0.13	0.05	2.03e-03	-4.09e-03	-2.00e-03	-5.62e-05	-2.90e-03
37	69	37	0.19	0.32	0.22	0.24	0.30	0.04	2.14e-04	-4.92e-03	-2.40e-03	-2.31e-03	2.57e-03
		45	0.21	0.35	0.15	0.21	0.30	0.09	-1.90e-04	-6.17e-03	-3.53e-03	-2.83e-03	-2.97e-03
		46	0.19	0.10	-0.20	-0.02	-0.08	0.15	3.22e-03	-2.89e-03	-2.59e-04	5.88e-04	3.02e-03
		38	0.07	6.71e-03	-0.08	-0.01	-0.06	0.04	1.30e-03	-5.47e-03	-3.62e-03	-5.54e-04	-3.02e-03
37	70	37	0.16	0.27	0.16	0.19	0.24	0.05	1.51e-03	-4.21e-03	-8.51e-04	-1.84e-03	2.82e-03
		45	0.20	0.32	0.10	0.17	0.25	0.10	6.11e-04	-5.03e-03	-2.00e-03	-2.42e-03	-2.81e-03
		46	0.21	0.07	-0.26	-0.07	-0.13	0.16	4.27e-03	-1.84e-03	1.36e-03	1.07e-03	3.05e-03
		38	0.10	-0.04	-0.16	-0.07	-0.13	0.05	2.03e-03	-4.08e-03	-1.99e-03	-5.49e-05	-2.90e-03
37	71	37	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		45	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
37	72	37	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		45	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
37	73	37	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		45	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
37	74	37	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		45	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
37	75	37	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		45	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
37	76	37	0.17	0.30	0.19	0.22	0.27	0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		45	0.20	0.34	0.13	0.19	0.28	0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.09	-0.23	-0.04	-0.10	0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	-0.02	-0.12	-0.04	-0.10	0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
38	1	39	0.22	-0.25	-0.39	-0.28	-0.35	-0.06	1.11e-03	-5.92e-03	-2.11e-03	-2.70e-03	3.50e-03
		47	0.26	-0.17	-0.44	-0.25	-0.36	-0.13	2.53e-04	-7.27e-03	-3.60e-03	-3.42e-03	-3.76e-03
		46	0.26	0.30	-0.11	0.06	0.13	-0.20	4.85e-03	-3.06e-03	7.12e-04	1.08e-03	3.95e-03
		38	0.11	0.16	0.02	0.05	0.13	-0.06	2.15e-03	-6.20e-03	-3.65e-03	-3.97e-04	-3.85e-03
38	2	39	0.22	-0.25	-0.39	-0.28	-0.35	-0.06	1.11e-03	-5.92e-03	-2.11e-03	-2.70e-03	3.50e-03
		47	0.26	-0.17	-0.44	-0.25	-0.36	-0.13	2.53e-04	-7.27e-03	-3.60e-03	-3.42e-03	-3.76e-03
		46	0.26	0.30	-0.11	0.06	0.13	-0.20	4.85e-03	-3.06e-03	7.12e-04	1.08e-03	3.95e-03
		38	0.11	0.16	0.02	0.05	0.13	-0.06	2.15e-03	-6.20e-03	-3.65e-03	-3.97e-04	-3.85e-03
38	3	39	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		47	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
38	4	39	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		47	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03

		38	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
38	5	39	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		47	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
38	6	39	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		47	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
38	7	39	20.47	31.77	0.58	4.72	27.62	10.59	0.07	-0.05	0.02	4.63e-04	-0.06
		47	20.67	32.01	0.43	4.75	27.70	-10.85	0.03	-0.10	-0.05	-0.01	0.06
		46	20.59	32.24	1.05	5.14	28.15	10.53	0.05	-0.09	-0.04	3.63e-03	-0.06
		38	20.66	32.28	0.95	5.16	28.06	-10.69	0.08	-0.04	0.03	0.02	0.06
38	8	39	6.67	2.30	-6.10	1.70	-5.51	-2.16	0.99	0.30	0.30	0.99	0.01
		47	5.92	1.29	-5.65	1.15	-5.51	0.97	0.90	0.29	0.29	0.90	-2.90e-03
		46	4.15	0.06	-5.08	-0.83	-4.20	-1.94	-0.04	-0.38	-0.05	-0.37	-0.07
		38	4.02	0.04	-5.04	-0.82	-4.18	1.91	-0.07	-0.41	-0.07	-0.41	-5.64e-03
38	9	39	22.37	34.72	0.65	5.18	30.19	11.57	0.08	-0.05	0.02	6.65e-04	-0.06
		47	22.58	34.98	0.49	5.20	30.27	-11.84	0.04	-0.11	-0.06	-0.02	0.07
		46	22.49	35.21	1.13	5.61	30.74	11.51	0.05	-0.10	-0.05	3.83e-03	-0.07
		38	22.55	35.24	1.03	5.64	30.64	-11.67	0.09	-0.04	0.03	0.02	0.07
38	10	39	4.90	2.41	-3.20	2.15	-2.94	-1.18	0.99	0.30	0.30	0.99	4.69e-03
		47	4.31	1.61	-2.94	1.61	-2.94	-0.02	0.90	0.28	0.28	0.90	3.28e-03
		46	2.27	0.16	-2.13	-0.36	-1.61	-0.95	-0.04	-0.39	-0.06	-0.37	-0.07
		38	2.16	0.14	-2.10	-0.35	-1.61	0.93	-0.06	-0.41	-0.06	-0.41	8.12e-05
38	11	39	20.47	31.76	0.58	4.72	27.62	10.58	0.07	-0.05	0.02	4.02e-04	-0.06
		47	20.67	32.01	0.43	4.75	27.69	-10.85	0.03	-0.10	-0.05	-0.01	0.06
		46	20.59	32.24	1.05	5.14	28.15	10.53	0.05	-0.09	-0.04	3.57e-03	-0.06
		38	20.66	32.28	0.95	5.16	28.06	-10.69	0.08	-0.04	0.03	0.02	0.06
38	12	39	6.67	2.30	-6.10	1.70	-5.51	-2.16	0.99	0.30	0.30	0.99	0.01
		47	5.91	1.29	-5.65	1.15	-5.51	0.97	0.90	0.29	0.29	0.90	-2.90e-03
		46	4.15	0.06	-5.07	-0.83	-4.19	-1.94	-0.04	-0.38	-0.05	-0.37	-0.07
		38	4.02	0.04	-5.05	-0.82	-4.18	1.91	-0.07	-0.41	-0.07	-0.41	-5.74e-03
38	13	39	22.37	34.72	0.65	5.18	30.19	11.56	0.08	-0.05	0.02	6.04e-04	-0.06
		47	22.58	34.98	0.49	5.20	30.27	-11.84	0.04	-0.11	-0.06	-0.02	0.07
		46	22.49	35.21	1.13	5.61	30.73	11.51	0.05	-0.10	-0.05	3.77e-03	-0.07
		38	22.56	35.24	1.03	5.63	30.64	-11.67	0.09	-0.04	0.03	0.02	0.07
38	14	39	4.90	2.41	-3.20	2.15	-2.94	-1.18	0.99	0.30	0.30	0.99	4.69e-03
		47	4.31	1.61	-2.93	1.61	-2.93	-0.02	0.90	0.28	0.28	0.90	3.28e-03
		46	2.27	0.15	-2.12	-0.36	-1.61	-0.95	-0.04	-0.38	-0.06	-0.37	-0.07
		38	2.16	0.14	-2.10	-0.35	-1.61	0.93	-0.06	-0.41	-0.06	-0.41	-1.40e-05
38	15	39	20.47	31.77	0.58	4.72	27.62	10.59	0.07	-0.05	0.02	4.62e-04	-0.06
		47	20.67	32.01	0.43	4.75	27.70	-10.85	0.03	-0.10	-0.05	-0.01	0.06
		46	20.59	32.24	1.05	5.14	28.15	10.53	0.05	-0.09	-0.04	3.64e-03	-0.06
		38	20.66	32.28	0.95	5.16	28.06	-10.69	0.08	-0.04	0.03	0.02	0.06
38	16	39	6.67	2.30	-6.10	1.70	-5.51	-2.16	0.99	0.30	0.30	0.99	0.01
		47	5.92	1.29	-5.65	1.15	-5.51	0.97	0.90	0.29	0.29	0.90	-2.93e-03
		46	4.15	0.06	-5.08	-0.83	-4.20	-1.94	-0.04	-0.38	-0.05	-0.37	-0.07
		38	4.02	0.04	-5.04	-0.82	-4.18	1.91	-0.07	-0.41	-0.07	-0.41	-5.66e-03
38	17	39	22.37	34.72	0.65	5.18	30.19	11.57	0.08	-0.05	0.02	6.65e-04	-0.06
		47	22.58	34.98	0.49	5.20	30.27	-11.84	0.04	-0.11	-0.06	-0.02	0.07
		46	22.49	35.21	1.13	5.61	30.74	11.51	0.05	-0.10	-0.05	3.83e-03	-0.07
		38	22.55	35.24	1.03	5.64	30.64	-11.67	0.09	-0.04	0.03	0.02	0.07
38	18	39	4.90	2.41	-3.20	2.15	-2.94	-1.18	0.99	0.30	0.30	0.99	4.73e-03
		47	4.31	1.61	-2.94	1.61	-2.94	-0.02	0.90	0.28	0.28	0.90	3.30e-03
		46	2.27	0.16	-2.13	-0.36	-1.61	-0.95	-0.04	-0.39	-0.06	-0.37	-0.07
		38	2.16	0.14	-2.10	-0.35	-1.61	0.93	-0.06	-0.41	-0.06	-0.41	1.02e-04
38	19	39	20.47	31.76	0.58	4.72	27.62	10.58	0.07	-0.05	0.02	4.01e-04	-0.06
		47	20.67	32.01	0.43	4.75	27.69	-10.85	0.03	-0.10	-0.05	-0.01	0.06
		46	20.59	32.24	1.05	5.14	28.15	10.53	0.05	-0.09	-0.04	3.57e-03	-0.06
		38	20.66	32.28	0.95	5.16	28.06	-10.69	0.08	-0.04	0.03	0.02	0.06
38	20	39	6.67	2.30	-6.10	1.70	-5.51	-2.16	0.99	0.30	0.30	0.99	0.01
		47	5.91	1.29	-5.65	1.15	-5.51	0.97	0.90	0.29	0.29	0.90	-2.93e-03
		46	4.15	0.06	-5.07	-0.83	-4.19	-1.94	-0.04	-0.38	-0.05	-0.37	-0.07
		38	4.02	0.04	-5.04	-0.82	-4.18	1.91	-0.07	-0.41	-0.07	-0.41	-5.76e-03
38	21	39	22.37	34.72	0.65	5.18	30.19	11.56	0.08	-0.05	0.02	6.04e-04	-0.06
		47	22.58	34.98	0.49	5.20	30.27	-11.84	0.04	-0.11	-0.06	-0.02	0.07
		46	22.49	35.21	1.13	5.61	30.73	11.51	0.05	-0.10	-0.05	3.77e-03	-0.07
		38	22.56	35.24	1.03	5.63	30.64	-11.67	0.09	-0.04	0.03	0.02	0.07
38	22	39	4.90	2.41	-3.20	2.15	-2.94	-1.18	0.99	0.30	0.30	0.99	4.73e-03
		47	4.31	1.61	-2.93	1.61	-2.93	-0.02	0.90	0.28	0.28	0.90	3.30e-03
		46	2.27	0.15	-2.12	-0.36	-1.61	-0.95	-0.04	-0.38	-0.06	-0.37	-0.07
		38	2.16	0.14	-2.10	-0.35	-1.61	0.93	-0.06	-0.41	-0.06	-0.41	6.49e-06
38	23	39	78.64	122.25	2.74	18.65	106.33	40.60	0.28	-0.19	0.09	7.49e-03	-0.23
		47	79.16	122.92	2.39	18.68	106.64	-41.20	0.14	-0.38	-0.19	-0.05	0.25
		46	78.90	123.28	3.56	19.52	107.32	40.69	0.18	-0.35	-0.17	0.01	-0.25
		38	78.78	123.02	3.57	19.61	106.98	-40.73	0.33	-0.14	0.11	0.07	0.24

38	24	39	12.83	8.85	-4.37	8.57	-4.09	-1.89	3.29	1.00	1.00	3.29	-1.83e-03
		47	11.41	6.99	-4.35	6.70	-4.06	-1.80	3.00	0.94	0.94	3.00	0.03
		46	3.76	0.42	-1.32	-0.38	-0.52	-0.87	-0.14	-1.29	-0.20	-1.23	-0.27
		38	3.71	0.83	-1.68	-0.34	-0.50	1.25	-0.20	-1.36	-0.20	-1.36	0.02
38	25	39	79.21	123.13	2.76	18.79	107.10	40.89	0.29	-0.19	0.09	7.55e-03	-0.23
		47	79.73	123.81	2.41	18.81	107.41	-41.50	0.15	-0.39	-0.19	-0.05	0.26
		46	79.47	124.17	3.59	19.66	108.09	40.99	0.19	-0.35	-0.17	0.01	-0.25
		38	79.34	123.91	3.59	19.76	107.75	-41.03	0.33	-0.15	0.11	0.07	0.24
38	26	39	12.35	8.92	-3.53	8.71	-3.32	-1.60	3.29	1.00	1.00	3.29	-3.55e-03
		47	11.06	7.25	-3.70	6.83	-3.29	-2.10	3.00	0.94	0.94	3.00	0.03
		46	3.19	0.64	-0.62	-0.24	0.26	-0.58	-0.14	-1.29	-0.21	-1.23	-0.27
		38	3.53	1.02	-0.95	-0.20	0.27	0.96	-0.20	-1.36	-0.20	-1.36	0.02
38	27	39	78.64	122.25	2.74	18.65	106.33	40.60	0.28	-0.19	0.09	7.49e-03	-0.23
		47	79.16	122.92	2.39	18.68	106.64	-41.20	0.14	-0.38	-0.19	-0.05	0.25
		46	78.90	123.28	3.56	19.52	107.32	40.69	0.18	-0.35	-0.17	0.01	-0.25
		38	78.78	123.02	3.57	19.61	106.98	-40.73	0.33	-0.14	0.11	0.07	0.24
38	28	39	12.83	8.85	-4.37	8.57	-4.09	-1.89	3.29	1.00	1.00	3.29	-1.84e-03
		47	11.41	6.99	-4.35	6.70	-4.06	-1.80	3.00	0.94	0.94	3.00	0.03
		46	3.76	0.42	-1.32	-0.38	-0.52	-0.87	-0.14	-1.29	-0.20	-1.23	-0.27
		38	3.71	0.83	-1.68	-0.34	-0.50	1.25	-0.20	-1.36	-0.20	-1.36	0.02
38	29	39	79.21	123.13	2.76	18.79	107.10	40.89	0.29	-0.19	0.09	7.55e-03	-0.23
		47	79.73	123.81	2.41	18.81	107.41	-41.50	0.15	-0.39	-0.19	-0.05	0.26
		46	79.47	124.17	3.59	19.66	108.09	40.99	0.19	-0.35	-0.17	0.01	-0.25
		38	79.34	123.91	3.59	19.76	107.75	-41.03	0.33	-0.15	0.11	0.07	0.24
38	30	39	12.35	8.92	-3.53	8.71	-3.32	-1.60	3.29	1.00	1.00	3.29	-3.54e-03
		47	11.06	7.25	-3.70	6.83	-3.29	-2.10	3.00	0.94	0.94	3.00	0.03
		46	3.19	0.64	-0.62	-0.24	0.26	-0.58	-0.14	-1.29	-0.21	-1.23	-0.27
		38	3.53	1.02	-0.95	-0.20	0.27	0.96	-0.20	-1.36	-0.20	-1.36	0.02
38	31	39	78.63	122.24	2.75	18.65	106.33	40.59	0.28	-0.19	0.09	7.29e-03	-0.23
		47	79.16	122.92	2.38	18.67	106.62	-41.21	0.14	-0.38	-0.19	-0.05	0.25
		46	78.88	123.25	3.56	19.52	107.30	40.68	0.18	-0.35	-0.17	0.01	-0.25
		38	78.78	123.03	3.56	19.61	106.97	-40.75	0.33	-0.15	0.11	0.07	0.24
38	32	39	12.83	8.85	-4.36	8.58	-4.09	-1.88	3.29	1.00	1.00	3.29	-1.82e-03
		47	11.40	6.99	-4.33	6.70	-4.04	-1.79	3.00	0.94	0.94	3.00	0.03
		46	3.74	0.42	-1.30	-0.38	-0.50	-0.86	-0.14	-1.29	-0.20	-1.23	-0.27
		38	3.72	0.85	-1.69	-0.34	-0.50	1.27	-0.20	-1.36	-0.20	-1.36	0.02
38	33	39	79.20	123.12	2.77	18.79	107.10	40.88	0.29	-0.19	0.09	7.35e-03	-0.23
		47	79.73	123.81	2.40	18.81	107.40	-41.51	0.15	-0.39	-0.19	-0.05	0.26
		46	79.45	124.14	3.59	19.66	108.07	40.98	0.19	-0.35	-0.18	0.01	-0.25
		38	79.35	123.92	3.58	19.75	107.75	-41.04	0.33	-0.15	0.11	0.07	0.24
38	34	39	12.35	8.92	-3.52	8.71	-3.32	-1.59	3.29	1.00	1.00	3.29	-3.54e-03
		47	11.05	7.25	-3.68	6.84	-3.27	-2.09	3.00	0.94	0.94	3.00	0.03
		46	3.18	0.64	-0.60	-0.23	0.28	-0.56	-0.14	-1.29	-0.20	-1.23	-0.27
		38	3.53	1.04	-0.96	-0.20	0.27	0.97	-0.20	-1.36	-0.20	-1.36	0.02
38	35	39	78.63	122.24	2.75	18.65	106.33	40.59	0.28	-0.19	0.09	7.29e-03	-0.23
		47	79.16	122.92	2.38	18.67	106.62	-41.21	0.14	-0.38	-0.19	-0.05	0.25
		46	78.88	123.25	3.56	19.52	107.30	40.68	0.18	-0.35	-0.17	0.01	-0.25
		38	78.78	123.03	3.56	19.61	106.97	-40.75	0.33	-0.15	0.11	0.07	0.24
38	36	39	12.83	8.85	-4.36	8.58	-4.09	-1.88	3.29	1.00	1.00	3.29	-1.84e-03
		47	11.40	6.99	-4.33	6.70	-4.04	-1.79	3.00	0.94	0.94	3.00	0.03
		46	3.74	0.42	-1.30	-0.38	-0.50	-0.86	-0.14	-1.29	-0.20	-1.23	-0.27
		38	3.72	0.85	-1.69	-0.34	-0.50	1.27	-0.20	-1.36	-0.20	-1.36	0.02
38	37	39	79.20	123.12	2.77	18.79	107.10	40.88	0.29	-0.19	0.09	7.35e-03	-0.23
		47	79.73	123.81	2.40	18.81	107.40	-41.51	0.15	-0.39	-0.19	-0.05	0.26
		46	79.45	124.14	3.59	19.66	108.07	40.98	0.19	-0.35	-0.18	0.01	-0.25
		38	79.35	123.92	3.58	19.75	107.75	-41.04	0.33	-0.15	0.11	0.07	0.24
38	38	39	12.35	8.92	-3.52	8.71	-3.32	-1.59	3.29	1.00	1.00	3.29	-3.53e-03
		47	11.05	7.25	-3.68	6.84	-3.27	-2.09	3.00	0.94	0.94	3.00	0.03
		46	3.18	0.64	-0.60	-0.23	0.28	-0.56	-0.14	-1.29	-0.20	-1.23	-0.27
		38	3.53	1.04	-0.96	-0.20	0.27	0.97	-0.20	-1.36	-0.20	-1.36	0.02
38	39	39	0.16	-0.18	-0.29	-0.21	-0.26	-0.05	1.14e-03	-4.39e-03	-1.27e-03	-1.98e-03	2.74e-03
		47	0.20	-0.12	-0.33	-0.18	-0.27	-0.10	3.90e-04	-5.34e-03	-2.41e-03	-2.53e-03	-2.86e-03
		46	0.20	0.24	-0.08	0.05	0.11	-0.16	3.96e-03	-2.12e-03	9.17e-04	9.29e-04	3.04e-03
		38	0.09	0.13	0.02	0.05	0.11	-0.05	1.85e-03	-4.50e-03	-2.44e-03	-2.08e-04	-2.97e-03
38	40	39	0.17	-0.20	-0.30	-0.22	-0.28	-0.05	5.97e-04	-4.73e-03	-1.97e-03	-2.17e-03	2.66e-03
		47	0.21	-0.14	-0.35	-0.20	-0.28	-0.10	5.00e-06	-5.83e-03	-3.11e-03	-2.71e-03	-2.91e-03
		46	0.19	0.22	-0.09	0.04	0.09	-0.16	3.52e-03	-2.57e-03	2.04e-04	7.40e-04	3.03e-03
		38	0.08	0.11	8.07e-03	0.03	0.09	-0.04	1.47e-03	-5.02e-03	-3.16e-03	-3.98e-04	-2.94e-03
38	41	39	0.16	-0.18	-0.29	-0.21	-0.26	-0.05	1.11e-03	-4.38e-03	-1.28e-03	-1.98e-03	2.72e-03
		47	0.20	-0.12	-0.33	-0.18	-0.27	-0.10	3.90e-04	-5.36e-03	-2.42e-03	-2.54e-03	-2.87e-03
		46	0.20	0.24	-0.08	0.05	0.11	-0.16	3.95e-03	-2.14e-03	8.92e-04	7.40e-04	3.03e-03
		38	0.09	0.13	0.02	0.05	0.11	-0.05	1.85e-03	-4.53e-03	-2.47e-03	-2.13e-04	-2.98e-03
38	42	39	0.17	-0.20	-0.30	-0.22	-0.28	-0.05	5.71e-04	-4.73e-03	-1.99e-03	-2.17e-03	2.65e-03
		47	0.21	-0.14	-0.35	-0.20	-0.28	-0.10	4.60e-06	-5.85e-03	-3.13e-03	-2.72e-03	-2.92e-03
		46	0.19	0.22	-0.09	0.04	0.09	-0.16	3.50e-03	-2.59e-03	1.79e-04	7.25e-04	3.03e-03
		38	0.08	0.11	8.19e-03	0.03	0.09	-0.04	1.47e-03	-5.05e-03	-3.18e-03	-4.02e-04	-2.95e-03
38	43	39	0.16	-0.18	-0.29	-0.21	-0.26	-0.05	1.06e-03	-4.45e-03	-1.39e-03	-2.00e-03	2.74e-03

		47	0.20	-0.12	-0.33	-0.18	-0.27	-0.10	3.16e-04	-5.41e-03	-2.53e-03	-2.56e-03	-2.86e-03
		46	0.20	0.24	-0.08	0.05	0.11	-0.16	3.90e-03	-2.19e-03	8.04e-04	9.06e-04	3.04e-03
		38	0.09	0.14	0.02	0.05	0.11	-0.05	1.77e-03	-4.55e-03	-2.56e-03	-2.28e-04	-2.94e-03
38	44	39	0.17	-0.20	-0.30	-0.22	-0.28	-0.04	6.71e-04	-4.67e-03	-1.85e-03	-2.14e-03	2.66e-03
		47	0.21	-0.14	-0.34	-0.20	-0.28	-0.09	7.53e-05	-5.75e-03	-2.99e-03	-2.69e-03	-2.91e-03
		46	0.19	0.22	-0.09	0.04	0.10	-0.16	3.58e-03	-2.50e-03	3.17e-04	7.62e-04	3.03e-03
		38	0.08	0.11	9.47e-03	0.03	0.09	-0.04	1.55e-03	-4.97e-03	-3.04e-03	-3.78e-04	-2.97e-03
38	45	39	0.16	-0.18	-0.29	-0.21	-0.26	-0.05	1.04e-03	-4.44e-03	-1.40e-03	-2.01e-03	2.72e-03
		47	0.20	-0.12	-0.33	-0.18	-0.27	-0.10	3.16e-04	-5.43e-03	-2.55e-03	-2.57e-03	-2.87e-03
		46	0.20	0.24	-0.08	0.05	0.11	-0.16	3.88e-03	-2.21e-03	7.79e-04	8.92e-04	3.04e-03
		38	0.09	0.14	0.02	0.05	0.11	-0.05	1.76e-03	-4.58e-03	-2.58e-03	-2.32e-04	-2.95e-03
38	46	39	0.17	-0.20	-0.30	-0.22	-0.28	-0.04	6.45e-04	-4.66e-03	-1.87e-03	-2.15e-03	2.65e-03
		47	0.21	-0.14	-0.34	-0.20	-0.28	-0.09	7.49e-05	-5.77e-03	-3.01e-03	-2.69e-03	-2.92e-03
		46	0.19	0.22	-0.09	0.04	0.10	-0.16	3.56e-03	-2.52e-03	2.92e-04	7.48e-04	3.03e-03
		38	0.08	0.11	9.59e-03	0.03	0.09	-0.04	1.54e-03	-4.99e-03	-3.07e-03	-3.83e-04	-2.98e-03
38	47	39	0.16	-0.18	-0.29	-0.21	-0.26	-0.05	1.12e-03	-4.37e-03	-1.27e-03	-1.98e-03	2.72e-03
		47	0.20	-0.12	-0.33	-0.18	-0.27	-0.10	3.99e-04	-5.35e-03	-2.41e-03	-2.53e-03	-2.87e-03
		46	0.20	0.24	-0.08	0.05	0.11	-0.16	3.97e-03	-2.12e-03	9.16e-04	9.29e-04	3.04e-03
		38	0.09	0.13	0.02	0.05	0.11	-0.05	1.86e-03	-4.51e-03	-2.44e-03	-2.08e-04	-2.98e-03
38	48	39	0.17	-0.20	-0.30	-0.22	-0.28	-0.05	5.80e-04	-4.72e-03	-1.97e-03	-2.17e-03	2.65e-03
		47	0.21	-0.14	-0.35	-0.20	-0.28	-0.10	1.42e-05	-5.84e-03	-3.11e-03	-2.71e-03	-2.92e-03
		46	0.19	0.22	-0.09	0.04	0.09	-0.16	3.52e-03	-2.57e-03	2.03e-04	7.40e-04	3.03e-03
		38	0.08	0.11	8.07e-03	0.03	0.09	-0.04	1.47e-03	-5.03e-03	-3.16e-03	-3.98e-04	-2.94e-03
38	49	39	0.16	-0.18	-0.29	-0.21	-0.26	-0.05	1.13e-03	-4.39e-03	-1.28e-03	-1.98e-03	2.74e-03
		47	0.20	-0.12	-0.33	-0.18	-0.27	-0.10	3.80e-04	-5.35e-03	-2.42e-03	-2.54e-03	-2.86e-03
		46	0.20	0.24	-0.08	0.05	0.11	-0.16	3.95e-03	-2.14e-03	8.93e-04	9.14e-04	3.04e-03
		38	0.09	0.13	0.02	0.05	0.11	-0.05	1.84e-03	-4.52e-03	-2.47e-03	-2.12e-04	-2.97e-03
38	50	39	0.17	-0.20	-0.30	-0.22	-0.28	-0.05	5.88e-04	-4.74e-03	-1.98e-03	-2.17e-03	2.66e-03
		47	0.21	-0.14	-0.35	-0.20	-0.28	-0.10	-4.59e-06	-5.84e-03	-3.13e-03	-2.72e-03	-2.91e-03
		46	0.19	0.22	-0.09	0.04	0.09	-0.16	3.50e-03	-2.59e-03	1.80e-04	7.25e-04	3.03e-03
		38	0.08	0.11	8.18e-03	0.03	0.09	-0.04	1.46e-03	-5.04e-03	-3.18e-03	-4.02e-04	-2.94e-03
38	51	39	0.16	-0.18	-0.29	-0.21	-0.26	-0.05	1.05e-03	-4.44e-03	-1.39e-03	-2.00e-03	2.72e-03
		47	0.20	-0.12	-0.33	-0.18	-0.27	-0.10	3.26e-04	-5.42e-03	-2.53e-03	-2.56e-03	-2.87e-03
		46	0.20	0.24	-0.08	0.05	0.11	-0.16	3.90e-03	-2.19e-03	8.03e-04	9.07e-04	3.04e-03
		38	0.09	0.14	0.02	0.05	0.11	-0.05	1.77e-03	-4.56e-03	-2.56e-03	-2.28e-04	-2.94e-03
38	52	39	0.17	-0.20	-0.30	-0.22	-0.28	-0.04	6.54e-04	-4.65e-03	-1.85e-03	-2.15e-03	2.65e-03
		47	0.21	-0.14	-0.34	-0.20	-0.28	-0.09	8.45e-05	-5.76e-03	-2.99e-03	-2.69e-03	-2.92e-03
		46	0.19	0.22	-0.09	0.04	0.10	-0.16	3.58e-03	-2.50e-03	3.16e-04	7.62e-04	3.03e-03
		38	0.08	0.11	9.47e-03	0.03	0.09	-0.04	1.55e-03	-4.98e-03	-3.04e-03	-3.78e-04	-2.98e-03
38	53	39	0.16	-0.18	-0.29	-0.21	-0.26	-0.05	1.05e-03	-4.46e-03	-1.40e-03	-2.01e-03	2.74e-03
		47	0.20	-0.12	-0.33	-0.18	-0.27	-0.10	3.07e-04	-5.42e-03	-2.54e-03	-2.57e-03	-2.86e-03
		46	0.20	0.24	-0.08	0.05	0.11	-0.16	3.88e-03	-2.21e-03	7.79e-04	8.92e-04	3.04e-03
		38	0.09	0.14	0.02	0.05	0.11	-0.05	1.76e-03	-4.57e-03	-2.58e-03	-2.32e-04	-2.94e-03
38	54	39	0.17	-0.20	-0.30	-0.22	-0.28	-0.04	6.62e-04	-4.67e-03	-1.86e-03	-2.15e-03	2.66e-03
		47	0.21	-0.14	-0.34	-0.20	-0.28	-0.09	6.57e-05	-5.76e-03	-3.00e-03	-2.69e-03	-2.91e-03
		46	0.19	0.22	-0.09	0.04	0.10	-0.16	3.56e-03	-2.52e-03	2.93e-04	7.48e-04	3.03e-03
		38	0.08	0.11	9.58e-03	0.03	0.09	-0.04	1.54e-03	-4.99e-03	-3.07e-03	-3.82e-04	-2.97e-03
38	55	39	0.15	-0.16	-0.27	-0.19	-0.24	-0.05	1.79e-03	-4.01e-03	-4.50e-04	-1.76e-03	2.82e-03
		47	0.19	-0.10	-0.32	-0.17	-0.25	-0.10	8.70e-04	-4.80e-03	-1.60e-03	-2.33e-03	-2.81e-03
		46	0.21	0.26	-0.06	0.07	0.13	-0.16	4.51e-03	-1.62e-03	1.74e-03	1.14e-03	3.05e-03
		38	0.10	0.16	0.04	0.07	0.13	-0.05	2.32e-03	-3.93e-03	-1.62e-03	1.21e-05	-3.02e-03
38	56	39	0.19	-0.22	-0.32	-0.24	-0.30	-0.04	-1.45e-05	-5.17e-03	-2.80e-03	-2.39e-03	2.57e-03
		47	0.22	-0.15	-0.36	-0.21	-0.30	-0.09	-4.16e-04	-6.44e-03	-3.94e-03	-2.92e-03	-2.97e-03
		46	0.19	0.20	-0.11	0.02	0.07	-0.15	3.02e-03	-3.14e-03	-6.37e-04	5.14e-04	3.02e-03
		38	0.07	0.09	-0.01	0.01	0.06	-0.04	1.05e-03	-5.66e-03	-4.00e-03	-6.21e-04	-2.90e-03
38	57	39	0.15	-0.16	-0.27	-0.19	-0.24	-0.05	1.78e-03	-4.00e-03	-4.55e-04	-1.76e-03	2.82e-03
		47	0.19	-0.10	-0.32	-0.17	-0.25	-0.10	8.69e-04	-4.80e-03	-1.60e-03	-2.33e-03	-2.81e-03
		46	0.21	0.26	-0.06	0.07	0.13	-0.16	4.50e-03	-1.63e-03	1.73e-03	1.14e-03	3.05e-03
		38	0.10	0.16	0.04	0.07	0.13	-0.05	2.32e-03	-3.94e-03	-1.63e-03	1.07e-05	-3.02e-03
38	58	39	0.19	-0.22	-0.32	-0.24	-0.30	-0.04	-2.21e-05	-5.17e-03	-2.80e-03	-2.39e-03	2.56e-03
		47	0.22	-0.15	-0.36	-0.21	-0.30	-0.09	-4.16e-04	-6.45e-03	-3.94e-03	-2.93e-03	-2.97e-03
		46	0.19	0.20	-0.11	0.02	0.07	-0.15	3.01e-03	-3.15e-03	-6.45e-04	5.09e-04	3.02e-03
		38	0.07	0.09	-0.01	0.01	0.06	-0.04	1.04e-03	-5.67e-03	-4.00e-03	-6.22e-04	-2.90e-03
38	59	39	0.15	-0.16	-0.27	-0.19	-0.24	-0.05	1.79e-03	-4.00e-03	-4.50e-04	-1.76e-03	2.82e-03
		47	0.19	-0.10	-0.32	-0.17	-0.25	-0.10	8.72e-04	-4.80e-03	-1.60e-03	-2.33e-03	-2.81e-03
		46	0.21	0.26	-0.06	0.07	0.13	-0.16	4.51e-03	-1.62e-03	1.74e-03	1.14e-03	3.05e-03
		38	0.10	0.16	0.04	0.07	0.13	-0.05	2.32e-03	-3.93e-03	-1.62e-03	1.21e-05	-3.02e-03
38	60	39	0.19	-0.22	-0.32	-0.24	-0.30	-0.04	-1.95e-05	-5.16e-03	-2.80e-03	-2.39e-03	2.56e-03
		47	0.22	-0.15	-0.36	-0.21	-0.30	-0.09	-4.13e-04	-6.45e-03	-3.94e-03	-2.92e-03	-2.97e-03
		46	0.19	0.20	-0.11	0.02	0.07	-0.15	3.02e-03	-3.14e-03	-6.37e-04	5.14e-04	3.02e-03
		38	0.07	0.09	-0.01	0.01	0.06	-0.04	1.05e-03	-5.67e-03	-4.00e-03	-6.21e-04	-2.90e-03
38	61	39	0.15	-0.16	-0.27	-0.19	-0.24	-0.05	1.79e-03	-4.01e-03	-4.54e-04	-1.76e-03	2.82e-03
		47	0.19	-0.10	-0.32	-0.17	-0.25	-0.10	8.67e-04	-4.80e-03	-1.60e-03	-2.33e-03	-2.81e-03
		46	0.21	0.26	-0.06	0.07	0.13	-0.16	4.50e-03	-1.63e-03	1.73e-03	1.14e-03	3.05e-03
		38	0.10	0.16	0.04	0.07	0.13	-0.05	2.32e-03	-3.93e-03	-1.63e-03	1.08e-05	-3.02e-03
38	62	39	0.19	-0.22	-0.32	-0.24	-0.30	-0.04	-1.71e-05	-5.17e-03	-2.80e-03	-2.39e-03	2.57e-03
		47	0.22	-0.15	-0.36	-0.21	-0.30	-0.09	-4.19e-04	-6.45e-03	-3.94e-03	-2.93e-03	-2.97e-03

		46	0.19	0.20	-0.11	0.02	0.07	-0.15	3.01e-03	-3.15e-03	-6.44e-04	5.09e-04	3.02e-03
		38	0.07	0.09	-0.01	0.01	0.06	-0.04	1.04e-03	-5.67e-03	-4.00e-03	-6.22e-04	-2.90e-03
38	63	39	0.16	-0.16	-0.27	-0.19	-0.24	-0.05	1.52e-03	-4.21e-03	-8.48e-04	-1.84e-03	2.82e-03
		47	0.20	-0.10	-0.32	-0.17	-0.25	-0.10	6.10e-04	-5.03e-03	-2.00e-03	-2.42e-03	-2.81e-03
		46	0.21	0.26	-0.07	0.07	0.13	-0.16	4.27e-03	-1.84e-03	1.36e-03	1.07e-03	3.05e-03
		38	0.10	0.16	0.04	0.07	0.13	-0.05	2.03e-03	-4.08e-03	-1.99e-03	-5.40e-05	-2.90e-03
38	64	39	0.19	-0.22	-0.32	-0.24	-0.30	-0.04	2.16e-04	-4.93e-03	-2.40e-03	-2.31e-03	2.57e-03
		47	0.21	-0.15	-0.35	-0.21	-0.30	-0.09	-1.94e-04	-6.17e-03	-3.53e-03	-2.83e-03	-2.97e-03
		46	0.19	0.20	-0.10	0.02	0.08	-0.15	3.22e-03	-2.89e-03	-2.59e-04	5.89e-04	3.02e-03
		38	0.07	0.08	-6.74e-03	0.01	0.06	-0.04	1.30e-03	-5.47e-03	-3.62e-03	-5.55e-04	-3.02e-03
38	65	39	0.16	-0.16	-0.27	-0.19	-0.24	-0.05	1.51e-03	-4.21e-03	-8.53e-04	-1.84e-03	2.82e-03
		47	0.20	-0.10	-0.32	-0.17	-0.25	-0.10	6.10e-04	-5.03e-03	-2.00e-03	-2.42e-03	-2.81e-03
		46	0.21	0.26	-0.07	0.07	0.13	-0.16	4.27e-03	-1.85e-03	1.35e-03	1.07e-03	3.05e-03
		38	0.10	0.16	0.04	0.07	0.13	-0.05	2.03e-03	-4.09e-03	-2.00e-03	-5.54e-05	-2.90e-03
38	66	39	0.19	-0.22	-0.32	-0.24	-0.30	-0.04	2.09e-04	-4.92e-03	-2.40e-03	-2.31e-03	2.57e-03
		47	0.21	-0.15	-0.35	-0.21	-0.30	-0.09	-1.94e-04	-6.18e-03	-3.54e-03	-2.84e-03	-2.97e-03
		46	0.19	0.20	-0.10	0.02	0.08	-0.15	3.21e-03	-2.89e-03	-2.67e-04	5.85e-04	3.02e-03
		38	0.07	0.08	-6.70e-03	0.01	0.06	-0.04	1.29e-03	-5.48e-03	-3.63e-03	-5.56e-04	-3.02e-03
38	67	39	0.16	-0.16	-0.27	-0.19	-0.24	-0.05	1.52e-03	-4.20e-03	-8.48e-04	-1.84e-03	2.82e-03
		47	0.20	-0.10	-0.32	-0.17	-0.25	-0.10	6.13e-04	-5.03e-03	-2.00e-03	-2.42e-03	-2.81e-03
		46	0.21	0.26	-0.07	0.07	0.13	-0.16	4.27e-03	-1.84e-03	1.36e-03	1.07e-03	3.05e-03
		38	0.10	0.16	0.04	0.07	0.13	-0.05	2.03e-03	-4.08e-03	-1.99e-03	-5.41e-05	-2.90e-03
38	68	39	0.19	-0.22	-0.32	-0.24	-0.30	-0.04	2.11e-04	-4.92e-03	-2.40e-03	-2.31e-03	2.57e-03
		47	0.21	-0.15	-0.35	-0.21	-0.30	-0.09	-1.92e-04	-6.18e-03	-3.53e-03	-2.83e-03	-2.97e-03
		46	0.19	0.20	-0.10	0.02	0.08	-0.15	3.22e-03	-2.89e-03	-2.59e-04	5.89e-04	3.02e-03
		38	0.07	0.08	-6.74e-03	0.01	0.06	-0.04	1.30e-03	-5.47e-03	-3.62e-03	-5.55e-04	-3.02e-03
38	69	39	0.16	-0.16	-0.27	-0.19	-0.24	-0.05	1.52e-03	-4.21e-03	-8.52e-04	-1.84e-03	2.82e-03
		47	0.20	-0.10	-0.32	-0.17	-0.25	-0.10	6.07e-04	-5.03e-03	-2.00e-03	-2.42e-03	-2.81e-03
		46	0.21	0.26	-0.07	0.07	0.13	-0.16	4.27e-03	-1.85e-03	1.36e-03	1.07e-03	3.05e-03
		38	0.10	0.16	0.04	0.07	0.13	-0.05	2.03e-03	-4.09e-03	-2.00e-03	-5.54e-05	-2.90e-03
38	70	39	0.19	-0.22	-0.32	-0.24	-0.30	-0.04	2.14e-04	-4.93e-03	-2.40e-03	-2.31e-03	2.57e-03
		47	0.21	-0.15	-0.35	-0.21	-0.30	-0.09	-1.97e-04	-6.18e-03	-3.54e-03	-2.84e-03	-2.97e-03
		46	0.19	0.20	-0.10	0.02	0.08	-0.15	3.21e-03	-2.89e-03	-2.66e-04	5.84e-04	3.02e-03
		38	0.07	0.08	-6.70e-03	0.01	0.06	-0.04	1.29e-03	-5.48e-03	-3.63e-03	-5.56e-04	-3.02e-03
38	71	39	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		47	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
38	72	39	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		47	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
38	73	39	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		47	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
38	74	39	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		47	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
38	75	39	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		47	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
38	76	39	0.17	-0.19	-0.30	-0.22	-0.27	-0.05	8.53e-04	-4.55e-03	-1.63e-03	-2.08e-03	2.69e-03
		47	0.20	-0.13	-0.34	-0.19	-0.28	-0.10	1.94e-04	-5.59e-03	-2.77e-03	-2.63e-03	-2.89e-03
		46	0.20	0.23	-0.09	0.04	0.10	-0.16	3.73e-03	-2.35e-03	5.48e-04	8.27e-04	3.04e-03
		38	0.08	0.12	0.02	0.04	0.10	-0.05	1.66e-03	-4.77e-03	-2.81e-03	-3.05e-04	-2.96e-03
39	1	40	0.23	-0.31	-0.38	-0.32	-0.36	-0.03	6.94e-03	-0.01	-4.83e-03	5.81e-04	8.65e-03
		48	0.22	-0.27	-0.38	-0.28	-0.37	0.03	7.82e-03	-0.01	-3.14e-03	5.04e-04	-8.96e-03
		47	0.24	-9.81e-03	-0.33	-0.17	-0.17	-0.16	6.48e-03	-0.01	-2.31e-03	-2.16e-03	8.71e-03
		39	0.15	-0.16	-0.22	-0.21	-0.17	-0.02	3.64e-03	-0.01	-7.21e-03	-3.59e-03	-8.85e-03
39	2	40	0.23	-0.31	-0.38	-0.32	-0.36	-0.03	6.94e-03	-0.01	-4.83e-03	5.81e-04	8.65e-03
		48	0.22	-0.27	-0.38	-0.28	-0.37	0.03	7.82e-03	-0.01	-3.14e-03	5.04e-04	-8.96e-03
		47	0.24	-9.81e-03	-0.33	-0.17	-0.17	-0.16	6.48e-03	-0.01	-2.31e-03	-2.16e-03	8.71e-03
		39	0.15	-0.16	-0.22	-0.21	-0.17	-0.02	3.64e-03	-0.01	-7.21e-03	-3.59e-03	-8.85e-03
39	3	40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
		47	0.19	-7.55e-03	-0.25	-0.13	-0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		39	0.12	-0.12	-0.17	-0.16	-0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
39	4	40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
		47	0.19	-7.55e-03	-0.25	-0.13	-0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		39	0.12	-0.12	-0.17	-0.16	-0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
39	5	40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
		47	0.19	-7.55e-03	-0.25	-0.13	-0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03

		39	0.12	-0.12	-0.17	-0.16	-0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
39	6	40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	6.65e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	-6.89e-03
		47	0.19	-7.55e-03	-0.25	-0.13	-0.13	-0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	6.70e-03
		39	0.12	-0.12	-0.17	-0.16	-0.13	-0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	-6.81e-03
39	7	40	20.44	31.65	0.41	4.55	27.51	10.59	0.06	-0.05	0.01	-5.69e-03	-0.05
		48	20.51	31.78	0.42	4.61	27.58	-10.67	0.02	-0.10	-0.06	-0.02	0.06
		47	20.46	31.89	0.77	4.84	27.81	10.50	0.03	-0.09	-0.05	-0.01	-0.06
		39	20.54	31.91	0.62	4.81	27.72	-10.65	0.06	-0.05	0.02	8.34e-04	0.05
39	8	40	8.45	-6.03	-11.05	-8.49	-8.59	-2.51	-0.44	-1.38	-0.45	-1.38	0.06
		48	8.01	-5.98	-10.12	-7.32	-8.78	1.94	-0.36	-1.26	-0.36	-1.26	-7.65e-03
		47	8.49	4.01	-7.66	2.11	-5.76	-4.31	0.98	0.21	0.24	0.95	0.14
		39	7.49	3.21	-6.46	2.63	-5.88	2.29	1.04	0.25	0.26	1.04	-0.04
39	9	40	22.34	34.59	0.47	5.00	30.07	11.57	0.06	-0.06	0.02	-6.23e-03	-0.06
		48	22.41	34.73	0.47	5.05	30.15	-11.66	0.02	-0.11	-0.06	-0.02	0.06
		47	22.36	34.84	0.84	5.30	30.39	11.48	0.03	-0.10	-0.06	-0.01	-0.06
		39	22.43	34.86	0.70	5.27	30.29	-11.63	0.07	-0.05	0.02	1.13e-03	0.06
39	10	40	7.04	-5.21	-8.87	-8.05	-6.03	-1.53	-0.44	-1.38	-0.45	-1.38	0.06
		48	6.53	-5.53	-7.55	-6.87	-6.21	0.95	-0.37	-1.26	-0.37	-1.26	-1.71e-03
		47	6.65	4.09	-4.71	2.57	-3.19	-3.33	0.98	0.20	0.23	0.95	0.14
		39	5.76	3.34	-3.57	3.09	-3.31	1.31	1.04	0.26	0.26	1.04	-0.04
39	11	40	20.44	31.64	0.42	4.55	27.51	10.59	0.06	-0.05	0.01	-5.67e-03	-0.05
		48	20.52	31.78	0.41	4.61	27.58	-10.68	0.02	-0.10	-0.06	-0.02	0.06
		47	20.45	31.88	0.77	4.84	27.81	10.49	0.03	-0.09	-0.05	-0.01	-0.06
		39	20.54	31.92	0.62	4.81	27.72	-10.66	0.06	-0.05	0.02	3.04e-04	0.05
39	12	40	8.45	-6.04	-11.04	-8.49	-8.59	-2.50	-0.44	-1.38	-0.45	-1.38	0.06
		48	8.01	-5.97	-10.12	-7.32	-8.77	1.94	-0.36	-1.26	-0.36	-1.26	-7.66e-03
		47	8.48	4.01	-7.65	2.11	-5.76	-4.30	0.98	0.21	0.24	0.95	0.14
		39	7.50	3.21	-6.46	2.63	-5.88	2.30	1.04	0.25	0.26	1.04	-0.04
39	13	40	22.34	34.59	0.47	5.00	30.07	11.57	0.06	-0.06	0.02	-6.21e-03	-0.06
		48	22.42	34.73	0.47	5.05	30.15	-11.66	0.02	-0.11	-0.06	-0.02	0.06
		47	22.35	34.84	0.84	5.30	30.39	11.47	0.03	-0.10	-0.06	-0.01	-0.06
		39	22.44	34.87	0.69	5.27	30.29	-11.64	0.07	-0.05	0.02	6.00e-04	0.06
39	14	40	7.04	-5.21	-8.87	-8.05	-6.03	-1.52	-0.44	-1.38	-0.45	-1.38	0.06
		48	6.53	-5.53	-7.55	-6.87	-6.21	0.96	-0.37	-1.26	-0.37	-1.26	-1.72e-03
		47	6.65	4.09	-4.70	2.57	-3.18	-3.32	0.98	0.20	0.23	0.95	0.14
		39	5.76	3.35	-3.57	3.09	-3.31	1.32	1.04	0.26	0.26	1.04	-0.04
39	15	40	20.44	31.65	0.41	4.55	27.51	10.59	0.06	-0.05	0.01	-5.69e-03	-0.05
		48	20.51	31.78	0.42	4.61	27.58	-10.67	0.02	-0.10	-0.06	-0.02	0.06
		47	20.46	31.89	0.77	4.84	27.81	10.50	0.03	-0.09	-0.05	-0.01	-0.06
		39	20.54	31.91	0.62	4.81	27.72	-10.65	0.06	-0.05	0.02	8.33e-04	0.05
39	16	40	8.45	-6.03	-11.05	-8.49	-8.59	-2.51	-0.44	-1.38	-0.45	-1.38	0.06
		48	8.01	-5.98	-10.12	-7.32	-8.78	1.94	-0.36	-1.26	-0.36	-1.26	-7.61e-03
		47	8.49	4.01	-7.66	2.11	-5.76	-4.31	0.98	0.21	0.24	0.95	0.14
		39	7.49	3.21	-6.46	2.63	-5.88	2.29	1.04	0.25	0.26	1.04	-0.04
39	17	40	22.34	34.59	0.47	5.00	30.07	11.57	0.06	-0.06	0.02	-6.23e-03	-0.06
		48	22.41	34.73	0.47	5.05	30.15	-11.66	0.02	-0.11	-0.06	-0.02	0.06
		47	22.36	34.84	0.84	5.30	30.39	11.48	0.03	-0.10	-0.06	-0.01	-0.06
		39	22.43	34.86	0.70	5.27	30.29	-11.63	0.07	-0.05	0.02	1.13e-03	0.06
39	18	40	7.04	-5.21	-8.87	-8.05	-6.03	-1.53	-0.44	-1.38	-0.45	-1.38	0.06
		48	6.53	-5.53	-7.55	-6.87	-6.21	0.95	-0.37	-1.26	-0.37	-1.26	-1.74e-03
		47	6.65	4.09	-4.71	2.57	-3.19	-3.33	0.98	0.20	0.23	0.95	0.14
		39	5.76	3.34	-3.57	3.09	-3.31	1.31	1.04	0.26	0.26	1.04	-0.04
39	19	40	20.44	31.64	0.42	4.55	27.51	10.59	0.06	-0.05	0.01	-5.67e-03	-0.05
		48	20.52	31.78	0.41	4.61	27.58	-10.68	0.02	-0.10	-0.06	-0.02	0.06
		47	20.45	31.88	0.77	4.84	27.81	10.49	0.03	-0.09	-0.05	-0.01	-0.06
		39	20.54	31.92	0.62	4.81	27.72	-10.66	0.06	-0.05	0.02	3.03e-04	0.05
39	20	40	8.45	-6.04	-11.04	-8.49	-8.59	-2.50	-0.44	-1.38	-0.45	-1.38	0.06
		48	8.01	-5.97	-10.12	-7.32	-8.77	1.94	-0.36	-1.26	-0.36	-1.26	-7.62e-03
		47	8.48	4.01	-7.65	2.11	-5.76	-4.30	0.98	0.21	0.24	0.95	0.14
		39	7.50	3.21	-6.46	2.63	-5.88	2.30	1.04	0.25	0.26	1.04	-0.04
39	21	40	22.34	34.59	0.47	5.00	30.07	11.57	0.06	-0.06	0.02	-6.21e-03	-0.06
		48	22.42	34.73	0.47	5.05	30.15	-11.66	0.02	-0.11	-0.06	-0.02	0.06
		47	22.35	34.84	0.84	5.30	30.39	11.47	0.03	-0.10	-0.06	-0.01	-0.06
		39	22.44	34.87	0.69	5.27	30.29	-11.64	0.07	-0.05	0.02	6.01e-04	0.06
39	22	40	7.04	-5.21	-8.87	-8.05	-6.03	-1.52	-0.44	-1.38	-0.45	-1.38	0.06
		48	6.53	-5.53	-7.55	-6.87	-6.21	0.96	-0.37	-1.26	-0.37	-1.26	-1.75e-03
		47	6.65	4.09	-4.70	2.57	-3.18	-3.32	0.98	0.20	0.23	0.95	0.14
		39	5.76	3.35	-3.57	3.09	-3.31	1.32	1.04	0.26	0.26	1.04	-0.04
39	23	40	78.52	121.79	2.23	18.10	105.93	40.56	0.25	-0.21	0.06	-0.02	-0.22
		48	78.80	122.28	2.18	18.22	106.24	-40.85	0.10	-0.39	-0.21	-0.08	0.24
		47	78.60	122.49	3.06	18.87	106.68	40.48	0.13	-0.37	-0.20	-0.04	-0.23
		39	78.62	122.33	2.85	18.83	106.34	-40.68	0.27	-0.18	0.08	0.01	0.22
39	24	40	20.63	-13.57	-26.21	-25.38	-14.39	-3.12	-1.47	-4.61	-1.48	-4.60	0.16
		48	18.82	-14.76	-21.75	-21.54	-14.96	1.17	-1.24	-4.20	-1.24	-4.20	0.02
		47	18.32	13.88	-9.34	9.77	-5.22	-8.86	3.25	0.69	0.76	3.18	0.44
		39	15.94	11.91	-6.01	11.56	-5.66	2.47	3.47	0.87	0.88	3.46	-0.10

39	25	40	79.09	122.68	2.25	18.23	106.69	40.86	0.25	-0.21	0.06	-0.02	-0.22
		48	79.38	123.16	2.19	18.35	107.01	-41.15	0.10	-0.39	-0.21	-0.08	0.24
		47	79.17	123.38	3.08	19.00	107.46	40.77	0.13	-0.37	-0.20	-0.04	-0.24
		39	79.19	123.21	2.87	18.97	107.11	-40.97	0.27	-0.18	0.08	0.01	0.23
39	26	40	20.29	-12.97	-25.90	-25.25	-13.62	-2.82	-1.47	-4.61	-1.48	-4.60	0.16
		48	18.47	-14.08	-21.51	-21.41	-14.19	0.88	-1.24	-4.21	-1.24	-4.21	0.02
		47	17.79	13.91	-8.45	9.90	-4.45	-8.57	3.25	0.69	0.76	3.18	0.43
		39	15.47	11.98	-5.17	11.69	-4.89	2.18	3.47	0.87	0.88	3.46	-0.10
39	27	40	78.52	121.79	2.23	18.10	105.93	40.56	0.25	-0.21	0.06	-0.02	-0.22
		48	78.80	122.28	2.18	18.22	106.24	-40.85	0.10	-0.39	-0.21	-0.08	0.24
		47	78.60	122.49	3.06	18.87	106.68	40.48	0.13	-0.37	-0.20	-0.04	-0.23
		39	78.62	122.33	2.85	18.83	106.34	-40.68	0.27	-0.18	0.08	0.01	0.22
39	28	40	20.63	-13.57	-26.21	-25.38	-14.39	-3.12	-1.47	-4.61	-1.48	-4.60	0.16
		48	18.82	-14.76	-21.75	-21.54	-14.96	1.17	-1.24	-4.20	-1.24	-4.20	0.02
		47	18.32	13.88	-9.34	9.77	-5.22	-8.86	3.25	0.69	0.76	3.18	0.44
		39	15.94	11.91	-6.01	11.56	-5.66	2.47	3.47	0.87	0.88	3.46	-0.10
39	29	40	79.09	122.68	2.25	18.23	106.69	40.86	0.25	-0.21	0.06	-0.02	-0.22
		48	79.38	123.16	2.19	18.35	107.01	-41.15	0.10	-0.39	-0.21	-0.08	0.24
		47	79.17	123.38	3.08	19.00	107.46	40.77	0.13	-0.37	-0.20	-0.04	-0.24
		39	79.19	123.21	2.87	18.97	107.11	-40.97	0.27	-0.18	0.08	0.01	0.23
39	30	40	20.29	-12.97	-25.90	-25.25	-13.62	-2.82	-1.47	-4.61	-1.48	-4.60	0.16
		48	18.47	-14.08	-21.51	-21.41	-14.19	0.88	-1.24	-4.21	-1.24	-4.21	0.02
		47	17.79	13.91	-8.45	9.90	-4.45	-8.57	3.25	0.69	0.76	3.18	0.43
		39	15.47	11.98	-5.17	11.69	-4.89	2.18	3.47	0.87	0.88	3.46	-0.10
39	31	40	78.51	121.78	2.25	18.10	105.93	40.54	0.25	-0.21	0.06	-0.02	-0.22
		48	78.82	122.29	2.16	18.22	106.23	-40.88	0.10	-0.39	-0.21	-0.08	0.24
		47	78.58	122.47	3.07	18.86	106.68	40.45	0.12	-0.37	-0.20	-0.05	-0.23
		39	78.64	122.34	2.83	18.83	106.34	-40.70	0.27	-0.18	0.08	9.07e-03	0.22
39	32	40	20.62	-13.58	-26.20	-25.38	-14.39	-3.09	-1.47	-4.61	-1.48	-4.60	0.16
		48	18.82	-14.74	-21.75	-21.54	-14.95	1.20	-1.23	-4.20	-1.24	-4.20	0.02
		47	18.31	13.87	-9.31	9.77	-5.22	-8.84	3.25	0.69	0.76	3.18	0.44
		39	15.95	11.91	-6.01	11.56	-5.66	2.50	3.47	0.87	0.88	3.47	-0.10
39	33	40	79.08	122.66	2.27	18.23	106.69	40.83	0.25	-0.21	0.06	-0.02	-0.22
		48	79.39	123.17	2.18	18.35	107.00	-41.17	0.10	-0.39	-0.21	-0.08	0.24
		47	79.15	123.36	3.09	19.00	107.45	40.75	0.12	-0.37	-0.20	-0.05	-0.24
		39	79.21	123.23	2.85	18.97	107.11	-40.99	0.27	-0.19	0.08	9.16e-03	0.23
39	34	40	20.28	-12.98	-25.89	-25.25	-13.62	-2.80	-1.47	-4.61	-1.48	-4.60	0.16
		48	18.46	-14.07	-21.52	-21.41	-14.18	0.90	-1.24	-4.21	-1.24	-4.21	0.02
		47	17.78	13.89	-8.43	9.91	-4.45	-8.55	3.25	0.69	0.76	3.18	0.43
		39	15.48	11.98	-5.18	11.70	-4.89	2.20	3.47	0.87	0.88	3.47	-0.10
39	35	40	78.51	121.78	2.25	18.10	105.93	40.54	0.25	-0.21	0.06	-0.02	-0.22
		48	78.82	122.29	2.16	18.22	106.23	-40.88	0.10	-0.39	-0.21	-0.08	0.24
		47	78.58	122.47	3.07	18.86	106.68	40.45	0.12	-0.37	-0.20	-0.05	-0.23
		39	78.64	122.34	2.83	18.83	106.34	-40.70	0.27	-0.18	0.08	9.07e-03	0.22
39	36	40	20.62	-13.58	-26.20	-25.38	-14.39	-3.09	-1.47	-4.61	-1.48	-4.60	0.16
		48	18.82	-14.74	-21.75	-21.54	-14.95	1.20	-1.23	-4.20	-1.24	-4.20	0.02
		47	18.31	13.87	-9.31	9.77	-5.22	-8.84	3.25	0.69	0.76	3.18	0.44
		39	15.95	11.91	-6.01	11.56	-5.66	2.50	3.47	0.87	0.88	3.47	-0.10
39	37	40	79.08	122.66	2.27	18.23	106.69	40.83	0.25	-0.21	0.06	-0.02	-0.22
		48	79.39	123.17	2.18	18.35	107.00	-41.17	0.10	-0.39	-0.21	-0.08	0.24
		47	79.15	123.36	3.09	19.00	107.45	40.75	0.12	-0.37	-0.20	-0.05	-0.24
		39	79.21	123.23	2.85	18.97	107.11	-40.99	0.27	-0.19	0.08	9.16e-03	0.23
39	38	40	20.28	-12.98	-25.89	-25.25	-13.62	-2.80	-1.47	-4.61	-1.48	-4.60	0.16
		48	18.46	-14.07	-21.52	-21.41	-14.18	0.90	-1.24	-4.21	-1.24	-4.21	0.02
		47	17.78	13.89	-8.43	9.91	-4.45	-8.55	3.25	0.69	0.76	3.18	0.43
		39	15.48	11.98	-5.18	11.70	-4.89	2.20	3.47	0.87	0.88	3.47	-0.10
39	39	40	0.18	-0.23	-0.29	-0.25	-0.28	-0.03	5.37e-03	-8.59e-03	-3.57e-03	3.51e-04	6.70e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	6.00e-03	-7.97e-03	-2.27e-03	3.02e-04	-6.86e-03
		47	0.19	1.66e-04	-0.25	-0.12	-0.13	-0.13	5.16e-03	-8.30e-03	-1.59e-03	-1.54e-03	6.73e-03
		39	0.11	-0.12	-0.16	-0.15	-0.13	-0.02	2.91e-03	-0.01	-5.36e-03	-2.66e-03	-6.79e-03
39	40	40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.32e-03	-8.63e-03	-3.86e-03	5.44e-04	6.62e-03
		48	0.18	-0.21	-0.29	-0.21	-0.29	0.02	6.07e-03	-8.12e-03	-2.56e-03	4.98e-04	-6.93e-03
		47	0.18	-0.02	-0.26	-0.14	-0.14	-0.12	4.84e-03	-8.53e-03	-1.94e-03	-1.76e-03	6.69e-03
		39	0.12	-0.13	-0.17	-0.16	-0.14	-0.01	2.68e-03	-0.01	-5.71e-03	-2.86e-03	-6.82e-03
39	41	40	0.18	-0.23	-0.29	-0.25	-0.28	-0.03	5.35e-03	-8.57e-03	-3.57e-03	3.51e-04	6.68e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.97e-03	-7.97e-03	-2.28e-03	2.77e-04	-6.85e-03
		47	0.19	1.43e-04	-0.25	-0.12	-0.13	-0.13	5.13e-03	-8.31e-03	-1.62e-03	-1.57e-03	6.72e-03
		39	0.11	-0.12	-0.16	-0.15	-0.13	-0.02	2.91e-03	-0.01	-5.38e-03	-2.67e-03	-6.80e-03
39	42	40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.31e-03	-8.62e-03	-3.86e-03	5.44e-04	6.61e-03
		48	0.18	-0.21	-0.29	-0.21	-0.29	0.02	6.04e-03	-8.12e-03	-2.56e-03	4.74e-04	-6.92e-03
		47	0.18	-0.02	-0.26	-0.14	-0.14	-0.12	4.81e-03	-8.55e-03	-1.96e-03	-1.78e-03	6.72e-03
		39	0.12	-0.13	-0.17	-0.16	-0.14	-0.01	2.68e-03	-0.01	-5.72e-03	-2.87e-03	-6.83e-03
39	43	40	0.18	-0.23	-0.29	-0.25	-0.28	-0.03	5.35e-03	-8.62e-03	-3.63e-03	3.58e-04	6.70e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.97e-03	-8.00e-03	-2.33e-03	3.01e-04	-6.86e-03
		47	0.19	2.12e-03	-0.26	-0.13	-0.13	-0.13	5.04e-03	-8.43e-03	-1.63e-03	-1.76e-03	6.73e-03
		39	0.12	-0.12	-0.16	-0.15	-0.13	-0.02	2.78e-03	-0.01	-5.40e-03	-2.86e-03	-6.79e-03
39	44	40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.34e-03	-8.60e-03	-3.80e-03	5.37e-04	6.62e-03

		48	0.18	-0.20	-0.30	-0.21	-0.29	0.03	6.09e-03	-8.09e-03	-2.50e-03	4.99e-04	-6.93e-03
		47	0.18	-0.02	-0.25	-0.14	-0.13	-0.12	4.96e-03	-8.40e-03	-1.90e-03	-1.54e-03	6.68e-03
		39	0.12	-0.13	-0.17	-0.16	-0.14	-9.98e-03	2.82e-03	-0.01	-5.67e-03	-2.67e-03	-6.82e-03
39	45	40	0.18	-0.23	-0.29	-0.25	-0.28	-0.03	5.34e-03	-8.61e-03	-3.63e-03	3.58e-04	6.68e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.94e-03	-8.00e-03	-2.33e-03	2.76e-04	-6.85e-03
		47	0.19	2.09e-03	-0.26	-0.13	-0.13	-0.13	5.00e-03	-8.44e-03	-1.65e-03	-1.79e-03	6.72e-03
		39	0.12	-0.12	-0.16	-0.15	-0.13	-0.02	2.77e-03	-0.01	-5.42e-03	-2.86e-03	-6.80e-03
39	46	40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.32e-03	-8.58e-03	-3.80e-03	5.37e-04	6.61e-03
		48	0.18	-0.20	-0.30	-0.21	-0.29	0.03	6.06e-03	-8.09e-03	-2.50e-03	4.75e-04	-6.92e-03
		47	0.18	-0.02	-0.25	-0.14	-0.13	-0.12	4.93e-03	-8.42e-03	-1.92e-03	-1.57e-03	6.67e-03
		39	0.12	-0.13	-0.17	-0.16	-0.14	-9.92e-03	2.82e-03	-0.01	-5.68e-03	-2.67e-03	-6.83e-03
39	47	40	0.18	-0.23	-0.29	-0.25	-0.28	-0.03	5.36e-03	-8.57e-03	-3.57e-03	3.51e-04	6.68e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.99e-03	-7.95e-03	-2.27e-03	3.01e-04	-6.85e-03
		47	0.19	1.28e-04	-0.25	-0.12	-0.13	-0.13	5.15e-03	-8.29e-03	-1.59e-03	-1.55e-03	6.72e-03
		39	0.11	-0.12	-0.16	-0.15	-0.13	-0.02	2.92e-03	-0.01	-5.36e-03	-2.66e-03	-6.80e-03
39	48	40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.31e-03	-8.62e-03	-3.85e-03	5.44e-04	6.61e-03
		48	0.18	-0.21	-0.29	-0.21	-0.29	0.02	6.05e-03	-8.11e-03	-2.55e-03	4.98e-04	-6.92e-03
		47	0.18	-0.02	-0.26	-0.14	-0.14	-0.12	4.83e-03	-8.53e-03	-1.94e-03	-1.76e-03	6.68e-03
		39	0.12	-0.13	-0.17	-0.16	-0.14	-0.01	2.69e-03	-0.01	-5.71e-03	-2.86e-03	-6.83e-03
39	49	40	0.18	-0.23	-0.29	-0.25	-0.28	-0.03	5.37e-03	-8.59e-03	-3.57e-03	5.41e-04	6.70e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.98e-03	-7.98e-03	-2.28e-03	2.78e-04	-6.86e-03
		47	0.19	1.81e-04	-0.25	-0.12	-0.13	-0.13	5.13e-03	-8.32e-03	-1.61e-03	-1.57e-03	6.73e-03
		39	0.11	-0.12	-0.16	-0.15	-0.13	-0.02	2.91e-03	-0.01	-5.38e-03	-2.67e-03	-6.79e-03
39	50	40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.32e-03	-8.64e-03	-3.86e-03	5.43e-04	6.62e-03
		48	0.18	-0.21	-0.29	-0.21	-0.29	0.02	6.05e-03	-8.14e-03	-2.56e-03	4.74e-04	-6.93e-03
		47	0.18	-0.02	-0.26	-0.14	-0.14	-0.12	4.82e-03	-8.56e-03	-1.96e-03	-1.78e-03	6.69e-03
		39	0.12	-0.13	-0.17	-0.16	-0.14	-0.01	2.67e-03	-0.01	-5.72e-03	-2.87e-03	-6.82e-03
39	51	40	0.18	-0.23	-0.29	-0.25	-0.28	-0.03	5.34e-03	-8.61e-03	-3.63e-03	3.58e-04	6.68e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.96e-03	-7.99e-03	-2.33e-03	3.01e-04	-6.85e-03
		47	0.19	2.08e-03	-0.26	-0.13	-0.13	-0.13	5.03e-03	-8.42e-03	-1.63e-03	-1.76e-03	6.72e-03
		39	0.12	-0.12	-0.16	-0.15	-0.13	-0.02	2.78e-03	-0.01	-5.40e-03	-2.86e-03	-6.80e-03
39	52	40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.32e-03	-8.58e-03	-3.80e-03	5.37e-04	6.61e-03
		48	0.18	-0.20	-0.30	-0.21	-0.29	0.03	6.08e-03	-8.08e-03	-2.50e-03	4.99e-04	-6.92e-03
		47	0.18	-0.02	-0.25	-0.14	-0.13	-0.12	4.95e-03	-8.40e-03	-1.90e-03	-1.54e-03	6.67e-03
		39	0.12	-0.13	-0.17	-0.16	-0.14	-9.94e-03	2.83e-03	-0.01	-5.67e-03	-2.67e-03	-6.83e-03
39	53	40	0.18	-0.23	-0.29	-0.25	-0.28	-0.03	5.35e-03	-8.62e-03	-3.63e-03	3.57e-04	6.70e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.95e-03	-8.01e-03	-2.33e-03	3.01e-04	-6.86e-03
		47	0.19	2.13e-03	-0.26	-0.13	-0.13	-0.13	5.01e-03	-8.45e-03	-1.65e-03	-1.79e-03	6.73e-03
		39	0.12	-0.12	-0.16	-0.15	-0.13	-0.02	2.77e-03	-0.01	-5.42e-03	-2.86e-03	-6.79e-03
39	54	40	0.18	-0.24	-0.29	-0.25	-0.28	-0.02	5.34e-03	-8.60e-03	-3.80e-03	5.37e-04	6.62e-03
		48	0.18	-0.20	-0.30	-0.21	-0.29	0.03	6.07e-03	-8.10e-03	-2.51e-03	4.75e-04	-6.93e-03
		47	0.18	-0.02	-0.25	-0.14	-0.13	-0.12	4.94e-03	-8.43e-03	-1.92e-03	-1.57e-03	6.68e-03
		39	0.12	-0.13	-0.17	-0.16	-0.14	-9.96e-03	2.81e-03	-0.01	-5.68e-03	-2.67e-03	-6.82e-03
39	55	40	0.17	-0.22	-0.29	-0.24	-0.27	-0.03	5.43e-03	-8.54e-03	-3.24e-03	1.26e-04	6.78e-03
		48	0.16	-0.21	-0.28	-0.21	-0.27	0.01	5.92e-03	-7.79e-03	-1.94e-03	6.39e-05	-6.78e-03
		47	0.19	0.02	-0.25	-0.11	-0.12	-0.13	5.52e-03	-8.02e-03	-1.20e-03	-1.31e-03	6.77e-03
		39	0.11	-0.10	-0.16	-0.14	-0.12	-0.02	3.18e-03	-0.01	-4.97e-03	-2.43e-03	-6.76e-03
39	56	40	0.18	-0.25	-0.30	-0.25	-0.29	-0.01	5.28e-03	-8.70e-03	-4.19e-03	7.69e-04	6.53e-03
		48	0.18	-0.20	-0.31	-0.21	-0.29	0.03	6.14e-03	-8.31e-03	-2.89e-03	7.19e-04	-7.00e-03
		47	0.18	-0.03	-0.26	-0.15	-0.14	-0.11	4.46e-03	-8.82e-03	-2.35e-03	-2.01e-03	6.64e-03
		39	0.12	-0.15	-0.18	-0.18	-0.15	-5.86e-03	2.41e-03	-0.01	-6.11e-03	-3.10e-03	-6.86e-03
39	57	40	0.17	-0.22	-0.29	-0.24	-0.27	-0.03	5.42e-03	-8.53e-03	-3.24e-03	1.26e-04	6.77e-03
		48	0.16	-0.21	-0.28	-0.21	-0.27	0.01	5.91e-03	-7.80e-03	-1.94e-03	5.65e-05	-6.78e-03
		47	0.19	0.02	-0.25	-0.11	-0.12	-0.13	5.51e-03	-8.03e-03	-1.20e-03	-1.32e-03	6.77e-03
		39	0.11	-0.10	-0.16	-0.14	-0.12	-0.02	3.18e-03	-0.01	-4.97e-03	-2.43e-03	-6.77e-03
39	58	40	0.18	-0.25	-0.30	-0.25	-0.29	-0.01	5.27e-03	-8.69e-03	-4.19e-03	7.69e-04	6.53e-03
		48	0.18	-0.20	-0.31	-0.21	-0.29	0.03	6.14e-03	-8.31e-03	-2.89e-03	7.12e-04	-7.00e-03
		47	0.18	-0.03	-0.26	-0.15	-0.14	-0.11	4.45e-03	-8.82e-03	-2.36e-03	-2.02e-03	6.63e-03
		39	0.12	-0.15	-0.18	-0.18	-0.15	-5.84e-03	2.41e-03	-0.01	-6.12e-03	-3.10e-03	-6.86e-03
39	59	40	0.17	-0.22	-0.29	-0.24	-0.27	-0.03	5.42e-03	-8.53e-03	-3.24e-03	1.26e-04	6.77e-03
		48	0.16	-0.21	-0.28	-0.21	-0.27	0.01	5.91e-03	-7.79e-03	-1.94e-03	6.38e-05	-6.78e-03
		47	0.19	0.02	-0.25	-0.11	-0.12	-0.13	5.52e-03	-8.02e-03	-1.20e-03	-1.31e-03	6.77e-03
		39	0.11	-0.10	-0.16	-0.14	-0.12	-0.02	3.19e-03	-0.01	-4.97e-03	-2.43e-03	-6.77e-03
39	60	40	0.18	-0.25	-0.30	-0.25	-0.29	-0.01	5.27e-03	-8.69e-03	-4.19e-03	7.69e-04	6.53e-03
		48	0.18	-0.20	-0.31	-0.21	-0.29	0.03	6.14e-03	-8.31e-03	-2.89e-03	7.19e-04	-7.00e-03
		47	0.18	-0.03	-0.26	-0.15	-0.14	-0.11	4.46e-03	-8.82e-03	-2.35e-03	-2.01e-03	6.63e-03
		39	0.12	-0.15	-0.18	-0.18	-0.15	-5.85e-03	2.41e-03	-0.01	-6.11e-03	-3.10e-03	-6.86e-03
39	61	40	0.17	-0.22	-0.29	-0.24	-0.27	-0.03	5.43e-03	-8.54e-03	-3.24e-03	1.26e-04	6.78e-03
		48	0.16	-0.21	-0.28	-0.21	-0.27	0.01	5.91e-03	-7.80e-03	-1.94e-03	5.66e-05	-6.78e-03
		47	0.19	0.02	-0.25	-0.11	-0.12	-0.13	5.51e-03	-8.03e-03	-1.20e-03	-1.32e-03	6.77e-03
		39	0.11	-0.10	-0.16	-0.14	-0.12	-0.02	3.18e-03	-0.01	-4.97e-03	-2.43e-03	-6.76e-03
39	62	40	0.18	-0.25	-0.30	-0.25	-0.29	-0.01	5.27e-03	-8.70e-03	-4.19e-03	7.69e-04	6.53e-03
		48	0.18	-0.20	-0.31	-0.21	-0.29	0.03	6.14e-03	-8.32e-03	-2.89e-03	7.12e-04	-7.00e-03
		47	0.18	-0.03	-0.26	-0.15	-0.14	-0.11	4.45e-03	-8.83e-03	-2.36e-03	-2.02e-03	6.64e-03
		39	0.12	-0.15	-0.18	-0.18	-0.15	-5.85e-03	2.41e-03	-0.01	-6.12e-03	-3.10e-03	-6.86e-03
39	63	40	0.18	-0.21	-0.30	-0.24	-0.27	-0.04	5.37e-03	-8.65e-03	-3.43e-03	1.49e-04	6.78e-03
		48	0.17	-0.21	-0.28	-0.21	-0.28	3.60e-03	5.82e-03	-7.89e-03	-2.13e-03	6.07e-05	-6.77e-03



		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
40	7	33	20.52	31.87	0.60	4.78	27.70	10.64	0.06	-0.05	0.02	2.90e-04	-0.05
		41	20.46	31.87	0.73	4.81	27.79	-10.51	0.03	-0.09	-0.05	-0.01	0.06
		48	20.49	31.75	0.42	4.61	27.57	10.66	0.02	-0.10	-0.06	-0.02	-0.06
		40	20.44	31.64	0.39	4.55	27.48	-10.61	0.06	-0.05	0.01	-5.17e-03	0.05
40	8	33	7.48	3.23	-6.42	2.66	-5.85	-2.28	1.04	0.25	0.26	1.04	0.04
		41	8.50	4.05	-7.65	2.14	-5.74	4.32	0.98	0.21	0.24	0.95	-0.14
		48	8.00	-5.99	-10.09	-7.32	-8.76	-1.92	-0.36	-1.26	-0.36	-1.26	7.43e-03
		40	8.45	-6.00	-11.05	-8.49	-8.57	2.53	-0.44	-1.38	-0.45	-1.38	-0.06
40	9	33	22.42	34.83	0.68	5.24	30.26	11.62	0.07	-0.05	0.02	5.88e-04	-0.06
		41	22.36	34.83	0.80	5.27	30.37	-11.49	0.03	-0.10	-0.06	-0.01	0.06
		48	22.39	34.71	0.48	5.05	30.13	11.64	0.02	-0.11	-0.06	-0.02	-0.06
		40	22.34	34.58	0.45	4.99	30.04	-11.59	0.06	-0.06	0.01	-5.71e-03	0.06
40	10	33	5.75	3.37	-3.54	3.12	-3.28	-1.30	1.04	0.26	0.26	1.04	0.04
		41	6.66	4.13	-4.69	2.60	-3.16	3.34	0.98	0.21	0.23	0.95	-0.14
		48	6.52	-5.54	-7.53	-6.87	-6.19	-0.94	-0.37	-1.26	-0.37	-1.26	1.57e-03
		40	7.03	-5.18	-8.88	-8.05	-6.01	1.55	-0.44	-1.38	-0.45	-1.38	-0.06
40	11	33	20.51	31.87	0.61	4.78	27.70	10.63	0.06	-0.05	0.02	8.23e-04	-0.05
		41	20.47	31.88	0.72	4.81	27.79	-10.52	0.03	-0.09	-0.05	-0.01	0.06
		48	20.49	31.75	0.43	4.61	27.57	10.65	0.02	-0.10	-0.06	-0.02	-0.06
		40	20.45	31.64	0.39	4.55	27.48	-10.62	0.06	-0.05	0.01	-5.19e-03	0.05
40	12	33	7.48	3.23	-6.42	2.66	-5.85	-2.27	1.04	0.25	0.26	1.04	0.04
		41	8.50	4.05	-7.65	2.14	-5.74	4.33	0.98	0.21	0.24	0.95	-0.14
		48	8.00	-5.99	-10.08	-7.32	-8.76	-1.91	-0.36	-1.26	-0.36	-1.26	7.43e-03
		40	8.45	-6.00	-11.06	-8.49	-8.57	2.53	-0.44	-1.38	-0.45	-1.38	-0.06
40	13	33	22.41	34.82	0.68	5.24	30.26	11.61	0.07	-0.05	0.02	1.12e-03	-0.06
		41	22.37	34.84	0.80	5.27	30.37	-11.50	0.03	-0.10	-0.06	-0.01	0.06
		48	22.39	34.70	0.48	5.05	30.14	11.64	0.02	-0.11	-0.06	-0.02	-0.06
		40	22.34	34.59	0.45	4.99	30.04	-11.60	0.06	-0.06	0.01	-5.73e-03	0.06
40	14	33	5.75	3.37	-3.54	3.12	-3.29	-1.29	1.04	0.26	0.26	1.04	0.04
		41	6.67	4.13	-4.70	2.60	-3.17	3.35	0.98	0.21	0.23	0.95	-0.14
		48	6.52	-5.54	-7.52	-6.87	-6.19	-0.93	-0.37	-1.26	-0.37	-1.26	1.56e-03
		40	7.03	-5.17	-8.88	-8.05	-6.01	1.55	-0.44	-1.38	-0.45	-1.38	-0.06
40	15	33	20.52	31.87	0.60	4.78	27.70	10.64	0.06	-0.05	0.02	2.90e-04	-0.05
		41	20.46	31.87	0.73	4.81	27.79	-10.51	0.03	-0.09	-0.05	-0.01	0.06
		48	20.49	31.75	0.42	4.61	27.57	10.66	0.02	-0.10	-0.06	-0.02	-0.06
		40	20.44	31.64	0.39	4.55	27.48	-10.61	0.06	-0.05	0.01	-5.17e-03	0.05
40	16	33	7.48	3.23	-6.42	2.66	-5.85	-2.28	1.04	0.25	0.26	1.04	0.04
		41	8.50	4.05	-7.65	2.14	-5.74	4.32	0.98	0.21	0.24	0.95	-0.14
		48	8.00	-5.99	-10.09	-7.32	-8.76	-1.92	-0.36	-1.26	-0.36	-1.26	7.47e-03
		40	8.45	-6.00	-11.05	-8.49	-8.57	2.53	-0.44	-1.38	-0.45	-1.38	-0.06
40	17	33	22.42	34.83	0.68	5.24	30.26	11.62	0.07	-0.05	0.02	5.88e-04	-0.06
		41	22.36	34.83	0.80	5.27	30.37	-11.49	0.03	-0.10	-0.06	-0.01	0.06
		48	22.39	34.71	0.48	5.05	30.13	11.64	0.02	-0.11	-0.06	-0.02	-0.06
		40	22.34	34.58	0.45	4.99	30.04	-11.59	0.06	-0.06	0.01	-5.71e-03	0.06
40	18	33	5.75	3.37	-3.54	3.12	-3.28	-1.30	1.04	0.26	0.26	1.04	0.04
		41	6.66	4.13	-4.69	2.60	-3.16	3.34	0.98	0.21	0.23	0.95	-0.14
		48	6.52	-5.54	-7.53	-6.87	-6.19	-0.94	-0.37	-1.26	-0.37	-1.26	1.53e-03
		40	7.03	-5.18	-8.88	-8.05	-6.01	1.55	-0.44	-1.38	-0.45	-1.38	-0.06
40	19	33	20.51	31.87	0.61	4.78	27.70	10.63	0.06	-0.05	0.02	8.23e-04	-0.05
		41	20.47	31.88	0.72	4.81	27.79	-10.52	0.03	-0.09	-0.05	-0.01	0.06
		48	20.49	31.75	0.43	4.61	27.57	10.65	0.02	-0.10	-0.06	-0.02	-0.06
		40	20.45	31.64	0.39	4.55	27.48	-10.62	0.06	-0.05	0.01	-5.19e-03	0.05
40	20	33	7.48	3.23	-6.42	2.66	-5.85	-2.27	1.04	0.25	0.26	1.04	0.04
		41	8.50	4.05	-7.65	2.14	-5.74	4.33	0.98	0.21	0.24	0.95	-0.14
		48	8.00	-5.99	-10.08	-7.32	-8.76	-1.91	-0.36	-1.26	-0.36	-1.26	7.46e-03
		40	8.45	-6.00	-11.06	-8.49	-8.57	2.53	-0.44	-1.38	-0.45	-1.38	-0.06
40	21	33	22.41	34.82	0.68	5.24	30.26	11.61	0.07	-0.05	0.02	1.12e-03	-0.06
		41	22.37	34.84	0.80	5.27	30.37	-11.50	0.03	-0.10	-0.06	-0.01	0.06
		48	22.39	34.70	0.48	5.05	30.14	11.64	0.02	-0.11	-0.06	-0.02	-0.06
		40	22.34	34.59	0.45	4.99	30.04	-11.60	0.06	-0.06	0.01	-5.73e-03	0.06
40	22	33	5.75	3.37	-3.54	3.12	-3.29	-1.29	1.04	0.26	0.26	1.04	0.04
		41	6.67	4.13	-4.70	2.60	-3.17	3.35	0.98	0.21	0.23	0.95	-0.14
		48	6.52	-5.54	-7.52	-6.87	-6.19	-0.93	-0.37	-1.26	-0.37	-1.26	1.53e-03
		40	7.03	-5.17	-8.88	-8.05	-6.01	1.55	-0.44	-1.38	-0.45	-1.38	-0.06
40	23	33	78.57	122.21	2.78	18.73	106.26	40.62	0.27	-0.18	-0.08	9.03e-03	-0.22
		41	78.62	122.45	2.92	18.77	106.61	-40.53	0.12	-0.37	-0.20	-0.05	0.23
		48	78.74	122.20	2.20	18.21	106.19	40.80	0.10	-0.39	-0.21	-0.07	-0.24
		40	78.52	121.77	2.18	18.09	105.86	-40.61	0.25	-0.21	0.06	-0.02	0.22
40	24	33	15.92	12.00	-5.91	11.66	-5.57	-2.42	3.47	0.88	0.88	3.47	0.10
		41	18.36	14.02	-9.30	9.87	-5.15	8.92	3.25	0.69	0.77	3.18	-0.44
		48	18.79	-14.72	-21.72	-21.53	-14.90	-1.12	-1.23	-4.21	-1.23	-4.21	-0.02
		40	20.61	-13.48	-26.21	-25.37	-14.32	3.17	-1.47	-4.61	-1.48	-4.61	-0.16
40	25	33	79.14	123.09	2.80	18.87	107.03	40.92	0.27	-0.19	-0.08	9.12e-03	-0.23
		41	79.19	123.34	2.95	18.90	107.38	-40.82	0.12	-0.37	-0.20	-0.05	0.24
		48	79.31	123.08	2.21	18.34	106.96	41.10	0.10	-0.39	-0.21	-0.08	-0.24
		40	79.09	122.65	2.19	18.22	106.63	-40.91	0.25	-0.21	0.06	-0.02	0.22

40	26	33	15.46	12.07	-5.07	11.80	-4.80	-2.13	3.47	0.88	0.88	3.47	0.10
		41	17.83	14.04	-8.41	10.01	-4.38	8.62	3.25	0.69	0.76	3.18	-0.43
		48	18.44	-14.04	-21.49	-21.40	-14.13	-0.83	-1.23	-4.21	-1.23	-4.21	-0.02
		40	20.27	-12.88	-25.91	-25.24	-13.55	2.87	-1.47	-4.61	-1.48	-4.61	-0.16
40	27	33	78.57	122.21	2.78	18.73	106.26	40.62	0.27	-0.18	0.08	9.03e-03	-0.22
		41	78.62	122.45	2.92	18.77	106.61	-40.53	0.12	-0.37	-0.20	-0.05	0.23
		48	78.74	122.20	2.20	18.21	106.19	40.80	0.10	-0.39	-0.21	-0.07	-0.24
		40	78.52	121.77	2.18	18.09	105.86	-40.61	0.25	-0.21	0.06	-0.02	0.22
40	28	33	15.92	12.00	-5.91	11.66	-5.57	-2.42	3.47	0.88	0.88	3.47	0.10
		41	18.36	14.02	-9.30	9.87	-5.15	8.92	3.25	0.69	0.77	3.18	-0.44
		48	18.79	-14.72	-21.72	-21.53	-14.90	-1.12	-1.23	-4.21	-1.23	-4.21	-0.02
		40	20.61	-13.48	-26.21	-25.37	-14.32	3.17	-1.47	-4.61	-1.48	-4.61	-0.16
40	29	33	79.14	123.09	2.80	18.87	107.03	40.92	0.27	-0.19	0.08	9.12e-03	-0.23
		41	79.19	123.34	2.95	18.90	107.38	-40.82	0.12	-0.37	-0.20	-0.05	0.24
		48	79.31	123.08	2.21	18.34	106.96	41.10	0.10	-0.39	-0.21	-0.08	-0.24
		40	79.09	122.65	2.19	18.22	106.63	-40.91	0.25	-0.21	0.06	-0.02	0.23
40	30	33	15.46	12.07	-5.07	11.80	-4.80	-2.13	3.47	0.88	0.88	3.47	0.10
		41	17.83	14.04	-8.41	10.01	-4.38	8.62	3.25	0.69	0.76	3.18	-0.43
		48	18.44	-14.04	-21.49	-21.40	-14.13	-0.83	-1.23	-4.21	-1.23	-4.21	-0.02
		40	20.27	-12.88	-25.91	-25.24	-13.55	2.87	-1.47	-4.61	-1.48	-4.61	-0.16
40	31	33	78.55	122.19	2.80	18.73	106.26	40.60	0.27	-0.18	0.08	0.01	-0.22
		41	78.63	122.47	2.91	18.77	106.62	-40.55	0.12	-0.37	-0.20	-0.04	0.23
		48	78.73	122.19	2.21	18.21	106.19	40.78	0.10	-0.39	-0.21	-0.07	-0.24
		40	78.54	121.78	2.16	18.09	105.86	-40.64	0.25	-0.21	0.06	-0.02	0.22
40	32	33	15.92	11.99	-5.90	11.66	-5.57	-2.40	3.47	0.88	0.88	3.46	0.10
		41	18.38	14.03	-9.32	9.87	-5.16	8.94	3.25	0.69	0.77	3.18	-0.44
		48	18.80	-14.73	-21.71	-21.53	-14.91	-1.10	-1.23	-4.21	-1.23	-4.21	-0.02
		40	20.61	-13.47	-26.23	-25.37	-14.32	3.19	-1.47	-4.61	-1.48	-4.61	-0.16
40	33	33	79.12	123.08	2.82	18.87	107.03	40.90	0.27	-0.18	0.08	0.01	-0.23
		41	79.20	123.36	2.93	18.91	107.39	-40.84	0.13	-0.37	-0.20	-0.04	0.24
		48	79.30	123.07	2.23	18.34	106.96	41.08	0.10	-0.39	-0.21	-0.08	-0.24
		40	79.11	122.67	2.18	18.22	106.63	-40.93	0.25	-0.21	0.06	-0.02	0.22
40	34	33	15.45	12.06	-5.07	11.80	-4.80	-2.11	3.47	0.88	0.88	3.46	0.10
		41	17.85	14.05	-8.44	10.00	-4.39	8.64	3.25	0.69	0.76	3.18	-0.43
		48	18.44	-14.05	-21.49	-21.40	-14.14	-0.80	-1.23	-4.21	-1.24	-4.21	-0.02
		40	20.27	-12.87	-25.92	-25.24	-13.55	2.90	-1.47	-4.61	-1.48	-4.61	-0.16
40	35	33	78.55	122.19	2.80	18.73	106.26	40.60	0.27	-0.18	0.08	0.01	-0.22
		41	78.63	122.47	2.91	18.77	106.62	-40.55	0.12	-0.37	-0.20	-0.04	0.23
		48	78.73	122.19	2.21	18.21	106.19	40.78	0.10	-0.39	-0.21	-0.07	-0.24
		40	78.54	121.78	2.16	18.09	105.86	-40.64	0.25	-0.21	0.06	-0.02	0.22
40	36	33	15.92	11.99	-5.90	11.66	-5.57	-2.40	3.47	0.88	0.88	3.46	0.10
		41	18.38	14.03	-9.32	9.87	-5.16	8.94	3.25	0.69	0.77	3.18	-0.44
		48	18.80	-14.73	-21.71	-21.53	-14.91	-1.10	-1.23	-4.21	-1.23	-4.21	-0.02
		40	20.61	-13.47	-26.23	-25.37	-14.32	3.19	-1.47	-4.61	-1.48	-4.61	-0.16
40	37	33	79.12	123.08	2.82	18.87	107.03	40.90	0.27	-0.18	0.08	0.01	-0.23
		41	79.20	123.36	2.93	18.91	107.39	-40.84	0.13	-0.37	-0.20	-0.04	0.24
		48	79.30	123.07	2.23	18.34	106.96	41.08	0.10	-0.39	-0.21	-0.08	-0.24
		40	79.11	122.67	2.18	18.22	106.63	-40.93	0.25	-0.21	0.06	-0.02	0.23
40	38	33	15.45	12.06	-5.07	11.80	-4.80	-2.11	3.47	0.88	0.88	3.46	0.10
		41	17.85	14.05	-8.44	10.00	-4.39	8.64	3.25	0.69	0.76	3.18	-0.43
		48	18.44	-14.05	-21.49	-21.40	-14.14	-0.80	-1.23	-4.21	-1.24	-4.21	-0.02
		40	20.27	-12.87	-25.92	-25.24	-13.55	2.90	-1.47	-4.61	-1.48	-4.61	-0.16
40	39	33	0.12	-0.13	-0.17	-0.16	-0.14	0.01	2.69e-03	-0.01	-5.71e-03	-2.86e-03	6.83e-03
		41	0.18	-0.02	-0.26	-0.14	-0.14	0.12	4.83e-03	-8.53e-03	-1.94e-03	-1.76e-03	-6.68e-03
		48	0.18	-0.21	-0.29	-0.21	-0.29	-0.02	6.06e-03	-8.11e-03	-2.55e-03	4.98e-04	6.92e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.31e-03	-8.62e-03	-3.85e-03	5.43e-04	-6.61e-03
40	40	33	0.11	-0.12	-0.16	-0.15	-0.13	0.02	2.92e-03	-0.01	-5.36e-03	-2.66e-03	6.80e-03
		41	0.19	1.40e-04	-0.25	-0.12	-0.13	0.13	5.15e-03	-8.28e-03	-1.59e-03	-1.54e-03	-6.72e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.98e-03	-7.96e-03	-2.28e-03	3.03e-04	6.85e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	0.03	5.35e-03	-8.58e-03	-3.58e-03	3.52e-04	-6.68e-03
40	41	33	0.12	-0.13	-0.17	-0.16	-0.14	0.01	2.67e-03	-0.01	-5.73e-03	-2.87e-03	6.82e-03
		41	0.18	-0.02	-0.26	-0.14	-0.14	0.12	4.81e-03	-8.56e-03	-1.97e-03	-1.78e-03	-6.69e-03
		48	0.18	-0.21	-0.29	-0.21	-0.29	-0.02	6.05e-03	-8.13e-03	-2.55e-03	4.72e-04	6.93e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.32e-03	-8.63e-03	-3.85e-03	5.42e-04	-6.62e-03
40	42	33	0.11	-0.12	-0.16	-0.15	-0.13	0.02	2.91e-03	-0.01	-5.37e-03	-2.67e-03	6.79e-03
		41	0.19	1.98e-04	-0.25	-0.12	-0.13	0.13	5.14e-03	-8.32e-03	-1.61e-03	-1.57e-03	-6.73e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.98e-03	-7.98e-03	-2.29e-03	2.78e-04	6.86e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	0.03	5.37e-03	-8.59e-03	-3.58e-03	3.52e-04	-6.70e-03
40	43	33	0.12	-0.13	-0.17	-0.16	-0.14	9.94e-03	2.83e-03	-0.01	-5.67e-03	-2.67e-03	6.83e-03
		41	0.18	-0.02	-0.25	-0.14	-0.13	0.12	4.95e-03	-8.40e-03	-1.90e-03	-1.54e-03	-6.67e-03
		48	0.18	-0.20	-0.30	-0.21	-0.29	-0.03	6.08e-03	-8.08e-03	-2.50e-03	5.00e-04	6.86e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.32e-03	-8.58e-03	-3.80e-03	5.37e-04	-6.61e-03
40	44	33	0.12	-0.12	-0.16	-0.15	-0.13	0.02	2.78e-03	-0.01	-5.40e-03	-2.86e-03	6.80e-03
		41	0.19	2.07e-03	-0.26	-0.13	-0.13	0.13	5.03e-03	-8.42e-03	-1.63e-03	-1.76e-03	-6.72e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.96e-03	-7.98e-03	-2.33e-03	3.01e-04	6.85e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	0.03	5.34e-03	-8.61e-03	-3.62e-03	3.58e-04	-6.68e-03
40	45	33	0.12	-0.13	-0.17	-0.16	-0.14	9.97e-03	2.81e-03	-0.01	-5.68e-03	-2.67e-03	6.82e-03

		41	0.18	-0.02	-0.25	-0.14	-0.13	0.12	4.94e-03	-8.43e-03	-1.92e-03	-1.57e-03	-6.68e-03
		48	0.18	-0.20	-0.30	-0.21	-0.29	-0.03	6.07e-03	-8.11e-03	-2.51e-03	4.74e-04	6.93e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.80e-03	5.37e-04	-6.62e-03
40	46	33	0.12	-0.12	-0.16	-0.15	-0.13	0.02	2.77e-03	-0.01	-5.42e-03	-2.86e-03	6.79e-03
		41	0.19	2.13e-03	-0.26	-0.13	-0.13	0.13	5.01e-03	-8.45e-03	-1.65e-03	-1.79e-03	-6.73e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.95e-03	-8.01e-03	-2.33e-03	2.76e-04	6.86e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	0.03	5.35e-03	-8.62e-03	-3.63e-03	3.57e-04	-6.70e-03
40	47	33	0.12	-0.13	-0.17	-0.16	-0.14	0.01	2.68e-03	-0.01	-5.71e-03	-2.86e-03	6.82e-03
		41	0.18	-0.02	-0.26	-0.14	-0.14	0.12	4.84e-03	-8.54e-03	-1.94e-03	-1.76e-03	-6.69e-03
		48	0.18	-0.21	-0.29	-0.21	-0.29	-0.02	6.07e-03	-8.12e-03	-2.55e-03	4.97e-04	6.93e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.32e-03	-8.63e-03	-3.85e-03	5.43e-04	-6.62e-03
40	48	33	0.11	-0.12	-0.16	-0.15	-0.13	0.02	2.92e-03	-0.01	-5.36e-03	-2.66e-03	6.79e-03
		41	0.19	1.79e-04	-0.25	-0.12	-0.13	0.13	5.16e-03	-8.29e-03	-1.59e-03	-1.54e-03	-6.73e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.99e-03	-7.97e-03	-2.28e-03	3.02e-04	6.86e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	0.03	5.37e-03	-8.59e-03	-3.58e-03	3.52e-04	-6.70e-03
40	49	33	0.12	-0.13	-0.17	-0.16	-0.14	0.01	2.68e-03	-0.01	-5.73e-03	-2.87e-03	6.83e-03
		41	0.18	-0.02	-0.26	-0.14	-0.14	0.12	4.80e-03	-8.55e-03	-1.97e-03	-1.78e-03	-6.68e-03
		48	0.18	-0.21	-0.29	-0.21	-0.29	-0.02	6.04e-03	-8.12e-03	-2.55e-03	4.74e-04	6.92e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.31e-03	-8.62e-03	-3.85e-03	5.43e-04	-6.61e-03
40	50	33	0.11	-0.12	-0.16	-0.15	-0.13	0.02	2.91e-03	-0.01	-5.67e-03	-2.67e-03	6.80e-03
		41	0.19	1.59e-04	-0.25	-0.12	-0.13	0.13	5.13e-03	-8.31e-03	-1.61e-03	-1.57e-03	-6.72e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.97e-03	-7.97e-03	-2.28e-03	2.79e-04	6.85e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	0.03	5.35e-03	-8.58e-03	-3.58e-03	3.52e-04	-6.68e-03
40	51	33	0.12	-0.13	-0.17	-0.16	-0.14	9.98e-03	2.82e-03	-0.01	-5.67e-03	-2.67e-03	6.82e-03
		41	0.18	-0.02	-0.25	-0.14	-0.13	0.12	4.96e-03	-8.40e-03	-1.90e-03	-1.54e-03	-6.68e-03
		48	0.18	-0.20	-0.30	-0.21	-0.29	-0.03	6.09e-03	-8.09e-03	-2.50e-03	4.99e-04	6.93e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.80e-03	5.37e-04	-6.62e-03
40	52	33	0.12	-0.12	-0.16	-0.15	-0.13	0.02	2.78e-03	-0.01	-5.40e-03	-2.86e-03	6.79e-03
		41	0.19	2.11e-03	-0.26	-0.13	-0.13	0.13	5.04e-03	-8.43e-03	-1.63e-03	-1.76e-03	-6.73e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.97e-03	-8.00e-03	-2.33e-03	3.00e-04	6.86e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	0.03	5.35e-03	-8.62e-03	-3.63e-03	3.58e-04	-6.70e-03
40	53	33	0.12	-0.13	-0.17	-0.16	-0.14	9.93e-03	2.82e-03	-0.01	-5.68e-03	-2.67e-03	6.83e-03
		41	0.18	-0.02	-0.25	-0.14	-0.13	0.12	4.93e-03	-8.42e-03	-1.92e-03	-1.57e-03	-6.67e-03
		48	0.18	-0.20	-0.30	-0.21	-0.29	-0.03	6.06e-03	-8.09e-03	-2.51e-03	4.76e-04	6.92e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.32e-03	-8.59e-03	-3.80e-03	5.37e-04	-6.61e-03
40	54	33	0.12	-0.12	-0.16	-0.15	-0.13	0.02	2.77e-03	-0.01	-5.42e-03	-2.86e-03	6.80e-03
		41	0.19	2.09e-03	-0.26	-0.13	-0.13	0.13	5.01e-03	-8.44e-03	-1.65e-03	-1.79e-03	-6.72e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.94e-03	-8.00e-03	-2.33e-03	2.77e-04	6.85e-03
		40	0.18	-0.23	-0.29	-0.25	-0.28	0.03	5.34e-03	-8.61e-03	-3.63e-03	3.57e-04	-6.68e-03
40	55	33	0.12	-0.15	-0.18	-0.18	-0.15	5.84e-03	2.40e-03	-0.01	-6.13e-03	-3.10e-03	6.86e-03
		41	0.18	-0.03	-0.26	-0.15	-0.14	0.11	4.44e-03	-8.83e-03	-2.37e-03	-2.01e-03	-6.63e-03
		48	0.18	-0.20	-0.31	-0.21	-0.29	-0.03	6.15e-03	-8.30e-03	-2.86e-03	7.16e-04	7.00e-03
		40	0.18	-0.25	-0.30	-0.25	-0.29	0.01	5.28e-03	-8.68e-03	-4.16e-03	7.65e-04	-6.53e-03
40	56	33	0.11	-0.10	-0.16	-0.14	-0.12	0.02	3.20e-03	-0.01	-4.95e-03	-2.43e-03	6.77e-03
		41	0.19	0.02	-0.25	-0.11	-0.12	0.13	5.53e-03	-8.01e-03	-1.18e-03	-1.31e-03	-6.77e-03
		48	0.16	-0.21	-0.28	-0.21	-0.27	-0.01	5.90e-03	-7.80e-03	-1.97e-03	6.69e-05	6.78e-03
		40	0.17	-0.22	-0.29	-0.24	-0.27	0.03	5.42e-03	-8.55e-03	-3.26e-03	1.29e-04	-6.77e-03
40	57	33	0.12	-0.15	-0.18	-0.18	-0.15	5.85e-03	2.40e-03	-0.01	-6.14e-03	-3.10e-03	6.85e-03
		41	0.18	-0.03	-0.26	-0.15	-0.15	0.11	4.44e-03	-8.84e-03	-2.38e-03	-2.02e-03	-6.63e-03
		48	0.18	-0.20	-0.31	-0.21	-0.29	-0.03	6.15e-03	-8.31e-03	-2.87e-03	7.09e-04	7.00e-03
		40	0.18	-0.25	-0.30	-0.25	-0.29	0.01	5.28e-03	-8.68e-03	-4.16e-03	7.65e-04	-6.53e-03
40	58	33	0.11	-0.10	-0.16	-0.14	-0.12	0.02	3.19e-03	-0.01	-4.95e-03	-2.43e-03	6.76e-03
		41	0.19	0.02	-0.25	-0.11	-0.12	0.13	5.52e-03	-8.02e-03	-1.18e-03	-1.31e-03	-6.77e-03
		48	0.16	-0.21	-0.28	-0.21	-0.27	-0.01	5.90e-03	-7.81e-03	-1.97e-03	5.92e-05	6.78e-03
		40	0.17	-0.22	-0.29	-0.24	-0.27	0.03	5.42e-03	-8.55e-03	-3.26e-03	1.29e-04	-6.78e-03
40	59	33	0.12	-0.15	-0.18	-0.18	-0.15	5.85e-03	2.40e-03	-0.01	-6.13e-03	-3.10e-03	6.85e-03
		41	0.18	-0.03	-0.26	-0.15	-0.14	0.11	4.45e-03	-8.83e-03	-2.37e-03	-2.01e-03	-6.63e-03
		48	0.18	-0.20	-0.31	-0.21	-0.29	-0.03	6.15e-03	-8.30e-03	-2.86e-03	7.16e-04	7.00e-03
		40	0.18	-0.25	-0.30	-0.25	-0.29	0.01	5.28e-03	-8.68e-03	-4.16e-03	7.65e-04	-6.53e-03
40	60	33	0.11	-0.10	-0.16	-0.14	-0.12	0.02	3.19e-03	-0.01	-4.95e-03	-2.43e-03	6.76e-03
		41	0.19	0.02	-0.25	-0.11	-0.12	0.13	5.53e-03	-8.02e-03	-1.18e-03	-1.31e-03	-6.77e-03
		48	0.16	-0.21	-0.28	-0.21	-0.27	-0.01	5.91e-03	-7.81e-03	-1.97e-03	6.65e-05	6.78e-03
		40	0.17	-0.22	-0.29	-0.24	-0.27	0.03	5.42e-03	-8.55e-03	-3.26e-03	1.29e-04	-6.78e-03
40	61	33	0.12	-0.15	-0.18	-0.18	-0.15	5.84e-03	2.40e-03	-0.01	-6.14e-03	-3.10e-03	6.86e-03
		41	0.18	-0.03	-0.26	-0.15	-0.15	0.11	4.44e-03	-8.83e-03	-2.38e-03	-2.02e-03	-6.63e-03
		48	0.18	-0.20	-0.31	-0.21	-0.29	-0.03	6.14e-03	-8.30e-03	-2.87e-03	7.09e-04	7.00e-03
		40	0.18	-0.25	-0.30	-0.25	-0.29	0.01	5.28e-03	-8.68e-03	-4.16e-03	7.65e-04	-6.53e-03
40	62	33	0.11	-0.10	-0.16	-0.14	-0.12	0.02	3.19e-03	-0.01	-4.95e-03	-2.43e-03	6.77e-03
		41	0.19	0.02	-0.25	-0.11	-0.12	0.13	5.52e-03	-8.02e-03	-1.18e-03	-1.31e-03	-6.77e-03
		48	0.16	-0.21	-0.28	-0.21	-0.27	-0.01	5.90e-03	-7.81e-03	-1.97e-03	5.96e-05	6.78e-03
		40	0.17	-0.22	-0.29	-0.24	-0.27	0.03	5.42e-03	-8.55e-03	-3.26e-03	1.29e-04	-6.77e-03
40	63	33	0.12	-0.15	-0.18	-0.18	-0.15	-2.60e-03	2.88e-03	-0.01	-5.98e-03	-2.44e-03	6.86e-03
		41	0.17	-0.04	-0.25	-0.15	-0.14	0.11	4.87e-03	-8.39e-03	-2.22e-03	-1.30e-03	-6.62e-03
		48	0.18	-0.20	-0.31	-0.21	-0.29	-0.04	6.22e-03	-8.20e-03	-2.70e-03	7.23e-04	7.01e-03
		40	0.18	-0.25	-0.29	-0.25	-0.29	4.57e-03	5.32e-03	-8.57e-03	-4.00e-03	7.47e-04	-6.53e-03
40	64	33	0.12	-0.09	-0.16	-0.14	-0.12	0.03	2.74e-03	-0.01	-5.10e-03	-3.09e-03	6.76e-03
		41	0.20	0.02	-0.26	-0.11	-0.12	0.14	5.12e-03	-8.47e-03	-1.33e-03	-2.02e-03	-6.79e-03

		48	0.17	-0.21	-0.28	-0.21	-0.28	-3.63e-03	5.82e-03	-7.89e-03	-2.13e-03	6.04e-05	6.77e-03
		40	0.18	-0.21	-0.30	-0.24	-0.27	0.04	5.37e-03	-8.64e-03	-3.42e-03	1.48e-04	-6.78e-03
40	65	33	0.12	-0.15	-0.18	-0.18	-0.15	-2.60e-03	2.87e-03	-0.01	-5.99e-03	-2.44e-03	6.86e-03
		41	0.17	-0.04	-0.25	-0.15	-0.14	0.11	4.87e-03	-8.40e-03	-2.23e-03	-1.31e-03	-6.62e-03
		48	0.18	-0.20	-0.31	-0.21	-0.29	-0.04	6.22e-03	-8.21e-03	-2.71e-03	7.15e-04	7.01e-03
		40	0.18	-0.25	-0.29	-0.25	-0.29	4.58e-03	5.32e-03	-8.58e-03	-4.00e-03	7.47e-04	-6.53e-03
40	66	33	0.12	-0.09	-0.16	-0.14	-0.12	0.03	2.74e-03	-0.01	-5.11e-03	-3.09e-03	6.76e-03
		41	0.20	0.02	-0.26	-0.11	-0.12	0.14	5.12e-03	-8.48e-03	-1.33e-03	-2.03e-03	-6.79e-03
		48	0.17	-0.21	-0.28	-0.21	-0.28	-3.62e-03	5.82e-03	-7.90e-03	-2.13e-03	5.28e-05	6.77e-03
		40	0.18	-0.21	-0.30	-0.24	-0.27	0.04	5.37e-03	-8.65e-03	-3.42e-03	1.48e-04	-6.78e-03
40	67	33	0.12	-0.15	-0.18	-0.18	-0.15	-2.59e-03	2.88e-03	-0.01	-5.98e-03	-2.44e-03	6.86e-03
		41	0.17	-0.04	-0.25	-0.15	-0.14	0.11	4.87e-03	-8.39e-03	-2.22e-03	-1.30e-03	-6.62e-03
		48	0.18	-0.20	-0.31	-0.21	-0.29	-0.04	6.23e-03	-8.21e-03	-2.71e-03	7.22e-04	7.01e-03
		40	0.18	-0.25	-0.29	-0.25	-0.29	4.58e-03	5.32e-03	-8.58e-03	-4.00e-03	7.47e-04	-6.53e-03
40	68	33	0.12	-0.09	-0.16	-0.14	-0.12	0.03	2.74e-03	-0.01	-5.10e-03	-3.09e-03	6.76e-03
		41	0.20	0.02	-0.26	-0.11	-0.12	0.14	5.12e-03	-8.47e-03	-1.33e-03	-2.02e-03	-6.79e-03
		48	0.17	-0.21	-0.28	-0.21	-0.28	-3.61e-03	5.83e-03	-7.89e-03	-2.13e-03	6.00e-05	6.77e-03
		40	0.18	-0.21	-0.30	-0.24	-0.27	0.04	5.37e-03	-8.65e-03	-3.42e-03	1.48e-04	-6.78e-03
40	69	33	0.12	-0.15	-0.18	-0.18	-0.15	-2.61e-03	2.87e-03	-0.01	-5.99e-03	-2.44e-03	6.86e-03
		41	0.17	-0.04	-0.25	-0.15	-0.14	0.11	4.87e-03	-8.40e-03	-2.23e-03	-1.31e-03	-6.62e-03
		48	0.18	-0.20	-0.31	-0.21	-0.29	-0.04	6.22e-03	-8.21e-03	-2.71e-03	7.16e-04	7.01e-03
		40	0.18	-0.25	-0.29	-0.25	-0.29	4.56e-03	5.32e-03	-8.57e-03	-4.00e-03	7.47e-04	-6.53e-03
40	70	33	0.12	-0.09	-0.16	-0.14	-0.12	0.03	2.74e-03	-0.01	-5.11e-03	-3.09e-03	6.76e-03
		41	0.20	0.02	-0.26	-0.11	-0.12	0.14	5.11e-03	-8.48e-03	-1.33e-03	-2.03e-03	-6.79e-03
		48	0.17	-0.21	-0.28	-0.21	-0.28	-3.63e-03	5.82e-03	-7.89e-03	-2.13e-03	5.32e-05	6.77e-03
		40	0.18	-0.21	-0.30	-0.24	-0.27	0.04	5.37e-03	-8.64e-03	-3.42e-03	1.48e-04	-6.78e-03
40	71	33	0.12	-0.12	-0.17	-0.16	-0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		41	0.19	-7.55e-03	-0.25	-0.13	-0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
40	72	33	0.12	-0.12	-0.17	-0.16	-0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		41	0.19	-7.55e-03	-0.25	-0.13	-0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
40	73	33	0.12	-0.12	-0.17	-0.16	-0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		41	0.19	-7.55e-03	-0.25	-0.13	-0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
40	74	33	0.12	-0.12	-0.17	-0.16	-0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		41	0.19	-7.55e-03	-0.25	-0.13	-0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
40	75	33	0.12	-0.12	-0.17	-0.16	-0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		41	0.19	-7.55e-03	-0.25	-0.13	-0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
40	76	33	0.12	-0.12	-0.17	-0.16	-0.13	0.02	2.80e-03	-0.01	-5.54e-03	-2.76e-03	6.81e-03
		41	0.19	-7.55e-03	-0.25	-0.13	-0.13	0.12	4.98e-03	-8.42e-03	-1.78e-03	-1.66e-03	-6.70e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	6.02e-03	-8.04e-03	-2.42e-03	3.88e-04	6.89e-03
		40	0.18	-0.24	-0.29	-0.25	-0.28	0.02	5.34e-03	-8.60e-03	-3.71e-03	4.47e-04	-6.65e-03
41	1	42	0.38	0.41	-0.24	0.05	0.12	0.32	1.06e-04	-9.94e-03	-7.60e-03	-2.23e-03	4.24e-03
		50	0.55	0.57	-0.37	0.06	0.14	0.47	7.81e-03	-1.58e-03	4.29e-03	1.93e-03	-4.54e-03
		49	0.42	0.07	-0.58	-0.15	-0.37	0.30	1.22e-03	-8.15e-03	-3.70e-03	-3.23e-03	4.68e-03
41	2	41	0.36	-0.04	-0.55	-0.24	-0.35	0.25	2.72e-03	-5.15e-03	-9.98e-04	-1.43e-03	-3.93e-03
		42	0.38	0.41	-0.24	0.05	0.12	0.32	1.06e-04	-9.94e-03	-7.60e-03	-2.23e-03	4.24e-03
		50	0.55	0.57	-0.37	0.06	0.14	0.47	7.81e-03	-1.58e-03	4.29e-03	1.93e-03	-4.54e-03
		49	0.42	0.07	-0.58	-0.15	-0.37	0.30	1.22e-03	-8.15e-03	-3.70e-03	-3.23e-03	4.68e-03
41	3	41	0.36	-0.04	-0.55	-0.24	-0.35	0.25	2.72e-03	-5.15e-03	-9.98e-04	-1.43e-03	-3.93e-03
		42	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		49	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
41	4	41	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		42	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		49	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
41	5	41	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		42	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		49	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
41	6	41	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		42	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		49	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
41	7	41	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
		42	20.96	32.49	0.62	5.10	28.01	11.07	0.13	-0.03	0.08	0.03	-0.08
		50	21.12	32.82	0.66	5.03	28.45	-11.02	0.03	-0.16	-0.11	-0.01	0.08
		49	21.44	32.87	-0.10	4.79	27.98	11.72	0.02	-0.17	-0.12	-0.03	-0.09

		41	20.50	31.73	0.58	4.72	27.59	-10.57	0.12	-0.04	0.07	0.01	0.07
41	8	42	3.75	0.03	-4.98	-0.81	-4.13	-1.88	-0.04	-0.39	-0.06	-0.37	0.08
		50	4.37	0.24	-5.31	-0.77	-4.30	2.14	0.05	-0.32	-8.22e-03	-0.26	0.14
		49	4.80	-0.46	-5.51	-0.46	-5.51	0.05	0.64	0.20	0.20	0.64	-0.02
		41	6.99	2.64	-6.89	1.21	-5.46	3.40	0.90	0.26	0.26	0.90	-0.01
41	9	42	22.88	35.46	0.70	5.57	30.59	12.07	0.15	-0.03	0.09	0.03	-0.08
		50	23.08	35.86	0.70	5.50	31.06	-12.07	0.04	-0.18	-0.13	-0.01	0.09
		49	23.42	35.91	-0.08	5.25	30.58	12.78	0.03	-0.19	-0.13	-0.03	-0.09
		41	22.41	34.69	0.64	5.17	30.16	-11.57	0.14	-0.04	0.08	0.01	0.08
41	10	42	1.90	0.12	-2.02	-0.35	-1.56	-0.88	-0.04	-0.39	-0.06	-0.37	0.07
		50	2.47	0.30	-2.29	-0.31	-1.69	1.10	0.05	-0.33	-0.02	-0.26	0.15
		49	3.53	0.37	-3.28	-9.25e-03	-2.91	1.11	0.64	0.19	0.19	0.64	-0.03
		41	5.11	2.70	-3.93	1.66	-2.89	2.41	0.90	0.27	0.27	0.90	-5.86e-03
41	11	42	20.96	32.49	0.63	5.10	28.02	11.07	0.13	-0.03	0.08	0.03	-0.08
		50	21.12	32.83	0.67	5.04	28.46	-11.02	0.03	-0.16	-0.11	-0.01	0.08
		49	21.45	32.88	-0.10	4.80	27.98	11.72	0.02	-0.17	-0.12	-0.03	-0.09
		41	20.51	31.73	0.58	4.72	27.59	-10.58	0.12	-0.04	0.07	0.01	0.07
41	12	42	3.75	0.03	-4.99	-0.82	-4.14	-1.88	-0.04	-0.39	-0.06	-0.37	0.08
		50	4.38	0.24	-5.32	-0.78	-4.31	2.15	0.05	-0.32	-8.10e-03	-0.26	0.14
		49	4.81	-0.47	-5.52	-0.47	-5.52	0.05	0.64	0.20	0.20	0.64	-0.02
		41	7.00	2.64	-6.89	1.21	-5.46	3.41	0.90	0.26	0.26	0.90	-0.01
41	13	42	22.88	35.46	0.70	5.57	30.59	12.07	0.15	-0.03	0.09	0.03	-0.08
		50	23.09	35.87	0.70	5.50	31.07	-12.07	0.04	-0.18	-0.13	-0.01	0.09
		49	23.42	35.92	-0.08	5.25	30.59	12.78	0.03	-0.19	-0.13	-0.03	-0.09
		41	22.42	34.69	0.64	5.18	30.16	-11.57	0.13	-0.04	0.08	0.01	0.08
41	14	42	1.91	0.11	-2.03	-0.35	-1.56	-0.88	-0.04	-0.39	-0.06	-0.37	0.07
		50	2.47	0.29	-2.30	-0.31	-1.70	1.10	0.05	-0.33	-0.02	-0.26	0.15
		49	3.53	0.36	-3.29	-0.01	-2.91	1.11	0.64	0.19	0.19	0.64	-0.03
		41	5.11	2.70	-3.93	1.66	-2.89	2.41	0.90	0.27	0.27	0.90	-5.88e-03
41	15	42	20.96	32.49	0.62	5.10	28.01	11.07	0.13	-0.03	0.08	0.03	-0.08
		50	21.12	32.82	0.66	5.03	28.45	-11.02	0.03	-0.16	-0.11	-0.01	0.08
		49	21.44	32.87	-0.10	4.79	27.98	11.72	0.02	-0.17	-0.12	-0.03	-0.09
		41	20.50	31.73	0.58	4.72	27.59	-10.57	0.12	-0.04	0.07	0.01	0.07
41	16	42	3.75	0.03	-4.98	-0.81	-4.13	-1.88	-0.04	-0.39	-0.06	-0.37	0.08
		50	4.37	0.24	-5.31	-0.77	-4.30	2.14	0.05	-0.32	-8.22e-03	-0.26	0.14
		49	4.80	-0.46	-5.51	-0.46	-5.51	0.05	0.64	0.20	0.20	0.64	-0.02
		41	6.99	2.64	-6.89	1.21	-5.46	3.40	0.90	0.26	0.26	0.90	-0.01
41	17	42	22.88	35.46	0.70	5.57	30.59	12.07	0.15	-0.03	0.09	0.03	-0.08
		50	23.08	35.86	0.70	5.50	31.06	-12.07	0.04	-0.18	-0.13	-0.01	0.09
		49	23.42	35.91	-0.08	5.25	30.58	12.78	0.03	-0.19	-0.13	-0.03	-0.09
		41	22.41	34.69	0.64	5.17	30.16	-11.57	0.14	-0.04	0.08	0.01	0.08
41	18	42	1.90	0.12	-2.02	-0.35	-1.56	-0.88	-0.04	-0.39	-0.06	-0.37	0.07
		50	2.47	0.30	-2.29	-0.31	-1.69	1.10	0.05	-0.33	-0.02	-0.26	0.15
		49	3.53	0.37	-3.28	-9.25e-03	-2.91	1.11	0.64	0.19	0.19	0.64	-0.03
		41	5.11	2.70	-3.93	1.66	-2.89	2.41	0.90	0.27	0.27	0.90	-5.85e-03
41	19	42	20.96	32.49	0.63	5.10	28.02	11.07	0.13	-0.03	0.08	0.03	-0.08
		50	21.12	32.83	0.67	5.04	28.46	-11.02	0.03	-0.16	-0.11	-0.01	0.08
		49	21.45	32.88	-0.10	4.80	27.98	11.72	0.02	-0.17	-0.12	-0.03	-0.09
		41	20.51	31.73	0.58	4.72	27.59	-10.58	0.12	-0.04	0.07	0.01	0.07
41	20	42	3.75	0.03	-4.99	-0.82	-4.14	-1.88	-0.04	-0.39	-0.06	-0.37	0.08
		50	4.38	0.24	-5.32	-0.78	-4.31	2.15	0.05	-0.32	-8.10e-03	-0.26	0.14
		49	4.81	-0.47	-5.52	-0.47	-5.52	0.05	0.64	0.20	0.20	0.64	-0.02
		41	7.00	2.64	-6.89	1.21	-5.46	3.41	0.90	0.26	0.26	0.90	-0.01
41	21	42	22.88	35.46	0.70	5.57	30.59	12.07	0.15	-0.03	0.09	0.03	-0.08
		50	23.09	35.87	0.70	5.50	31.07	-12.07	0.04	-0.18	-0.13	-0.01	0.09
		49	23.42	35.92	-0.08	5.25	30.59	12.78	0.03	-0.19	-0.13	-0.03	-0.09
		41	22.42	34.69	0.64	5.18	30.16	-11.57	0.13	-0.04	0.08	0.01	0.08
41	22	42	1.91	0.11	-2.03	-0.35	-1.56	-0.88	-0.04	-0.39	-0.06	-0.37	0.07
		50	2.47	0.29	-2.30	-0.31	-1.70	1.10	0.05	-0.33	-0.02	-0.26	0.15
		49	3.53	0.36	-3.29	-0.01	-2.91	1.11	0.64	0.19	0.19	0.64	-0.03
		41	5.11	2.70	-3.93	1.66	-2.89	2.41	0.90	0.27	0.27	0.90	-5.87e-03
41	23	42	79.58	123.47	2.74	19.39	106.82	41.63	0.53	-0.11	0.32	0.11	-0.30
		50	81.32	125.89	1.69	19.12	108.46	-43.14	0.13	-0.63	-0.45	-0.05	0.32
		49	81.87	125.92	0.48	18.66	107.75	44.16	0.10	-0.65	-0.44	-0.10	-0.34
		41	79.04	122.38	2.41	18.58	106.21	-40.97	0.48	-0.15	0.28	0.05	0.29
41	24	42	3.83	1.22	-1.88	-0.33	-0.33	-1.55	-0.11	-1.27	-0.16	-1.23	0.21
		50	3.90	0.30	-1.24	-0.24	-0.71	0.74	0.16	-1.12	-0.09	-0.87	0.51
		49	9.82	4.43	-7.18	1.13	-3.88	5.24	2.14	0.61	0.63	2.13	-0.13
		41	12.92	9.28	-6.33	6.88	-3.93	5.63	3.01	0.91	0.91	3.01	1.63e-03
41	25	42	80.15	124.36	2.76	19.53	107.59	41.93	0.54	-0.11	0.32	0.11	-0.31
		50	81.91	126.80	1.70	19.26	109.24	-43.45	0.13	-0.63	-0.45	-0.05	0.33
		49	82.46	126.84	0.48	18.79	108.53	44.48	0.11	-0.65	-0.45	-0.10	-0.34
		41	79.61	123.27	2.43	18.72	106.98	-41.26	0.49	-0.15	0.29	0.05	0.30
41	26	42	3.96	1.41	-1.16	-0.19	0.44	-1.25	-0.11	-1.27	-0.15	-1.22	0.21
		50	3.34	0.42	-0.44	-0.10	0.08	0.42	0.16	-1.12	-0.10	-0.87	0.51
		49	9.72	5.05	-6.89	1.26	-3.10	5.55	2.14	0.61	0.62	2.12	-0.13
		41	12.37	9.30	-5.45	7.01	-3.16	5.33	3.01	0.92	0.92	3.01	3.77e-03

41	27	42	79.58	123.47	2.74	19.39	106.82	41.63	0.53	-0.11	0.32	0.11	-0.30
		50	81.32	125.89	1.69	19.12	108.46	-43.14	0.13	-0.63	-0.45	-0.05	0.32
		49	81.87	125.92	0.48	18.66	107.75	44.16	0.10	-0.65	-0.44	-0.10	-0.34
		41	79.04	122.38	2.41	18.58	106.21	-40.97	0.48	-0.15	0.28	0.05	0.29
41	28	42	3.83	1.22	-1.88	-0.33	-0.33	-1.55	-0.11	-1.27	-0.16	-1.23	0.21
		50	3.90	0.30	-1.24	-0.24	-0.71	0.74	0.16	-1.12	-0.09	-0.87	0.51
		49	9.82	4.43	-7.18	1.13	-3.88	5.24	2.14	0.61	0.63	2.13	-0.13
		41	12.92	9.28	-6.33	6.88	-3.93	5.63	3.01	0.91	0.91	3.01	1.63e-03
41	29	42	80.15	124.36	2.76	19.53	107.59	41.93	0.54	-0.11	0.32	0.11	-0.31
		50	81.91	126.80	1.70	19.26	109.24	-43.45	0.13	-0.63	-0.45	-0.05	0.33
		49	82.46	126.84	0.48	18.79	108.53	44.48	0.11	-0.65	-0.45	-0.10	-0.34
		41	79.61	123.27	2.43	18.72	106.98	-41.26	0.49	-0.15	0.29	0.05	0.30
41	30	42	3.96	1.41	-1.16	-0.19	0.44	-1.25	-0.11	-1.27	-0.15	-1.22	0.21
		50	3.34	0.42	-0.44	-0.10	0.08	0.42	0.16	-1.12	-0.10	-0.87	0.51
		49	9.72	5.05	-6.89	1.26	-3.10	5.55	2.14	0.61	0.62	2.12	-0.13
		41	12.37	9.30	-5.45	7.01	-3.16	5.33	3.01	0.92	0.92	3.01	3.78e-03
41	31	42	79.58	123.48	2.76	19.40	106.83	41.62	0.53	-0.11	0.31	0.11	-0.30
		50	81.34	125.92	1.70	19.13	108.48	-43.14	0.13	-0.63	-0.45	-0.05	0.32
		49	81.88	125.95	0.49	18.67	107.77	44.15	0.10	-0.65	-0.44	-0.10	-0.34
		41	79.05	122.40	2.42	18.59	106.23	-40.97	0.48	-0.15	0.28	0.05	0.29
41	32	42	3.82	1.20	-1.89	-0.34	-0.35	-1.54	-0.11	-1.27	-0.15	-1.23	0.21
		50	3.91	0.29	-1.27	-0.25	-0.74	0.74	0.16	-1.12	-0.09	-0.87	0.51
		49	9.83	4.42	-7.21	1.12	-3.91	5.24	2.14	0.62	0.63	2.13	-0.13
		41	12.92	9.27	-6.35	6.87	-3.95	5.64	3.01	0.91	0.91	3.01	1.58e-03
41	33	42	80.16	124.37	2.78	19.54	107.61	41.92	0.54	-0.11	0.32	0.11	-0.31
		50	81.93	126.83	1.71	19.27	109.27	-43.46	0.13	-0.63	-0.45	-0.05	0.33
		49	82.47	126.86	0.50	18.80	108.56	44.47	0.11	-0.65	-0.45	-0.10	-0.34
		41	79.62	123.28	2.44	18.73	107.00	-41.27	0.48	-0.15	0.28	0.05	0.30
41	34	42	3.95	1.39	-1.17	-0.20	0.42	-1.24	-0.11	-1.27	-0.15	-1.22	0.21
		50	3.35	0.40	-0.47	-0.11	0.05	0.43	0.16	-1.12	-0.10	-0.87	0.51
		49	9.74	5.04	-6.91	1.25	-3.13	5.56	2.14	0.61	0.62	2.12	-0.13
		41	12.38	9.29	-5.47	7.01	-3.18	5.34	3.01	0.92	0.92	3.01	3.71e-03
41	35	42	79.58	123.48	2.76	19.40	106.83	41.62	0.53	-0.11	0.31	0.11	-0.30
		50	81.34	125.92	1.70	19.13	108.48	-43.14	0.13	-0.63	-0.45	-0.05	0.32
		49	81.88	125.95	0.49	18.67	107.77	44.15	0.10	-0.65	-0.44	-0.10	-0.34
		41	79.05	122.40	2.42	18.59	106.23	-40.97	0.48	-0.15	0.28	0.05	0.29
41	36	42	3.82	1.20	-1.89	-0.34	-0.35	-1.54	-0.11	-1.27	-0.15	-1.23	0.21
		50	3.91	0.29	-1.27	-0.25	-0.74	0.74	0.16	-1.12	-0.09	-0.87	0.51
		49	9.83	4.42	-7.21	1.12	-3.91	5.24	2.14	0.62	0.63	2.13	-0.13
		41	12.92	9.27	-6.35	6.87	-3.95	5.64	3.01	0.91	0.91	3.01	1.57e-03
41	37	42	80.16	124.37	2.78	19.54	107.61	41.92	0.54	-0.11	0.32	0.11	-0.31
		50	81.93	126.83	1.71	19.27	109.27	-43.46	0.13	-0.63	-0.45	-0.05	0.33
		49	82.47	126.86	0.50	18.80	108.56	44.47	0.11	-0.65	-0.45	-0.10	-0.34
		41	79.62	123.28	2.44	18.73	107.00	-41.27	0.48	-0.15	0.28	0.05	0.30
41	38	42	3.95	1.39	-1.17	-0.20	0.42	-1.24	-0.11	-1.27	-0.15	-1.22	0.21
		50	3.35	0.40	-0.47	-0.11	0.05	0.43	0.16	-1.12	-0.10	-0.87	0.51
		49	9.74	5.04	-6.91	1.25	-3.13	5.56	2.14	0.61	0.62	2.12	-0.13
		41	12.38	9.29	-5.47	7.01	-3.18	5.34	3.01	0.92	0.92	3.01	3.72e-03
41	39	42	0.29	0.31	-0.18	0.04	0.09	0.24	1.68e-04	-7.47e-03	-5.62e-03	-1.67e-03	3.27e-03
		50	0.42	0.43	-0.29	0.04	0.10	0.36	6.16e-03	-1.12e-03	3.52e-03	1.52e-03	-3.50e-03
		49	0.32	0.04	-0.45	-0.12	-0.29	0.23	1.03e-03	-6.13e-03	-2.64e-03	-2.45e-03	3.58e-03
		41	0.27	-0.04	-0.43	-0.19	-0.27	0.19	2.24e-03	-3.86e-03	-5.64e-04	-1.06e-03	-3.04e-03
41	40	42	0.30	0.33	-0.18	0.05	0.10	0.25	-1.22e-05	-7.83e-03	-6.08e-03	-1.76e-03	3.26e-03
		50	0.43	0.45	-0.28	0.05	0.12	0.37	5.84e-03	-1.32e-03	3.08e-03	1.44e-03	-3.49e-03
		49	0.32	0.06	-0.44	-0.11	-0.27	0.24	8.39e-04	-6.43e-03	-3.05e-03	-2.53e-03	3.62e-03
		41	0.28	-0.02	-0.42	-0.18	-0.26	0.20	1.94e-03	-4.07e-03	-9.77e-04	-1.15e-03	-3.00e-03
41	41	42	0.29	0.31	-0.18	0.04	0.09	0.24	1.77e-04	-7.46e-03	-5.62e-03	-1.66e-03	3.27e-03
		50	0.42	0.43	-0.29	0.04	0.10	0.36	6.17e-03	-1.11e-03	3.52e-03	1.53e-03	-3.51e-03
		49	0.32	0.04	-0.45	-0.12	-0.29	0.23	1.04e-03	-6.11e-03	-2.64e-03	-2.44e-03	3.57e-03
		41	0.27	-0.04	-0.43	-0.19	-0.27	0.19	2.25e-03	-3.86e-03	-5.58e-04	-1.05e-03	-3.04e-03
41	42	42	0.30	0.33	-0.18	0.05	0.10	0.25	-3.27e-06	-7.82e-03	-6.07e-03	-1.75e-03	3.26e-03
		50	0.43	0.45	-0.28	0.06	0.12	0.37	5.85e-03	-1.31e-03	3.08e-03	1.46e-03	-3.49e-03
		49	0.32	0.06	-0.44	-0.11	-0.27	0.24	8.45e-04	-6.41e-03	-3.05e-03	-2.52e-03	3.62e-03
		41	0.28	-0.02	-0.42	-0.18	-0.26	0.20	1.96e-03	-4.06e-03	-9.72e-04	-1.13e-03	-3.01e-03
41	43	42	0.29	0.31	-0.18	0.04	0.09	0.24	1.58e-04	-7.50e-03	-5.67e-03	-1.67e-03	3.27e-03
		50	0.42	0.43	-0.29	0.04	0.10	0.36	6.13e-03	-1.13e-03	3.48e-03	1.52e-03	-3.50e-03
		49	0.32	0.04	-0.45	-0.12	-0.29	0.23	1.01e-03	-6.16e-03	-2.69e-03	-2.45e-03	3.59e-03
		41	0.27	-0.04	-0.43	-0.19	-0.27	0.19	2.20e-03	-3.88e-03	-6.16e-04	-1.06e-03	-3.03e-03
41	44	42	0.30	0.33	-0.18	0.05	0.10	0.25	-3.02e-06	-7.79e-03	-6.03e-03	-1.76e-03	3.26e-03
		50	0.43	0.45	-0.29	0.05	0.11	0.37	5.87e-03	-1.31e-03	3.12e-03	1.44e-03	-3.49e-03
		49	0.32	0.06	-0.44	-0.11	-0.27	0.24	8.55e-04	-6.39e-03	-3.05e-03	-2.52e-03	3.62e-03
		41	0.28	-0.02	-0.42	-0.18	-0.26	0.20	1.98e-03	-4.05e-03	-9.25e-04	-1.15e-03	-3.01e-03
41	45	42	0.29	0.31	-0.18	0.04	0.09	0.24	1.67e-04	-7.50e-03	-5.67e-03	-1.66e-03	3.27e-03
		50	0.42	0.43	-0.29	0.04	0.10	0.36	6.14e-03	-1.13e-03	3.48e-03	1.54e-03	-3.50e-03
		49	0.32	0.04	-0.45	-0.12	-0.29	0.23	1.02e-03	-6.14e-03	-2.69e-03	-2.44e-03	3.58e-03
		41	0.27	-0.04	-0.43	-0.19	-0.27	0.19	2.22e-03	-3.87e-03	-6.10e-04	-1.05e-03	-3.04e-03
41	46	42	0.30	0.33	-0.18	0.05	0.10	0.25	5.94e-06	-7.79e-03	-6.03e-03	-1.75e-03	3.26e-03

		50	0.43	0.45	-0.29	0.05	0.11	0.37	5.88e-03	-1.30e-03	3.12e-03	1.45e-03	-3.49e-03
		49	0.32	0.06	-0.44	-0.11	-0.27	0.24	8.61e-04	-6.38e-03	-3.00e-03	-2.52e-03	3.61e-03
		41	0.28	-0.02	-0.42	-0.18	-0.26	0.20	1.99e-03	-4.04e-03	-9.20e-04	-1.14e-03	-3.01e-03
41	47	42	0.29	0.31	-0.18	0.04	0.09	0.24	1.70e-04	-7.47e-03	-5.62e-03	-1.67e-03	3.27e-03
		50	0.42	0.43	-0.29	0.04	0.10	0.36	6.17e-03	-1.12e-03	3.52e-03	1.52e-03	-3.51e-03
		49	0.32	0.04	-0.45	-0.12	-0.29	0.23	1.03e-03	-6.12e-03	-2.64e-03	-2.45e-03	3.57e-03
		41	0.27	-0.04	-0.43	-0.19	-0.27	0.19	2.24e-03	-3.86e-03	-5.64e-04	-1.06e-03	-3.04e-03
41	48	42	0.30	0.33	-0.18	0.05	0.10	0.25	-1.07e-05	-7.83e-03	-6.08e-03	-1.76e-03	3.26e-03
		50	0.43	0.45	-0.28	0.05	0.12	0.37	5.84e-03	-1.32e-03	3.08e-03	1.44e-03	-3.49e-03
		49	0.32	0.06	-0.44	-0.11	-0.27	0.24	8.35e-04	-6.42e-03	-3.05e-03	-2.53e-03	3.62e-03
		41	0.28	-0.02	-0.42	-0.18	-0.26	0.20	1.95e-03	-4.07e-03	-9.77e-04	-1.15e-03	-3.01e-03
41	49	42	0.29	0.31	-0.18	0.04	0.09	0.24	1.75e-04	-7.46e-03	-5.62e-03	-1.66e-03	3.27e-03
		50	0.42	0.43	-0.29	0.04	0.10	0.36	6.17e-03	-1.11e-03	3.52e-03	1.53e-03	-3.50e-03
		49	0.32	0.04	-0.45	-0.12	-0.29	0.23	1.04e-03	-6.12e-03	-2.64e-03	-2.44e-03	3.58e-03
		41	0.27	-0.04	-0.43	-0.19	-0.27	0.19	2.25e-03	-3.85e-03	-5.59e-04	-1.05e-03	-3.04e-03
41	50	42	0.30	0.33	-0.18	0.05	0.10	0.25	-4.85e-06	-7.82e-03	-6.07e-03	-1.75e-03	3.26e-03
		50	0.43	0.45	-0.28	0.06	0.12	0.37	5.84e-03	-1.31e-03	3.08e-03	1.45e-03	-3.49e-03
		49	0.32	0.06	-0.44	-0.11	-0.27	0.24	8.49e-04	-6.42e-03	-3.05e-03	-2.52e-03	3.62e-03
		41	0.28	-0.02	-0.42	-0.18	-0.26	0.20	1.95e-03	-4.06e-03	-9.72e-04	-1.14e-03	-3.00e-03
41	51	42	0.29	0.31	-0.18	0.04	0.09	0.24	1.60e-04	-7.50e-03	-5.67e-03	-1.67e-03	3.27e-03
		50	0.42	0.43	-0.29	0.04	0.10	0.36	6.14e-03	-1.13e-03	3.48e-03	1.52e-03	-3.50e-03
		49	0.32	0.04	-0.45	-0.12	-0.29	0.23	1.01e-03	-6.15e-03	-2.69e-03	-2.45e-03	3.58e-03
		41	0.27	-0.04	-0.43	-0.19	-0.27	0.19	2.21e-03	-3.88e-03	-6.16e-04	-1.06e-03	-3.04e-03
41	52	42	0.30	0.33	-0.18	0.05	0.10	0.25	-1.44e-06	-7.79e-03	-5.67e-03	-1.66e-03	3.26e-03
		50	0.43	0.45	-0.29	0.05	0.11	0.37	5.87e-03	-1.31e-03	3.12e-03	1.44e-03	-3.49e-03
		49	0.32	0.06	-0.44	-0.11	-0.27	0.24	8.51e-04	-6.39e-03	-3.00e-03	-2.53e-03	3.61e-03
		41	0.28	-0.02	-0.42	-0.18	-0.26	0.20	1.98e-03	-4.05e-03	-9.25e-04	-1.15e-03	-3.01e-03
41	53	42	0.29	0.31	-0.18	0.04	0.09	0.24	1.65e-04	-7.49e-03	-5.67e-03	-1.66e-03	3.27e-03
		50	0.42	0.43	-0.29	0.04	0.10	0.36	6.14e-03	-1.12e-03	3.48e-03	1.53e-03	-3.50e-03
		49	0.32	0.04	-0.45	-0.12	-0.29	0.23	1.02e-03	-6.15e-03	-2.69e-03	-2.44e-03	3.59e-03
		41	0.27	-0.04	-0.43	-0.19	-0.27	0.19	2.21e-03	-3.87e-03	-6.10e-04	-1.05e-03	-3.03e-03
41	54	42	0.30	0.33	-0.18	0.05	0.10	0.25	4.36e-06	-7.79e-03	-6.03e-03	-1.75e-03	3.26e-03
		50	0.43	0.45	-0.29	0.05	0.11	0.37	5.87e-03	-1.30e-03	3.12e-03	1.45e-03	-3.49e-03
		49	0.32	0.06	-0.44	-0.11	-0.27	0.24	8.65e-04	-6.38e-03	-3.00e-03	-2.52e-03	3.62e-03
		41	0.28	-0.02	-0.42	-0.18	-0.26	0.20	1.98e-03	-4.04e-03	-9.20e-04	-1.14e-03	-3.01e-03
41	55	42	0.28	0.28	-0.19	0.02	0.07	0.23	3.90e-04	-7.05e-03	-5.10e-03	-1.57e-03	3.28e-03
		50	0.41	0.40	-0.30	0.03	0.07	0.35	6.56e-03	-8.96e-04	4.04e-03	1.62e-03	-3.52e-03
		49	0.32	0.02	-0.46	-0.13	-0.31	0.22	1.27e-03	-5.78e-03	-2.16e-03	-2.35e-03	3.52e-03
		41	0.27	-0.06	-0.43	-0.20	-0.29	0.18	2.60e-03	-3.63e-03	-7.96e-05	-9.52e-04	-3.08e-03
41	56	42	0.31	0.35	-0.17	0.06	0.12	0.26	-2.11e-04	-8.25e-03	-6.60e-03	-1.86e-03	3.25e-03
		50	0.44	0.48	-0.27	0.07	0.14	0.38	5.47e-03	-1.56e-03	2.56e-03	1.35e-03	-3.47e-03
		49	0.33	0.09	-0.43	-0.10	-0.25	0.25	6.26e-04	-6.78e-03	-3.53e-03	-2.63e-03	3.68e-03
		41	0.28	4.09e-03	-0.42	-0.17	-0.24	0.21	1.61e-03	-4.31e-03	-1.46e-03	-1.24e-03	-2.96e-03
41	57	42	0.28	0.28	-0.19	0.02	0.07	0.23	3.92e-04	-7.05e-03	-5.10e-03	-1.56e-03	3.28e-03
		50	0.41	0.40	-0.30	0.03	0.07	0.35	6.56e-03	-8.93e-04	4.04e-03	1.62e-03	-3.52e-03
		49	0.32	0.02	-0.46	-0.13	-0.31	0.22	1.27e-03	-5.77e-03	-2.16e-03	-2.34e-03	3.52e-03
		41	0.27	-0.06	-0.43	-0.20	-0.29	0.18	2.60e-03	-3.63e-03	-7.79e-05	-9.49e-04	-3.09e-03
41	58	42	0.31	0.35	-0.17	0.06	0.12	0.26	-2.09e-04	-8.25e-03	-6.60e-03	-1.86e-03	3.25e-03
		50	0.44	0.48	-0.27	0.07	0.14	0.38	5.47e-03	-1.56e-03	2.56e-03	1.36e-03	-3.47e-03
		49	0.33	0.09	-0.43	-0.10	-0.25	0.25	6.28e-04	-6.78e-03	-3.53e-03	-2.62e-03	3.67e-03
		41	0.28	4.13e-03	-0.42	-0.17	-0.24	0.21	1.62e-03	-4.31e-03	-1.46e-03	-1.24e-03	-2.96e-03
41	59	42	0.28	0.28	-0.19	0.02	0.07	0.23	3.90e-04	-7.05e-03	-5.10e-03	-1.57e-03	3.28e-03
		50	0.41	0.40	-0.30	0.03	0.07	0.35	6.56e-03	-8.96e-04	4.04e-03	1.62e-03	-3.53e-03
		49	0.32	0.02	-0.46	-0.13	-0.31	0.22	1.27e-03	-5.78e-03	-2.16e-03	-2.35e-03	3.52e-03
		41	0.27	-0.06	-0.43	-0.20	-0.29	0.18	2.60e-03	-3.63e-03	-7.95e-05	-9.52e-04	-3.09e-03
41	60	42	0.31	0.35	-0.17	0.06	0.12	0.26	-2.11e-04	-8.25e-03	-6.60e-03	-1.86e-03	3.25e-03
		50	0.44	0.48	-0.27	0.07	0.14	0.38	5.47e-03	-1.56e-03	2.56e-03	1.35e-03	-3.47e-03
		49	0.33	0.09	-0.43	-0.10	-0.25	0.25	6.24e-04	-6.78e-03	-3.53e-03	-2.63e-03	3.67e-03
		41	0.28	4.09e-03	-0.42	-0.17	-0.24	0.21	1.61e-03	-4.32e-03	-1.46e-03	-1.24e-03	-2.96e-03
41	61	42	0.28	0.28	-0.19	0.02	0.07	0.23	3.92e-04	-7.05e-03	-5.10e-03	-1.56e-03	3.28e-03
		50	0.41	0.40	-0.30	0.03	0.07	0.35	6.56e-03	-8.93e-04	4.04e-03	1.62e-03	-3.52e-03
		49	0.32	0.02	-0.46	-0.13	-0.31	0.22	1.27e-03	-5.78e-03	-2.16e-03	-2.34e-03	3.52e-03
		41	0.27	-0.06	-0.43	-0.20	-0.29	0.18	2.60e-03	-3.63e-03	-7.80e-05	-9.49e-04	-3.08e-03
41	62	42	0.31	0.35	-0.17	0.06	0.12	0.26	-2.09e-04	-8.25e-03	-6.60e-03	-1.86e-03	3.25e-03
		50	0.44	0.48	-0.27	0.07	0.14	0.38	5.47e-03	-1.56e-03	2.56e-03	1.36e-03	-3.47e-03
		49	0.33	0.09	-0.43	-0.10	-0.25	0.25	6.29e-04	-6.78e-03	-3.53e-03	-2.62e-03	3.68e-03
		41	0.28	4.13e-03	-0.42	-0.17	-0.24	0.21	1.61e-03	-4.31e-03	-1.46e-03	-1.24e-03	-2.96e-03
41	63	42	0.28	0.28	-0.18	0.03	0.07	0.23	3.54e-04	-7.16e-03	-5.24e-03	-1.56e-03	3.28e-03
		50	0.41	0.41	-0.29	0.03	0.08	0.35	6.46e-03	-9.32e-04	3.90e-03	1.62e-03	-3.51e-03
		49	0.31	0.02	-0.45	-0.13	-0.30	0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.35e-03	3.55e-03
		41	0.27	-0.06	-0.43	-0.20	-0.29	0.18	2.48e-03	-3.68e-03	-2.52e-04	-9.52e-04	-3.06e-03
41	64	42	0.31	0.35	-0.18	0.06	0.11	0.26	-1.83e-04	-8.13e-03	-6.45e-03	-1.86e-03	3.25e-03
		50	0.44	0.48	-0.28	0.06	0.13	0.38	5.56e-03	-1.52e-03	2.70e-03	1.35e-03	-3.48e-03
		49	0.33	0.08	-0.44	-0.10	-0.26	0.25	6.75e-04	-6.66e-03	-3.36e-03	-2.63e-03	3.65e-03
		41	0.28	1.34e-03	-0.42	-0.18	-0.25	0.21	1.72e-03	-4.25e-03	-1.28e-03	-1.25e-03	-2.98e-03
41	65	42	0.28	0.28	-0.18	0.03	0.07	0.23	3.57e-04	-7.16e-03	-5.24e-03	-1.56e-03	3.28e-03
		50	0.41	0.41	-0.29	0.03	0.08	0.35	6.46e-03	-9.29e-04	3.90e-03	1.63e-03	-3.51e-03

		49	0.31	0.02	-0.45	-0.13	-0.30	0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.35e-03	3.55e-03
		41	0.27	-0.06	-0.43	-0.20	-0.29	0.18	2.48e-03	-3.68e-03	-2.51e-04	-9.48e-04	-3.06e-03
41	66	42	0.31	0.35	-0.18	0.06	0.11	0.26	-1.80e-04	-8.13e-03	-6.45e-03	-1.86e-03	3.25e-03
		50	0.44	0.48	-0.28	0.06	0.13	0.38	5.57e-03	-1.52e-03	2.70e-03	1.35e-03	-3.48e-03
		49	0.33	0.08	-0.44	-0.10	-0.26	0.25	6.77e-04	-6.65e-03	-3.36e-03	-2.62e-03	3.65e-03
		41	0.28	1.39e-03	-0.42	-0.18	-0.25	0.21	1.72e-03	-4.25e-03	-1.28e-03	-1.24e-03	-2.99e-03
41	67	42	0.28	0.28	-0.18	0.03	0.07	0.23	3.54e-04	-7.16e-03	-5.24e-03	-1.56e-03	3.28e-03
		50	0.41	0.41	-0.29	0.03	0.08	0.35	6.46e-03	-9.32e-04	3.90e-03	1.62e-03	-3.51e-03
		49	0.31	0.02	-0.45	-0.13	-0.30	0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.35e-03	3.55e-03
		41	0.27	-0.06	-0.43	-0.20	-0.29	0.18	2.48e-03	-3.69e-03	-2.52e-04	-9.51e-04	-3.06e-03
41	68	42	0.31	0.35	-0.18	0.06	0.11	0.26	-1.83e-04	-8.13e-03	-6.45e-03	-1.86e-03	3.25e-03
		50	0.44	0.48	-0.28	0.06	0.13	0.38	5.57e-03	-1.52e-03	2.70e-03	1.35e-03	-3.48e-03
		49	0.33	0.08	-0.44	-0.10	-0.26	0.25	6.74e-04	-6.66e-03	-3.36e-03	-2.62e-03	3.65e-03
		41	0.28	1.34e-03	-0.42	-0.18	-0.25	0.21	1.72e-03	-4.25e-03	-1.28e-03	-1.25e-03	-2.98e-03
41	69	42	0.28	0.28	-0.18	0.03	0.07	0.23	3.56e-04	-7.16e-03	-5.24e-03	-1.56e-03	3.28e-03
		50	0.41	0.41	-0.29	0.03	0.08	0.35	6.46e-03	-9.29e-04	3.90e-03	1.63e-03	-3.51e-03
		49	0.31	0.02	-0.45	-0.13	-0.30	0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.35e-03	3.55e-03
		41	0.27	-0.06	-0.43	-0.20	-0.29	0.18	2.48e-03	-3.68e-03	-2.51e-04	-9.49e-04	-3.06e-03
41	70	42	0.31	0.35	-0.18	0.06	0.11	0.26	-1.81e-04	-8.13e-03	-6.45e-03	-1.86e-03	3.25e-03
		50	0.44	0.48	-0.28	0.06	0.13	0.38	5.57e-03	-1.51e-03	2.70e-03	1.35e-03	-3.48e-03
		49	0.33	0.08	-0.44	-0.10	-0.26	0.25	6.78e-04	-6.66e-03	-3.36e-03	-2.62e-03	3.65e-03
		41	0.28	1.39e-03	-0.42	-0.18	-0.25	0.21	1.72e-03	-4.25e-03	-1.28e-03	-1.24e-03	-2.98e-03
41	71	42	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		49	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		41	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
41	72	42	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		49	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		41	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
41	73	42	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		49	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		41	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
41	74	42	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		49	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		41	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
41	75	42	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		49	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		41	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
41	76	42	0.29	0.32	-0.18	0.04	0.09	0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.44	-0.29	0.05	0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		49	0.32	0.05	-0.45	-0.11	-0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		41	0.27	-0.03	-0.42	-0.19	-0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
42	1	42	0.38	0.24	-0.41	-0.05	-0.12	-0.32	1.06e-04	-9.94e-03	-7.60e-03	-2.23e-03	4.24e-03
		50	0.55	0.37	-0.57	-0.06	-0.14	-0.47	7.81e-03	-1.58e-03	4.29e-03	1.93e-03	-4.54e-03
		51	0.42	0.58	-0.07	0.15	0.37	-0.30	1.22e-03	-8.15e-03	-3.70e-03	-3.23e-03	4.68e-03
		43	0.36	0.55	0.04	0.24	0.35	-0.25	2.72e-03	-5.15e-03	-9.98e-04	-1.43e-03	-3.93e-03
42	2	42	0.38	0.24	-0.41	-0.05	-0.12	-0.32	1.06e-04	-9.94e-03	-7.60e-03	-2.23e-03	4.24e-03
		50	0.55	0.37	-0.57	-0.06	-0.14	-0.47	7.81e-03	-1.58e-03	4.29e-03	1.93e-03	-4.54e-03
		51	0.42	0.58	-0.07	0.15	0.37	-0.30	1.22e-03	-8.15e-03	-3.70e-03	-3.23e-03	4.68e-03
		43	0.36	0.55	0.04	0.24	0.35	-0.25	2.72e-03	-5.15e-03	-9.98e-04	-1.43e-03	-3.93e-03
42	3	42	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		51	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		43	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
42	4	42	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		51	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		43	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
42	5	42	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		51	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		43	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
42	6	42	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		51	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		43	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
42	7	42	20.57	31.97	0.87	5.02	27.82	10.58	0.03	-0.15	-0.09	-0.03	0.08
		50	21.55	33.13	0.04	4.94	28.24	-11.74	0.17	-0.04	0.12	0.02	-0.09
		51	21.37	33.06	0.50	5.02	28.54	11.25	0.17	-0.03	0.11	0.02	0.09
		43	20.98	32.50	0.71	5.10	28.12	-10.96	0.04	-0.13	-0.08	-0.01	-0.08
42	8	42	4.28	0.40	-5.40	-0.46	-4.54	-2.06	0.31	0.05	0.05	0.31	0.03
		50	3.56	-0.11	-5.06	-0.59	-4.58	1.48	0.22	0.04	0.05	0.21	0.04
		51	3.50	0.11	-5.13	-0.78	-4.24	-1.97	-4.51e-03	-0.08	-0.04	-0.04	-0.04

		43	3.15	-0.10	-4.83	-0.75	-4.18	1.63	0.04	-0.06	0.03	-0.06	-0.03
42	9	42	22.48	34.95	0.94	5.49	30.40	11.57	0.03	-0.16	-0.10	-0.03	0.09
		50	23.51	36.17	0.08	5.40	30.85	-12.79	0.19	-0.04	0.13	0.02	-0.10
		51	23.35	36.10	0.52	5.48	31.14	12.31	0.19	-0.04	0.12	0.03	0.10
		43	22.89	35.46	0.77	5.55	30.69	-11.95	0.05	-0.14	-0.08	-0.02	-0.09
42	10	42	2.41	0.47	-2.43	0.01	-1.97	-1.06	0.31	0.04	0.05	0.31	0.04
		50	1.70	-0.04	-2.06	-0.13	-1.96	0.43	0.21	0.06	0.07	0.21	0.03
		51	1.54	0.14	-2.10	-0.33	-1.63	-0.91	-5.76e-03	-0.06	-0.03	-0.04	-0.03
		43	1.25	-0.04	-1.87	-0.29	-1.61	0.64	0.03	-0.07	0.02	-0.06	-0.04
42	11	42	20.57	31.98	0.87	5.02	27.83	10.57	0.03	-0.15	-0.09	-0.03	0.08
		50	21.55	33.14	0.05	4.94	28.24	-11.75	0.17	-0.04	0.12	0.02	-0.09
		51	21.38	33.06	0.51	5.02	28.55	11.25	0.17	-0.03	0.11	0.02	0.09
		43	20.98	32.51	0.71	5.10	28.12	-10.96	0.04	-0.13	-0.07	-0.01	-0.08
42	12	42	4.28	0.40	-5.41	-0.46	-4.55	-2.06	0.31	0.05	0.05	0.31	0.03
		50	3.56	-0.11	-5.07	-0.60	-4.58	1.48	0.22	0.04	0.05	0.21	0.04
		51	3.50	0.11	-5.14	-0.78	-4.25	-1.97	-4.61e-03	-0.08	-0.04	-0.04	-0.04
		43	3.16	-0.10	-4.84	-0.75	-4.19	1.63	0.04	-0.06	0.03	-0.06	-0.03
42	13	42	22.48	34.95	0.94	5.49	30.40	11.57	0.03	-0.16	-0.10	-0.03	0.09
		50	23.52	36.18	0.08	5.40	30.86	-12.79	0.19	-0.04	0.13	0.02	-0.10
		51	23.35	36.10	0.53	5.48	31.15	12.31	0.19	-0.04	0.12	0.03	0.10
		43	22.89	35.47	0.77	5.55	30.69	-11.96	0.05	-0.14	-0.08	-0.02	-0.09
42	14	42	2.41	0.47	-2.43	6.99e-03	-1.97	-1.06	0.31	0.04	0.05	0.31	0.04
		50	1.71	-0.04	-2.07	-0.14	-1.97	0.43	0.21	0.06	0.07	0.21	0.03
		51	1.54	0.14	-2.10	-0.33	-1.64	-0.91	-5.86e-03	-0.06	-0.03	-0.04	-0.03
		43	1.26	-0.04	-1.88	-0.30	-1.62	0.64	0.03	-0.07	0.02	-0.06	-0.04
42	15	42	20.57	31.97	0.87	5.02	27.82	10.58	0.03	-0.15	-0.09	-0.03	0.08
		50	21.55	33.13	0.04	4.94	28.24	-11.74	0.17	-0.04	0.12	0.02	-0.09
		51	21.37	33.06	0.50	5.02	28.54	11.25	0.17	-0.03	0.11	0.02	0.09
		43	20.98	32.50	0.71	5.10	28.12	-10.96	0.04	-0.13	-0.08	-0.01	-0.08
42	16	42	4.28	0.40	-5.40	-0.46	-4.54	-2.06	0.31	0.05	0.05	0.31	0.03
		50	3.56	-0.11	-5.06	-0.59	-4.58	1.48	0.22	0.04	0.05	0.21	0.04
		51	3.50	0.11	-5.13	-0.78	-4.24	-1.97	-4.53e-03	-0.08	-0.04	-0.04	-0.04
		43	3.15	-0.10	-4.83	-0.75	-4.18	1.63	0.04	-0.06	0.03	-0.06	-0.03
42	17	42	22.48	34.95	0.94	5.49	30.40	11.57	0.03	-0.16	-0.10	-0.03	0.09
		50	23.51	36.17	0.08	5.40	30.85	-12.79	0.19	-0.04	0.13	0.02	-0.10
		51	23.35	36.10	0.52	5.48	31.14	12.31	0.19	-0.04	0.12	0.03	0.10
		43	22.89	35.46	0.77	5.55	30.69	-11.95	0.05	-0.14	-0.08	-0.02	-0.09
42	18	42	2.41	0.47	-2.43	0.01	-1.97	-1.06	0.31	0.04	0.05	0.31	0.04
		50	1.70	-0.04	-2.06	-0.13	-1.96	0.43	0.21	0.06	0.07	0.21	0.03
		51	1.54	0.14	-2.10	-0.33	-1.63	-0.91	-5.74e-03	-0.06	-0.03	-0.04	-0.03
		43	1.25	-0.04	-1.87	-0.29	-1.61	0.64	0.03	-0.07	0.02	-0.06	-0.04
42	19	42	20.57	31.98	0.87	5.02	27.83	10.57	0.03	-0.15	-0.09	-0.03	0.08
		50	21.55	33.14	0.05	4.94	28.24	-11.75	0.17	-0.04	0.12	0.02	-0.09
		51	21.38	33.06	0.51	5.02	28.55	11.25	0.17	-0.03	0.11	0.02	0.09
		43	20.98	32.51	0.71	5.10	28.12	-10.96	0.04	-0.13	-0.07	-0.01	-0.08
42	20	42	4.28	0.40	-5.41	-0.46	-4.55	-2.06	0.31	0.05	0.05	0.31	0.03
		50	3.56	-0.11	-5.07	-0.60	-4.58	1.48	0.22	0.04	0.05	0.21	0.04
		51	3.50	0.11	-5.14	-0.78	-4.25	-1.97	-4.62e-03	-0.08	-0.04	-0.04	-0.04
		43	3.16	-0.10	-4.84	-0.75	-4.19	1.63	0.04	-0.06	0.03	-0.06	-0.03
42	21	42	22.48	34.95	0.94	5.49	30.40	11.57	0.03	-0.16	-0.10	-0.03	0.09
		50	23.52	36.18	0.08	5.40	30.86	-12.79	0.19	-0.04	0.13	0.02	-0.10
		51	23.35	36.10	0.53	5.48	31.15	12.31	0.19	-0.04	0.12	0.03	0.10
		43	22.89	35.47	0.77	5.55	30.69	-11.96	0.05	-0.14	-0.08	-0.02	-0.09
42	22	42	2.41	0.47	-2.43	6.96e-03	-1.97	-1.06	0.31	0.04	0.05	0.31	0.04
		50	1.71	-0.04	-2.07	-0.14	-1.97	0.43	0.21	0.06	0.07	0.21	0.03
		51	1.54	0.14	-2.10	-0.33	-1.64	-0.91	-5.85e-03	-0.06	-0.03	-0.04	-0.03
		43	1.26	-0.04	-1.88	-0.30	-1.62	0.64	0.03	-0.07	0.02	-0.06	-0.04
42	23	42	79.18	122.95	2.99	19.31	106.63	41.13	0.11	-0.55	-0.33	-0.11	0.31
		50	81.75	126.20	1.07	19.02	108.24	-43.86	0.64	-0.13	0.45	0.05	-0.33
		51	81.80	126.11	1.08	18.88	108.31	43.69	0.65	-0.12	0.44	0.10	0.34
		43	79.51	123.15	2.54	18.96	106.74	-41.35	0.15	-0.49	-0.28	-0.05	-0.30
42	24	42	3.93	1.42	-1.63	1.05	-1.26	-0.99	1.05	0.13	0.15	1.02	0.14
		50	2.36	0.61	-1.15	0.58	-1.13	0.21	0.71	0.21	0.23	0.69	0.10
		51	1.11	-0.24	-1.16	-0.46	-0.94	-0.39	-5.51e-03	-0.18	-0.07	-0.12	-0.08
		43	1.31	-0.07	-1.38	-0.52	-0.92	0.63	0.11	-0.24	0.06	-0.19	-0.13
42	25	42	79.76	123.84	3.01	19.45	107.40	41.43	0.11	-0.55	-0.33	-0.11	0.31
		50	82.34	127.11	1.08	19.16	109.03	-44.18	0.65	-0.13	0.46	0.06	-0.33
		51	82.39	127.02	1.09	19.02	109.09	44.01	0.65	-0.12	0.44	0.10	0.35
		43	80.09	124.04	2.56	19.09	107.51	-41.65	0.15	-0.49	-0.29	-0.05	-0.30
42	26	42	3.39	1.44	-0.73	1.19	-0.49	-0.69	1.05	0.12	0.15	1.02	0.14
		50	1.96	0.73	-0.35	0.72	-0.34	-0.11	0.71	0.22	0.24	0.69	0.10
		51	0.57	-0.13	-0.35	-0.32	-0.16	-0.08	-5.53e-03	-0.17	-0.06	-0.12	-0.08
		43	1.13	0.08	-0.62	-0.39	-0.15	0.33	0.11	-0.25	0.05	-0.19	-0.13
42	27	42	79.18	122.95	2.99	19.31	106.63	41.13	0.11	-0.55	-0.33	-0.11	0.31
		50	81.75	126.20	1.07	19.02	108.24	-43.86	0.64	-0.13	0.45	0.05	-0.33
		51	81.80	126.11	1.08	18.88	108.31	43.69	0.65	-0.12	0.44	0.10	0.34
		43	79.51	123.15	2.54	18.96	106.74	-41.35	0.15	-0.49	-0.28	-0.05	-0.30

42	28	42	3.93	1.42	-1.63	1.05	-1.26	-0.99	1.05	0.13	0.15	1.02	0.14
		50	2.36	0.61	-1.15	0.58	-1.13	0.21	0.71	0.21	0.23	0.69	0.10
		51	1.11	-0.24	-1.16	-0.46	-0.94	-0.39	-5.52e-03	-0.18	-0.07	-0.12	-0.08
		43	1.31	-0.07	-1.38	-0.52	-0.92	0.63	0.11	-0.24	0.06	-0.19	-0.13
42	29	42	79.76	123.84	3.01	19.45	107.40	41.43	0.11	-0.55	-0.33	-0.11	0.31
		50	82.34	127.11	1.08	19.16	109.03	-44.18	0.65	-0.13	0.46	0.06	-0.33
		51	82.39	127.02	1.09	19.02	109.09	44.01	0.65	-0.12	0.44	0.10	0.35
		43	80.09	124.04	2.56	19.09	107.51	-41.65	0.15	-0.49	-0.29	-0.05	-0.30
42	30	42	3.39	1.44	-0.73	1.19	-0.49	-0.69	1.05	0.12	0.15	1.02	0.14
		50	1.96	0.73	-0.35	0.72	-0.34	-0.11	0.71	0.22	0.24	0.69	0.10
		51	0.57	-0.13	-0.35	-0.32	-0.16	-0.08	-5.52e-03	-0.17	-0.06	-0.12	-0.08
		43	1.13	0.08	-0.62	-0.39	-0.15	0.33	0.11	-0.25	0.05	-0.19	-0.13
42	31	42	79.19	122.97	3.00	19.32	106.65	41.13	0.11	-0.55	-0.33	-0.11	0.31
		50	81.77	126.23	1.08	19.03	108.27	-43.87	0.64	-0.13	0.45	0.05	-0.33
		51	81.81	126.13	1.10	18.89	108.34	43.68	0.65	-0.12	0.44	0.10	0.34
		43	79.52	123.17	2.55	18.96	106.76	-41.36	0.15	-0.49	-0.28	-0.05	-0.30
42	32	42	3.93	1.41	-1.64	1.04	-1.27	-0.99	1.05	0.13	0.15	1.02	0.14
		50	2.37	0.59	-1.18	0.57	-1.15	0.21	0.71	0.21	0.23	0.69	0.10
		51	1.12	-0.25	-1.18	-0.47	-0.97	-0.39	-5.89e-03	-0.18	-0.07	-0.12	-0.08
		43	1.32	-0.07	-1.40	-0.53	-0.94	0.63	0.11	-0.24	0.05	-0.19	-0.12
42	33	42	79.76	123.86	3.02	19.46	107.42	41.43	0.11	-0.55	-0.33	-0.11	0.31
		50	82.36	127.14	1.09	19.17	109.06	-44.18	0.65	-0.13	0.46	0.06	-0.33
		51	82.40	127.04	1.10	19.03	109.12	44.00	0.65	-0.12	0.44	0.10	0.34
		43	80.10	124.06	2.57	19.10	107.53	-41.66	0.15	-0.49	-0.29	-0.05	-0.30
42	34	42	3.39	1.43	-0.75	1.18	-0.50	-0.69	1.05	0.12	0.15	1.02	0.14
		50	1.97	0.72	-0.38	0.71	-0.37	-0.10	0.71	0.22	0.24	0.69	0.10
		51	0.58	-0.16	-0.36	-0.33	-0.19	-0.07	-5.91e-03	-0.17	-0.06	-0.12	-0.08
		43	1.13	0.07	-0.63	-0.40	-0.17	0.33	0.11	-0.25	0.05	-0.19	-0.13
42	35	42	79.19	122.97	3.00	19.32	106.65	41.13	0.11	-0.55	-0.33	-0.11	0.31
		50	81.77	126.23	1.08	19.03	108.27	-43.87	0.64	-0.13	0.45	0.05	-0.33
		51	81.81	126.13	1.10	18.89	108.34	43.68	0.65	-0.12	0.44	0.10	0.34
		43	79.52	123.17	2.55	18.96	106.76	-41.36	0.15	-0.49	-0.28	-0.05	-0.30
42	36	42	3.93	1.41	-1.64	1.04	-1.27	-0.99	1.05	0.13	0.15	1.02	0.14
		50	2.37	0.59	-1.18	0.57	-1.15	0.21	0.71	0.21	0.23	0.69	0.10
		51	1.12	-0.25	-1.18	-0.47	-0.97	-0.39	-5.90e-03	-0.18	-0.07	-0.12	-0.08
		43	1.32	-0.07	-1.40	-0.53	-0.94	0.63	0.11	-0.24	0.05	-0.19	-0.12
42	37	42	79.76	123.86	3.02	19.46	107.42	41.43	0.11	-0.55	-0.33	-0.11	0.31
		50	82.36	127.14	1.09	19.17	109.06	-44.18	0.65	-0.13	0.46	0.06	-0.33
		51	82.40	127.04	1.10	19.03	109.12	44.00	0.65	-0.12	0.44	0.10	0.34
		43	80.10	124.06	2.57	19.10	107.53	-41.66	0.15	-0.49	-0.29	-0.05	-0.30
42	38	42	3.39	1.43	-0.75	1.18	-0.50	-0.69	1.05	0.12	0.15	1.02	0.14
		50	1.97	0.72	-0.38	0.71	-0.37	-0.10	0.71	0.22	0.24	0.69	0.10
		51	0.58	-0.16	-0.36	-0.33	-0.19	-0.07	-5.91e-03	-0.17	-0.06	-0.12	-0.08
		43	1.13	0.07	-0.63	-0.40	-0.17	0.33	0.11	-0.25	0.05	-0.19	-0.13
42	39	42	0.30	0.18	-0.33	-0.05	-0.10	-0.25	-4.13e-06	-7.82e-03	-6.07e-03	-1.75e-03	3.26e-03
		50	0.43	0.28	-0.45	-0.06	-0.12	-0.37	5.85e-03	-1.32e-03	3.08e-03	1.45e-03	-3.49e-03
		51	0.32	0.44	-0.06	0.11	0.27	-0.24	8.43e-04	-6.41e-03	-3.05e-03	-2.52e-03	3.62e-03
		43	0.28	0.42	0.02	0.18	0.26	-0.20	1.95e-03	-4.06e-03	-9.75e-04	-1.14e-03	-3.01e-03
42	40	42	0.29	0.18	-0.31	-0.04	-0.09	-0.24	1.77e-04	-7.46e-03	-5.62e-03	-1.66e-03	3.27e-03
		50	0.42	0.29	-0.43	-0.04	-0.10	-0.36	6.17e-03	-1.11e-03	3.52e-03	1.53e-03	-3.50e-03
		51	0.32	0.45	-0.04	0.12	0.29	-0.23	1.04e-03	-6.11e-03	-2.63e-03	-2.44e-03	3.57e-03
		43	0.27	0.43	0.04	0.19	0.27	-0.19	2.25e-03	-3.86e-03	-5.55e-04	-1.05e-03	-3.04e-03
42	41	42	0.30	0.18	-0.33	-0.05	-0.10	-0.25	-1.23e-05	-7.83e-03	-6.08e-03	-1.76e-03	3.26e-03
		50	0.43	0.28	-0.45	-0.05	-0.12	-0.37	5.84e-03	-1.32e-03	3.07e-03	1.44e-03	-3.49e-03
		51	0.32	0.44	-0.06	0.11	0.27	-0.24	8.38e-04	-6.43e-03	-3.06e-03	-2.53e-03	3.62e-03
		43	0.28	0.42	0.02	0.18	0.26	-0.20	1.94e-03	-4.07e-03	-9.80e-04	-1.15e-03	-3.00e-03
42	42	42	0.29	0.18	-0.31	-0.04	-0.09	-0.24	1.69e-04	-7.47e-03	-5.62e-03	-1.67e-03	3.27e-03
		50	0.42	0.29	-0.43	-0.04	-0.10	-0.36	6.16e-03	-1.12e-03	3.52e-03	1.52e-03	-3.50e-03
		51	0.32	0.45	-0.04	0.12	0.29	-0.23	1.03e-03	-6.12e-03	-2.64e-03	-2.45e-03	3.58e-03
		43	0.27	0.43	0.04	0.19	0.27	-0.19	2.24e-03	-3.86e-03	-5.61e-04	-1.06e-03	-3.04e-03
42	43	42	0.30	0.18	-0.33	-0.05	-0.10	-0.25	5.55e-06	-7.79e-03	-6.03e-03	-1.75e-03	3.26e-03
		50	0.43	0.29	-0.45	-0.05	-0.11	-0.37	5.88e-03	-1.30e-03	3.12e-03	1.45e-03	-3.49e-03
		51	0.32	0.44	-0.06	0.11	0.27	-0.24	8.60e-04	-6.38e-03	-3.00e-03	-2.52e-03	3.61e-03
		43	0.28	0.42	0.02	0.18	0.26	-0.20	1.99e-03	-4.04e-03	-9.20e-04	-1.14e-03	-3.01e-03
42	44	42	0.29	0.18	-0.31	-0.04	-0.09	-0.24	1.67e-04	-7.50e-03	-5.67e-03	-1.66e-03	3.27e-03
		50	0.42	0.29	-0.43	-0.04	-0.10	-0.36	6.14e-03	-1.13e-03	3.48e-03	1.54e-03	-3.50e-03
		51	0.32	0.45	-0.04	0.12	0.29	-0.23	1.02e-03	-6.14e-03	-2.69e-03	-2.44e-03	3.58e-03
		43	0.27	0.43	0.04	0.19	0.27	-0.19	2.22e-03	-3.87e-03	-6.10e-04	-1.05e-03	-3.04e-03
42	45	42	0.30	0.18	-0.33	-0.05	-0.10	-0.25	-2.58e-06	-7.79e-03	-6.03e-03	-1.76e-03	3.26e-03
		50	0.43	0.29	-0.45	-0.05	-0.11	-0.37	5.87e-03	-1.31e-03	3.12e-03	1.44e-03	-3.49e-03
		51	0.32	0.44	-0.06	0.11	0.27	-0.24	8.55e-04	-6.39e-03	-3.00e-03	-2.52e-03	3.62e-03
		43	0.28	0.42	0.02	0.18	0.26	-0.20	1.98e-03	-4.05e-03	-9.26e-04	-1.15e-03	-3.01e-03
42	46	42	0.29	0.18	-0.31	-0.04	-0.09	-0.24	1.59e-04	-7.50e-03	-5.67e-03	-1.67e-03	3.27e-03
		50	0.42	0.29	-0.43	-0.04	-0.10	-0.36	6.13e-03	-1.13e-03	3.48e-03	1.52e-03	-3.50e-03
		51	0.32	0.45	-0.04	0.12	0.29	-0.23	1.02e-03	-6.16e-03	-2.69e-03	-2.45e-03	3.59e-03
		43	0.27	0.43	0.04	0.19	0.27	-0.19	2.21e-03	-3.88e-03	-6.15e-04	-1.06e-03	-3.03e-03
42	47	42	0.30	0.18	-0.33	-0.05	-0.10	-0.25	-4.40e-06	-7.82e-03	-6.07e-03	-1.75e-03	3.26e-03

		50	0.43	0.28	-0.45	-0.06	-0.12	-0.37	5.85e-03	-1.31e-03	3.08e-03	1.46e-03	-3.49e-03
		51	0.32	0.44	-0.06	0.11	0.27	-0.24	8.49e-04	-6.42e-03	-3.05e-03	-2.52e-03	3.62e-03
		43	0.28	0.42	0.02	0.18	0.26	-0.20	1.95e-03	-4.06e-03	-9.75e-04	-1.14e-03	-3.00e-03
42	48	42	0.29	0.18	-0.31	-0.04	-0.09	-0.24	1.77e-04	-7.46e-03	-5.62e-03	-1.66e-03	3.27e-03
		50	0.42	0.29	-0.43	-0.04	-0.10	-0.36	6.17e-03	-1.11e-03	3.52e-03	1.53e-03	-3.50e-03
		51	0.32	0.45	-0.04	0.12	0.29	-0.23	1.04e-03	-6.11e-03	-2.63e-03	-2.44e-03	3.58e-03
		43	0.27	0.43	0.04	0.19	0.27	-0.19	2.25e-03	-3.85e-03	-5.55e-04	-1.05e-03	-3.04e-03
42	49	42	0.30	0.18	-0.33	-0.05	-0.10	-0.25	-1.20e-05	-7.83e-03	-6.08e-03	-1.76e-03	3.26e-03
		50	0.43	0.28	-0.45	-0.05	-0.12	-0.37	5.84e-03	-1.32e-03	3.08e-03	1.44e-03	-3.49e-03
		51	0.32	0.44	-0.06	0.11	0.27	-0.24	8.33e-04	-6.42e-03	-3.06e-03	-2.53e-03	3.62e-03
		43	0.28	0.42	0.02	0.18	0.26	-0.20	1.94e-03	-4.07e-03	-9.80e-04	-1.15e-03	-3.01e-03
42	50	42	0.29	0.18	-0.31	-0.04	-0.09	-0.24	1.69e-04	-7.47e-03	-5.62e-03	-1.67e-03	3.27e-03
		50	0.42	0.29	-0.43	-0.04	-0.10	-0.36	6.17e-03	-1.12e-03	3.52e-03	1.52e-03	-3.50e-03
		51	0.32	0.45	-0.04	0.12	0.29	-0.23	1.03e-03	-6.12e-03	-2.64e-03	-2.45e-03	3.57e-03
		43	0.27	0.43	0.04	0.19	0.27	-0.19	2.25e-03	-3.86e-03	-5.60e-04	-1.06e-03	-3.04e-03
42	51	42	0.30	0.18	-0.33	-0.05	-0.10	-0.25	5.28e-06	-7.79e-03	-6.03e-03	-1.75e-03	3.26e-03
		50	0.43	0.29	-0.45	-0.05	-0.11	-0.37	5.87e-03	-1.30e-03	3.12e-03	1.45e-03	-3.49e-03
		51	0.32	0.44	-0.06	0.11	0.27	-0.24	8.66e-04	-6.38e-03	-3.00e-03	-2.52e-03	3.62e-03
		43	0.28	0.42	0.02	0.18	0.26	-0.20	1.98e-03	-4.04e-03	-9.21e-04	-1.14e-03	-3.01e-03
42	52	42	0.29	0.18	-0.31	-0.04	-0.09	-0.24	1.66e-04	-7.49e-03	-5.62e-03	-1.66e-03	3.27e-03
		50	0.42	0.29	-0.43	-0.04	-0.10	-0.36	6.14e-03	-1.12e-03	3.48e-03	1.54e-03	-3.50e-03
		51	0.32	0.45	-0.04	0.12	0.29	-0.23	1.03e-03	-6.15e-03	-2.69e-03	-2.44e-03	3.59e-03
		43	0.27	0.43	0.04	0.19	0.27	-0.19	2.21e-03	-3.87e-03	-6.10e-04	-1.05e-03	-3.03e-03
42	53	42	0.30	0.18	-0.33	-0.05	-0.10	-0.25	-2.30e-06	-7.79e-03	-6.03e-03	-1.76e-03	3.26e-03
		50	0.43	0.29	-0.45	-0.05	-0.11	-0.37	5.87e-03	-1.31e-03	3.12e-03	1.44e-03	-3.49e-03
		51	0.32	0.44	-0.06	0.11	0.27	-0.24	8.49e-04	-6.39e-03	-3.00e-03	-2.53e-03	3.61e-03
		43	0.28	0.42	0.02	0.18	0.26	-0.20	1.98e-03	-4.05e-03	-9.26e-04	-1.15e-03	-3.01e-03
42	54	42	0.29	0.18	-0.31	-0.04	-0.09	-0.24	1.59e-04	-7.50e-03	-5.67e-03	-1.67e-03	3.27e-03
		50	0.42	0.29	-0.43	-0.04	-0.10	-0.36	6.14e-03	-1.14e-03	3.48e-03	1.52e-03	-3.50e-03
		51	0.32	0.45	-0.04	0.12	0.29	-0.23	1.01e-03	-6.16e-03	-2.69e-03	-2.45e-03	3.58e-03
		43	0.27	0.43	0.04	0.19	0.27	-0.19	2.21e-03	-3.88e-03	-6.15e-04	-1.06e-03	-3.04e-03
42	55	42	0.31	0.17	-0.35	-0.06	-0.12	-0.26	-2.10e-04	-8.25e-03	-6.60e-03	-1.86e-03	3.25e-03
		50	0.44	0.27	-0.48	-0.07	-0.14	-0.38	5.48e-03	-1.56e-03	2.55e-03	1.36e-03	-3.47e-03
		51	0.33	0.43	-0.09	0.10	0.25	-0.25	6.23e-04	-6.78e-03	-3.54e-03	-2.62e-03	3.67e-03
		43	0.28	0.42	-4.12e-03	0.17	0.24	-0.21	1.61e-03	-4.32e-03	-1.47e-03	-1.24e-03	-2.96e-03
42	56	42	0.28	0.19	-0.28	-0.02	-0.07	-0.23	3.94e-04	-7.05e-03	-5.09e-03	-1.56e-03	3.28e-03
		50	0.41	0.30	-0.40	-0.03	-0.07	-0.35	6.56e-03	-8.92e-04	4.05e-03	1.62e-03	-3.52e-03
		51	0.32	0.46	-0.02	0.13	0.31	-0.22	1.27e-03	-5.77e-03	-2.15e-03	-2.34e-03	3.52e-03
		43	0.27	0.43	0.06	0.20	0.29	-0.18	2.61e-03	-3.62e-03	-6.72e-05	-9.46e-04	-3.09e-03
42	57	42	0.31	0.17	-0.35	-0.06	-0.12	-0.26	-2.13e-04	-8.25e-03	-6.60e-03	-1.86e-03	3.25e-03
		50	0.44	0.27	-0.48	-0.07	-0.14	-0.38	5.47e-03	-1.56e-03	2.55e-03	1.35e-03	-3.47e-03
		51	0.33	0.43	-0.09	0.10	0.25	-0.25	6.22e-04	-6.79e-03	-3.54e-03	-2.63e-03	3.68e-03
		43	0.28	0.42	-4.07e-03	0.17	0.24	-0.21	1.60e-03	-4.32e-03	-1.47e-03	-1.25e-03	-2.96e-03
42	58	42	0.28	0.19	-0.28	-0.02	-0.07	-0.23	3.91e-04	-7.05e-03	-5.10e-03	-1.56e-03	3.28e-03
		50	0.41	0.30	-0.40	-0.03	-0.07	-0.35	6.56e-03	-8.94e-04	4.04e-03	1.62e-03	-3.52e-03
		51	0.32	0.46	-0.02	0.13	0.31	-0.22	1.27e-03	-5.77e-03	-2.15e-03	-2.35e-03	3.52e-03
		43	0.27	0.43	0.06	0.20	0.29	-0.18	2.61e-03	-3.63e-03	-6.89e-05	-9.49e-04	-3.09e-03
42	59	42	0.31	0.17	-0.35	-0.06	-0.12	-0.26	-2.11e-04	-8.25e-03	-6.60e-03	-1.86e-03	3.25e-03
		50	0.44	0.27	-0.48	-0.07	-0.14	-0.38	5.47e-03	-1.56e-03	2.55e-03	1.36e-03	-3.47e-03
		51	0.33	0.43	-0.09	0.10	0.25	-0.25	6.25e-04	-6.78e-03	-3.54e-03	-2.62e-03	3.68e-03
		43	0.28	0.42	-4.11e-03	0.17	0.24	-0.21	1.61e-03	-4.32e-03	-1.47e-03	-1.24e-03	-2.96e-03
42	60	42	0.28	0.19	-0.28	-0.02	-0.07	-0.23	3.94e-04	-7.05e-03	-5.09e-03	-1.56e-03	3.28e-03
		50	0.41	0.30	-0.40	-0.03	-0.07	-0.35	6.56e-03	-8.91e-04	4.05e-03	1.62e-03	-3.52e-03
		51	0.32	0.46	-0.02	0.13	0.31	-0.22	1.28e-03	-5.77e-03	-2.15e-03	-2.34e-03	3.52e-03
		43	0.27	0.43	0.06	0.20	0.29	-0.18	2.61e-03	-3.62e-03	-6.73e-05	-9.46e-04	-3.09e-03
42	61	42	0.31	0.17	-0.35	-0.06	-0.12	-0.26	-2.13e-04	-8.25e-03	-6.60e-03	-1.86e-03	3.25e-03
		50	0.44	0.27	-0.48	-0.07	-0.14	-0.38	5.47e-03	-1.57e-03	2.55e-03	1.35e-03	-3.47e-03
		51	0.33	0.43	-0.09	0.10	0.25	-0.25	6.20e-04	-6.79e-03	-3.54e-03	-2.63e-03	3.67e-03
		43	0.28	0.42	-4.07e-03	0.17	0.24	-0.21	1.61e-03	-4.32e-03	-1.47e-03	-1.25e-03	-2.96e-03
42	62	42	0.28	0.19	-0.28	-0.02	-0.07	-0.23	3.92e-04	-7.05e-03	-5.10e-03	-1.57e-03	3.28e-03
		50	0.41	0.30	-0.40	-0.03	-0.07	-0.35	6.56e-03	-8.94e-04	4.05e-03	1.62e-03	-3.52e-03
		51	0.32	0.46	-0.02	0.13	0.31	-0.22	1.27e-03	-5.77e-03	-2.15e-03	-2.35e-03	3.52e-03
		43	0.27	0.43	0.06	0.20	0.29	-0.18	2.61e-03	-3.63e-03	-6.88e-05	-9.50e-04	-3.09e-03
42	63	42	0.31	0.18	-0.35	-0.06	-0.11	-0.26	-1.81e-04	-8.13e-03	-6.45e-03	-1.86e-03	3.25e-03
		50	0.44	0.28	-0.48	-0.06	-0.13	-0.38	5.57e-03	-1.52e-03	2.70e-03	1.35e-03	-3.48e-03
		51	0.33	0.44	-0.08	0.10	0.26	-0.25	6.76e-04	-6.66e-03	-3.36e-03	-2.62e-03	3.65e-03
		43	0.28	0.42	-1.39e-03	0.18	0.25	-0.21	1.72e-03	-4.25e-03	-1.29e-03	-1.24e-03	-2.98e-03
42	64	42	0.28	0.18	-0.28	-0.03	-0.07	-0.23	3.57e-04	-7.16e-03	-5.24e-03	-1.56e-03	3.28e-03
		50	0.41	0.29	-0.41	-0.03	-0.08	-0.35	6.46e-03	-9.29e-04	3.90e-03	1.63e-03	-3.51e-03
		51	0.31	0.45	-0.02	0.13	0.30	-0.22	1.21e-03	-5.88e-03	-2.33e-03	-2.35e-03	3.55e-03
		43	0.27	0.43	0.06	0.20	0.29	-0.18	2.49e-03	-3.68e-03	-2.49e-04	-9.48e-04	-3.06e-03
42	65	42	0.31	0.18	-0.35	-0.06	-0.11	-0.26	-1.83e-04	-8.14e-03	-6.45e-03	-1.86e-03	3.25e-03
		50	0.44	0.28	-0.48	-0.06	-0.13	-0.38	5.56e-03	-1.52e-03	2.70e-03	1.35e-03	-3.48e-03
		51	0.33	0.44	-0.08	0.10	0.26	-0.25	6.74e-04	-6.66e-03	-3.36e-03	-2.63e-03	3.65e-03
		43	0.28	0.42	-1.35e-03	0.18	0.25	-0.21	1.72e-03	-4.25e-03	-1.29e-03	-1.29e-03	-2.98e-03
42	66	42	0.28	0.18	-0.28	-0.03	-0.07	-0.23	3.54e-04	-7.16e-03	-5.24e-03	-1.56e-03	3.28e-03
		50	0.41	0.29	-0.41	-0.03	-0.08	-0.35	6.46e-03	-9.31e-04	3.90e-03	1.62e-03	-3.51e-03

		51	0.31	0.45	-0.02	0.13	0.30	-0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.35e-03	3.55e-03
		43	0.27	0.43	0.06	0.20	0.29	-0.18	2.48e-03	-3.68e-03	-2.51e-04	-9.51e-04	-3.06e-03
42	67	42	0.31	0.18	-0.35	-0.06	-0.11	-0.26	-1.81e-04	-8.13e-03	-6.45e-03	-1.86e-03	3.25e-03
		50	0.44	0.28	-0.48	-0.06	-0.13	-0.38	5.57e-03	-1.52e-03	2.70e-03	1.35e-03	-3.48e-03
		51	0.33	0.44	-0.08	0.10	0.26	-0.25	6.77e-04	-6.66e-03	-3.36e-03	-2.62e-03	3.65e-03
		43	0.28	0.42	-1.39e-03	0.18	0.25	-0.21	1.72e-03	-4.25e-03	-1.29e-03	-1.24e-03	-2.98e-03
42	68	42	0.28	0.18	-0.28	-0.03	-0.07	-0.23	3.56e-04	-7.16e-03	-5.24e-03	-1.56e-03	3.28e-03
		50	0.41	0.29	-0.41	-0.03	-0.08	-0.35	6.46e-03	-9.28e-04	3.90e-03	1.63e-03	-3.51e-03
		51	0.31	0.45	-0.02	0.13	0.30	-0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.35e-03	3.55e-03
		43	0.27	0.43	0.06	0.20	0.29	-0.18	2.48e-03	-3.68e-03	-2.49e-04	-9.48e-04	-3.06e-03
42	69	42	0.31	0.18	-0.35	-0.06	-0.11	-0.26	-1.83e-04	-8.14e-03	-6.45e-03	-1.86e-03	3.25e-03
		50	0.44	0.28	-0.48	-0.06	-0.13	-0.38	5.56e-03	-1.52e-03	2.70e-03	1.35e-03	-3.48e-03
		51	0.33	0.44	-0.08	0.10	0.26	-0.25	6.72e-04	-6.66e-03	-3.36e-03	-2.63e-03	3.65e-03
		43	0.28	0.42	-1.35e-03	0.18	0.25	-0.21	1.72e-03	-4.25e-03	-1.29e-03	-1.25e-03	-2.98e-03
42	70	42	0.28	0.18	-0.28	-0.03	-0.07	-0.23	3.54e-04	-7.16e-03	-5.24e-03	-1.56e-03	3.28e-03
		50	0.41	0.29	-0.41	-0.03	-0.08	-0.35	6.46e-03	-9.32e-04	3.90e-03	1.49e-03	-3.51e-03
		51	0.31	0.45	-0.02	0.13	0.30	-0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.35e-03	3.55e-03
		43	0.27	0.43	0.06	0.20	0.29	-0.18	2.48e-03	-3.68e-03	-2.51e-04	-9.51e-04	-3.06e-03
42	71	42	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		51	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		43	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
42	72	42	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		51	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		43	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
42	73	42	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		51	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		43	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
42	74	42	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		51	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		43	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
42	75	42	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		51	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		43	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
42	76	42	0.29	0.18	-0.32	-0.04	-0.09	-0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	3.26e-03
		50	0.42	0.29	-0.44	-0.05	-0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	-3.50e-03
		51	0.32	0.45	-0.05	0.11	0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	3.60e-03
		43	0.27	0.42	0.03	0.19	0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	-3.02e-03
43	1	43	0.29	0.37	-0.02	0.17	0.17	-0.19	2.52e-03	-0.02	-0.01	-4.93e-03	0.01
		51	0.45	0.47	-0.24	0.06	0.17	-0.35	0.01	-9.08e-03	2.89e-03	-6.79e-04	-0.01
		52	0.23	0.38	0.13	0.14	0.38	0.04	0.01	-7.20e-04	2.52e-04	2.52e-04	0.01
		44	0.22	0.38	0.26	0.27	0.36	-0.04	7.03e-03	-0.01	-6.94e-03	1.63e-04	-9.79e-03
43	2	43	0.29	0.37	-0.02	0.17	0.17	-0.19	2.52e-03	-0.02	-0.01	-4.93e-03	0.01
		51	0.45	0.47	-0.24	0.06	0.17	-0.35	0.01	-9.08e-03	2.89e-03	-6.79e-04	-0.01
		52	0.23	0.38	0.13	0.14	0.38	0.04	0.01	-7.20e-04	2.52e-04	2.52e-04	0.01
		44	0.22	0.38	0.26	0.27	0.36	-0.04	7.03e-03	-0.01	-6.94e-03	1.63e-04	-9.79e-03
43	3	43	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		51	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		52	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		44	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
43	4	43	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		51	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		52	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		44	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
43	5	43	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		51	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		52	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		44	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
43	6	43	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		51	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		52	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		44	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
43	7	43	20.74	32.19	0.86	5.08	27.97	10.69	0.04	-0.14	-0.08	-0.02	0.09
		51	21.50	33.14	0.25	5.00	28.40	-11.56	0.17	-0.03	0.12	0.02	-0.09
		52	21.44	33.09	0.38	4.99	28.47	11.39	0.18	-0.03	0.12	0.03	0.09
		44	20.91	32.36	0.72	5.03	28.05	-10.85	0.05	-0.13	-0.07	-5.09e-03	-0.08
43	8	43	3.39	6.51e-03	-5.14	-0.77	-4.36	-1.85	-7.43e-03	-0.04	-7.46e-03	-0.04	-1.01e-03
		51	3.18	-0.18	-5.01	-0.77	-4.42	1.58	1.54e-03	-0.03	-9.75e-03	-0.02	-0.02
		52	3.26	0.07	-4.99	-0.67	-4.25	-1.79	-2.38e-03	-0.02	-0.02	-5.86e-03	7.64e-03
		44	3.20	0.16	-4.87	-0.50	-4.20	1.70	6.10e-03	-1.35e-03	3.76e-03	9.92e-04	-3.46e-03
43	9	43	22.66	35.15	0.92	5.54	30.54	11.70	0.05	-0.16	-0.09	-0.02	0.09
		51	23.45	36.17	0.29	5.45	31.00	-12.59	0.19	-0.03	0.14	0.03	-0.10
		52	23.41	36.11	0.40	5.44	31.07	12.43	0.19	-0.03	0.13	0.03	0.10

		44	22.82	35.32	0.77	5.47	30.61	-11.85	0.06	-0.14	-0.08	-5.62e-03	-0.09
43	10	43	1.47	0.07	-2.18	-0.32	-1.79	-0.84	-0.01	-0.04	-0.01	-0.04	6.24e-03
		51	1.25	-0.14	-1.99	-0.31	-1.82	0.54	0.02	-0.03	1.49e-03	-0.02	-0.02
		52	1.34	0.10	-1.96	-0.22	-1.65	-0.74	9.87e-03	-0.02	-8.13e-03	-3.04e-03	0.02
		44	1.34	0.21	-1.91	-0.06	-1.64	0.71	9.60e-03	-0.01	-2.53e-03	4.63e-04	-0.01
43	11	43	20.74	32.19	0.86	5.08	27.97	10.69	0.04	-0.14	-0.08	-0.02	0.09
		51	21.50	33.15	0.25	5.00	28.40	-11.56	0.17	-0.03	0.12	0.02	-0.09
		52	21.44	33.09	0.38	4.99	28.48	11.38	0.18	-0.03	0.12	0.03	0.09
		44	20.91	32.37	0.72	5.03	28.06	-10.86	0.05	-0.13	-0.07	-5.12e-03	-0.08
43	12	43	3.38	2.45e-03	-5.14	-0.78	-4.36	-1.84	-7.46e-03	-0.04	-7.50e-03	-0.04	-1.00e-03
		51	3.18	-0.18	-5.01	-0.77	-4.43	1.58	1.50e-03	-0.03	-9.79e-03	-0.02	-0.02
		52	3.26	0.07	-4.99	-0.67	-4.25	-1.78	-2.37e-03	-0.02	-0.02	-5.86e-03	7.66e-03
		44	3.20	0.16	-4.87	-0.50	-4.21	1.70	6.05e-03	-1.35e-03	3.68e-03	1.02e-03	-3.45e-03
43	13	43	22.66	35.15	0.92	5.54	30.54	11.69	0.05	-0.16	-0.09	-0.02	0.09
		51	23.45	36.17	0.29	5.46	31.01	-12.60	0.19	-0.03	0.14	0.03	-0.10
		52	23.41	36.11	0.40	5.44	31.07	12.43	0.19	-0.03	0.13	0.03	0.10
		44	22.82	35.32	0.77	5.47	30.62	-11.85	0.06	-0.14	-0.08	-5.64e-03	-0.09
43	14	43	1.47	0.06	-2.18	-0.32	-1.79	-0.84	-0.01	-0.04	-0.01	-0.04	6.25e-03
		51	1.26	-0.14	-1.99	-0.31	-1.82	0.54	0.02	-0.03	1.45e-03	-0.02	-0.02
		52	1.34	0.09	-1.96	-0.22	-1.65	-0.74	9.86e-03	-0.02	-8.20e-03	-3.04e-03	0.02
		44	1.34	0.21	-1.92	-0.06	-1.65	0.71	9.58e-03	-0.01	-2.60e-03	4.86e-04	-0.01
43	15	43	20.74	32.19	0.86	5.08	27.97	10.69	0.04	-0.14	-0.08	-0.02	0.09
		51	21.50	33.14	0.25	5.00	28.40	-11.56	0.17	-0.03	0.12	0.02	-0.09
		52	21.44	33.09	0.38	4.99	28.47	11.39	0.18	-0.03	0.12	0.03	0.09
		44	20.91	32.36	0.72	5.03	28.05	-10.85	0.05	-0.13	-0.07	-5.09e-03	-0.08
43	16	43	3.39	6.55e-03	-5.14	-0.77	-4.36	-1.85	-7.43e-03	-0.04	-7.46e-03	-0.04	-1.02e-03
		51	3.18	-0.18	-5.01	-0.77	-4.42	1.58	1.54e-03	-0.03	-9.75e-03	-0.02	-0.02
		52	3.26	0.07	-4.99	-0.67	-4.25	-1.79	-2.37e-03	-0.02	-0.02	-5.86e-03	7.65e-03
		44	3.20	0.16	-4.87	-0.50	-4.20	1.70	6.11e-03	-1.36e-03	3.76e-03	9.91e-04	-3.47e-03
43	17	43	22.66	35.15	0.92	5.54	30.54	11.70	0.05	-0.16	-0.09	-0.02	0.09
		51	23.45	36.17	0.29	5.45	31.00	-12.59	0.19	-0.03	0.14	0.03	-0.10
		52	23.41	36.11	0.40	5.44	31.07	12.43	0.19	-0.03	0.13	0.03	0.10
		44	22.82	35.32	0.77	5.47	30.61	-11.85	0.06	-0.14	-0.08	-5.62e-03	-0.09
43	18	43	1.47	0.07	-2.18	-0.32	-1.79	-0.84	-0.01	-0.04	-0.01	-0.04	6.25e-03
		51	1.25	-0.14	-1.99	-0.31	-1.82	0.54	0.02	-0.03	1.49e-03	-0.02	-0.02
		52	1.34	0.10	-1.96	-0.22	-1.65	-0.74	9.86e-03	-0.02	-8.13e-03	-3.04e-03	0.02
		44	1.34	0.21	-1.91	-0.06	-1.64	0.71	9.59e-03	-0.01	-2.53e-03	4.64e-04	-0.01
43	19	43	20.74	32.19	0.86	5.08	27.97	10.69	0.04	-0.14	-0.08	-0.02	0.09
		51	21.50	33.15	0.25	5.00	28.40	-11.56	0.17	-0.03	0.12	0.02	-0.09
		52	21.44	33.09	0.38	4.99	28.48	11.38	0.18	-0.03	0.12	0.03	0.09
		44	20.91	32.37	0.72	5.03	28.06	-10.86	0.05	-0.13	-0.07	-5.12e-03	-0.08
43	20	43	3.38	2.49e-03	-5.14	-0.78	-4.36	-1.84	-7.46e-03	-0.04	-7.50e-03	-0.04	-1.01e-03
		51	3.18	-0.18	-5.01	-0.77	-4.43	1.58	1.49e-03	-0.03	-9.79e-03	-0.02	-0.02
		52	3.26	0.07	-4.99	-0.67	-4.25	-1.78	-2.36e-03	-0.02	-0.02	-5.86e-03	7.67e-03
		44	3.20	0.16	-4.87	-0.50	-4.21	1.70	6.06e-03	-1.37e-03	3.68e-03	1.01e-03	-3.47e-03
43	21	43	22.66	35.15	0.92	5.54	30.54	11.69	0.05	-0.16	-0.09	-0.02	0.09
		51	23.45	36.17	0.29	5.46	31.01	-12.60	0.19	-0.03	0.14	0.03	-0.10
		52	23.41	36.11	0.40	5.44	31.07	12.43	0.19	-0.03	0.13	0.03	0.10
		44	22.82	35.32	0.77	5.47	30.62	-11.85	0.06	-0.14	-0.08	-5.64e-03	-0.09
43	22	43	1.47	0.06	-2.18	-0.32	-1.79	-0.84	-0.01	-0.04	-0.01	-0.04	6.26e-03
		51	1.26	-0.14	-1.99	-0.31	-1.82	0.54	0.02	-0.03	1.45e-03	-0.02	-0.02
		52	1.34	0.09	-1.96	-0.22	-1.65	-0.74	9.85e-03	-0.02	-8.20e-03	-3.04e-03	0.02
		44	1.34	0.21	-1.92	-0.06	-1.65	0.71	9.57e-03	-0.01	-2.60e-03	4.87e-04	-0.01
43	23	43	79.39	122.96	2.62	19.04	106.54	41.31	0.15	-0.51	-0.30	-0.06	0.31
		51	81.42	125.81	1.35	18.97	108.18	-43.39	0.65	-0.09	0.47	0.09	-0.31
		52	81.50	125.68	1.12	18.77	108.03	43.45	0.65	-0.08	0.46	0.12	0.32
		44	79.50	122.88	2.20	18.63	106.45	-41.39	0.18	-0.47	-0.27	-0.02	-0.30
43	24	43	1.06	-0.22	-1.46	-0.46	-1.22	-0.49	-0.04	-0.12	-0.04	-0.12	0.02
		51	0.94	-0.10	-1.35	-0.24	-1.21	0.39	0.07	-0.10	0.02	-0.06	-0.07
		52	0.96	0.10	-1.22	-0.08	-1.04	-0.46	0.04	-0.05	-3.99e-03	-4.68e-03	0.05
		44	1.01	0.34	-1.22	0.19	-1.07	0.46	0.03	-0.04	-8.35e-03	4.55e-04	-0.03
43	25	43	79.96	123.85	2.64	19.18	107.31	41.61	0.16	-0.51	-0.30	-0.06	0.31
		51	82.00	126.71	1.36	19.11	108.96	-43.71	0.65	-0.09	0.47	0.09	-0.32
		52	82.09	126.59	1.12	18.91	108.81	43.76	0.66	-0.08	0.46	0.12	0.33
		44	80.08	123.77	2.21	18.76	107.22	-41.69	0.18	-0.47	-0.27	-0.02	-0.30
43	26	43	0.52	-0.19	-0.59	-0.33	-0.45	-0.19	-0.04	-0.12	-0.04	-0.12	0.02
		51	0.49	-0.08	-0.45	-0.10	-0.43	0.08	0.07	-0.10	0.03	-0.06	-0.08
		52	0.42	0.11	-0.32	0.05	-0.26	-0.15	0.05	-0.05	-6.87e-04	-3.84e-03	0.05
		44	0.49	0.36	-0.34	0.32	-0.31	0.16	0.03	-0.04	-0.01	2.96e-04	-0.03
43	27	43	79.39	122.96	2.62	19.04	106.54	41.31	0.15	-0.51	-0.30	-0.06	0.31
		51	81.42	125.81	1.35	18.97	108.18	-43.39	0.65	-0.09	0.47	0.09	-0.31
		52	81.50	125.68	1.12	18.77	108.03	43.45	0.65	-0.08	0.46	0.12	0.32
		44	79.50	122.88	2.20	18.63	106.45	-41.39	0.18	-0.47	-0.27	-0.02	-0.30
43	28	43	1.06	-0.22	-1.46	-0.46	-1.22	-0.49	-0.04	-0.12	-0.04	-0.12	0.02
		51	0.94	-0.10	-1.35	-0.24	-1.21	0.39	0.07	-0.10	0.02	-0.06	-0.07
		52	0.96	0.10	-1.22	-0.08	-1.04	-0.46	0.04	-0.05	-3.99e-03	-4.68e-03	0.05
		44	1.01	0.34	-1.22	0.19	-1.07	0.46	0.03	-0.04	-8.35e-03	4.54e-04	-0.03

43	29	43	79.96	123.85	2.64	19.18	107.31	41.61	0.16	-0.51	-0.30	-0.06	0.31
		51	82.00	126.71	1.36	19.11	108.96	-43.71	0.65	-0.09	0.47	0.09	-0.32
		52	82.09	126.59	1.12	18.91	108.81	43.76	0.66	-0.08	0.46	0.12	0.33
		44	80.08	123.77	2.21	18.76	107.22	-41.69	0.18	-0.47	-0.27	-0.02	-0.30
43	30	43	0.52	-0.19	-0.59	-0.33	-0.45	-0.19	-0.04	-0.12	-0.04	-0.12	0.02
		51	0.49	-0.08	-0.45	-0.10	-0.43	0.08	0.07	-0.10	0.03	-0.06	-0.08
		52	0.42	0.11	-0.32	0.05	-0.26	-0.15	0.05	-0.05	-6.86e-04	-3.83e-03	0.05
		44	0.49	0.36	-0.34	0.32	-0.31	0.16	0.03	-0.04	-0.01	2.96e-04	-0.03
43	31	43	79.39	122.96	2.63	19.05	106.55	41.30	0.15	-0.51	-0.30	-0.06	0.31
		51	81.43	125.82	1.35	18.98	108.19	-43.40	0.65	-0.09	0.47	0.09	-0.31
		52	81.50	125.69	1.13	18.78	108.04	43.44	0.65	-0.08	0.46	0.12	0.32
		44	79.51	122.90	2.19	18.63	106.46	-41.40	0.18	-0.47	-0.27	-0.02	-0.30
43	32	43	1.06	-0.24	-1.46	-0.47	-1.22	-0.48	-0.04	-0.12	-0.04	-0.12	0.02
		51	0.96	-0.10	-1.37	-0.24	-1.23	0.40	0.07	-0.10	0.02	-0.06	-0.07
		52	0.96	0.09	-1.23	-0.08	-1.05	-0.45	0.04	-0.05	-4.25e-03	-4.68e-03	0.05
		44	1.02	0.34	-1.23	0.19	-1.08	0.47	0.03	-0.04	-8.59e-03	5.30e-04	-0.03
43	33	43	79.96	123.85	2.65	19.19	107.32	41.60	0.16	-0.51	-0.30	-0.06	0.31
		51	82.01	126.73	1.36	19.12	108.97	-43.72	0.65	-0.09	0.47	0.09	-0.32
		52	82.09	126.60	1.13	18.91	108.82	43.75	0.66	-0.08	0.46	0.12	0.33
		44	80.09	123.78	2.21	18.76	107.23	-41.70	0.18	-0.47	-0.27	-0.02	-0.30
43	34	43	0.53	-0.20	-0.58	-0.33	-0.45	-0.18	-0.04	-0.12	-0.04	-0.12	0.02
		51	0.49	-0.09	-0.47	-0.11	-0.45	0.09	0.07	-0.10	0.03	-0.06	-0.08
		52	0.41	0.10	-0.32	0.05	-0.27	-0.14	0.05	-0.05	-9.43e-04	-3.83e-03	0.05
		44	0.50	0.36	-0.35	0.32	-0.31	0.17	0.03	-0.04	-0.01	3.71e-04	-0.03
43	35	43	79.39	122.96	2.63	19.05	106.55	41.30	0.15	-0.51	-0.30	-0.06	0.31
		51	81.43	125.82	1.35	18.98	108.19	-43.40	0.65	-0.09	0.47	0.09	-0.31
		52	81.50	125.69	1.13	18.78	108.04	43.44	0.65	-0.08	0.46	0.12	0.32
		44	79.51	122.90	2.19	18.63	106.46	-41.40	0.18	-0.47	-0.27	-0.02	-0.30
43	36	43	1.06	-0.24	-1.46	-0.47	-1.22	-0.48	-0.04	-0.12	-0.04	-0.12	0.02
		51	0.96	-0.10	-1.37	-0.24	-1.23	0.40	0.07	-0.10	0.02	-0.06	-0.07
		52	0.96	0.09	-1.23	-0.08	-1.05	-0.45	0.04	-0.05	-4.25e-03	-4.68e-03	0.05
		44	1.02	0.34	-1.23	0.19	-1.08	0.47	0.03	-0.04	-8.59e-03	5.29e-04	-0.03
43	37	43	79.96	123.85	2.65	19.19	107.32	41.60	0.16	-0.51	-0.30	-0.06	0.31
		51	82.01	126.73	1.36	19.12	108.97	-43.72	0.65	-0.09	0.47	0.09	-0.32
		52	82.09	126.60	1.13	18.91	108.82	43.75	0.66	-0.08	0.46	0.12	0.33
		44	80.09	123.78	2.21	18.76	107.23	-41.70	0.18	-0.47	-0.27	-0.02	-0.30
43	38	43	0.53	-0.20	-0.58	-0.33	-0.45	-0.18	-0.04	-0.12	-0.04	-0.12	0.02
		51	0.49	-0.09	-0.47	-0.11	-0.45	0.09	0.07	-0.10	0.03	-0.06	-0.08
		52	0.41	0.10	-0.32	0.05	-0.27	-0.14	0.05	-0.05	-9.43e-04	-3.83e-03	0.05
		44	0.50	0.36	-0.35	0.32	-0.31	0.17	0.03	-0.04	-0.01	3.71e-04	-0.03
43	39	43	0.23	0.29	-0.03	0.13	0.13	-0.16	1.87e-03	-0.02	-9.30e-03	-3.86e-03	8.00e-03
		51	0.36	0.37	-0.20	0.04	0.13	-0.28	8.58e-03	-7.06e-03	2.11e-03	-5.93e-04	-7.70e-03
		52	0.17	0.29	0.10	0.11	0.29	0.02	7.99e-03	-8.48e-03	-6.15e-04	1.22e-04	8.22e-03
		44	0.18	0.30	0.19	0.21	0.28	-0.04	5.32e-03	-0.01	-5.40e-03	5.51e-05	-7.51e-03
43	40	43	0.22	0.28	-2.11e-03	0.14	0.14	-0.14	2.03e-03	-0.01	-9.08e-03	-3.70e-03	7.97e-03
		51	0.34	0.36	-0.17	0.05	0.14	-0.26	8.82e-03	-6.89e-03	2.34e-03	-4.19e-04	-7.73e-03
		52	0.19	0.30	0.10	0.11	0.29	0.04	8.10e-03	-8.28e-03	-4.86e-04	2.99e-04	8.18e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	5.50e-03	-0.01	-5.27e-03	2.21e-04	-7.55e-03
43	41	43	0.23	0.29	-0.03	0.13	0.13	-0.16	1.85e-03	-0.02	-9.30e-03	-3.88e-03	7.99e-03
		51	0.36	0.37	-0.20	0.04	0.13	-0.28	8.56e-03	-7.07e-03	2.11e-03	-6.25e-04	-7.70e-03
		52	0.17	0.29	0.10	0.11	0.29	0.02	7.97e-03	-8.50e-03	-6.21e-04	8.85e-05	8.23e-03
		44	0.18	0.30	0.19	0.21	0.28	-0.04	5.30e-03	-0.01	-5.41e-03	3.07e-05	-7.51e-03
43	42	43	0.22	0.28	-1.95e-03	0.14	0.14	-0.14	2.01e-03	-0.01	-9.08e-03	-3.72e-03	7.97e-03
		51	0.34	0.36	-0.17	0.05	0.14	-0.26	8.80e-03	-6.91e-03	2.34e-03	-4.51e-04	-7.73e-03
		52	0.19	0.30	0.10	0.11	0.29	0.04	8.08e-03	-8.31e-03	-4.93e-04	2.66e-04	8.19e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	5.49e-03	-0.01	-5.28e-03	1.96e-04	-7.55e-03
43	43	43	0.24	0.29	-0.03	0.13	0.13	-0.16	1.86e-03	-0.02	-9.29e-03	-3.87e-03	7.99e-03
		51	0.36	0.37	-0.20	0.04	0.13	-0.28	8.59e-03	-7.06e-03	2.13e-03	-5.92e-04	-7.71e-03
		52	0.17	0.29	0.10	0.11	0.29	0.02	7.99e-03	-8.46e-03	-5.86e-04	1.22e-04	8.22e-03
		44	0.18	0.30	0.19	0.21	0.28	-0.04	5.32e-03	-0.01	-5.37e-03	4.68e-05	-7.51e-03
43	44	43	0.22	0.27	-1.84e-03	0.13	0.14	-0.14	2.03e-03	-0.01	-9.09e-03	-3.69e-03	7.98e-03
		51	0.33	0.36	-0.17	0.05	0.14	-0.26	8.80e-03	-6.89e-03	2.33e-03	-4.19e-04	-7.73e-03
		52	0.19	0.30	0.10	0.11	0.29	0.04	8.09e-03	-8.31e-03	-5.15e-04	3.00e-04	8.19e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	5.50e-03	-0.01	-5.30e-03	2.29e-04	-7.54e-03
43	45	43	0.24	0.29	-0.03	0.13	0.13	-0.16	1.84e-03	-0.02	-9.29e-03	-3.89e-03	7.99e-03
		51	0.36	0.37	-0.20	0.04	0.13	-0.28	8.57e-03	-7.08e-03	2.12e-03	-6.25e-04	-7.70e-03
		52	0.17	0.29	0.10	0.11	0.29	0.02	7.98e-03	-8.48e-03	-5.93e-04	8.83e-05	8.22e-03
		44	0.18	0.30	0.19	0.21	0.28	-0.04	5.31e-03	-0.01	-5.38e-03	2.24e-05	-7.52e-03
43	46	43	0.22	0.27	-1.68e-03	0.14	0.14	-0.14	2.01e-03	-0.01	-9.09e-03	-3.71e-03	7.97e-03
		51	0.33	0.36	-0.17	0.05	0.14	-0.26	8.78e-03	-6.91e-03	2.32e-03	-4.52e-04	-7.72e-03
		52	0.19	0.30	0.10	0.11	0.29	0.04	7.98e-03	-8.33e-03	-5.22e-04	2.66e-04	8.19e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	5.48e-03	-0.01	-5.31e-03	2.05e-04	-7.55e-03
43	47	43	0.23	0.29	-0.03	0.13	0.13	-0.16	1.86e-03	-0.02	-9.30e-03	-3.86e-03	7.99e-03
		51	0.36	0.37	-0.20	0.04	0.13	-0.28	8.57e-03	-7.05e-03	2.11e-03	-5.93e-04	-7.70e-03
		52	0.17	0.29	0.10	0.11	0.29	0.02	7.99e-03	-8.48e-03	-6.15e-04	1.21e-04	8.23e-03
		44	0.18	0.30	0.19	0.21	0.28	-0.04	5.32e-03	-0.01	-5.40e-03	5.46e-05	-7.51e-03
43	48	43	0.22	0.28	-2.11e-03	0.14	0.14	-0.14	2.02e-03	-0.01	-9.08e-03	-3.70e-03	7.97e-03

		51	0.34	0.36	-0.17	0.05	0.14	-0.26	8.81e-03	-6.89e-03	2.34e-03	-4.19e-04	-7.73e-03
		52	0.19	0.30	0.10	0.11	0.29	0.04	8.10e-03	-8.29e-03	-4.87e-04	2.99e-04	8.19e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	5.51e-03	-0.01	-5.28e-03	2.20e-04	-7.55e-03
43	49	43	0.23	0.29	-0.03	0.13	0.13	-0.16	1.85e-03	-0.02	-9.30e-03	-3.88e-03	8.00e-03
		51	0.36	0.37	-0.20	0.04	0.13	-0.28	8.56e-03	-7.08e-03	2.11e-03	-6.25e-04	-7.70e-03
		52	0.17	0.29	0.10	0.11	0.29	0.02	7.97e-03	-8.50e-03	-6.21e-04	8.92e-05	8.22e-03
		44	0.18	0.30	0.19	0.21	0.28	-0.04	5.30e-03	-0.01	-5.40e-03	3.12e-05	-7.51e-03
43	50	43	0.22	0.28	-1.96e-03	0.14	0.14	-0.14	2.01e-03	-0.01	-9.08e-03	-3.72e-03	7.97e-03
		51	0.34	0.36	-0.17	0.05	0.14	-0.26	8.80e-03	-6.91e-03	2.34e-03	-4.51e-04	-7.73e-03
		52	0.19	0.30	0.10	0.11	0.29	0.04	8.08e-03	-8.30e-03	-4.93e-04	2.67e-04	8.18e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	5.49e-03	-0.01	-5.28e-03	1.97e-04	-7.55e-03
43	51	43	0.24	0.29	-0.03	0.13	0.13	-0.16	1.86e-03	-0.02	-9.29e-03	-3.87e-03	7.99e-03
		51	0.36	0.37	-0.20	0.04	0.13	-0.28	8.59e-03	-7.06e-03	2.13e-03	-5.93e-04	-7.70e-03
		52	0.17	0.29	0.10	0.11	0.29	0.02	8.00e-03	-8.46e-03	-5.87e-04	1.21e-04	8.22e-03
		44	0.18	0.30	0.19	0.21	0.28	-0.04	5.33e-03	-0.01	-5.37e-03	4.63e-05	-7.52e-03
43	52	43	0.22	0.27	-1.84e-03	0.14	0.14	-0.14	2.03e-03	-0.01	-9.09e-03	-3.69e-03	7.97e-03
		51	0.33	0.36	-0.17	0.05	0.14	-0.26	8.80e-03	-6.89e-03	2.33e-03	-4.20e-04	-7.72e-03
		52	0.19	0.30	0.10	0.11	0.29	0.04	8.09e-03	-8.31e-03	-5.15e-04	2.99e-04	8.19e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	5.50e-03	-0.01	-5.30e-03	2.29e-04	-7.55e-03
43	53	43	0.24	0.29	-0.03	0.13	0.13	-0.16	1.85e-03	-0.02	-9.29e-03	-3.89e-03	7.99e-03
		51	0.36	0.37	-0.20	0.04	0.13	-0.28	8.58e-03	-7.08e-03	2.12e-03	-6.24e-04	-7.71e-03
		52	0.17	0.29	0.10	0.11	0.29	0.02	7.97e-03	-8.48e-03	-5.93e-04	8.90e-05	8.22e-03
		44	0.18	0.30	0.19	0.21	0.28	-0.04	5.31e-03	-0.01	-5.38e-03	2.29e-05	-7.51e-03
43	54	43	0.22	0.27	-1.69e-03	0.14	0.14	-0.14	2.01e-03	-0.01	-9.09e-03	-3.71e-03	7.98e-03
		51	0.33	0.36	-0.17	0.05	0.14	-0.26	8.79e-03	-6.91e-03	2.32e-03	-4.51e-04	-7.73e-03
		52	0.19	0.30	0.10	0.11	0.29	0.04	8.07e-03	-8.32e-03	-5.21e-04	2.67e-04	8.19e-03
		44	0.17	0.29	0.21	0.21	0.28	-0.02	5.48e-03	-0.01	-5.31e-03	2.05e-04	-7.54e-03
43	55	43	0.26	0.30	-0.06	0.12	0.12	-0.18	1.67e-03	-0.02	-9.57e-03	-4.05e-03	8.02e-03
		51	0.38	0.38	-0.23	0.03	0.12	-0.30	8.29e-03	-7.25e-03	1.85e-03	-8.07e-04	-7.66e-03
		52	0.16	0.28	0.10	0.10	0.28	-1.94e-03	7.85e-03	-8.72e-03	-7.67e-04	-9.69e-05	8.28e-03
		44	0.19	0.31	0.17	0.21	0.27	-0.06	5.10e-03	-0.01	-5.55e-03	-1.47e-04	-7.47e-03
43	56	43	0.20	0.26	0.03	0.14	0.15	-0.12	2.21e-03	-0.01	-8.81e-03	-3.52e-03	7.94e-03
		51	0.31	0.35	-0.14	0.06	0.15	-0.24	9.09e-03	-6.71e-03	2.61e-03	-2.27e-04	-7.77e-03
		52	0.20	0.32	0.09	0.11	0.30	0.06	8.22e-03	-8.06e-03	-3.39e-04	4.95e-04	8.13e-03
		44	0.17	0.29	0.21	0.21	0.29	2.13e-03	5.72e-03	-0.01	-5.13e-03	4.05e-04	-7.59e-03
43	57	43	0.26	0.30	-0.06	0.12	0.12	-0.18	1.66e-03	-0.02	-9.57e-03	-4.06e-03	8.02e-03
		51	0.38	0.38	-0.23	0.03	0.12	-0.30	8.28e-03	-7.26e-03	1.84e-03	-8.17e-04	-7.66e-03
		52	0.16	0.28	0.10	0.10	0.28	-1.94e-03	7.85e-03	-8.72e-03	-7.69e-04	-1.07e-04	8.28e-03
		44	0.19	0.31	0.17	0.21	0.27	-0.06	5.09e-03	-0.01	-5.55e-03	-1.54e-04	-7.47e-03
43	58	43	0.20	0.26	0.03	0.14	0.15	-0.12	2.20e-03	-0.01	-8.81e-03	-3.52e-03	7.94e-03
		51	0.31	0.35	-0.14	0.06	0.15	-0.24	9.09e-03	-6.72e-03	2.60e-03	-2.37e-04	-7.77e-03
		52	0.20	0.32	0.09	0.11	0.30	0.06	8.22e-03	-8.07e-03	-3.41e-04	4.85e-04	8.13e-03
		44	0.17	0.29	0.21	0.21	0.29	2.13e-03	5.71e-03	-0.01	-5.13e-03	3.98e-04	-7.59e-03
43	59	43	0.26	0.30	-0.06	0.12	0.12	-0.18	1.67e-03	-0.02	-9.57e-03	-4.05e-03	8.02e-03
		51	0.38	0.38	-0.23	0.03	0.12	-0.30	8.29e-03	-7.25e-03	1.85e-03	-8.07e-04	-7.66e-03
		52	0.16	0.28	0.10	0.10	0.28	-1.94e-03	7.85e-03	-8.72e-03	-7.67e-04	-9.71e-05	8.28e-03
		44	0.19	0.31	0.17	0.21	0.27	-0.06	5.10e-03	-0.01	-5.55e-03	-1.47e-04	-7.47e-03
43	60	43	0.20	0.26	0.03	0.14	0.15	-0.12	2.21e-03	-0.01	-8.81e-03	-3.52e-03	7.94e-03
		51	0.31	0.35	-0.14	0.06	0.15	-0.24	9.09e-03	-6.71e-03	2.61e-03	-2.28e-04	-7.77e-03
		52	0.20	0.32	0.09	0.11	0.30	0.06	8.22e-03	-8.07e-03	-3.39e-04	4.95e-04	8.13e-03
		44	0.17	0.29	0.21	0.21	0.29	2.13e-03	5.72e-03	-0.01	-5.13e-03	4.05e-04	-7.59e-03
43	61	43	0.26	0.30	-0.06	0.12	0.12	-0.18	1.67e-03	-0.02	-9.57e-03	-4.06e-03	8.02e-03
		51	0.38	0.38	-0.23	0.03	0.12	-0.30	8.29e-03	-7.26e-03	1.84e-03	-8.16e-04	-7.66e-03
		52	0.16	0.28	0.10	0.10	0.28	-1.94e-03	7.85e-03	-8.72e-03	-7.69e-04	-1.07e-04	8.28e-03
		44	0.19	0.31	0.17	0.21	0.27	-0.06	5.09e-03	-0.01	-5.55e-03	-1.54e-04	-7.47e-03
43	62	43	0.20	0.26	0.03	0.14	0.15	-0.12	2.21e-03	-0.01	-8.81e-03	-3.52e-03	7.94e-03
		51	0.31	0.35	-0.14	0.06	0.15	-0.24	9.09e-03	-6.72e-03	2.60e-03	-2.37e-04	-7.77e-03
		52	0.20	0.32	0.09	0.11	0.30	0.06	8.21e-03	-8.07e-03	-3.41e-04	4.85e-04	8.13e-03
		44	0.17	0.29	0.21	0.21	0.29	2.13e-03	5.71e-03	-0.01	-5.13e-03	3.98e-04	-7.59e-03
43	63	43	0.26	0.31	-0.06	0.12	0.12	-0.18	1.66e-03	-0.02	-9.52e-03	-4.08e-03	8.01e-03
		51	0.38	0.39	-0.23	0.04	0.12	-0.31	8.34e-03	-7.26e-03	1.89e-03	-8.05e-04	-7.68e-03
		52	0.16	0.28	0.11	0.11	0.28	-5.49e-03	7.87e-03	-8.64e-03	-6.72e-04	-9.76e-05	8.25e-03
		44	0.19	0.31	0.17	0.21	0.27	-0.07	5.11e-03	-0.01	-5.46e-03	-1.74e-04	-7.48e-03
43	64	43	0.19	0.25	0.03	0.14	0.14	-0.11	2.22e-03	-0.01	-8.86e-03	-3.49e-03	7.95e-03
		51	0.31	0.34	-0.14	0.06	0.14	-0.24	9.04e-03	-6.71e-03	2.56e-03	-2.30e-04	-7.75e-03
		52	0.20	0.32	0.09	0.11	0.30	0.07	8.20e-03	-8.14e-03	-4.34e-04	4.96e-04	8.15e-03
		44	0.17	0.29	0.21	0.21	0.29	5.68e-03	5.70e-03	-0.01	-5.22e-03	4.33e-04	-7.58e-03
43	65	43	0.26	0.31	-0.06	0.12	0.12	-0.18	1.66e-03	-0.02	-9.52e-03	-4.09e-03	8.01e-03
		51	0.38	0.39	-0.23	0.04	0.12	-0.31	8.34e-03	-7.26e-03	1.89e-03	-8.14e-04	-7.68e-03
		52	0.16	0.28	0.11	0.11	0.28	-5.49e-03	7.87e-03	-8.65e-03	-6.74e-04	-1.08e-04	8.25e-03
		44	0.19	0.31	0.17	0.21	0.27	-0.07	5.11e-03	-0.01	-5.46e-03	-1.74e-04	-7.48e-03
43	66	43	0.19	0.25	0.03	0.14	0.14	-0.11	2.21e-03	-0.01	-8.86e-03	-3.50e-03	7.95e-03
		51	0.31	0.34	-0.14	0.06	0.14	-0.24	9.03e-03	-6.71e-03	2.56e-03	-2.39e-04	-7.75e-03
		52	0.20	0.32	0.09	0.11	0.30	0.07	8.19e-03	-8.14e-03	-4.36e-04	4.86e-04	8.16e-03
		44	0.17	0.29	0.21	0.21	0.29	5.68e-03	5.69e-03	-0.01	-5.22e-03	4.26e-04	-7.58e-03
43	67	43	0.26	0.31	-0.06	0.12	0.12	-0.18	1.66e-03	-0.02	-9.52e-03	-4.08e-03	8.01e-03
		51	0.38	0.39	-0.23	0.04	0.12	-0.31	8.34e-03	-7.26e-03	1.89e-03	-8.05e-04	-7.68e-03

		52	0.16	0.28	0.11	0.11	0.28	-5.49e-03	7.87e-03	-8.64e-03	-6.72e-04	-9.78e-05	8.25e-03
		44	0.19	0.31	0.17	0.21	0.27	-0.07	5.12e-03	-0.01	-5.46e-03	-1.75e-04	-7.48e-03
43	68	43	0.19	0.25	0.03	0.14	0.14	-0.11	2.22e-03	-0.01	-8.86e-03	-3.49e-03	7.95e-03
		51	0.31	0.34	-0.14	0.06	0.14	-0.24	9.04e-03	-6.71e-03	2.56e-03	-2.30e-04	-7.75e-03
		52	0.20	0.32	0.09	0.11	0.30	0.07	8.20e-03	-8.14e-03	-4.34e-04	4.95e-04	8.16e-03
		44	0.17	0.29	0.21	0.21	0.29	5.68e-03	5.70e-03	-0.01	-5.22e-03	4.33e-04	-7.58e-03
43	69	43	0.26	0.31	-0.06	0.12	0.12	-0.18	1.66e-03	-0.02	-9.52e-03	-4.09e-03	8.01e-03
		51	0.38	0.39	-0.23	0.04	0.12	-0.31	8.34e-03	-7.26e-03	1.89e-03	-8.14e-04	-7.68e-03
		52	0.16	0.28	0.11	0.11	0.28	-5.49e-03	7.87e-03	-8.65e-03	-6.74e-04	-1.07e-04	8.25e-03
		44	0.19	0.31	0.17	0.21	0.27	-0.07	5.11e-03	-0.01	-5.46e-03	-1.82e-04	-7.48e-03
43	70	43	0.19	0.25	0.03	0.14	0.14	-0.11	2.21e-03	-0.01	-8.86e-03	-3.50e-03	7.95e-03
		51	0.31	0.34	-0.14	0.06	0.14	-0.24	9.03e-03	-6.71e-03	2.56e-03	-2.39e-04	-7.75e-03
		52	0.20	0.32	0.09	0.11	0.30	0.07	8.19e-03	-8.14e-03	-4.36e-04	4.86e-04	8.16e-03
		44	0.17	0.29	0.21	0.21	0.29	5.68e-03	5.69e-03	-0.01	-5.22e-03	4.26e-04	-7.58e-03
43	71	43	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		51	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		52	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		44	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
43	72	43	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		51	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		52	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		44	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
43	73	43	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		51	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		52	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		44	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
43	74	43	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		51	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		52	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		44	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
43	75	43	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		51	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		52	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		44	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
43	76	43	0.23	0.28	-0.02	0.13	0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		51	0.35	0.36	-0.19	0.05	0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		52	0.18	0.29	0.10	0.11	0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		44	0.17	0.29	0.20	0.21	0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
44	1	44	0.22	0.38	0.26	0.27	0.36	0.04	7.03e-03	-0.01	-6.94e-03	1.63e-04	9.79e-03
		52	0.23	0.38	0.13	0.14	0.38	-0.04	0.01	-0.01	-7.20e-04	2.52e-04	-0.01
		53	0.45	0.47	-0.24	0.06	0.17	0.35	0.01	-9.08e-03	2.89e-03	-6.79e-04	0.01
		45	0.29	0.37	-0.02	0.17	0.17	0.19	2.52e-03	-0.02	-0.01	-4.93e-03	-0.01
44	2	44	0.22	0.38	0.26	0.27	0.36	0.04	7.03e-03	-0.01	-6.94e-03	1.63e-04	9.79e-03
		52	0.23	0.38	0.13	0.14	0.38	-0.04	0.01	-0.01	-7.20e-04	2.52e-04	-0.01
		53	0.45	0.47	-0.24	0.06	0.17	0.35	0.01	-9.08e-03	2.89e-03	-6.79e-04	0.01
		45	0.29	0.37	-0.02	0.17	0.17	0.19	2.52e-03	-0.02	-0.01	-4.93e-03	-0.01
44	3	44	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		52	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		53	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		45	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
44	4	44	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		52	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		53	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		45	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
44	5	44	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		52	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		53	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		45	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
44	6	44	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		52	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		53	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		45	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
44	7	44	20.88	32.34	0.76	5.03	28.07	10.80	0.05	-0.13	-0.07	-4.65e-03	0.08
		52	21.49	33.14	0.35	4.99	28.49	-11.44	0.18	-0.02	0.12	0.03	-0.09
		53	21.47	33.13	0.31	5.02	28.42	11.50	0.18	-0.03	0.12	0.02	-0.09
		45	20.78	32.24	0.84	5.10	27.99	-10.75	0.04	-0.14	-0.08	-0.02	0.09
44	8	44	3.17	0.12	-4.85	-0.51	-4.22	-1.65	5.65e-03	-1.69e-03	3.42e-03	5.47e-04	3.38e-03
		52	3.31	0.10	-5.04	-0.67	-4.27	1.84	-2.73e-03	-0.02	-0.02	-6.33e-03	-7.77e-03
		53	3.15	-0.23	-5.00	-0.79	-4.45	-1.53	8.85e-04	-0.03	-0.01	-0.02	0.02
		45	3.43	0.03	-5.20	-0.79	-4.38	1.90	-8.04e-03	-0.04	-8.07e-03	-0.04	9.57e-04
44	9	44	22.79	35.30	0.81	5.48	30.63	11.80	0.06	-0.14	-0.08	-5.18e-03	0.09
		52	23.45	36.17	0.37	5.44	31.09	-12.49	0.19	-0.03	0.13	0.03	-0.10
		53	23.42	36.15	0.35	5.47	31.03	12.54	0.19	-0.03	0.14	0.03	0.10
		45	22.70	35.21	0.90	5.55	30.56	-11.75	0.05	-0.16	-0.09	-0.02	-0.09
44	10	44	1.31	0.17	-1.89	-0.06	-1.66	-0.65	9.09e-03	-0.01	-2.87e-03	1.62e-05	0.01
		52	1.39	0.13	-2.02	-0.22	-1.67	0.79	9.55e-03	-0.02	-8.48e-03	-3.52e-03	-0.02
		53	1.23	-0.19	-1.98	-0.33	-1.84	-0.49	0.02	-0.03	8.75e-04	-0.02	0.02

		45	1.51	0.09	-2.24	-0.34	-1.81	0.90	-0.01	-0.04	-0.02	-0.04	-6.31e-03
44	11	44	20.88	32.34	0.76	5.03	28.07	10.80	0.05	-0.13	-0.07	-4.62e-03	0.08
		52	21.49	33.14	0.34	4.99	28.49	-11.44	0.18	-0.02	0.12	0.03	-0.09
		53	21.46	33.12	0.31	5.01	28.42	11.50	0.18	-0.03	0.12	0.02	0.09
		45	20.78	32.24	0.84	5.10	27.99	-10.75	0.04	-0.14	-0.08	-0.02	-0.09
44	12	44	3.17	0.12	-4.84	-0.51	-4.22	-1.64	5.70e-03	-1.69e-03	3.49e-03	5.24e-04	3.38e-03
		52	3.31	0.11	-5.04	-0.67	-4.26	1.84	-2.73e-03	-0.02	-0.02	-6.33e-03	-7.75e-03
		53	3.15	-0.23	-4.99	-0.79	-4.44	-1.52	9.29e-04	-0.03	-0.01	-0.02	0.02
		45	3.43	0.03	-5.20	-0.79	-4.38	1.90	-8.00e-03	-0.04	-8.03e-03	-0.04	9.65e-04
44	13	44	22.79	35.29	0.81	5.48	30.63	11.79	0.06	-0.14	-0.08	-5.15e-03	0.09
		52	23.45	36.17	0.37	5.44	31.09	-12.49	0.19	-0.03	0.13	0.03	-0.10
		53	23.42	36.15	0.35	5.47	31.02	12.54	0.19	-0.03	0.14	0.03	0.10
		45	22.70	35.21	0.90	5.55	30.55	-11.75	0.05	-0.16	-0.09	-0.02	-0.09
44	14	44	1.31	0.17	-1.89	-0.06	-1.66	-0.65	9.12e-03	-0.01	-2.80e-03	-6.43e-06	0.01
		52	1.39	0.13	-2.02	-0.22	-1.67	0.79	9.56e-03	-0.02	-8.40e-03	-3.52e-03	-0.02
		53	1.23	-0.19	-1.98	-0.33	-1.84	-0.48	0.02	-0.03	9.12e-04	-0.02	0.02
		45	1.51	0.09	-2.24	-0.33	-1.81	0.90	-0.01	-0.04	-0.01	-0.04	-6.30e-03
44	15	44	20.88	32.34	0.76	5.03	28.07	10.80	0.05	-0.13	-0.07	-4.65e-03	0.08
		52	21.49	33.14	0.35	4.99	28.49	-11.44	0.18	-0.02	0.12	0.03	-0.09
		53	21.47	33.13	0.31	5.02	28.42	11.50	0.18	-0.03	0.12	0.02	0.09
		45	20.78	32.24	0.84	5.10	27.99	-10.75	0.04	-0.14	-0.08	-0.02	-0.09
44	16	44	3.17	0.12	-4.85	-0.51	-4.22	-1.65	5.64e-03	-1.68e-03	3.42e-03	5.44e-04	3.36e-03
		52	3.31	0.10	-5.04	-0.67	-4.27	1.84	-2.74e-03	-0.02	-0.02	-6.34e-03	-7.75e-03
		53	3.15	-0.23	-5.00	-0.79	-4.45	-1.53	8.88e-04	-0.03	-0.01	-0.02	0.02
		45	3.43	0.03	-5.20	-0.79	-4.38	1.90	-8.04e-03	-0.04	-8.07e-03	-0.04	9.50e-04
44	17	44	22.79	35.30	0.81	5.48	30.63	11.80	0.06	-0.14	-0.08	-5.17e-03	0.09
		52	23.45	36.17	0.37	5.44	31.09	-12.49	0.19	-0.03	0.13	0.03	-0.10
		53	23.42	36.15	0.35	5.47	31.03	12.54	0.19	-0.03	0.14	0.03	0.10
		45	22.70	35.21	0.90	5.55	30.56	-11.75	0.05	-0.16	-0.09	-0.02	-0.09
44	18	44	1.31	0.17	-1.89	-0.06	-1.66	-0.65	9.11e-03	-0.01	-2.87e-03	1.94e-05	0.01
		52	1.39	0.13	-2.02	-0.22	-1.67	0.79	9.57e-03	-0.02	-8.47e-03	-3.51e-03	-0.02
		53	1.23	-0.19	-1.98	-0.33	-1.84	-0.49	0.02	-0.03	8.76e-04	-0.02	0.02
		45	1.51	0.09	-2.24	-0.34	-1.81	0.90	-0.01	-0.04	-0.02	-0.04	-6.30e-03
44	19	44	20.88	32.34	0.76	5.03	28.07	10.80	0.05	-0.13	-0.07	-4.63e-03	0.08
		52	21.49	33.14	0.34	4.99	28.49	-11.44	0.18	-0.02	0.12	0.03	-0.09
		53	21.46	33.12	0.31	5.01	28.42	11.50	0.18	-0.03	0.12	0.02	0.09
		45	20.78	32.24	0.84	5.10	27.99	-10.75	0.04	-0.14	-0.08	-0.02	-0.09
44	20	44	3.17	0.12	-4.84	-0.51	-4.22	-1.64	5.69e-03	-1.68e-03	3.49e-03	5.21e-04	3.37e-03
		52	3.31	0.11	-5.04	-0.67	-4.26	1.84	-2.75e-03	-0.02	-0.02	-6.34e-03	-7.74e-03
		53	3.15	-0.23	-4.99	-0.79	-4.44	-1.52	9.32e-04	-0.03	-0.01	-0.02	0.02
		45	3.43	0.03	-5.20	-0.79	-4.38	1.90	-8.00e-03	-0.04	-8.03e-03	-0.04	9.57e-04
44	21	44	22.79	35.29	0.81	5.48	30.63	11.79	0.06	-0.14	-0.08	-5.15e-03	0.09
		52	23.45	36.17	0.37	5.44	31.09	-12.49	0.19	-0.03	0.13	0.03	-0.10
		53	23.42	36.15	0.35	5.47	31.02	12.54	0.19	-0.03	0.14	0.03	0.10
		45	22.70	35.21	0.90	5.55	30.55	-11.75	0.05	-0.16	-0.09	-0.02	-0.09
44	22	44	1.31	0.17	-1.89	-0.06	-1.66	-0.65	9.13e-03	-0.01	-2.80e-03	-3.24e-06	0.01
		52	1.39	0.13	-2.02	-0.22	-1.67	0.79	9.58e-03	-0.02	-8.40e-03	-3.52e-03	-0.02
		53	1.23	-0.19	-1.98	-0.33	-1.84	-0.48	0.02	-0.03	9.13e-04	-0.02	0.02
		45	1.51	0.09	-2.24	-0.33	-1.81	0.90	-0.01	-0.04	-0.01	-0.04	-6.30e-03
44	23	44	79.41	122.81	2.33	18.64	106.51	41.21	0.18	-0.47	-0.27	-0.02	0.30
		52	81.66	125.87	1.02	18.79	108.10	-43.63	0.65	-0.07	0.46	0.12	-0.32
		53	81.33	125.76	1.54	19.04	108.26	43.22	0.65	-0.09	0.47	0.09	0.31
		45	79.53	123.15	2.57	19.11	106.61	-41.49	0.16	-0.51	-0.30	-0.06	-0.31
44	24	44	0.92	0.24	-1.19	0.18	-1.13	-0.28	0.03	-0.04	-9.48e-03	-1.03e-03	0.03
		52	1.14	0.21	-1.42	-0.10	-1.11	0.64	0.04	-0.05	-5.15e-03	-6.27e-03	-0.05
		53	0.92	-0.26	-1.34	-0.30	-1.30	-0.21	0.06	-0.10	0.02	-0.06	0.07
		45	1.19	-0.14	-1.67	-0.53	-1.28	0.67	-0.04	-0.12	-0.04	-0.12	-0.02
44	25	44	79.99	123.70	2.35	18.77	107.28	41.51	0.18	-0.47	-0.27	-0.02	0.30
		52	82.24	126.78	1.02	18.92	108.88	-43.94	0.66	-0.08	0.46	0.12	-0.33
		53	81.91	126.67	1.55	19.18	109.04	43.53	0.65	-0.09	0.47	0.09	0.32
		45	80.11	124.04	2.58	19.24	107.38	-41.79	0.16	-0.51	-0.30	-0.06	-0.31
44	26	44	0.42	0.31	-0.36	0.31	-0.36	0.02	0.03	-0.04	-0.01	-1.19e-03	0.03
		52	0.61	0.23	-0.52	0.04	-0.33	0.32	0.05	-0.05	-1.85e-03	-5.43e-03	-0.05
		53	0.64	-0.14	-0.54	-0.17	-0.51	0.10	0.07	-0.10	0.02	-0.06	0.08
		45	0.64	-0.08	-0.82	-0.39	-0.51	0.37	-0.04	-0.12	-0.04	-0.12	-0.02
44	27	44	79.41	122.81	2.33	18.64	106.51	41.21	0.18	-0.47	-0.27	-0.02	0.30
		52	81.66	125.87	1.02	18.79	108.10	-43.63	0.65	-0.07	0.46	0.12	-0.32
		53	81.33	125.76	1.54	19.04	108.26	43.22	0.65	-0.09	0.47	0.09	0.31
		45	79.53	123.15	2.57	19.11	106.61	-41.49	0.16	-0.51	-0.30	-0.06	-0.31
44	28	44	0.92	0.24	-1.19	0.18	-1.13	-0.28	0.03	-0.04	-9.48e-03	-1.03e-03	0.03
		52	1.14	0.21	-1.42	-0.10	-1.11	0.64	0.04	-0.05	-5.15e-03	-6.28e-03	-0.05
		53	0.92	-0.26	-1.34	-0.30	-1.30	-0.21	0.06	-0.10	0.02	-0.06	0.07
		45	1.19	-0.14	-1.67	-0.53	-1.28	0.67	-0.04	-0.12	-0.04	-0.12	-0.02
44	29	44	79.99	123.70	2.35	18.77	107.28	41.51	0.18	-0.47	-0.27	-0.02	0.30
		52	82.24	126.78	1.02	18.92	108.88	-43.94	0.66	-0.08	0.46	0.12	-0.33
		53	81.91	126.67	1.55	19.18	109.04	43.53	0.65	-0.09	0.47	0.09	0.32
		45	80.11	124.04	2.58	19.24	107.38	-41.79	0.16	-0.51	-0.30	-0.06	-0.31

44	30	44	0.42	0.31	-0.36	0.31	-0.36	0.02	0.03	-0.04	-0.01	-1.19e-03	0.03
		52	0.61	0.23	-0.52	0.04	-0.33	0.32	0.05	-0.05	-1.85e-03	-5.43e-03	-0.05
		53	0.64	-0.14	-0.54	-0.17	-0.51	0.10	0.07	-0.10	0.02	-0.06	0.08
		45	0.64	-0.08	-0.82	-0.39	-0.51	0.37	-0.04	-0.12	-0.04	-0.12	-0.02
44	31	44	79.40	122.80	2.34	18.64	106.50	41.20	0.18	-0.47	-0.27	-0.02	0.30
		52	81.66	125.87	1.00	18.79	108.09	-43.64	0.65	-0.07	0.46	0.12	-0.32
		53	81.32	125.74	1.54	19.03	108.25	43.21	0.65	-0.09	0.47	0.09	0.31
		45	79.53	123.15	2.55	19.10	106.60	-41.50	0.16	-0.51	-0.30	-0.06	-0.31
44	32	44	0.91	0.23	-1.18	0.18	-1.12	-0.27	0.03	-0.04	-9.24e-03	-1.11e-03	0.03
		52	1.14	0.22	-1.42	-0.09	-1.10	0.65	0.04	-0.05	-4.90e-03	-6.28e-03	-0.05
		53	0.92	-0.26	-1.32	-0.30	-1.28	-0.20	0.06	-0.10	0.02	-0.06	0.07
		45	1.19	-0.12	-1.67	-0.52	-1.27	0.68	-0.04	-0.12	-0.04	-0.12	-0.02
44	33	44	79.98	123.69	2.35	18.77	107.27	41.50	0.18	-0.47	-0.27	-0.02	0.30
		52	82.25	126.78	1.01	18.92	108.87	-43.95	0.66	-0.08	0.46	0.12	-0.33
		53	81.90	126.65	1.55	19.17	109.03	43.52	0.65	-0.09	0.47	0.09	0.32
		45	80.11	124.04	2.57	19.24	107.37	-41.80	0.16	-0.51	-0.30	-0.06	-0.31
44	34	44	0.41	0.32	-0.35	0.31	-0.35	0.03	0.03	-0.04	-0.01	-1.27e-03	0.03
		52	0.62	0.24	-0.52	0.04	-0.32	0.33	0.05	-0.05	-1.60e-03	-5.43e-03	-0.05
		53	0.64	-0.13	-0.53	-0.16	-0.50	0.11	0.07	-0.10	0.02	-0.06	0.08
		45	0.64	-0.06	-0.83	-0.39	-0.50	0.38	-0.04	-0.12	-0.04	-0.12	-0.02
44	35	44	79.40	122.80	2.34	18.64	106.50	41.20	0.18	-0.47	-0.27	-0.02	0.30
		52	81.66	125.87	1.00	18.79	108.09	-43.64	0.65	-0.07	0.46	0.12	-0.32
		53	81.32	125.74	1.54	19.03	108.25	43.21	0.65	-0.09	0.47	0.09	0.31
		45	79.53	123.15	2.55	19.10	106.60	-41.50	0.16	-0.51	-0.30	-0.06	-0.31
44	36	44	0.91	0.23	-1.18	0.18	-1.12	-0.27	0.03	-0.04	-9.24e-03	-1.11e-03	0.03
		52	1.14	0.22	-1.42	-0.09	-1.10	0.65	0.04	-0.05	-4.90e-03	-6.28e-03	-0.05
		53	0.92	-0.26	-1.32	-0.30	-1.28	-0.20	0.06	-0.10	0.02	-0.06	0.07
		45	1.19	-0.12	-1.67	-0.52	-1.27	0.68	-0.04	-0.12	-0.04	-0.12	-0.02
44	37	44	79.98	123.69	2.35	18.77	107.27	41.50	0.18	-0.47	-0.27	-0.02	0.30
		52	82.25	126.78	1.01	18.92	108.87	-43.95	0.66	-0.08	0.46	0.12	-0.33
		53	81.90	126.65	1.55	19.17	109.03	43.52	0.65	-0.09	0.47	0.09	0.32
		45	80.11	124.04	2.57	19.24	107.37	-41.80	0.16	-0.51	-0.30	-0.06	-0.31
44	38	44	0.41	0.32	-0.35	0.31	-0.35	0.03	0.03	-0.04	-0.01	-1.27e-03	0.03
		52	0.62	0.24	-0.52	0.04	-0.32	0.33	0.05	-0.05	-1.60e-03	-5.43e-03	-0.05
		53	0.64	-0.13	-0.53	-0.16	-0.50	0.11	0.07	-0.10	0.02	-0.06	0.08
		45	0.64	-0.06	-0.83	-0.39	-0.50	0.38	-0.04	-0.12	-0.04	-0.12	-0.02
44	39	44	0.17	0.29	0.21	0.21	0.28	0.02	5.51e-03	-0.01	-5.27e-03	2.21e-04	7.55e-03
		52	0.19	0.30	0.10	0.11	0.29	-0.04	8.10e-03	-8.29e-03	-4.86e-04	3.00e-04	-8.19e-03
		53	0.34	0.36	-0.17	0.05	0.14	0.26	8.81e-03	-6.89e-03	2.34e-03	-4.18e-04	7.73e-03
		45	0.22	0.28	-2.11e-03	0.14	0.14	0.14	2.02e-03	-0.01	-9.08e-03	-3.70e-03	-7.97e-03
44	40	44	0.18	0.30	0.19	0.21	0.28	0.04	5.32e-03	-0.01	-5.40e-03	5.55e-05	7.51e-03
		52	0.17	0.29	0.10	0.11	0.29	-0.02	7.99e-03	-8.48e-03	-6.16e-04	1.22e-04	-8.23e-03
		53	0.36	0.37	-0.20	0.04	0.13	0.28	8.58e-03	-7.05e-03	2.11e-03	-5.92e-04	7.70e-03
		45	0.23	0.29	-0.03	0.13	0.13	0.16	1.86e-03	-0.02	-9.30e-03	-3.86e-03	-7.99e-03
44	41	44	0.17	0.29	0.21	0.21	0.28	0.02	5.49e-03	-0.01	-5.28e-03	1.96e-04	7.55e-03
		52	0.19	0.30	0.10	0.11	0.29	-0.04	8.08e-03	-8.30e-03	-4.92e-04	2.66e-04	-8.18e-03
		53	0.34	0.36	-0.17	0.05	0.14	0.26	8.80e-03	-6.91e-03	2.34e-03	-4.52e-04	7.73e-03
		45	0.22	0.28	-1.95e-03	0.14	0.14	0.14	2.01e-03	-0.01	-9.08e-03	-3.72e-03	-7.97e-03
44	42	44	0.18	0.30	0.19	0.21	0.28	0.04	5.30e-03	-0.01	-5.41e-03	3.05e-05	7.51e-03
		52	0.17	0.29	0.10	0.11	0.29	-0.02	7.96e-03	-8.50e-03	-6.22e-04	8.81e-05	-8.22e-03
		53	0.36	0.37	-0.20	0.04	0.13	0.28	8.56e-03	-7.08e-03	2.11e-03	-6.26e-04	7.70e-03
		45	0.23	0.29	-0.03	0.13	0.13	0.16	1.85e-03	-0.02	-9.30e-03	-3.88e-03	-8.00e-03
44	43	44	0.17	0.29	0.21	0.21	0.28	0.02	5.50e-03	-0.01	-5.30e-03	2.29e-04	7.55e-03
		52	0.19	0.30	0.10	0.11	0.29	-0.04	8.10e-03	-8.31e-03	-5.14e-04	3.00e-04	-8.19e-03
		53	0.33	0.36	-0.17	0.05	0.14	0.26	8.80e-03	-6.89e-03	2.33e-03	-4.19e-04	7.72e-03
		45	0.22	0.27	-1.84e-03	0.14	0.14	0.14	2.03e-03	-0.01	-9.09e-03	-3.69e-03	-7.97e-03
44	44	44	0.18	0.30	0.19	0.21	0.28	0.04	5.33e-03	-0.01	-5.37e-03	4.71e-05	7.52e-03
		52	0.17	0.29	0.10	0.11	0.29	-0.02	8.00e-03	-8.46e-03	-5.88e-04	1.22e-04	-8.22e-03
		53	0.36	0.37	-0.20	0.04	0.13	0.28	8.59e-03	-7.05e-03	2.13e-03	-5.92e-04	7.70e-03
		45	0.24	0.29	-0.03	0.13	0.13	0.16	1.86e-03	-0.02	-9.29e-03	-3.87e-03	-7.99e-03
44	45	44	0.17	0.29	0.21	0.21	0.28	0.02	5.48e-03	-0.01	-5.31e-03	2.04e-04	7.54e-03
		52	0.19	0.30	0.10	0.11	0.29	-0.04	8.07e-03	-8.32e-03	-5.20e-04	2.66e-04	-8.19e-03
		53	0.33	0.36	-0.17	0.05	0.14	0.26	8.78e-03	-6.91e-03	2.32e-03	-4.52e-04	7.73e-03
		45	0.22	0.27	-1.69e-03	0.14	0.14	0.14	2.01e-03	-0.01	-9.09e-03	-3.71e-03	-7.98e-03
44	46	44	0.18	0.30	0.19	0.21	0.28	0.04	5.30e-03	-0.01	-5.38e-03	2.21e-05	7.51e-03
		52	0.17	0.29	0.10	0.11	0.29	-0.02	7.97e-03	-8.48e-03	-5.94e-04	8.79e-05	-8.22e-03
		53	0.36	0.37	-0.20	0.04	0.13	0.28	8.58e-03	-7.08e-03	2.13e-03	-6.25e-04	7.71e-03
		45	0.24	0.29	-0.03	0.13	0.13	0.16	1.85e-03	-0.02	-9.29e-03	-3.89e-03	-7.99e-03
44	47	44	0.17	0.29	0.21	0.21	0.28	0.02	5.50e-03	-0.01	-5.27e-03	2.20e-04	7.55e-03
		52	0.19	0.30	0.10	0.11	0.29	-0.04	8.10e-03	-8.28e-03	-4.86e-04	2.98e-04	-8.18e-03
		53	0.34	0.36	-0.17	0.05	0.14	0.26	8.81e-03	-6.89e-03	2.34e-03	-4.18e-04	7.73e-03
		45	0.22	0.28	-2.11e-03	0.14	0.14	0.14	2.03e-03	-0.01	-9.08e-03	-3.70e-03	-7.97e-03
44	48	44	0.18	0.30	0.19	0.21	0.28	0.04	5.32e-03	-0.01	-5.40e-03	5.43e-05	7.51e-03
		52	0.17	0.29	0.10	0.11	0.29	-0.02	7.98e-03	-8.48e-03	-6.16e-04	1.21e-04	-8.22e-03
		53	0.36	0.37	-0.20	0.04	0.13	0.28	8.58e-03	-7.06e-03	2.11e-03	-5.94e-04	7.70e-03
		45	0.23	0.29	-0.03	0.13	0.13	0.16	1.87e-03	-0.02	-9.30e-03	-3.86e-03	-7.99e-03
44	49	44	0.17	0.29	0.21	0.21	0.28	0.02	5.49e-03	-0.01	-5.28e-03	1.97e-04	7.55e-03

		52	0.19	0.30	0.10	0.11	0.29	-0.04	8.08e-03	-8.31e-03	-4.92e-04	2.67e-04	-8.19e-03
		53	0.34	0.36	-0.17	0.05	0.14	0.26	8.80e-03	-6.91e-03	2.34e-03	-4.50e-04	7.73e-03
		45	0.22	0.28	-1.95e-03	0.14	0.14	0.14	2.01e-03	-0.01	-9.08e-03	-3.72e-03	-7.97e-03
44	50	44	0.18	0.30	0.19	0.21	0.28	0.04	5.30e-03	-0.01	-5.41e-03	3.17e-05	7.51e-03
		52	0.17	0.29	0.10	0.11	0.29	-0.02	7.97e-03	-8.50e-03	-6.22e-04	8.98e-05	-8.23e-03
		53	0.36	0.37	-0.20	0.04	0.13	0.28	8.56e-03	-7.07e-03	2.11e-03	-6.24e-04	7.70e-03
		45	0.23	0.29	-0.03	0.13	0.13	0.16	1.85e-03	-0.02	-9.30e-03	-3.88e-03	-7.99e-03
44	51	44	0.17	0.29	0.21	0.21	0.28	0.02	5.50e-03	-0.01	-5.30e-03	2.28e-04	7.54e-03
		52	0.19	0.30	0.10	0.11	0.29	-0.04	8.09e-03	-8.31e-03	-5.14e-04	2.98e-04	-8.19e-03
		53	0.33	0.36	-0.17	0.05	0.14	0.26	8.80e-03	-6.89e-03	2.32e-03	-4.21e-04	7.72e-03
		45	0.22	0.27	-1.84e-03	0.14	0.14	0.14	2.03e-03	-0.01	-9.09e-03	-3.69e-03	-7.98e-03
44	52	44	0.18	0.30	0.19	0.21	0.28	0.04	5.32e-03	-0.01	-5.37e-03	4.59e-05	7.51e-03
		52	0.17	0.29	0.10	0.11	0.29	-0.02	7.99e-03	-8.46e-03	-5.88e-04	1.20e-04	-8.22e-03
		53	0.36	0.37	-0.20	0.04	0.13	0.28	8.59e-03	-7.06e-03	2.13e-03	-5.93e-04	7.71e-03
		45	0.24	0.29	-0.03	0.13	0.13	0.16	1.86e-03	-0.02	-9.29e-03	-3.87e-03	-7.99e-03
44	53	44	0.17	0.29	0.21	0.21	0.28	0.02	5.49e-03	-0.01	-5.31e-03	2.06e-04	7.55e-03
		52	0.19	0.30	0.10	0.11	0.29	-0.04	8.08e-03	-8.33e-03	-5.20e-04	2.67e-04	-8.19e-03
		53	0.33	0.36	-0.17	0.05	0.14	0.26	8.78e-03	-6.91e-03	2.32e-03	-4.51e-04	7.72e-03
		45	0.22	0.27	-1.68e-03	0.14	0.14	0.14	2.01e-03	-0.01	-9.09e-03	-3.71e-03	-7.97e-03
44	54	44	0.18	0.30	0.19	0.21	0.28	0.04	5.31e-03	-0.01	-5.38e-03	4.33e-05	7.52e-03
		52	0.17	0.29	0.10	0.11	0.29	-0.02	7.98e-03	-8.48e-03	-5.94e-04	8.96e-05	-8.22e-03
		53	0.36	0.37	-0.20	0.04	0.13	0.28	8.58e-03	-7.07e-03	2.13e-03	-6.23e-04	7.70e-03
		45	0.24	0.29	-0.03	0.13	0.13	0.16	1.85e-03	-0.02	-9.29e-03	-3.89e-03	-7.99e-03
44	55	44	0.17	0.29	0.21	0.21	0.29	-2.15e-03	5.72e-03	-0.01	-5.13e-03	4.05e-04	7.59e-03
		52	0.20	0.32	0.09	0.11	0.30	-0.06	8.22e-03	-8.06e-03	-3.37e-04	4.95e-04	-8.13e-03
		53	0.31	0.35	-0.14	0.06	0.15	0.24	9.08e-03	-6.71e-03	2.60e-03	-2.27e-04	7.77e-03
		45	0.20	0.26	0.03	0.14	0.15	0.12	2.21e-03	-0.01	-8.82e-03	-3.52e-03	-7.94e-03
44	56	44	0.19	0.31	0.17	0.21	0.27	0.06	5.10e-03	-0.01	-5.55e-03	-1.46e-04	7.47e-03
		52	0.16	0.28	0.10	0.10	0.28	1.97e-03	7.85e-03	-8.72e-03	-7.69e-04	-9.67e-05	-8.28e-03
		53	0.38	0.38	-0.23	0.03	0.12	0.30	8.29e-03	-7.25e-03	1.85e-03	-8.07e-04	7.66e-03
		45	0.26	0.30	-0.06	0.12	0.12	0.18	1.67e-03	-0.02	-9.56e-03	-4.05e-03	-8.02e-03
44	57	44	0.17	0.29	0.21	0.21	0.29	-2.15e-03	5.71e-03	-0.01	-5.13e-03	3.98e-04	7.59e-03
		52	0.20	0.32	0.09	0.11	0.30	-0.06	8.21e-03	-8.07e-03	-3.39e-04	4.85e-04	-8.13e-03
		53	0.31	0.35	-0.14	0.06	0.15	0.24	9.08e-03	-6.72e-03	2.60e-03	-2.37e-04	7.77e-03
		45	0.20	0.26	0.03	0.14	0.15	0.12	2.20e-03	-0.01	-8.82e-03	-3.52e-03	-7.95e-03
44	58	44	0.19	0.31	0.17	0.21	0.27	0.06	5.09e-03	-0.01	-5.55e-03	-1.54e-04	7.47e-03
		52	0.16	0.28	0.10	0.10	0.28	1.97e-03	7.84e-03	-8.72e-03	-7.71e-04	-1.07e-04	-8.28e-03
		53	0.38	0.38	-0.23	0.03	0.12	0.30	8.29e-03	-7.26e-03	1.85e-03	-8.17e-04	7.66e-03
		45	0.26	0.30	-0.06	0.12	0.12	0.18	1.67e-03	-0.02	-9.56e-03	-4.06e-03	-8.02e-03
44	59	44	0.17	0.29	0.21	0.21	0.29	-2.15e-03	5.72e-03	-0.01	-5.13e-03	4.05e-04	7.59e-03
		52	0.20	0.32	0.09	0.11	0.30	-0.06	8.22e-03	-8.06e-03	-3.37e-04	4.94e-04	-8.13e-03
		53	0.31	0.35	-0.14	0.06	0.15	0.24	9.08e-03	-6.71e-03	2.60e-03	-2.28e-04	7.77e-03
		45	0.20	0.26	0.03	0.14	0.15	0.12	2.21e-03	-0.01	-8.82e-03	-3.52e-03	-7.95e-03
44	60	44	0.19	0.31	0.17	0.21	0.27	0.06	5.09e-03	-0.01	-5.55e-03	-1.47e-04	7.47e-03
		52	0.16	0.28	0.10	0.10	0.28	1.97e-03	7.85e-03	-8.72e-03	-7.69e-04	-9.72e-05	-8.28e-03
		53	0.38	0.38	-0.23	0.03	0.12	0.30	8.29e-03	-7.25e-03	1.85e-03	-8.07e-04	7.66e-03
		45	0.26	0.30	-0.06	0.12	0.12	0.18	1.67e-03	-0.02	-9.56e-03	-4.05e-03	-8.02e-03
44	61	44	0.17	0.29	0.21	0.21	0.29	-2.15e-03	5.71e-03	-0.01	-5.13e-03	3.98e-04	7.59e-03
		52	0.20	0.32	0.09	0.11	0.30	-0.06	8.22e-03	-8.07e-03	-3.39e-04	4.85e-04	-8.13e-03
		53	0.31	0.35	-0.14	0.06	0.15	0.24	9.08e-03	-6.72e-03	2.60e-03	-2.37e-04	7.77e-03
		45	0.20	0.26	0.03	0.14	0.15	0.12	2.20e-03	-0.01	-8.82e-03	-3.52e-03	-7.94e-03
44	62	44	0.19	0.31	0.17	0.21	0.27	0.06	5.09e-03	-0.01	-5.55e-03	-1.53e-04	7.47e-03
		52	0.16	0.28	0.10	0.10	0.28	1.97e-03	7.85e-03	-8.72e-03	-7.71e-04	-1.06e-04	-8.28e-03
		53	0.38	0.38	-0.23	0.03	0.12	0.30	8.29e-03	-7.26e-03	1.85e-03	-8.17e-04	7.66e-03
		45	0.26	0.30	-0.06	0.12	0.12	0.18	1.67e-03	-0.02	-9.56e-03	-4.06e-03	-8.02e-03
44	63	44	0.17	0.29	0.21	0.21	0.29	-5.68e-03	5.70e-03	-0.01	-5.22e-03	4.33e-04	7.58e-03
		52	0.20	0.32	0.09	0.11	0.30	-0.07	8.20e-03	-8.14e-03	-4.29e-04	4.95e-04	-8.16e-03
		53	0.31	0.34	-0.14	0.06	0.14	0.24	9.03e-03	-6.71e-03	2.55e-03	-2.29e-04	7.75e-03
		45	0.19	0.25	0.03	0.14	0.14	0.11	2.22e-03	-0.01	-8.86e-03	-3.49e-03	-7.95e-03
44	64	44	0.19	0.31	0.17	0.21	0.27	0.07	5.11e-03	-0.01	-5.46e-03	-1.74e-04	7.48e-03
		52	0.16	0.28	0.11	0.11	0.28	5.50e-03	7.87e-03	-8.65e-03	-6.77e-04	-9.73e-05	-8.25e-03
		53	0.38	0.39	-0.23	0.04	0.12	0.31	8.35e-03	-7.25e-03	1.90e-03	-8.05e-04	7.68e-03
		45	0.26	0.31	-0.06	0.12	0.12	0.18	1.66e-03	-0.02	-9.52e-03	-4.08e-03	-8.01e-03
44	65	44	0.17	0.29	0.21	0.21	0.29	-5.68e-03	5.69e-03	-0.01	-5.22e-03	4.26e-04	7.58e-03
		52	0.20	0.32	0.09	0.11	0.30	-0.07	8.20e-03	-8.14e-03	-4.31e-04	4.85e-04	-8.16e-03
		53	0.31	0.34	-0.14	0.06	0.14	0.24	9.03e-03	-6.71e-03	2.55e-03	-2.39e-04	7.75e-03
		45	0.19	0.25	0.03	0.14	0.14	0.11	2.21e-03	-0.01	-8.86e-03	-3.50e-03	-7.95e-03
44	66	44	0.19	0.31	0.17	0.21	0.27	0.07	5.11e-03	-0.01	-5.46e-03	-1.82e-04	7.48e-03
		52	0.16	0.28	0.11	0.11	0.28	5.50e-03	7.86e-03	-8.65e-03	-6.79e-04	-1.08e-04	-8.25e-03
		53	0.38	0.39	-0.23	0.04	0.12	0.31	8.34e-03	-7.26e-03	1.90e-03	-8.15e-04	7.68e-03
		45	0.26	0.31	-0.06	0.12	0.12	0.18	1.66e-03	-0.02	-9.52e-03	-4.09e-03	-8.01e-03
44	67	44	0.17	0.29	0.21	0.21	0.29	-5.68e-03	5.70e-03	-0.01	-5.22e-03	4.33e-04	7.58e-03
		52	0.20	0.32	0.09	0.11	0.30	-0.07	8.20e-03	-8.14e-03	-4.29e-04	4.95e-04	-8.16e-03
		53	0.31	0.34	-0.14	0.06	0.14	0.24	9.03e-03	-6.71e-03	2.55e-03	-2.30e-04	7.75e-03
		45	0.19	0.25	0.03	0.14	0.14	0.11	2.22e-03	-0.01	-8.86e-03	-3.49e-03	-7.95e-03
44	68	44	0.19	0.31	0.17	0.21	0.27	0.07	5.11e-03	-0.01	-5.46e-03	-1.75e-04	7.48e-03
		52	0.16	0.28	0.11	0.11	0.28	5.50e-03	7.87e-03	-8.64e-03	-6.77e-04	-9.78e-05	-8.25e-03

		53	0.38	0.39	-0.23	0.04	0.12	0.31	8.35e-03	-7.25e-03	1.90e-03	-8.05e-04	7.68e-03
		45	0.26	0.31	-0.06	0.12	0.12	0.18	1.66e-03	-0.02	-9.52e-03	-4.08e-03	-8.01e-03
44	69	44	0.17	0.29	0.21	0.21	0.29	-5.68e-03	5.70e-03	-0.01	-5.22e-03	4.26e-04	7.58e-03
		52	0.20	0.32	0.09	0.11	0.30	-0.07	8.20e-03	-8.14e-03	-4.31e-04	4.86e-04	-8.16e-03
		53	0.31	0.34	-0.14	0.06	0.14	0.24	9.03e-03	-6.71e-03	2.55e-03	-2.39e-04	7.75e-03
		45	0.19	0.25	0.03	0.14	0.14	0.11	2.21e-03	-0.01	-8.86e-03	-3.50e-03	-7.95e-03
44	70	44	0.19	0.31	0.17	0.21	0.27	0.07	5.11e-03	-0.01	-5.46e-03	-1.81e-04	7.48e-03
		52	0.16	0.28	0.11	0.11	0.28	5.50e-03	7.87e-03	-8.65e-03	-6.79e-04	-1.07e-04	-8.25e-03
		53	0.38	0.39	-0.23	0.04	0.12	0.31	8.34e-03	-7.26e-03	1.90e-03	-8.14e-04	7.68e-03
		45	0.26	0.31	-0.06	0.12	0.12	0.18	1.66e-03	-0.02	-9.52e-03	-4.09e-03	-8.01e-03
44	71	44	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		52	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		53	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		45	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
44	72	44	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		52	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		53	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		45	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
44	73	44	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		52	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		53	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		45	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
44	74	44	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		52	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		53	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		45	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
44	75	44	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		52	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		53	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		45	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
44	76	44	0.17	0.29	0.20	0.21	0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		52	0.18	0.29	0.10	0.11	0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		53	0.35	0.36	-0.19	0.05	0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		45	0.23	0.28	-0.02	0.13	0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
45	1	45	0.36	0.55	0.04	0.24	0.35	0.25	2.72e-03	-5.15e-03	-9.98e-04	-1.43e-03	3.93e-03
		53	0.42	0.58	-0.07	0.15	0.37	0.30	1.22e-03	-8.15e-03	-3.70e-03	-3.23e-03	-4.68e-03
		54	0.55	0.37	-0.57	-0.06	-0.14	0.47	7.81e-03	-1.58e-03	4.29e-03	1.93e-03	4.54e-03
		46	0.38	0.24	-0.41	-0.05	-0.12	0.32	1.06e-04	-9.94e-03	-7.60e-03	-2.23e-03	-4.24e-03
45	2	45	0.36	0.55	0.04	0.24	0.35	0.25	2.72e-03	-5.15e-03	-9.98e-04	-1.43e-03	3.93e-03
		53	0.42	0.58	-0.07	0.15	0.37	0.30	1.22e-03	-8.15e-03	-3.70e-03	-3.23e-03	-4.68e-03
		54	0.55	0.37	-0.57	-0.06	-0.14	0.47	7.81e-03	-1.58e-03	4.29e-03	1.93e-03	4.54e-03
		46	0.38	0.24	-0.41	-0.05	-0.12	0.32	1.06e-04	-9.94e-03	-7.60e-03	-2.23e-03	-4.24e-03
45	3	45	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		53	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
45	4	45	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		53	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
45	5	45	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		53	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
45	6	45	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		53	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
45	7	45	20.98	32.53	0.75	5.12	28.16	10.94	0.04	-0.13	-0.07	-0.01	0.08
		53	21.41	33.12	0.52	5.05	28.59	-11.28	0.17	-0.03	0.11	0.02	-0.09
		54	21.55	33.17	0.10	4.97	28.29	11.72	0.17	-0.04	0.12	0.02	0.09
		46	20.60	32.03	0.89	5.05	27.87	-10.60	0.03	-0.15	-0.09	-0.03	-0.08
45	8	45	3.16	-0.14	-4.86	-0.77	-4.22	-1.61	0.03	-0.07	0.03	-0.06	0.03
		53	3.54	0.10	-5.20	-0.81	-4.29	1.99	-5.33e-03	-0.08	-0.04	-0.04	0.04
		54	3.57	-0.15	-5.10	-0.63	-4.63	-1.46	0.22	0.04	0.05	0.21	-0.04
		46	4.31	0.38	-5.46	-0.49	-4.59	2.08	0.31	0.05	0.05	0.31	-0.03
45	9	45	22.89	35.49	0.81	5.57	30.73	11.93	0.05	-0.14	-0.08	-0.02	0.09
		53	23.39	36.16	0.54	5.50	31.20	-12.34	0.19	-0.04	0.12	0.03	-0.10
		54	23.52	36.21	0.13	5.43	30.91	12.77	0.19	-0.04	0.13	0.02	0.10
		46	22.51	35.00	0.96	5.52	30.44	-11.60	0.03	-0.16	-0.10	-0.03	-0.09
45	10	45	1.26	-0.08	-1.90	-0.32	-1.66	-0.62	0.03	-0.07	0.02	-0.06	0.04
		53	1.57	0.13	-2.16	-0.35	-1.68	0.93	-6.61e-03	-0.06	-0.03	-0.04	0.03
		54	1.73	-0.08	-2.10	-0.17	-2.02	-0.41	0.21	0.06	0.06	0.21	-0.03
		46	2.44	0.46	-2.49	-0.02	-2.01	1.08	0.31	0.04	0.04	0.31	-0.04
45	11	45	20.98	32.52	0.75	5.12	28.15	10.94	0.04	-0.13	-0.07	-0.01	0.08
		53	21.41	33.11	0.51	5.04	28.58	-11.28	0.17	-0.03	0.11	0.02	-0.09
		54	21.55	33.16	0.09	4.97	28.28	11.72	0.17	-0.04	0.12	0.02	0.09

		46	20.60	32.02	0.88	5.05	27.86	-10.60	0.03	-0.15	-0.09	-0.03	-0.08
45	12	45	3.15	-0.14	-4.85	-0.77	-4.22	-1.61	0.03	-0.07	0.03	-0.06	0.03
		53	3.53	0.10	-5.19	-0.80	-4.28	1.99	-5.23e-03	-0.08	-0.04	-0.04	0.04
		54	3.57	-0.15	-5.10	-0.62	-4.62	-1.45	0.22	0.04	0.05	0.21	-0.04
		46	4.31	0.39	-5.46	-0.49	-4.58	2.08	0.31	0.05	0.05	0.31	-0.03
45	13	45	22.89	35.48	0.81	5.57	30.72	11.93	0.05	-0.14	-0.08	-0.02	0.09
		53	23.38	36.16	0.53	5.50	31.19	-12.34	0.19	-0.04	0.12	0.03	-0.10
		54	23.52	36.20	0.13	5.43	30.90	12.77	0.19	-0.04	0.13	0.02	0.10
		46	22.51	35.00	0.95	5.51	30.44	-11.60	0.03	-0.16	-0.10	-0.03	-0.09
45	14	45	1.26	-0.07	-1.89	-0.32	-1.65	-0.62	0.03	-0.07	0.02	-0.06	0.04
		53	1.57	0.13	-2.16	-0.35	-1.68	0.93	-6.51e-03	-0.06	-0.03	-0.04	0.03
		54	1.72	-0.08	-2.09	-0.16	-2.01	-0.41	0.21	0.06	0.06	0.21	-0.03
		46	2.44	0.46	-2.48	-0.02	-2.01	1.09	0.31	0.04	0.04	0.31	-0.04
45	15	45	20.98	32.53	0.75	5.12	28.16	10.94	0.04	-0.13	-0.07	-0.01	0.08
		53	21.41	33.12	0.52	5.05	28.59	-11.28	0.17	-0.03	0.11	0.02	-0.09
		54	21.55	33.17	0.10	4.97	28.29	11.72	0.17	-0.04	0.12	0.02	0.09
		46	20.60	32.03	0.89	5.05	27.87	-10.60	0.03	-0.15	-0.09	-0.03	-0.08
45	16	45	3.16	-0.14	-4.86	-0.77	-4.22	-1.61	0.03	-0.07	0.03	-0.06	0.03
		53	3.54	0.10	-5.20	-0.81	-4.29	1.99	-5.32e-03	-0.08	-0.04	-0.04	0.04
		54	3.57	-0.15	-5.10	-0.63	-4.63	-1.46	0.22	0.04	0.05	0.21	-0.04
		46	4.31	0.38	-5.46	-0.49	-4.59	2.08	0.31	0.05	0.05	0.31	-0.03
45	17	45	22.89	35.49	0.81	5.57	30.73	11.93	0.05	-0.14	-0.08	-0.02	0.09
		53	23.39	36.16	0.54	5.50	31.20	-12.34	0.19	-0.04	0.12	0.03	-0.10
		54	23.52	36.21	0.13	5.43	30.91	12.77	0.19	-0.04	0.13	0.02	0.10
		46	22.51	35.00	0.96	5.52	30.44	-11.60	0.03	-0.16	-0.10	-0.03	-0.09
45	18	45	1.26	-0.08	-1.90	-0.32	-1.66	-0.62	0.03	-0.07	0.02	-0.06	0.04
		53	1.57	0.13	-2.16	-0.35	-1.68	0.93	-6.63e-03	-0.06	-0.03	-0.04	0.03
		54	1.73	-0.08	-2.10	-0.17	-2.02	-0.41	0.21	0.06	0.06	0.21	-0.03
		46	2.44	0.46	-2.49	-0.02	-2.01	1.08	0.31	0.04	0.04	0.31	-0.04
45	19	45	20.98	32.52	0.75	5.12	28.15	10.94	0.04	-0.13	-0.07	-0.01	0.08
		53	21.41	33.11	0.51	5.04	28.58	-11.28	0.17	-0.03	0.11	0.02	-0.09
		54	21.55	33.16	0.09	4.97	28.28	11.72	0.17	-0.04	0.12	0.02	0.09
		46	20.60	32.02	0.88	5.05	27.86	-10.60	0.03	-0.15	-0.09	-0.03	-0.08
45	20	45	3.15	-0.14	-4.85	-0.77	-4.22	-1.61	0.03	-0.07	0.03	-0.06	0.03
		53	3.53	0.10	-5.19	-0.80	-4.28	1.99	-5.22e-03	-0.08	-0.04	-0.04	0.04
		54	3.57	-0.15	-5.10	-0.62	-4.62	-1.45	0.22	0.04	0.05	0.21	-0.04
		46	4.31	0.39	-5.46	-0.49	-4.58	2.08	0.31	0.05	0.05	0.31	-0.03
45	21	45	22.89	35.48	0.81	5.57	30.72	11.93	0.05	-0.14	-0.08	-0.02	0.09
		53	23.38	36.16	0.53	5.50	31.19	-12.34	0.19	-0.04	0.12	0.03	-0.10
		54	23.52	36.20	0.13	5.43	30.90	12.77	0.19	-0.04	0.13	0.02	0.10
		46	22.51	35.00	0.95	5.51	30.44	-11.60	0.03	-0.16	-0.10	-0.03	-0.09
45	22	45	1.26	-0.07	-1.89	-0.32	-1.65	-0.62	0.03	-0.07	0.02	-0.06	0.04
		53	1.57	0.13	-2.16	-0.35	-1.68	0.93	-6.52e-03	-0.06	-0.03	-0.04	0.03
		54	1.72	-0.08	-2.09	-0.16	-2.01	-0.41	0.21	0.06	0.06	0.21	-0.03
		46	2.44	0.46	-2.48	-0.02	-2.01	1.09	0.31	0.04	0.04	0.31	-0.04
45	23	45	79.52	123.24	2.68	19.04	106.88	41.28	0.16	-0.49	-0.28	-0.05	0.30
		53	81.93	126.33	1.13	18.97	108.49	-43.76	0.65	-0.11	0.44	0.10	-0.34
		54	81.78	126.32	1.24	19.13	108.43	43.79	0.64	-0.13	0.46	0.06	0.33
		46	79.29	123.14	3.04	19.41	106.77	-41.20	0.11	-0.54	-0.32	-0.11	-0.31
45	24	45	1.24	-0.23	-1.43	-0.60	-1.06	-0.55	0.10	-0.24	0.05	-0.19	0.12
		53	1.24	-0.28	-1.38	-0.54	-1.12	0.47	-8.57e-03	-0.18	-0.07	-0.12	0.08
		54	2.46	0.48	-1.32	0.47	-1.31	-0.14	0.71	0.21	0.23	0.69	-0.10
		46	4.02	1.36	-1.81	0.95	-1.40	1.06	1.04	0.12	0.15	1.02	-0.14
45	25	45	80.10	124.12	2.70	19.17	107.65	41.58	0.16	-0.49	-0.28	-0.05	0.30
		53	82.52	127.24	1.14	19.11	109.27	-44.08	0.66	-0.12	0.45	0.10	-0.34
		54	82.36	127.23	1.25	19.27	109.21	44.11	0.65	-0.13	0.46	0.06	0.33
		46	79.86	124.03	3.06	19.55	107.55	-41.50	0.11	-0.55	-0.33	-0.11	-0.31
45	26	45	1.04	-0.11	-0.65	-0.47	-0.29	-0.26	0.10	-0.25	0.05	-0.19	0.13
		53	0.70	-0.22	-0.52	-0.41	-0.34	0.15	-8.61e-03	-0.18	-0.07	-0.12	0.08
		54	2.07	0.64	-0.55	0.61	-0.53	0.18	0.71	0.21	0.23	0.69	-0.10
		46	3.47	1.38	-0.92	1.09	-0.63	0.76	1.04	0.12	0.14	1.02	-0.14
45	27	45	79.52	123.24	2.68	19.04	106.88	41.28	0.16	-0.49	-0.28	-0.05	0.30
		53	81.93	126.33	1.13	18.97	108.49	-43.76	0.65	-0.11	0.44	0.10	-0.34
		54	81.78	126.32	1.24	19.13	108.43	43.79	0.64	-0.13	0.46	0.06	0.33
		46	79.29	123.14	3.04	19.41	106.77	-41.20	0.11	-0.54	-0.32	-0.11	-0.31
45	28	45	1.24	-0.23	-1.43	-0.60	-1.06	-0.55	0.10	-0.24	0.05	-0.19	0.12
		53	1.24	-0.28	-1.38	-0.54	-1.12	0.47	-8.57e-03	-0.18	-0.07	-0.12	0.08
		54	2.46	0.48	-1.32	0.47	-1.31	-0.14	0.71	0.21	0.23	0.69	-0.10
		46	4.02	1.36	-1.81	0.95	-1.40	1.06	1.04	0.12	0.15	1.02	-0.14
45	29	45	80.10	124.12	2.70	19.17	107.65	41.58	0.16	-0.49	-0.28	-0.05	0.30
		53	82.52	127.24	1.14	19.11	109.27	-44.08	0.66	-0.12	0.45	0.10	-0.34
		54	82.36	127.23	1.25	19.27	109.21	44.11	0.65	-0.13	0.46	0.06	0.33
		46	79.86	124.03	3.06	19.55	107.55	-41.50	0.11	-0.55	-0.33	-0.11	-0.31
45	30	45	1.04	-0.11	-0.65	-0.47	-0.29	-0.26	0.10	-0.25	0.05	-0.19	0.13
		53	0.70	-0.22	-0.52	-0.41	-0.34	0.15	-8.61e-03	-0.18	-0.07	-0.12	0.08
		54	2.07	0.64	-0.55	0.61	-0.53	0.18	0.71	0.21	0.23	0.69	-0.10
		46	3.47	1.38	-0.92	1.09	-0.63	0.76	1.04	0.12	0.14	1.02	-0.14

45	31	45	79.51	123.22	2.67	19.03	106.86	41.28	0.15	-0.49	-0.28	-0.05	0.30
		53	81.92	126.30	1.12	18.96	108.46	-43.76	0.65	-0.11	0.44	0.10	-0.34
		54	81.76	126.29	1.22	19.12	108.40	43.79	0.64	-0.13	0.46	0.06	0.33
		46	79.28	123.13	3.03	19.40	106.76	-41.21	0.11	-0.54	-0.32	-0.11	-0.31
45	32	45	1.24	-0.23	-1.42	-0.60	-1.05	-0.55	0.10	-0.24	0.05	-0.19	0.12
		53	1.24	-0.27	-1.36	-0.53	-1.09	0.47	-8.20e-03	-0.18	-0.07	-0.12	0.08
		54	2.44	0.50	-1.29	0.49	-1.28	-0.13	0.71	0.21	0.23	0.69	-0.10
		46	4.01	1.38	-1.80	0.96	-1.38	1.07	1.04	0.12	0.15	1.02	-0.14
45	33	45	80.09	124.11	2.69	19.16	107.63	41.58	0.16	-0.49	-0.28	-0.05	0.30
		53	82.51	127.22	1.12	19.10	109.24	-44.08	0.66	-0.12	0.44	0.10	-0.34
		54	82.35	127.20	1.24	19.25	109.19	44.10	0.65	-0.13	0.46	0.06	0.33
		46	79.86	124.02	3.05	19.54	107.53	-41.51	0.11	-0.55	-0.33	-0.11	-0.31
45	34	45	1.04	-0.10	-0.64	-0.46	-0.28	-0.25	0.10	-0.25	0.05	-0.19	0.13
		53	0.69	-0.20	-0.51	-0.40	-0.31	0.15	-8.23e-03	-0.18	-0.07	-0.12	0.08
		54	2.05	0.65	-0.53	0.62	-0.50	0.18	0.71	0.21	0.23	0.69	-0.10
		46	3.47	1.40	-0.91	1.10	-0.61	0.77	1.04	0.12	0.14	1.02	-0.14
45	35	45	79.51	123.22	2.67	19.03	106.86	41.28	0.15	-0.49	-0.28	-0.05	0.30
		53	81.92	126.30	1.12	18.96	108.46	-43.76	0.65	-0.11	0.44	0.10	-0.34
		54	81.76	126.29	1.22	19.12	108.40	43.79	0.64	-0.13	0.46	0.06	0.33
		46	79.28	123.13	3.03	19.40	106.76	-41.21	0.11	-0.54	-0.32	-0.11	-0.31
45	36	45	1.24	-0.23	-1.42	-0.60	-1.05	-0.55	0.10	-0.24	0.05	-0.19	0.12
		53	1.24	-0.27	-1.36	-0.53	-1.09	0.47	-8.19e-03	-0.18	-0.07	-0.12	0.08
		54	2.44	0.50	-1.29	0.49	-1.28	-0.13	0.71	0.21	0.23	0.69	-0.10
		46	4.01	1.38	-1.80	0.96	-1.38	1.07	1.04	0.12	0.15	1.02	-0.14
45	37	45	80.09	124.11	2.69	19.16	107.63	41.58	0.16	-0.49	-0.28	-0.05	0.30
		53	82.51	127.22	1.12	19.10	109.24	-44.08	0.66	-0.12	0.44	0.10	-0.34
		54	82.35	127.20	1.24	19.25	109.19	44.10	0.65	-0.13	0.46	0.06	0.33
		46	79.86	124.02	3.05	19.54	107.53	-41.51	0.11	-0.55	-0.33	-0.11	-0.31
45	38	45	1.04	-0.10	-0.64	-0.46	-0.28	-0.25	0.10	-0.25	0.05	-0.19	0.13
		53	0.69	-0.20	-0.51	-0.40	-0.31	0.15	-8.23e-03	-0.18	-0.07	-0.12	0.08
		54	2.05	0.65	-0.53	0.62	-0.50	0.18	0.71	0.21	0.23	0.69	-0.10
		46	3.47	1.40	-0.91	1.10	-0.61	0.77	1.04	0.12	0.14	1.02	-0.14
45	39	45	0.27	0.43	0.04	0.19	0.27	0.19	2.25e-03	-3.85e-03	-5.57e-04	-1.05e-03	3.04e-03
		53	0.32	0.45	-0.04	0.12	0.29	0.23	1.04e-03	-6.12e-03	-2.64e-03	-2.44e-03	-3.58e-03
		54	0.42	0.29	-0.43	-0.04	-0.10	0.36	6.17e-03	-1.11e-03	3.52e-03	1.53e-03	3.50e-03
		46	0.29	0.18	-0.31	-0.04	-0.09	0.24	1.74e-04	-7.47e-03	-5.63e-03	-1.66e-03	-3.27e-03
45	40	45	0.28	0.42	0.02	0.18	0.26	0.20	1.95e-03	-4.06e-03	-9.74e-04	-1.14e-03	3.00e-03
		53	0.32	0.44	-0.06	0.11	0.27	0.24	8.49e-04	-6.42e-03	-3.05e-03	-2.52e-03	-3.62e-03
		54	0.43	0.28	-0.45	-0.06	-0.12	0.37	5.85e-03	-1.31e-03	3.08e-03	1.46e-03	3.49e-03
		46	0.30	0.18	-0.33	-0.05	-0.10	0.25	-1.96e-06	-7.82e-03	-6.07e-03	-1.75e-03	-3.26e-03
45	41	45	0.27	0.43	0.04	0.19	0.27	0.19	2.24e-03	-3.87e-03	-5.62e-04	-1.06e-03	3.04e-03
		53	0.32	0.45	-0.04	0.12	0.29	0.23	1.03e-03	-6.12e-03	-2.64e-03	-2.45e-03	-3.57e-03
		54	0.42	0.29	-0.43	-0.04	-0.10	0.36	6.16e-03	-1.13e-03	3.52e-03	1.52e-03	3.50e-03
		46	0.29	0.18	-0.31	-0.04	-0.09	0.24	1.67e-04	-7.47e-03	-5.63e-03	-1.67e-03	-3.27e-03
45	42	45	0.28	0.42	0.02	0.18	0.26	0.20	1.95e-03	-4.07e-03	-9.79e-04	-1.15e-03	3.01e-03
		53	0.32	0.44	-0.06	0.11	0.27	0.24	8.32e-04	-6.42e-03	-3.05e-03	-2.53e-03	-3.62e-03
		54	0.43	0.28	-0.45	-0.05	-0.12	0.37	5.84e-03	-1.32e-03	3.08e-03	1.44e-03	3.49e-03
		46	0.30	0.18	-0.33	-0.05	-0.10	0.25	-9.80e-06	-7.82e-03	-6.07e-03	-1.76e-03	-3.26e-03
45	43	45	0.27	0.43	0.04	0.19	0.27	0.19	2.21e-03	-3.87e-03	-6.11e-04	-1.05e-03	3.03e-03
		53	0.32	0.45	-0.04	0.12	0.29	0.23	1.03e-03	-6.15e-03	-2.69e-03	-2.44e-03	-3.59e-03
		54	0.42	0.29	-0.43	-0.04	-0.10	0.36	6.14e-03	-1.12e-03	3.48e-03	1.54e-03	3.50e-03
		46	0.29	0.18	-0.31	-0.04	-0.09	0.24	1.67e-04	-7.49e-03	-5.66e-03	-1.66e-03	-3.27e-03
45	44	45	0.28	0.42	0.02	0.18	0.26	0.20	1.98e-03	-4.04e-03	-9.19e-04	-1.14e-03	3.01e-03
		53	0.32	0.44	-0.06	0.11	0.27	0.24	8.67e-04	-6.38e-03	-3.00e-03	-2.52e-03	-3.62e-03
		54	0.43	0.29	-0.45	-0.05	-0.11	0.37	5.87e-03	-1.30e-03	3.12e-03	1.45e-03	3.49e-03
		46	0.30	0.18	-0.33	-0.05	-0.10	0.25	4.93e-06	-7.79e-03	-6.03e-03	-1.75e-03	-3.26e-03
45	45	45	0.27	0.43	0.04	0.19	0.27	0.19	2.21e-03	-3.88e-03	-6.16e-04	-1.06e-03	3.04e-03
		53	0.32	0.45	-0.04	0.12	0.29	0.23	1.01e-03	-6.16e-03	-2.70e-03	-2.45e-03	-3.58e-03
		54	0.42	0.29	-0.43	-0.04	-0.10	0.36	6.14e-03	-1.14e-03	3.48e-03	1.52e-03	3.50e-03
		46	0.29	0.18	-0.31	-0.04	-0.09	0.24	1.59e-04	-7.50e-03	-5.67e-03	-1.67e-03	-3.27e-03
45	46	45	0.28	0.42	0.02	0.18	0.26	0.20	1.98e-03	-4.05e-03	-9.25e-04	-1.15e-03	3.01e-03
		53	0.32	0.44	-0.06	0.11	0.27	0.24	8.50e-04	-6.39e-03	-3.00e-03	-2.53e-03	-3.61e-03
		54	0.43	0.29	-0.45	-0.05	-0.11	0.37	5.87e-03	-1.31e-03	3.12e-03	1.44e-03	3.49e-03
		46	0.30	0.18	-0.33	-0.05	-0.10	0.25	-2.90e-06	-7.79e-03	-6.03e-03	-1.76e-03	-3.26e-03
45	47	45	0.27	0.43	0.04	0.19	0.27	0.19	2.25e-03	-3.86e-03	-5.57e-04	-1.05e-03	3.04e-03
		53	0.32	0.45	-0.04	0.12	0.29	0.23	1.04e-03	-6.11e-03	-2.64e-03	-2.44e-03	-3.57e-03
		54	0.42	0.29	-0.43	-0.04	-0.10	0.36	6.17e-03	-1.12e-03	3.52e-03	1.53e-03	3.50e-03
		46	0.29	0.18	-0.31	-0.04	-0.09	0.24	1.74e-04	-7.47e-03	-5.63e-03	-1.67e-03	-3.27e-03
45	48	45	0.28	0.42	0.02	0.18	0.26	0.20	1.95e-03	-4.06e-03	-9.74e-04	-1.14e-03	3.01e-03
		53	0.32	0.44	-0.06	0.11	0.27	0.24	8.43e-04	-6.41e-03	-3.05e-03	-2.52e-03	-3.62e-03
		54	0.43	0.28	-0.45	-0.06	-0.12	0.37	5.85e-03	-1.31e-03	3.08e-03	1.45e-03	3.49e-03
		46	0.30	0.18	-0.33	-0.05	-0.10	0.25	-2.18e-06	-7.82e-03	-6.07e-03	-1.75e-03	-3.26e-03
45	49	45	0.27	0.43	0.04	0.19	0.27	0.19	2.24e-03	-3.86e-03	-5.62e-04	-1.06e-03	3.04e-03
		53	0.32	0.45	-0.04	0.12	0.29	0.23	1.03e-03	-6.13e-03	-2.64e-03	-2.45e-03	-3.58e-03
		54	0.42	0.29	-0.43	-0.04	-0.10	0.36	6.16e-03	-1.12e-03	3.52e-03	1.52e-03	3.50e-03
		46	0.29	0.18	-0.31	-0.04	-0.09	0.24	1.67e-04	-7.47e-03	-5.63e-03	-1.67e-03	-3.27e-03
45	50	45	0.28	0.42	0.02	0.18	0.26	0.20	1.94e-03	-4.07e-03	-9.79e-04	-1.15e-03	3.00e-03

		53	0.32	0.44	-0.06	0.11	0.27	0.24	8.39e-04	-6.43e-03	-3.05e-03	-2.53e-03	-3.62e-03
		54	0.43	0.28	-0.45	-0.05	-0.12	0.37	5.84e-03	-1.32e-03	3.08e-03	1.44e-03	3.49e-03
		46	0.30	0.18	-0.33	-0.05	-0.10	0.25	-9.58e-06	-7.82e-03	-6.07e-03	-1.76e-03	-3.26e-03
45	51	45	0.27	0.43	0.04	0.19	0.27	0.19	2.22e-03	-3.87e-03	-6.11e-04	-1.05e-03	3.04e-03
		53	0.32	0.45	-0.04	0.12	0.29	0.23	1.02e-03	-6.15e-03	-2.69e-03	-2.44e-03	-3.58e-03
		54	0.42	0.29	-0.43	-0.04	-0.10	0.36	6.14e-03	-1.13e-03	3.48e-03	1.53e-03	3.50e-03
		46	0.29	0.18	-0.31	-0.04	-0.09	0.24	1.67e-04	-7.49e-03	-5.66e-03	-1.66e-03	-3.27e-03
45	52	45	0.28	0.42	0.02	0.18	0.26	0.20	1.99e-03	-4.04e-03	-9.19e-04	-1.14e-03	3.01e-03
		53	0.32	0.44	-0.06	0.11	0.27	0.24	8.60e-04	-6.38e-03	-3.00e-03	-2.52e-03	-3.61e-03
		54	0.43	0.29	-0.45	-0.05	-0.11	0.37	5.87e-03	-1.30e-03	3.12e-03	1.45e-03	3.49e-03
		46	0.30	0.18	-0.33	-0.05	-0.10	0.25	4.71e-06	-7.79e-03	-6.03e-03	-1.75e-03	-3.26e-03
45	53	45	0.27	0.43	0.04	0.19	0.27	0.19	2.20e-03	-3.88e-03	-6.16e-04	-1.06e-03	3.03e-03
		53	0.32	0.45	-0.04	0.12	0.29	0.23	1.02e-03	-6.16e-03	-2.69e-03	-2.45e-03	-3.59e-03
		54	0.42	0.29	-0.43	-0.04	-0.10	0.36	6.14e-03	-1.13e-03	3.48e-03	1.52e-03	3.50e-03
		46	0.29	0.18	-0.31	-0.04	-0.09	0.24	1.59e-04	-7.50e-03	-5.67e-03	-1.67e-03	-3.27e-03
45	54	45	0.28	0.42	0.02	0.18	0.26	0.20	1.98e-03	-4.05e-03	-9.25e-04	-1.15e-03	3.01e-03
		53	0.32	0.44	-0.06	0.11	0.27	0.24	8.56e-04	-6.39e-03	-3.00e-03	-2.53e-03	-3.62e-03
		54	0.43	0.29	-0.45	-0.05	-0.11	0.37	5.87e-03	-1.31e-03	3.12e-03	1.44e-03	3.49e-03
		46	0.30	0.18	-0.33	-0.05	-0.10	0.25	-2.68e-06	-7.79e-03	-6.03e-03	-1.76e-03	-3.26e-03
45	55	45	0.27	0.43	0.06	0.20	0.29	0.18	2.61e-03	-3.63e-03	-7.20e-05	-9.48e-04	3.09e-03
		53	0.32	0.46	-0.02	0.13	0.31	0.22	1.27e-03	-5.77e-03	-2.16e-03	-2.34e-03	-3.52e-03
		54	0.41	0.30	-0.40	-0.03	-0.07	0.35	6.54e-03	-8.99e-04	4.02e-03	1.62e-03	3.52e-03
		46	0.28	0.19	-0.28	-0.02	-0.07	0.23	3.85e-04	-7.07e-03	-5.12e-03	-1.57e-03	-3.28e-03
45	56	45	0.28	0.42	-4.21e-03	0.17	0.24	0.21	1.61e-03	-4.31e-03	-1.46e-03	-1.24e-03	2.96e-03
		53	0.33	0.43	-0.09	0.10	0.25	0.25	6.25e-04	-6.78e-03	-3.53e-03	-2.62e-03	-3.67e-03
		54	0.44	0.27	-0.48	-0.07	-0.14	0.38	5.49e-03	-1.55e-03	2.58e-03	1.36e-03	3.47e-03
		46	0.31	0.17	-0.35	-0.06	-0.12	0.26	-2.03e-04	-8.23e-03	-6.58e-03	-1.86e-03	-3.25e-03
45	57	45	0.27	0.43	0.06	0.20	0.29	0.18	2.61e-03	-3.63e-03	-7.36e-05	-9.52e-04	3.09e-03
		53	0.32	0.46	-0.02	0.13	0.31	0.22	1.27e-03	-5.78e-03	-2.16e-03	-2.35e-03	-3.52e-03
		54	0.41	0.30	-0.40	-0.03	-0.07	0.35	6.54e-03	-9.03e-04	4.02e-03	1.62e-03	3.52e-03
		46	0.28	0.19	-0.28	-0.02	-0.07	0.23	3.83e-04	-7.07e-03	-5.12e-03	-1.57e-03	-3.28e-03
45	58	45	0.28	0.42	-4.17e-03	0.17	0.24	0.21	1.61e-03	-4.32e-03	-1.46e-03	-1.25e-03	2.96e-03
		53	0.33	0.43	-0.09	0.10	0.25	0.25	6.20e-04	-6.78e-03	-3.53e-03	-2.63e-03	-3.67e-03
		54	0.44	0.27	-0.48	-0.07	-0.14	0.38	5.49e-03	-1.56e-03	2.57e-03	1.36e-03	3.47e-03
		46	0.31	0.17	-0.35	-0.06	-0.12	0.26	-2.05e-04	-8.23e-03	-6.58e-03	-1.86e-03	-3.25e-03
45	59	45	0.27	0.43	0.06	0.20	0.29	0.18	2.61e-03	-3.63e-03	-7.20e-05	-9.48e-04	3.09e-03
		53	0.32	0.46	-0.02	0.13	0.31	0.22	1.27e-03	-5.77e-03	-2.16e-03	-2.34e-03	-3.52e-03
		54	0.41	0.30	-0.40	-0.03	-0.07	0.35	6.55e-03	-9.00e-04	4.02e-03	1.62e-03	3.52e-03
		46	0.28	0.19	-0.28	-0.02	-0.07	0.23	3.85e-04	-7.07e-03	-5.12e-03	-1.57e-03	-3.28e-03
45	60	45	0.28	0.42	-4.21e-03	0.17	0.24	0.21	1.61e-03	-4.32e-03	-1.46e-03	-1.24e-03	2.96e-03
		53	0.33	0.43	-0.09	0.10	0.25	0.25	6.23e-04	-6.78e-03	-3.53e-03	-2.62e-03	-3.67e-03
		54	0.44	0.27	-0.48	-0.07	-0.14	0.38	5.49e-03	-1.55e-03	2.58e-03	1.36e-03	3.47e-03
		46	0.31	0.17	-0.35	-0.06	-0.12	0.26	-2.03e-04	-8.23e-03	-6.58e-03	-1.86e-03	-3.25e-03
45	61	45	0.27	0.43	0.06	0.20	0.29	0.18	2.60e-03	-3.63e-03	-7.36e-05	-9.51e-04	3.09e-03
		53	0.32	0.46	-0.02	0.13	0.31	0.22	1.27e-03	-5.78e-03	-2.16e-03	-2.35e-03	-3.52e-03
		54	0.41	0.30	-0.40	-0.03	-0.07	0.35	6.54e-03	-9.02e-04	4.02e-03	1.62e-03	3.52e-03
		46	0.28	0.19	-0.28	-0.02	-0.07	0.23	3.83e-04	-7.07e-03	-5.12e-03	-1.57e-03	-3.28e-03
45	62	45	0.28	0.42	-4.16e-03	0.17	0.24	0.21	1.61e-03	-4.32e-03	-1.46e-03	-1.25e-03	2.96e-03
		53	0.33	0.43	-0.09	0.10	0.25	0.25	6.22e-04	-6.78e-03	-3.53e-03	-2.63e-03	-3.67e-03
		54	0.44	0.27	-0.48	-0.07	-0.14	0.38	5.49e-03	-1.56e-03	2.57e-03	1.36e-03	3.47e-03
		46	0.31	0.17	-0.35	-0.06	-0.12	0.26	-2.05e-04	-8.23e-03	-6.58e-03	-1.86e-03	-3.25e-03
45	63	45	0.27	0.43	0.06	0.20	0.29	0.18	2.48e-03	-3.68e-03	-2.53e-04	-9.48e-04	3.06e-03
		53	0.31	0.45	-0.02	0.13	0.30	0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.35e-03	-3.55e-03
		54	0.41	0.29	-0.41	-0.03	-0.08	0.35	6.46e-03	-9.27e-04	3.91e-03	1.63e-03	3.51e-03
		46	0.28	0.18	-0.28	-0.03	-0.07	0.23	3.58e-04	-7.16e-03	-5.24e-03	-1.56e-03	-3.28e-03
45	64	45	0.28	0.42	-1.39e-03	0.18	0.25	0.21	1.72e-03	-4.25e-03	-1.28e-03	-1.24e-03	2.98e-03
		53	0.33	0.44	-0.08	0.10	0.26	0.25	6.80e-04	-6.66e-03	-3.35e-03	-2.62e-03	-3.65e-03
		54	0.44	0.28	-0.48	-0.06	-0.13	0.38	5.56e-03	-1.52e-03	2.70e-03	1.35e-03	3.48e-03
		46	0.31	0.18	-0.35	-0.06	-0.11	0.26	-1.82e-04	-8.14e-03	-6.46e-03	-1.86e-03	-3.25e-03
45	65	45	0.27	0.43	0.06	0.20	0.29	0.18	2.48e-03	-3.69e-03	-2.55e-04	-9.52e-04	3.06e-03
		53	0.31	0.45	-0.02	0.13	0.30	0.22	1.20e-03	-5.89e-03	-2.34e-03	-2.35e-03	-3.55e-03
		54	0.41	0.29	-0.41	-0.03	-0.08	0.35	6.46e-03	-9.31e-04	3.90e-03	1.62e-03	3.51e-03
		46	0.28	0.18	-0.28	-0.03	-0.07	0.23	3.56e-04	-7.16e-03	-5.24e-03	-1.56e-03	-3.28e-03
45	66	45	0.28	0.42	-1.35e-03	0.18	0.25	0.21	1.72e-03	-4.25e-03	-1.28e-03	-1.25e-03	2.99e-03
		53	0.33	0.44	-0.08	0.10	0.26	0.25	6.75e-04	-6.66e-03	-3.36e-03	-2.63e-03	-3.65e-03
		54	0.44	0.28	-0.48	-0.06	-0.13	0.38	5.56e-03	-1.52e-03	2.69e-03	1.35e-03	3.48e-03
		46	0.31	0.18	-0.35	-0.06	-0.11	0.26	-1.85e-04	-8.14e-03	-6.46e-03	-1.87e-03	-3.25e-03
45	67	45	0.27	0.43	0.06	0.20	0.29	0.18	2.48e-03	-3.68e-03	-2.53e-04	-9.49e-04	3.06e-03
		53	0.31	0.45	-0.02	0.13	0.30	0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.35e-03	-3.55e-03
		54	0.41	0.29	-0.41	-0.03	-0.08	0.35	6.46e-03	-9.28e-04	3.91e-03	1.63e-03	3.51e-03
		46	0.28	0.18	-0.28	-0.03	-0.07	0.23	3.58e-04	-7.16e-03	-5.24e-03	-1.56e-03	-3.28e-03
45	68	45	0.28	0.42	-1.39e-03	0.18	0.25	0.21	1.72e-03	-4.25e-03	-1.28e-03	-1.24e-03	2.98e-03
		53	0.33	0.44	-0.08	0.10	0.26	0.25	6.78e-04	-6.65e-03	-3.35e-03	-2.62e-03	-3.65e-03
		54	0.44	0.28	-0.48	-0.06	-0.13	0.38	5.56e-03	-1.52e-03	2.70e-03	1.35e-03	3.48e-03
		46	0.31	0.18	-0.35	-0.06	-0.11	0.26	-1.82e-04	-8.14e-03	-6.46e-03	-1.86e-03	-3.25e-03
45	69	45	0.27	0.43	0.06	0.20	0.29	0.18	2.48e-03	-3.69e-03	-2.55e-04	-9.52e-04	3.06e-03
		53	0.31	0.45	-0.02	0.13	0.30	0.22	1.21e-03	-5.89e-03	-2.34e-03	-2.35e-03	-3.55e-03

		54	0.41	0.29	-0.41	-0.03	-0.08	0.35	6.46e-03	-9.30e-04	3.90e-03	1.62e-03	3.51e-03
		46	0.28	0.18	-0.28	-0.03	-0.07	0.23	3.56e-04	-7.16e-03	-5.24e-03	-1.56e-03	-3.28e-03
45	70	45	0.28	0.42	-1.35e-03	0.18	0.25	0.21	1.72e-03	-4.25e-03	-1.28e-03	-1.25e-03	2.98e-03
		53	0.33	0.44	-0.08	0.10	0.26	0.25	6.77e-04	-6.66e-03	-3.36e-03	-2.62e-03	-3.65e-03
		54	0.44	0.28	-0.48	-0.06	-0.13	0.38	5.56e-03	-1.52e-03	2.69e-03	1.35e-03	3.48e-03
		46	0.31	0.18	-0.35	-0.06	-0.11	0.26	-1.84e-04	-8.14e-03	-6.46e-03	-1.86e-03	-3.25e-03
45	71	45	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		53	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
45	72	45	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		53	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
45	73	45	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		53	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
45	74	45	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		53	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
45	75	45	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		53	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
45	76	45	0.27	0.42	0.03	0.19	0.27	0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		53	0.32	0.45	-0.05	0.11	0.28	0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.29	-0.44	-0.05	-0.11	0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
46	1	46	0.29	0.18	-0.32	-0.04	-0.09	0.25	8.16e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
		47	0.36	-0.04	-0.55	-0.24	-0.35	-0.25	2.72e-03	-5.15e-03	-9.98e-04	-1.43e-03	3.93e-03
		55	0.42	0.07	-0.58	-0.15	-0.37	-0.30	1.22e-03	-8.15e-03	-3.70e-03	-3.23e-03	-4.68e-03
		54	0.55	0.57	-0.37	0.06	0.14	-0.47	7.81e-03	-1.58e-03	4.29e-03	1.93e-03	4.54e-03
		46	0.38	0.41	-0.24	0.05	0.12	-0.32	1.06e-04	-9.94e-03	-7.60e-03	-2.23e-03	-4.24e-03
46	2	47	0.36	-0.04	-0.55	-0.24	-0.35	-0.25	2.72e-03	-5.15e-03	-9.98e-04	-1.43e-03	3.93e-03
		55	0.42	0.07	-0.58	-0.15	-0.37	-0.30	1.22e-03	-8.15e-03	-3.70e-03	-3.23e-03	-4.68e-03
		54	0.55	0.57	-0.37	0.06	0.14	-0.47	7.81e-03	-1.58e-03	4.29e-03	1.93e-03	4.54e-03
		46	0.38	0.41	-0.24	0.05	0.12	-0.32	1.06e-04	-9.94e-03	-7.60e-03	-2.23e-03	-4.24e-03
46	3	47	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		55	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
46	4	47	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		55	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
46	5	47	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		55	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
46	6	47	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		55	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
46	7	47	20.51	31.75	0.62	4.74	27.63	10.55	0.12	-0.04	0.07	0.01	-0.07
		55	21.48	32.94	-0.09	4.82	28.03	-11.75	0.02	-0.17	-0.12	-0.03	0.08
		54	21.13	32.85	0.72	5.07	28.50	11.00	0.03	-0.16	-0.12	-0.01	-0.08
		46	20.99	32.54	0.64	5.13	28.05	-11.09	0.13	-0.03	0.08	0.03	0.08
46	8	47	7.00	2.60	-6.91	1.19	-5.50	-3.38	0.90	0.26	0.26	0.90	0.01
		55	4.83	-0.49	-5.57	-0.49	-5.57	-0.03	0.64	0.20	0.20	0.64	0.02
		54	4.38	0.19	-5.35	-0.80	-4.36	-2.12	0.05	-0.32	-7.03e-03	-0.26	-0.14
		46	3.78	0.02	-5.04	-0.85	-4.18	1.90	-0.04	-0.39	-0.06	-0.37	-0.08
46	9	47	22.42	34.71	0.68	5.20	30.20	11.54	0.13	-0.04	0.08	0.01	-0.08
		55	23.45	35.98	-0.07	5.28	30.64	-12.81	0.03	-0.19	-0.13	-0.03	0.09
		54	23.09	35.89	0.75	5.53	31.12	12.04	0.04	-0.18	-0.13	-0.01	-0.09
		46	22.91	35.51	0.71	5.60	30.63	-12.09	0.15	-0.03	0.08	0.03	0.08
46	10	47	5.11	2.66	-3.95	1.64	-2.93	-2.39	0.90	0.27	0.27	0.90	5.95e-03
		55	3.55	0.32	-3.32	-0.04	-2.96	-1.09	0.64	0.19	0.19	0.64	0.03
		54	2.47	0.24	-2.33	-0.34	-1.74	-1.07	0.05	-0.33	-0.02	-0.26	-0.15
		46	1.93	0.10	-2.08	-0.38	-1.60	0.90	-0.04	-0.39	-0.05	-0.37	-0.07
46	11	47	20.50	31.75	0.62	4.74	27.62	10.55	0.12	-0.04	0.07	0.01	-0.07
		55	21.48	32.93	-0.09	4.82	28.02	-11.75	0.02	-0.17	-0.12	-0.03	0.08
		54	21.12	32.85	0.71	5.06	28.49	11.00	0.03	-0.16	-0.12	-0.01	-0.08
		46	20.99	32.54	0.64	5.13	28.05	-11.09	0.13	-0.03	0.08	0.03	0.08
46	12	47	6.99	2.60	-6.91	1.19	-5.49	-3.38	0.90	0.26	0.26	0.90	0.01
		55	4.83	-0.49	-5.56	-0.49	-5.56	-0.02	0.64	0.20	0.20	0.64	0.02
		54	4.37	0.19	-5.34	-0.80	-4.35	-2.12	0.05	-0.32	-7.13e-03	-0.26	-0.14

		46	3.78	0.02	-5.04	-0.84	-4.17	1.90	-0.04	-0.39	-0.06	-0.37	-0.08
46	13	47	22.41	34.71	0.68	5.20	30.19	11.54	0.13	-0.04	0.08	0.01	-0.08
		55	23.45	35.97	-0.07	5.27	30.63	-12.81	0.03	-0.19	-0.13	-0.03	0.09
		54	23.09	35.89	0.75	5.53	31.11	12.04	0.04	-0.18	-0.13	-0.01	-0.09
		46	22.91	35.51	0.71	5.60	30.62	-12.09	0.15	-0.03	0.08	0.03	0.08
46	14	47	5.11	2.66	-3.95	1.64	-2.92	-2.39	0.90	0.27	0.27	0.90	5.94e-03
		55	3.54	0.33	-3.31	-0.03	-2.95	-1.08	0.64	0.19	0.19	0.64	0.03
		54	2.46	0.24	-2.32	-0.34	-1.73	-1.07	0.05	-0.33	-0.02	-0.26	-0.15
		46	1.93	0.11	-2.08	-0.37	-1.60	0.91	-0.04	-0.39	-0.05	-0.37	-0.07
46	15	47	20.51	31.75	0.62	4.74	27.63	10.55	0.12	-0.04	0.07	0.01	-0.07
		55	21.48	32.94	-0.09	4.82	28.03	-11.75	0.02	-0.17	-0.12	-0.03	0.08
		54	21.13	32.85	0.72	5.07	28.50	11.00	0.03	-0.16	-0.12	-0.01	-0.08
		46	20.99	32.54	0.64	5.13	28.05	-11.09	0.13	-0.03	0.08	0.03	0.08
46	16	47	6.99	2.60	-6.91	1.19	-5.50	-3.38	0.90	0.26	0.26	0.90	0.01
		55	4.83	-0.49	-5.57	-0.49	-5.57	-0.03	0.64	0.20	0.20	0.64	0.02
		54	4.38	0.19	-5.35	-0.80	-4.36	-2.12	0.05	-0.32	-7.03e-03	-0.26	-0.14
		46	3.78	0.02	-5.04	-0.85	-4.18	1.90	-0.04	-0.39	-0.06	-0.37	-0.08
46	17	47	22.42	34.71	0.68	5.20	30.20	11.54	0.13	-0.04	0.08	0.01	-0.08
		55	23.45	35.98	-0.07	5.28	30.64	-12.81	0.03	-0.19	-0.13	-0.03	0.09
		54	23.09	35.89	0.75	5.53	31.12	12.04	0.04	-0.18	-0.13	-0.01	-0.09
		46	22.91	35.51	0.71	5.60	30.63	-12.09	0.15	-0.03	0.08	0.03	0.08
46	18	47	5.11	2.66	-3.95	1.64	-2.93	-2.39	0.90	0.27	0.27	0.90	5.96e-03
		55	3.55	0.32	-3.32	-0.04	-2.96	-1.09	0.64	0.19	0.19	0.64	0.03
		54	2.47	0.24	-2.33	-0.34	-1.74	-1.07	0.05	-0.33	-0.02	-0.26	-0.15
		46	1.93	0.10	-2.08	-0.38	-1.60	0.90	-0.04	-0.39	-0.05	-0.37	-0.07
46	19	47	20.50	31.75	0.62	4.74	27.62	10.55	0.12	-0.04	0.07	0.01	-0.07
		55	21.48	32.93	-0.09	4.82	28.02	-11.75	0.02	-0.17	-0.12	-0.03	0.08
		54	21.12	32.85	0.71	5.06	28.49	11.00	0.03	-0.16	-0.12	-0.01	-0.08
		46	20.99	32.54	0.64	5.13	28.05	-11.09	0.13	-0.03	0.08	0.03	0.08
46	20	47	6.99	2.60	-6.91	1.19	-5.49	-3.38	0.90	0.26	0.26	0.90	0.01
		55	4.83	-0.49	-5.56	-0.49	-5.56	-0.02	0.64	0.20	0.20	0.64	0.02
		54	4.37	0.19	-5.34	-0.80	-4.35	-2.12	0.05	-0.32	-7.13e-03	-0.26	-0.14
		46	3.78	0.02	-5.04	-0.84	-4.17	1.90	-0.04	-0.39	-0.06	-0.37	-0.08
46	21	47	22.41	34.71	0.68	5.20	30.19	11.54	0.13	-0.04	0.08	0.01	-0.08
		55	23.45	35.97	-0.07	5.27	30.63	-12.81	0.03	-0.19	-0.13	-0.03	0.09
		54	23.09	35.89	0.75	5.53	31.11	12.04	0.04	-0.18	-0.13	-0.01	-0.09
		46	22.91	35.51	0.71	5.60	30.62	-12.09	0.15	-0.03	0.08	0.03	0.08
46	22	47	5.11	2.66	-3.95	1.64	-2.92	-2.39	0.90	0.27	0.27	0.90	5.95e-03
		55	3.54	0.33	-3.31	-0.03	-2.95	-1.08	0.64	0.19	0.19	0.64	0.03
		54	2.46	0.24	-2.32	-0.34	-1.73	-1.07	0.05	-0.33	-0.02	-0.26	-0.15
		46	1.93	0.11	-2.08	-0.37	-1.60	0.91	-0.04	-0.39	-0.05	-0.37	-0.07
46	23	47	79.05	122.46	2.55	18.66	106.35	40.89	0.48	-0.15	0.28	0.05	-0.29
		55	81.99	126.14	0.53	18.74	107.93	-44.23	0.10	-0.65	-0.45	-0.10	0.33
		54	81.35	126.01	1.86	19.23	108.64	43.07	0.13	-0.63	-0.45	-0.05	-0.33
		46	79.68	123.65	2.80	19.49	106.96	-41.70	0.53	-0.11	0.31	0.11	0.30
46	24	47	12.92	9.14	-6.41	6.80	-4.07	-5.56	3.01	0.92	0.92	3.01	-1.30e-03
		55	9.83	4.25	-7.27	1.04	-4.06	-5.16	2.14	0.62	0.63	2.13	0.13
		54	3.90	0.10	-1.34	-0.35	-0.89	-0.66	0.16	-1.12	-0.09	-0.87	-0.51
		46	3.85	1.17	-2.07	-0.43	-0.48	1.62	-0.11	-1.27	-0.15	-1.22	-0.21
46	25	47	79.62	123.35	2.57	18.80	107.12	41.19	0.48	-0.15	0.28	0.05	-0.30
		55	82.59	127.05	0.54	18.88	108.71	-44.55	0.10	-0.66	-0.45	-0.10	0.34
		54	81.94	126.92	1.87	19.37	109.43	43.38	0.13	-0.64	-0.45	-0.05	-0.33
		46	80.25	124.54	2.82	19.63	107.73	-42.00	0.53	-0.11	0.31	0.11	0.31
46	26	47	12.38	9.16	-5.53	6.93	-3.30	-5.26	3.01	0.92	0.92	3.01	-3.44e-03
		55	9.73	4.87	-6.97	1.18	-3.28	-5.48	2.14	0.61	0.63	2.13	0.13
		54	3.33	0.20	-0.51	-0.21	-0.11	-0.35	0.16	-1.12	-0.09	-0.87	-0.51
		46	3.96	1.36	-1.35	-0.29	0.30	1.32	-0.11	-1.26	-0.15	-1.22	-0.21
46	27	47	79.05	122.46	2.55	18.66	106.35	40.89	0.48	-0.15	0.28	0.05	-0.29
		55	81.99	126.14	0.53	18.74	107.93	-44.23	0.10	-0.65	-0.45	-0.10	0.33
		54	81.35	126.01	1.86	19.23	108.64	43.07	0.13	-0.63	-0.45	-0.05	-0.33
		46	79.68	123.65	2.80	19.49	106.96	-41.70	0.53	-0.11	0.31	0.11	0.30
46	28	47	12.92	9.14	-6.41	6.80	-4.07	-5.56	3.01	0.92	0.92	3.01	-1.30e-03
		55	9.83	4.25	-7.27	1.04	-4.06	-5.16	2.14	0.62	0.63	2.13	0.13
		54	3.90	0.10	-1.34	-0.35	-0.89	-0.66	0.16	-1.12	-0.09	-0.87	-0.51
		46	3.85	1.17	-2.07	-0.43	-0.48	1.62	-0.11	-1.27	-0.15	-1.22	-0.21
46	29	47	79.62	123.35	2.57	18.80	107.12	41.19	0.48	-0.15	0.28	0.05	-0.30
		55	82.59	127.05	0.54	18.88	108.71	-44.55	0.10	-0.66	-0.45	-0.10	0.34
		54	81.94	126.92	1.87	19.37	109.43	43.38	0.13	-0.64	-0.45	-0.05	-0.33
		46	80.25	124.54	2.82	19.63	107.73	-42.00	0.53	-0.11	0.31	0.11	0.31
46	30	47	12.38	9.16	-5.53	6.93	-3.30	-5.26	3.01	0.92	0.92	3.01	-3.44e-03
		55	9.73	4.87	-6.97	1.18	-3.28	-5.48	2.14	0.61	0.63	2.13	0.13
		54	3.33	0.20	-0.51	-0.21	-0.11	-0.35	0.16	-1.12	-0.09	-0.87	-0.51
		46	3.96	1.36	-1.35	-0.29	0.30	1.32	-0.11	-1.26	-0.15	-1.22	-0.21
46	31	47	79.04	122.44	2.54	18.65	106.33	40.89	0.48	-0.15	0.28	0.05	-0.29
		55	81.98	126.12	0.51	18.73	107.90	-44.23	0.10	-0.65	-0.45	-0.10	0.34
		54	81.33	125.98	1.84	19.21	108.61	43.06	0.13	-0.63	-0.45	-0.05	-0.33
		46	79.68	123.64	2.78	19.48	106.94	-41.70	0.53	-0.11	0.31	0.11	0.30

46	32	47	12.92	9.14	-6.40	6.81	-4.06	-5.56	3.01	0.92	0.92	3.01	-1.36e-03
		55	9.82	4.26	-7.24	1.05	-4.04	-5.16	2.14	0.62	0.63	2.13	0.13
		54	3.88	0.11	-1.31	-0.33	-0.86	-0.66	0.16	-1.12	-0.09	-0.87	-0.51
		46	3.85	1.19	-2.06	-0.42	-0.46	1.62	-0.11	-1.27	-0.15	-1.22	-0.21
46	33	47	79.61	123.33	2.56	18.79	107.10	41.19	0.48	-0.15	0.28	0.05	-0.30
		55	82.58	127.03	0.52	18.87	108.68	-44.55	0.10	-0.66	-0.45	-0.10	0.34
		54	81.92	126.89	1.86	19.35	109.40	43.38	0.13	-0.64	-0.45	-0.05	-0.33
		46	80.25	124.53	2.81	19.62	107.72	-42.00	0.53	-0.11	0.31	0.11	0.31
46	34	47	12.37	9.16	-5.51	6.94	-3.29	-5.26	3.01	0.92	0.92	3.01	-3.51e-03
		55	9.72	4.88	-6.94	1.19	-3.25	-5.48	2.14	0.61	0.63	2.13	0.13
		54	3.32	0.21	-0.49	-0.19	-0.08	-0.35	0.16	-1.12	-0.09	-0.87	-0.51
		46	3.97	1.37	-1.34	-0.28	0.31	1.32	-0.11	-1.26	-0.15	-1.22	-0.21
46	35	47	79.04	122.44	2.54	18.65	106.33	40.89	0.48	-0.15	0.28	0.05	-0.29
		55	81.98	126.12	0.51	18.73	107.90	-44.23	0.10	-0.65	-0.45	-0.10	0.34
		54	81.33	125.98	1.84	19.21	108.61	43.06	0.13	-0.63	-0.45	-0.05	-0.33
		46	79.68	123.64	2.78	19.48	106.94	-41.70	0.53	-0.11	0.31	0.11	0.30
46	36	47	12.92	9.14	-6.40	6.81	-4.06	-5.56	3.01	0.92	0.92	3.01	-1.36e-03
		55	9.82	4.26	-7.24	1.05	-4.04	-5.16	2.14	0.62	0.63	2.13	0.13
		54	3.88	0.11	-1.31	-0.33	-0.86	-0.66	0.16	-1.12	-0.09	-0.87	-0.51
		46	3.85	1.19	-2.06	-0.42	-0.46	1.62	-0.11	-1.27	-0.15	-1.22	-0.21
46	37	47	79.61	123.33	2.56	18.79	107.10	41.19	0.48	-0.15	0.28	0.05	-0.30
		55	82.58	127.03	0.52	18.87	108.68	-44.55	0.10	-0.66	-0.45	-0.10	0.34
		54	81.92	126.89	1.86	19.35	109.40	43.38	0.13	-0.64	-0.45	-0.05	-0.33
		46	80.25	124.53	2.81	19.62	107.72	-42.00	0.53	-0.11	0.31	0.11	0.31
46	38	47	12.37	9.16	-5.51	6.94	-3.29	-5.26	3.01	0.92	0.92	3.01	-3.50e-03
		55	9.72	4.88	-6.94	1.19	-3.25	-5.48	2.14	0.61	0.63	2.13	0.13
		54	3.32	0.21	-0.49	-0.19	-0.08	-0.35	0.16	-1.12	-0.09	-0.87	-0.51
		46	3.97	1.37	-1.34	-0.28	0.31	1.32	-0.11	-1.26	-0.15	-1.22	-0.21
46	39	47	0.28	-0.02	-0.42	-0.18	-0.26	-0.20	1.95e-03	-4.07e-03	-9.74e-04	-1.15e-03	3.01e-03
		55	0.32	0.06	-0.44	-0.11	-0.27	-0.24	8.36e-04	-6.42e-03	-3.05e-03	-2.53e-03	-3.62e-03
		54	0.43	0.45	-0.28	0.05	0.12	-0.37	5.84e-03	-1.32e-03	3.08e-03	1.44e-03	3.49e-03
		46	0.30	0.33	-0.18	0.05	0.10	-0.25	-9.51e-06	-7.82e-03	-6.07e-03	-1.76e-03	-3.26e-03
46	40	47	0.27	-0.04	-0.43	-0.19	-0.27	-0.19	2.24e-03	-3.87e-03	-5.67e-04	-1.06e-03	3.04e-03
		55	0.32	0.04	-0.45	-0.12	-0.29	-0.23	1.02e-03	-6.12e-03	-2.65e-03	-2.45e-03	-3.57e-03
		54	0.42	0.43	-0.29	0.04	0.10	-0.36	6.16e-03	-1.13e-03	3.52e-03	1.52e-03	3.51e-03
		46	0.29	0.31	-0.18	0.04	0.09	-0.24	1.68e-04	-7.47e-03	-5.63e-03	-1.67e-03	-3.27e-03
46	41	47	0.28	-0.02	-0.42	-0.18	-0.26	-0.20	1.95e-03	-4.06e-03	-9.69e-04	-1.14e-03	3.00e-03
		55	0.32	0.06	-0.44	-0.11	-0.27	-0.24	8.52e-04	-6.42e-03	-3.04e-03	-2.52e-03	-3.62e-03
		54	0.43	0.45	-0.28	0.06	0.12	-0.37	5.85e-03	-1.31e-03	3.08e-03	1.45e-03	3.49e-03
		46	0.30	0.33	-0.18	0.05	0.10	-0.25	-2.95e-06	-7.82e-03	-6.07e-03	-1.75e-03	-3.26e-03
46	42	47	0.27	-0.04	-0.43	-0.19	-0.27	-0.19	2.25e-03	-3.85e-03	-5.62e-04	-1.05e-03	3.04e-03
		55	0.32	0.04	-0.45	-0.12	-0.29	-0.23	1.04e-03	-6.12e-03	-2.64e-03	-2.44e-03	-3.58e-03
		54	0.42	0.43	-0.29	0.04	0.10	-0.36	6.17e-03	-1.11e-03	3.52e-03	1.53e-03	3.50e-03
		46	0.29	0.31	-0.18	0.04	0.09	-0.24	1.74e-04	-7.47e-03	-5.63e-03	-1.66e-03	-3.27e-03
46	43	47	0.28	-0.02	-0.42	-0.18	-0.26	-0.20	1.98e-03	-4.05e-03	-9.26e-04	-1.15e-03	3.01e-03
		55	0.32	0.06	-0.44	-0.11	-0.27	-0.24	8.50e-04	-6.39e-03	-3.00e-03	-2.53e-03	-3.61e-03
		54	0.43	0.45	-0.29	0.05	0.11	-0.37	5.87e-03	-1.31e-03	3.12e-03	1.44e-03	3.49e-03
		46	0.30	0.33	-0.18	0.05	0.10	-0.25	-2.24e-06	-7.79e-03	-6.03e-03	-1.76e-03	-3.26e-03
46	44	47	0.27	-0.04	-0.43	-0.19	-0.27	-0.19	2.21e-03	-3.88e-03	-6.15e-04	-1.06e-03	3.04e-03
		55	0.32	0.04	-0.45	-0.12	-0.29	-0.23	1.01e-03	-6.15e-03	-2.69e-03	-2.45e-03	-3.58e-03
		54	0.42	0.43	-0.29	0.04	0.10	-0.36	6.14e-03	-1.13e-03	3.48e-03	1.52e-03	3.50e-03
		46	0.29	0.31	-0.18	0.04	0.09	-0.24	1.60e-04	-7.50e-03	-5.67e-03	-1.67e-03	-3.27e-03
46	45	47	0.28	-0.02	-0.42	-0.18	-0.26	-0.20	1.98e-03	-4.04e-03	-9.21e-04	-1.14e-03	3.01e-03
		55	0.32	0.06	-0.44	-0.11	-0.27	-0.24	8.65e-04	-6.38e-03	-3.00e-03	-2.52e-03	-3.62e-03
		54	0.43	0.45	-0.29	0.05	0.11	-0.37	5.87e-03	-1.30e-03	3.12e-03	1.45e-03	3.49e-03
		46	0.30	0.33	-0.18	0.05	0.10	-0.25	4.31e-06	-7.79e-03	-6.03e-03	-1.75e-03	-3.26e-03
46	46	47	0.27	-0.04	-0.43	-0.19	-0.27	-0.19	2.21e-03	-3.87e-03	-6.09e-04	-1.05e-03	3.03e-03
		55	0.32	0.04	-0.45	-0.12	-0.29	-0.23	1.03e-03	-6.15e-03	-2.69e-03	-2.44e-03	-3.59e-03
		54	0.42	0.43	-0.29	0.04	0.10	-0.36	6.14e-03	-1.12e-03	3.48e-03	1.54e-03	3.50e-03
		46	0.29	0.31	-0.18	0.04	0.09	-0.24	1.66e-04	-7.49e-03	-5.66e-03	-1.66e-03	-3.27e-03
46	47	47	0.28	-0.02	-0.42	-0.18	-0.26	-0.20	1.94e-03	-4.06e-03	-9.74e-04	-1.15e-03	3.00e-03
		55	0.32	0.06	-0.44	-0.11	-0.27	-0.24	8.41e-04	-6.42e-03	-3.05e-03	-2.53e-03	-3.62e-03
		54	0.43	0.45	-0.28	0.05	0.12	-0.37	5.84e-03	-1.32e-03	3.08e-03	1.44e-03	3.49e-03
		46	0.30	0.33	-0.18	0.05	0.10	-0.25	-1.05e-05	-7.82e-03	-6.07e-03	-1.76e-03	-3.26e-03
46	48	47	0.27	-0.04	-0.43	-0.19	-0.27	-0.19	2.24e-03	-3.86e-03	-5.67e-04	-1.06e-03	3.04e-03
		55	0.32	0.04	-0.45	-0.12	-0.29	-0.23	1.03e-03	-6.13e-03	-2.65e-03	-2.45e-03	-3.58e-03
		54	0.42	0.43	-0.29	0.04	0.10	-0.36	6.16e-03	-1.12e-03	3.52e-03	1.52e-03	3.50e-03
		46	0.29	0.31	-0.18	0.04	0.09	-0.24	1.67e-04	-7.47e-03	-5.63e-03	-1.67e-03	-3.27e-03
46	49	47	0.28	-0.02	-0.42	-0.18	-0.26	-0.20	1.96e-03	-4.06e-03	-9.69e-04	-1.14e-03	3.01e-03
		55	0.32	0.06	-0.44	-0.11	-0.27	-0.24	8.47e-04	-6.41e-03	-3.04e-03	-2.52e-03	-3.62e-03
		54	0.43	0.45	-0.28	0.06	0.12	-0.37	5.85e-03	-1.31e-03	3.08e-03	1.46e-03	3.49e-03
		46	0.30	0.33	-0.18	0.05	0.10	-0.25	-1.97e-06	-7.82e-03	-6.07e-03	-1.75e-03	-3.26e-03
46	50	47	0.27	-0.04	-0.43	-0.19	-0.27	-0.19	2.25e-03	-3.86e-03	-5.62e-04	-1.05e-03	3.04e-03
		55	0.32	0.04	-0.45	-0.12	-0.29	-0.23	1.04e-03	-6.11e-03	-2.64e-03	-2.44e-03	-3.57e-03
		54	0.42	0.43	-0.29	0.04	0.10	-0.36	6.17e-03	-1.12e-03	3.52e-03	1.53e-03	3.50e-03
		46	0.29	0.31	-0.18	0.04	0.09	-0.24	1.75e-04	-7.47e-03	-5.63e-03	-1.66e-03	-3.27e-03
46	51	47	0.28	-0.02	-0.42	-0.18	-0.26	-0.20	1.98e-03	-4.05e-03	-9.26e-04	-1.15e-03	3.01e-03

		55	0.32	0.06	-0.44	-0.11	-0.27	-0.24	8.55e-04	-6.39e-03	-3.00e-03	-2.53e-03	-3.62e-03
		54	0.43	0.45	-0.29	0.05	0.11	-0.37	5.87e-03	-1.31e-03	3.12e-03	1.44e-03	3.49e-03
		46	0.30	0.33	-0.18	0.05	0.10	-0.25	-3.22e-06	-7.79e-03	-6.03e-03	-1.76e-03	-3.26e-03
46	52	47	0.27	-0.04	-0.43	-0.19	-0.27	-0.19	2.21e-03	-3.88e-03	-6.15e-04	-1.06e-03	3.03e-03
		55	0.32	0.04	-0.45	-0.12	-0.29	-0.23	1.02e-03	-6.16e-03	-2.69e-03	-2.45e-03	-3.59e-03
		54	0.42	0.43	-0.29	0.04	0.10	-0.36	6.14e-03	-1.13e-03	3.48e-03	1.52e-03	3.50e-03
		46	0.29	0.31	-0.18	0.04	0.09	-0.24	1.59e-04	-7.50e-03	-5.67e-03	-1.67e-03	-3.27e-03
46	53	47	0.28	-0.02	-0.42	-0.18	-0.26	-0.20	1.99e-03	-4.04e-03	-9.21e-04	-1.14e-03	3.01e-03
		55	0.32	0.06	-0.44	-0.11	-0.27	-0.24	8.60e-04	-6.38e-03	-3.00e-03	-2.52e-03	-3.61e-03
		54	0.43	0.45	-0.29	0.05	0.11	-0.37	5.87e-03	-1.30e-03	3.12e-03	1.45e-03	3.49e-03
		46	0.30	0.33	-0.18	0.05	0.10	-0.25	5.29e-06	-7.79e-03	-6.03e-03	-1.75e-03	-3.26e-03
46	54	47	0.27	-0.04	-0.43	-0.19	-0.27	-0.19	2.22e-03	-3.87e-03	-6.10e-04	-1.05e-03	3.04e-03
		55	0.32	0.04	-0.45	-0.12	-0.29	-0.23	1.02e-03	-6.14e-03	-2.69e-03	-2.44e-03	-3.58e-03
		54	0.42	0.43	-0.29	0.04	0.10	-0.36	6.14e-03	-1.13e-03	3.48e-03	1.54e-03	3.50e-03
		46	0.29	0.31	-0.18	0.04	0.09	-0.24	1.67e-04	-7.49e-03	-5.66e-03	-1.66e-03	-3.27e-03
46	55	47	0.28	4.13e-03	-0.42	-0.17	-0.24	-0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	2.96e-03
		55	0.33	0.09	-0.43	-0.10	-0.25	-0.25	6.30e-04	-6.77e-03	-3.52e-03	-2.62e-03	-3.67e-03
		54	0.44	0.48	-0.27	0.07	0.14	-0.38	5.48e-03	-1.56e-03	2.57e-03	1.36e-03	3.47e-03
		46	0.31	0.35	-0.17	0.06	0.12	-0.26	-2.06e-04	-8.24e-03	-6.58e-03	-1.86e-03	-3.25e-03
46	56	47	0.27	-0.06	-0.43	-0.20	-0.29	-0.18	2.60e-03	-3.64e-03	-9.02e-05	-9.52e-04	3.09e-03
		55	0.32	0.02	-0.46	-0.13	-0.31	-0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.35e-03	-3.52e-03
		54	0.41	0.40	-0.30	0.03	0.07	-0.35	6.55e-03	-9.03e-04	4.03e-03	1.62e-03	3.52e-03
		46	0.28	0.28	-0.19	0.02	0.07	-0.23	3.84e-04	-7.07e-03	-5.11e-03	-1.57e-03	-3.28e-03
46	57	47	0.28	4.17e-03	-0.42	-0.17	-0.24	-0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	2.96e-03
		55	0.33	0.09	-0.43	-0.10	-0.25	-0.25	6.35e-04	-6.77e-03	-3.52e-03	-2.62e-03	-3.68e-03
		54	0.44	0.48	-0.27	0.07	0.14	-0.38	5.49e-03	-1.55e-03	2.57e-03	1.36e-03	3.47e-03
		46	0.31	0.35	-0.17	0.06	0.12	-0.26	-2.04e-04	-8.24e-03	-6.58e-03	-1.86e-03	-3.25e-03
46	58	47	0.27	-0.06	-0.43	-0.20	-0.29	-0.18	2.60e-03	-3.63e-03	-8.85e-05	-9.49e-04	3.09e-03
		55	0.32	0.02	-0.46	-0.13	-0.31	-0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.35e-03	-3.52e-03
		54	0.41	0.40	-0.30	0.03	0.07	-0.35	6.55e-03	-8.99e-04	4.03e-03	1.62e-03	3.52e-03
		46	0.28	0.28	-0.19	0.02	0.07	-0.23	3.86e-04	-7.07e-03	-5.11e-03	-1.57e-03	-3.28e-03
46	59	47	0.28	4.13e-03	-0.42	-0.17	-0.24	-0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	2.96e-03
		55	0.33	0.09	-0.43	-0.10	-0.25	-0.25	6.32e-04	-6.77e-03	-3.52e-03	-2.62e-03	-3.68e-03
		54	0.44	0.48	-0.27	0.07	0.14	-0.38	5.48e-03	-1.56e-03	2.57e-03	1.36e-03	3.47e-03
		46	0.31	0.35	-0.17	0.06	0.12	-0.26	-2.07e-04	-8.24e-03	-6.58e-03	-1.86e-03	-3.25e-03
46	60	47	0.27	-0.06	-0.43	-0.20	-0.29	-0.18	2.59e-03	-3.64e-03	-9.01e-05	-9.53e-04	3.09e-03
		55	0.32	0.02	-0.46	-0.13	-0.31	-0.22	1.26e-03	-5.79e-03	-2.17e-03	-2.35e-03	-3.52e-03
		54	0.41	0.40	-0.30	0.03	0.07	-0.35	6.54e-03	-9.02e-04	4.03e-03	1.62e-03	3.52e-03
		46	0.28	0.28	-0.19	0.02	0.07	-0.23	3.84e-04	-7.07e-03	-5.11e-03	-1.57e-03	-3.28e-03
46	61	47	0.28	4.17e-03	-0.42	-0.17	-0.24	-0.21	1.62e-03	-4.31e-03	-1.45e-03	-1.24e-03	2.96e-03
		55	0.33	0.09	-0.43	-0.10	-0.25	-0.25	6.34e-04	-6.77e-03	-3.52e-03	-2.62e-03	-3.67e-03
		54	0.44	0.48	-0.27	0.07	0.14	-0.38	5.49e-03	-1.55e-03	2.57e-03	1.36e-03	3.47e-03
		46	0.31	0.35	-0.17	0.06	0.12	-0.26	-2.04e-04	-8.24e-03	-6.58e-03	-1.86e-03	-3.25e-03
46	62	47	0.27	-0.06	-0.43	-0.20	-0.29	-0.18	2.60e-03	-3.64e-03	-8.86e-05	-9.49e-04	3.09e-03
		55	0.32	0.02	-0.46	-0.13	-0.31	-0.22	1.26e-03	-5.78e-03	-2.17e-03	-2.35e-03	-3.52e-03
		54	0.41	0.40	-0.30	0.03	0.07	-0.35	6.55e-03	-9.00e-04	4.03e-03	1.62e-03	3.52e-03
		46	0.28	0.28	-0.19	0.02	0.07	-0.23	3.87e-04	-7.07e-03	-5.11e-03	-1.57e-03	-3.28e-03
46	63	47	0.28	1.32e-03	-0.42	-0.18	-0.25	-0.21	1.72e-03	-4.25e-03	-1.29e-03	-1.25e-03	2.98e-03
		55	0.33	0.08	-0.44	-0.10	-0.26	-0.25	6.72e-04	-6.66e-03	-3.36e-03	-2.63e-03	-3.65e-03
		54	0.44	0.48	-0.28	0.06	0.13	-0.38	5.56e-03	-1.52e-03	2.69e-03	1.35e-03	3.48e-03
		46	0.31	0.35	-0.18	0.06	0.11	-0.26	-1.84e-04	-8.14e-03	-6.46e-03	-1.87e-03	-3.25e-03
46	64	47	0.27	-0.06	-0.43	-0.20	-0.29	-0.18	2.48e-03	-3.68e-03	-2.50e-04	-9.51e-04	3.06e-03
		55	0.31	0.02	-0.45	-0.13	-0.30	-0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.35e-03	-3.55e-03
		54	0.41	0.41	-0.29	0.03	0.08	-0.35	6.46e-03	-9.30e-04	3.90e-03	1.62e-03	3.51e-03
		46	0.28	0.28	-0.18	0.03	0.07	-0.23	3.56e-04	-7.16e-03	-5.24e-03	-1.56e-03	-3.28e-03
46	65	47	0.28	1.37e-03	-0.42	-0.18	-0.25	-0.21	1.72e-03	-4.25e-03	-1.29e-03	-1.24e-03	2.98e-03
		55	0.33	0.08	-0.44	-0.10	-0.26	-0.25	6.77e-04	-6.66e-03	-3.36e-03	-2.62e-03	-3.65e-03
		54	0.44	0.48	-0.28	0.06	0.13	-0.38	5.56e-03	-1.52e-03	2.69e-03	1.35e-03	3.48e-03
		46	0.31	0.35	-0.18	0.06	0.11	-0.26	-1.82e-04	-8.14e-03	-6.46e-03	-1.86e-03	-3.25e-03
46	66	47	0.27	-0.06	-0.43	-0.20	-0.29	-0.18	2.48e-03	-3.68e-03	-2.48e-04	-9.48e-04	3.06e-03
		55	0.31	0.02	-0.45	-0.13	-0.30	-0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.34e-03	-3.55e-03
		54	0.41	0.41	-0.29	0.03	0.08	-0.35	6.46e-03	-9.27e-04	3.91e-03	1.63e-03	3.51e-03
		46	0.28	0.28	-0.18	0.03	0.07	-0.23	3.58e-04	-7.16e-03	-5.24e-03	-1.56e-03	-3.28e-03
46	67	47	0.28	1.32e-03	-0.42	-0.18	-0.25	-0.21	1.72e-03	-4.25e-03	-1.29e-03	-1.25e-03	2.98e-03
		55	0.33	0.08	-0.44	-0.10	-0.26	-0.25	6.74e-04	-6.66e-03	-3.36e-03	-2.63e-03	-3.65e-03
		54	0.44	0.48	-0.28	0.06	0.13	-0.38	5.56e-03	-1.52e-03	2.69e-03	1.35e-03	3.48e-03
		46	0.31	0.35	-0.18	0.06	0.11	-0.26	-1.85e-04	-8.14e-03	-6.46e-03	-1.87e-03	-3.25e-03
46	68	47	0.27	-0.06	-0.43	-0.20	-0.29	-0.18	2.48e-03	-3.68e-03	-2.50e-04	-9.51e-04	3.06e-03
		55	0.31	0.02	-0.45	-0.13	-0.30	-0.22	1.21e-03	-5.89e-03	-2.33e-03	-2.35e-03	-3.55e-03
		54	0.41	0.41	-0.29	0.03	0.08	-0.35	6.46e-03	-9.30e-04	3.91e-03	1.62e-03	3.51e-03
		46	0.28	0.28	-0.18	0.03	0.07	-0.23	3.55e-04	-7.16e-03	-5.24e-03	-1.56e-03	-3.28e-03
46	69	47	0.28	1.36e-03	-0.42	-0.18	-0.25	-0.21	1.72e-03	-4.25e-03	-1.29e-03	-1.24e-03	2.98e-03
		55	0.33	0.08	-0.44	-0.10	-0.26	-0.25	6.75e-04	-6.66e-03	-3.36e-03	-2.62e-03	-3.65e-03
		54	0.44	0.48	-0.28	0.06	0.13	-0.38	5.56e-03	-1.52e-03	2.69e-03	1.35e-03	3.48e-03
		46	0.31	0.35	-0.18	0.06	0.11	-0.26	-1.82e-04	-8.14e-03	-6.46e-03	-1.86e-03	-3.25e-03
46	70	47	0.27	-0.06	-0.43	-0.20	-0.29	-0.18	2.49e-03	-3.68e-03	-2.48e-04	-9.48e-04	3.06e-03
		55	0.31	0.02	-0.45	-0.13	-0.30	-0.22	1.21e-03	-5.88e-03	-2.33e-03	-2.34e-03	-3.55e-03

		54	0.41	0.41	-0.29	0.03	0.08	-0.35	6.46e-03	-9.28e-04	3.91e-03	1.63e-03	3.51e-03
		46	0.28	0.28	-0.18	0.03	0.07	-0.23	3.58e-04	-7.16e-03	-5.24e-03	-1.56e-03	-3.28e-03
46	71	47	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		55	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
46	72	47	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		55	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
46	73	47	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		55	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
46	74	47	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		55	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
46	75	47	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		55	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
46	76	47	0.27	-0.03	-0.42	-0.19	-0.27	-0.19	2.10e-03	-3.96e-03	-7.68e-04	-1.10e-03	3.02e-03
		55	0.32	0.05	-0.45	-0.11	-0.28	-0.23	9.37e-04	-6.27e-03	-2.85e-03	-2.49e-03	-3.60e-03
		54	0.42	0.44	-0.29	0.05	0.11	-0.36	6.00e-03	-1.22e-03	3.30e-03	1.49e-03	3.50e-03
		46	0.29	0.32	-0.18	0.04	0.09	-0.25	8.15e-05	-7.64e-03	-5.85e-03	-1.71e-03	-3.26e-03
47	1	48	0.22	-0.26	-0.38	-0.27	-0.36	-0.04	7.03e-03	-0.01	-6.94e-03	1.63e-04	9.79e-03
		56	0.23	-0.13	-0.38	-0.14	-0.38	0.04	0.01	-0.01	-7.20e-04	2.52e-04	-0.01
		55	0.45	0.24	-0.47	-0.06	-0.17	-0.35	0.01	-9.08e-03	2.89e-03	-6.79e-04	0.01
		47	0.29	0.02	-0.37	-0.17	-0.17	-0.19	2.52e-03	-0.02	-0.01	-4.93e-03	-0.01
47	2	48	0.22	-0.26	-0.38	-0.27	-0.36	-0.04	7.03e-03	-0.01	-6.94e-03	1.63e-04	9.79e-03
		56	0.23	-0.13	-0.38	-0.14	-0.38	0.04	0.01	-0.01	-7.20e-04	2.52e-04	-0.01
		55	0.45	0.24	-0.47	-0.06	-0.17	-0.35	0.01	-9.08e-03	2.89e-03	-6.79e-04	0.01
		47	0.29	0.02	-0.37	-0.17	-0.17	-0.19	2.52e-03	-0.02	-0.01	-4.93e-03	-0.01
47	3	48	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		55	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		47	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
47	4	48	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		55	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		47	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
47	5	48	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		55	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		47	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
47	6	48	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		55	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		47	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
47	7	48	20.59	31.76	0.36	4.61	27.51	10.74	0.11	-0.04	0.06	4.90e-03	-0.07
		56	21.15	32.57	0.12	4.78	27.91	-11.38	0.01	-0.16	-0.12	-0.03	0.07
		55	20.95	32.51	0.57	4.92	28.16	10.96	0.01	-0.16	-0.12	-0.02	-0.07
		47	20.85	32.18	0.37	4.83	27.72	-11.04	0.11	-0.04	0.07	9.84e-03	0.07
47	8	48	8.23	-4.63	-11.16	-7.32	-8.47	-3.21	-0.47	-1.30	-0.50	-1.27	0.14
		56	7.40	-3.32	-9.51	-3.72	-9.11	1.51	-0.12	-0.92	-0.12	-0.92	3.45e-03
		55	9.90	4.61	-9.73	0.46	-5.58	-6.50	0.79	5.35e-03	0.09	0.70	0.24
		47	6.60	2.12	-6.02	2.10	-6.00	0.35	0.95	0.26	0.26	0.94	0.05
47	9	48	22.50	34.71	0.41	5.05	30.07	11.73	0.12	-0.05	0.07	5.43e-03	-0.08
		56	23.11	35.60	0.15	5.23	30.51	-12.43	0.01	-0.18	-0.13	-0.03	0.08
		55	22.90	35.53	0.61	5.38	30.76	12.00	0.02	-0.17	-0.13	-0.03	-0.08
		47	22.77	35.15	0.43	5.29	30.29	-12.05	0.13	-0.04	0.07	0.01	0.08
47	10	48	6.71	-4.12	-8.66	-6.87	-5.91	-2.22	-0.47	-1.29	-0.49	-1.27	0.13
		56	5.71	-3.20	-6.58	-3.27	-6.51	0.46	-0.14	-0.92	-0.14	-0.92	0.01
		55	8.10	4.78	-6.83	0.92	-2.98	-5.47	0.78	-5.08e-04	0.08	0.70	0.23
		47	5.22	2.63	-3.50	2.56	-3.43	-0.65	0.95	0.27	0.27	0.94	0.06
47	11	48	20.59	31.76	0.36	4.61	27.51	10.74	0.11	-0.04	0.06	4.88e-03	-0.07
		56	21.15	32.57	0.12	4.78	27.91	-11.38	0.01	-0.16	-0.12	-0.03	0.07
		55	20.94	32.50	0.57	4.92	28.15	10.96	0.01	-0.16	-0.12	-0.02	-0.07
		47	20.86	32.18	0.37	4.83	27.72	-11.05	0.11	-0.04	0.07	9.82e-03	0.07
47	12	48	8.22	-4.63	-11.16	-7.32	-8.47	-3.21	-0.47	-1.30	-0.50	-1.27	0.14
		56	7.40	-3.32	-9.50	-3.72	-9.11	1.52	-0.12	-0.92	-0.12	-0.92	3.43e-03
		55	9.90	4.61	-9.72	0.47	-5.58	-6.50	0.79	5.34e-03	0.09	0.70	0.24
		47	6.60	2.12	-6.01	2.11	-6.00	0.35	0.95	0.26	0.26	0.94	0.05
47	13	48	22.50	34.71	0.41	5.05	30.07	11.73	0.12	-0.05	0.07	5.41e-03	-0.08
		56	23.11	35.60	0.14	5.23	30.51	-12.43	0.01	-0.18	-0.13	-0.03	0.08
		55	22.90	35.53	0.61	5.38	30.76	11.99	0.02	-0.17	-0.13	-0.03	-0.08

		47	22.77	35.15	0.43	5.29	30.29	-12.05	0.13	-0.04	0.07	0.01	0.08
47	14	48	6.70	-4.13	-8.66	-6.87	-5.91	-2.22	-0.47	-1.29	-0.49	-1.27	0.13
		56	5.71	-3.20	-6.58	-3.27	-6.51	0.47	-0.14	-0.92	-0.14	-0.92	0.01
		55	8.10	4.78	-6.82	0.93	-2.97	-5.46	0.78	-5.13e-04	0.08	0.70	0.23
		47	5.22	2.63	-3.50	2.56	-3.43	-0.65	0.95	0.27	0.27	0.94	0.06
47	15	48	20.59	31.76	0.36	4.61	27.51	10.74	0.11	-0.04	0.06	4.90e-03	-0.07
		56	21.15	32.57	0.12	4.78	27.91	-11.38	0.01	-0.16	-0.12	-0.03	0.07
		55	20.95	32.51	0.57	4.92	28.16	10.96	0.01	-0.16	-0.12	-0.02	-0.07
		47	20.85	32.18	0.37	4.83	27.72	-11.04	0.11	-0.04	0.07	9.84e-03	0.07
47	16	48	8.23	-4.63	-11.16	-7.32	-8.47	-3.21	-0.47	-1.30	-0.50	-1.27	0.14
		56	7.40	-3.32	-9.51	-3.72	-9.11	1.51	-0.12	-0.92	-0.12	-0.92	3.43e-03
		55	9.90	4.61	-9.73	0.46	-5.58	-6.50	0.79	5.35e-03	0.09	0.70	0.24
		47	6.60	2.12	-6.02	2.10	-6.00	0.35	0.95	0.26	0.26	0.94	0.05
47	17	48	22.50	34.71	0.41	5.05	30.07	11.73	0.12	-0.05	0.07	5.43e-03	-0.08
		56	23.11	35.60	0.15	5.23	30.51	-12.43	0.01	-0.18	-0.13	-0.03	0.08
		55	22.90	35.53	0.61	5.38	30.76	12.00	0.02	-0.17	-0.13	-0.03	-0.08
		47	22.77	35.15	0.43	5.29	30.29	-12.05	0.13	-0.04	0.07	0.01	0.08
47	18	48	6.71	-4.12	-8.66	-6.87	-5.91	-2.22	-0.47	-1.29	-0.49	-1.27	0.13
		56	5.71	-3.20	-6.58	-3.27	-6.51	0.46	-0.14	-0.92	-0.14	-0.92	0.01
		55	8.10	4.78	-6.83	0.92	-2.98	-5.47	0.78	-5.12e-04	0.08	0.70	0.23
		47	5.22	2.63	-3.50	2.56	-3.43	-0.65	0.95	0.27	0.27	0.94	0.06
47	19	48	20.59	31.76	0.36	4.61	27.51	10.74	0.11	-0.04	0.06	4.88e-03	-0.07
		56	21.15	32.57	0.12	4.78	27.91	-11.38	0.01	-0.16	-0.12	-0.03	0.07
		55	20.94	32.50	0.57	4.92	28.15	10.96	0.01	-0.16	-0.12	-0.02	-0.07
		47	20.86	32.18	0.37	4.83	27.72	-11.05	0.11	-0.04	0.07	9.82e-03	0.07
47	20	48	8.22	-4.63	-11.16	-7.32	-8.47	-3.21	-0.47	-1.30	-0.50	-1.27	0.14
		56	7.40	-3.32	-9.50	-3.72	-9.11	1.52	-0.12	-0.92	-0.12	-0.92	3.42e-03
		55	9.90	4.61	-9.72	0.47	-5.58	-6.50	0.79	5.35e-03	0.09	0.70	0.24
		47	6.60	2.12	-6.01	2.11	-6.00	0.35	0.95	0.26	0.26	0.94	0.05
47	21	48	22.50	34.71	0.41	5.05	30.07	11.73	0.12	-0.05	0.07	5.41e-03	-0.08
		56	23.11	35.60	0.14	5.23	30.51	-12.43	0.01	-0.18	-0.13	-0.03	0.08
		55	22.90	35.53	0.61	5.38	30.76	11.99	0.02	-0.17	-0.13	-0.03	-0.08
		47	22.77	35.15	0.43	5.29	30.29	-12.05	0.13	-0.04	0.07	0.01	0.08
47	22	48	6.70	-4.13	-8.66	-6.87	-5.91	-2.22	-0.47	-1.29	-0.49	-1.27	0.13
		56	5.71	-3.20	-6.58	-3.27	-6.51	0.47	-0.14	-0.92	-0.14	-0.92	0.01
		55	8.10	4.78	-6.82	0.92	-2.97	-5.46	0.78	-5.17e-04	0.08	0.70	0.23
		47	5.22	2.63	-3.50	2.56	-3.43	-0.65	0.95	0.27	0.27	0.94	0.06
47	23	48	79.12	122.23	1.93	18.22	105.95	41.15	0.45	-0.17	0.25	0.02	-0.29
		56	81.32	125.30	0.79	18.57	107.52	-43.56	0.06	-0.64	-0.46	-0.12	0.31
		55	80.80	125.14	1.80	18.95	108.00	42.67	0.07	-0.63	-0.47	-0.09	-0.30
		47	79.60	123.09	2.10	18.84	106.34	-41.78	0.48	-0.15	0.28	0.05	0.29
47	24	48	19.29	-11.22	-24.32	-21.54	-14.00	-5.36	-1.55	-4.30	-1.61	-4.24	0.41
		56	15.59	-9.70	-15.96	-9.76	-15.90	-0.59	-0.47	-3.07	-0.47	-3.07	0.07
		55	22.82	15.92	-16.30	4.08	-4.46	-15.53	2.57	-7.84e-03	0.22	2.34	0.74
		47	15.11	10.62	-6.93	9.75	-6.07	-3.81	3.18	0.91	0.94	3.15	0.22
47	25	48	79.69	123.12	1.95	18.35	106.72	41.45	0.45	-0.17	0.26	0.02	-0.29
		56	81.90	126.21	0.80	18.71	108.30	-43.88	0.06	-0.64	-0.46	-0.12	0.31
		55	81.39	126.05	1.81	19.09	108.78	42.99	0.07	-0.64	-0.47	-0.09	-0.30
		47	80.18	123.98	2.11	18.98	107.11	-42.08	0.48	-0.15	0.28	0.05	0.30
47	26	48	18.92	-10.82	-23.83	-21.41	-13.24	-5.06	-1.55	-4.30	-1.61	-4.24	0.40
		56	15.15	-9.48	-15.27	-9.62	-15.12	-0.91	-0.47	-3.07	-0.47	-3.07	0.07
		55	22.31	16.00	-15.46	4.22	-3.68	-15.22	2.57	-9.69e-03	0.22	2.34	0.74
		47	14.84	10.92	-6.34	9.88	-5.30	-4.11	3.18	0.92	0.94	3.15	0.23
47	27	48	79.12	122.23	1.93	18.22	105.95	41.15	0.45	-0.17	0.25	0.02	-0.29
		56	81.32	125.30	0.79	18.57	107.52	-43.56	0.06	-0.64	-0.46	-0.12	0.31
		55	80.80	125.14	1.80	18.95	108.00	42.67	0.07	-0.63	-0.47	-0.09	-0.30
		47	79.60	123.09	2.10	18.84	106.34	-41.78	0.48	-0.15	0.28	0.05	0.29
47	28	48	19.29	-11.22	-24.32	-21.54	-14.00	-5.36	-1.55	-4.30	-1.61	-4.24	0.41
		56	15.59	-9.70	-15.96	-9.76	-15.90	-0.59	-0.47	-3.07	-0.47	-3.07	0.07
		55	22.82	15.92	-16.30	4.08	-4.46	-15.53	2.57	-7.84e-03	0.22	2.34	0.74
		47	15.11	10.62	-6.93	9.75	-6.07	-3.81	3.18	0.91	0.94	3.15	0.22
47	29	48	79.69	123.12	1.95	18.35	106.72	41.45	0.45	-0.17	0.26	0.02	-0.29
		56	81.90	126.21	0.80	18.71	108.30	-43.88	0.06	-0.64	-0.46	-0.12	0.31
		55	81.39	126.05	1.81	19.09	108.78	42.99	0.07	-0.64	-0.47	-0.09	-0.30
		47	80.18	123.98	2.11	18.98	107.11	-42.08	0.48	-0.15	0.28	0.05	0.30
47	30	48	18.92	-10.82	-23.83	-21.41	-13.24	-5.06	-1.55	-4.30	-1.61	-4.24	0.40
		56	15.15	-9.48	-15.27	-9.62	-15.12	-0.91	-0.47	-3.07	-0.47	-3.07	0.07
		55	22.31	16.00	-15.46	4.22	-3.68	-15.22	2.57	-9.69e-03	0.22	2.34	0.74
		47	14.84	10.92	-6.34	9.88	-5.30	-4.11	3.18	0.92	0.94	3.15	0.23
47	31	48	79.11	122.22	1.94	18.21	105.94	41.14	0.45	-0.17	0.25	0.02	-0.29
		56	81.32	125.30	0.78	18.57	107.51	-43.57	0.06	-0.64	-0.46	-0.12	0.31
		55	80.79	125.13	1.80	18.94	107.98	42.66	0.07	-0.63	-0.47	-0.09	-0.30
		47	79.61	123.09	2.08	18.84	106.33	-41.79	0.48	-0.15	0.28	0.05	0.29
47	32	48	19.29	-11.22	-24.31	-21.54	-14.00	-5.35	-1.55	-4.30	-1.61	-4.24	0.41
		56	15.58	-9.70	-15.94	-9.76	-15.89	-0.58	-0.47	-3.07	-0.47	-3.07	0.07
		55	22.81	15.92	-16.28	4.09	-4.45	-15.52	2.57	-7.86e-03	0.22	2.34	0.74
		47	15.11	10.62	-6.92	9.75	-6.06	-3.80	3.18	0.91	0.94	3.15	0.22

47	33	48	79.68	123.10	1.95	18.35	106.71	41.44	0.45	-0.17	0.26	0.02	-0.29
		56	81.91	126.20	0.79	18.71	108.29	-43.89	0.06	-0.64	-0.46	-0.12	0.31
		55	81.38	126.03	1.81	19.08	108.77	42.98	0.07	-0.64	-0.47	-0.09	-0.30
		47	80.18	123.98	2.10	18.97	107.10	-42.09	0.48	-0.15	0.28	0.05	0.30
47	34	48	18.91	-10.82	-23.82	-21.41	-13.23	-5.05	-1.55	-4.30	-1.61	-4.24	0.40
		56	15.15	-9.48	-15.25	-9.62	-15.11	-0.90	-0.47	-3.07	-0.47	-3.07	0.07
		55	22.30	16.00	-15.44	4.23	-3.67	-15.21	2.57	-9.71e-03	0.22	2.34	0.74
		47	14.84	10.93	-6.32	9.89	-5.29	-4.10	3.18	0.92	0.94	3.15	0.23
47	35	48	79.11	122.22	1.94	18.21	105.94	41.14	0.45	-0.17	0.25	0.02	-0.29
		56	81.32	125.30	0.78	18.57	107.51	-43.57	0.06	-0.64	-0.46	-0.12	0.31
		55	80.79	125.13	1.80	18.94	107.98	42.66	0.07	-0.63	-0.47	-0.09	-0.30
		47	79.61	123.09	2.08	18.84	106.33	-41.79	0.48	-0.15	0.28	0.05	0.29
47	36	48	19.29	-11.22	-24.31	-21.54	-14.00	-5.35	-1.55	-4.30	-1.61	-4.24	0.41
		56	15.58	-9.70	-15.94	-9.76	-15.89	-0.58	-0.47	-3.07	-0.47	-3.07	0.07
		55	22.81	15.92	-16.28	4.09	-4.45	-15.52	2.57	-7.85e-03	0.22	2.34	0.74
		47	15.11	10.62	-6.92	9.75	-6.06	-3.80	3.18	0.91	0.94	3.15	0.22
47	37	48	79.68	123.10	1.95	18.35	106.71	41.44	0.45	-0.17	0.26	0.02	-0.29
		56	81.91	126.20	0.79	18.71	108.29	-43.89	0.06	-0.64	-0.46	-0.12	0.31
		55	81.38	126.03	1.81	19.08	108.77	42.98	0.07	-0.64	-0.47	-0.09	-0.30
		47	80.18	123.98	2.10	18.97	107.10	-42.09	0.48	-0.15	0.28	0.05	0.30
47	38	48	18.91	-10.82	-23.82	-21.41	-13.23	-5.05	-1.55	-4.30	-1.61	-4.24	0.40
		56	15.15	-9.48	-15.25	-9.62	-15.11	-0.90	-0.47	-3.07	-0.47	-3.07	0.07
		55	22.30	16.00	-15.44	4.23	-3.67	-15.21	2.57	-9.71e-03	0.22	2.34	0.74
		47	14.84	10.93	-6.32	9.89	-5.29	-4.10	3.18	0.92	0.94	3.15	0.23
47	39	48	0.18	-0.19	-0.30	-0.21	-0.28	-0.04	5.30e-03	-0.01	-5.41e-03	3.08e-05	7.51e-03
		56	0.17	-0.10	-0.29	-0.11	-0.29	0.02	7.96e-03	-8.50e-03	-6.25e-04	8.85e-05	-8.22e-03
		55	0.36	0.20	-0.37	-0.04	-0.13	-0.28	8.57e-03	-7.07e-03	2.12e-03	-6.25e-04	7.70e-03
		47	0.23	0.03	-0.29	-0.13	-0.13	-0.16	1.85e-03	-0.02	-9.30e-03	-3.88e-03	-8.00e-03
47	40	48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.49e-03	-0.01	-5.28e-03	1.96e-04	7.55e-03
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	8.08e-03	-8.30e-03	-4.90e-04	2.66e-04	-8.18e-03
		55	0.34	0.17	-0.36	-0.05	-0.14	-0.26	8.80e-03	-6.92e-03	2.33e-03	-4.51e-04	7.73e-03
		47	0.22	1.95e-03	-0.28	-0.14	-0.14	-0.14	2.01e-03	-0.01	-9.08e-03	-3.72e-03	-7.97e-03
47	41	48	0.18	-0.19	-0.30	-0.21	-0.28	-0.04	5.32e-03	-0.01	-5.40e-03	5.52e-05	7.51e-03
		56	0.17	-0.10	-0.29	-0.11	-0.29	0.02	7.99e-03	-8.49e-03	-6.18e-04	1.22e-04	-8.23e-03
		55	0.36	0.20	-0.37	-0.04	-0.13	-0.28	8.58e-03	-7.05e-03	2.12e-03	-5.93e-04	7.70e-03
		47	0.23	0.03	-0.29	-0.13	-0.13	-0.16	1.87e-03	-0.02	-9.29e-03	-3.86e-03	-7.99e-03
47	42	48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.51e-03	-0.01	-5.28e-03	2.21e-04	7.55e-03
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	8.10e-03	-8.29e-03	-4.83e-04	2.99e-04	-8.19e-03
		55	0.34	0.17	-0.36	-0.05	-0.14	-0.26	8.81e-03	-6.89e-03	2.33e-03	-4.19e-04	7.73e-03
		47	0.22	2.11e-03	-0.28	-0.14	-0.14	-0.14	2.02e-03	-0.01	-9.08e-03	-3.70e-03	-7.97e-03
47	43	48	0.18	-0.19	-0.30	-0.21	-0.28	-0.04	5.30e-03	-0.01	-5.38e-03	5.23e-05	7.51e-03
		56	0.17	-0.10	-0.29	-0.11	-0.29	0.02	7.97e-03	-8.48e-03	-5.93e-04	8.82e-05	-8.22e-03
		55	0.36	0.20	-0.37	-0.04	-0.13	-0.28	8.58e-03	-7.08e-03	2.12e-03	-6.25e-04	7.71e-03
		47	0.24	0.03	-0.29	-0.13	-0.13	-0.16	1.85e-03	-0.02	-9.29e-03	-3.89e-03	-7.99e-03
47	44	48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.48e-03	-0.01	-5.31e-03	2.05e-04	7.54e-03
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	8.07e-03	-8.32e-03	-5.21e-04	2.66e-04	-8.19e-03
		55	0.33	0.17	-0.36	-0.05	-0.14	-0.26	8.78e-03	-6.91e-03	2.32e-03	-4.52e-04	7.73e-03
		47	0.22	1.68e-03	-0.27	-0.14	-0.14	-0.14	2.01e-03	-0.01	-9.09e-03	-3.71e-03	-7.98e-03
47	45	48	0.18	-0.19	-0.30	-0.21	-0.28	-0.04	5.33e-03	-0.01	-5.37e-03	4.67e-05	7.52e-03
		56	0.17	-0.10	-0.29	-0.11	-0.29	0.02	8.00e-03	-8.46e-03	-5.87e-04	1.22e-04	-8.22e-03
		55	0.36	0.20	-0.37	-0.04	-0.13	-0.28	8.59e-03	-7.06e-03	2.13e-03	-5.92e-04	7.70e-03
		47	0.24	0.03	-0.29	-0.13	-0.13	-0.16	1.86e-03	-0.02	-9.29e-03	-3.87e-03	-7.99e-03
47	46	48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.50e-03	-0.01	-5.30e-03	2.29e-04	7.55e-03
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	8.10e-03	-8.31e-03	-5.15e-04	3.00e-04	-8.19e-03
		55	0.33	0.17	-0.36	-0.05	-0.14	-0.26	8.80e-03	-6.89e-03	2.33e-03	-4.19e-04	7.72e-03
		47	0.22	1.84e-03	-0.27	-0.13	-0.14	-0.14	2.03e-03	-0.01	-9.09e-03	-3.69e-03	-7.97e-03
47	47	48	0.18	-0.19	-0.30	-0.21	-0.28	-0.04	5.30e-03	-0.01	-5.41e-03	3.13e-05	7.51e-03
		56	0.17	-0.10	-0.29	-0.11	-0.29	0.02	7.97e-03	-8.50e-03	-6.25e-04	8.92e-05	-8.23e-03
		55	0.36	0.20	-0.37	-0.04	-0.13	-0.28	8.56e-03	-7.07e-03	2.12e-03	-6.24e-04	7.70e-03
		47	0.23	0.03	-0.29	-0.13	-0.13	-0.16	1.85e-03	-0.02	-9.30e-03	-3.88e-03	-7.99e-03
47	48	48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.49e-03	-0.01	-5.28e-03	1.97e-04	7.55e-03
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	8.08e-03	-8.31e-03	-4.89e-04	2.67e-04	-8.19e-03
		55	0.34	0.17	-0.36	-0.05	-0.14	-0.26	8.79e-03	-6.91e-03	2.33e-03	-4.51e-04	7.73e-03
		47	0.22	1.96e-03	-0.28	-0.14	-0.14	-0.14	2.01e-03	-0.01	-9.08e-03	-3.72e-03	-7.97e-03
47	49	48	0.18	-0.19	-0.30	-0.21	-0.28	-0.04	5.32e-03	-0.01	-5.40e-03	5.47e-05	7.51e-03
		56	0.17	-0.10	-0.29	-0.11	-0.29	0.02	7.98e-03	-8.48e-03	-6.19e-04	1.21e-04	-8.22e-03
		55	0.36	0.20	-0.37	-0.04	-0.13	-0.28	8.58e-03	-7.05e-03	2.12e-03	-5.93e-04	7.70e-03
		47	0.23	0.03	-0.29	-0.13	-0.13	-0.16	1.87e-03	-0.02	-9.29e-03	-3.86e-03	-8.00e-03
47	50	48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.50e-03	-0.01	-5.27e-03	2.20e-04	7.55e-03
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	8.10e-03	-8.28e-03	-4.83e-04	2.99e-04	-8.18e-03
		55	0.34	0.17	-0.36	-0.05	-0.14	-0.26	8.81e-03	-6.90e-03	2.33e-03	-4.19e-04	7.73e-03
		47	0.22	2.10e-03	-0.28	-0.14	-0.14	-0.14	2.02e-03	-0.01	-9.08e-03	-3.70e-03	-7.97e-03
47	51	48	0.18	-0.19	-0.30	-0.21	-0.28	-0.04	5.31e-03	-0.01	-5.38e-03	2.28e-05	7.52e-03
		56	0.17	-0.10	-0.29	-0.11	-0.29	0.02	7.98e-03	-8.48e-03	-5.93e-04	8.90e-05	-8.22e-03
		55	0.36	0.20	-0.37	-0.04	-0.13	-0.28	8.57e-03	-7.08e-03	2.12e-03	-6.24e-04	7.70e-03
		47	0.24	0.03	-0.29	-0.13	-0.13	-0.16	1.84e-03	-0.02	-9.29e-03	-3.89e-03	-7.99e-03
47	52	48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.49e-03	-0.01	-5.31e-03	2.05e-04	7.55e-03

		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	8.07e-03	-8.33e-03	-5.21e-04	2.67e-04	-8.19e-03
		55	0.33	0.17	-0.36	-0.05	-0.14	-0.26	8.78e-03	-6.91e-03	2.32e-03	-4.51e-04	7.72e-03
		47	0.22	1.69e-03	-0.27	-0.14	-0.14	-0.14	2.01e-03	-0.01	-9.09e-03	-3.71e-03	-7.97e-03
47	53	48	0.18	-0.19	-0.30	-0.21	-0.28	-0.04	5.32e-03	-0.01	-5.37e-03	4.62e-05	7.51e-03
		56	0.17	-0.10	-0.29	-0.11	-0.29	0.02	7.99e-03	-8.46e-03	-5.87e-04	1.21e-04	-8.22e-03
		55	0.36	0.20	-0.37	-0.04	-0.13	-0.28	8.59e-03	-7.06e-03	2.13e-03	-5.93e-04	7.71e-03
		47	0.24	0.03	-0.29	-0.13	-0.13	-0.16	1.86e-03	-0.02	-9.29e-03	-3.87e-03	-7.99e-03
47	54	48	0.17	-0.21	-0.29	-0.21	-0.28	-0.02	5.50e-03	-0.01	-5.30e-03	2.29e-04	7.54e-03
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	8.09e-03	-8.31e-03	-5.15e-04	2.99e-04	-8.19e-03
		55	0.33	0.17	-0.36	-0.05	-0.14	-0.26	8.80e-03	-6.89e-03	2.33e-03	-4.20e-04	7.73e-03
		47	0.22	1.84e-03	-0.27	-0.14	-0.14	-0.14	2.03e-03	-0.01	-9.09e-03	-3.69e-03	-7.98e-03
47	55	48	0.19	-0.17	-0.31	-0.21	-0.27	-0.06	5.09e-03	-0.01	-5.56e-03	-1.54e-04	7.47e-03
		56	0.16	-0.10	-0.28	-0.10	-0.28	-1.97e-03	7.84e-03	-8.73e-03	-7.81e-04	-1.07e-04	-8.27e-03
		55	0.38	0.23	-0.38	-0.03	-0.12	-0.30	8.30e-03	-7.25e-03	1.87e-03	-8.16e-04	7.66e-03
		47	0.26	0.06	-0.30	-0.12	-0.12	-0.18	1.68e-03	-0.02	-9.54e-03	-4.06e-03	-8.02e-03
47	56	48	0.17	-0.21	-0.29	-0.21	-0.29	2.16e-03	5.71e-03	-0.01	-5.71e-03	3.98e-04	7.59e-03
		56	0.20	-0.09	-0.32	-0.11	-0.30	0.06	8.22e-03	-8.07e-03	-3.29e-04	4.85e-04	-8.13e-03
		55	0.31	0.14	-0.35	-0.06	-0.15	-0.24	9.07e-03	-6.72e-03	2.58e-03	-2.37e-04	7.77e-03
		47	0.20	-0.03	-0.26	-0.14	-0.15	-0.12	2.20e-03	-0.01	-8.84e-03	-3.52e-03	-7.94e-03
47	57	48	0.19	-0.17	-0.31	-0.21	-0.27	-0.06	5.09e-03	-0.01	-5.56e-03	-1.46e-04	7.47e-03
		56	0.16	-0.10	-0.28	-0.10	-0.28	-1.97e-03	7.85e-03	-8.72e-03	-7.79e-04	-9.67e-05	-8.28e-03
		55	0.38	0.23	-0.38	-0.03	-0.12	-0.30	8.31e-03	-7.24e-03	1.87e-03	-8.07e-04	7.66e-03
		47	0.26	0.06	-0.30	-0.12	-0.12	-0.18	1.68e-03	-0.02	-9.54e-03	-4.05e-03	-8.02e-03
47	58	48	0.17	-0.21	-0.29	-0.21	-0.29	2.16e-03	5.72e-03	-0.01	-5.12e-03	4.05e-04	7.59e-03
		56	0.20	-0.09	-0.32	-0.11	-0.30	0.06	8.23e-03	-8.06e-03	-3.27e-04	4.95e-04	-8.13e-03
		55	0.31	0.14	-0.35	-0.06	-0.15	-0.24	9.07e-03	-6.72e-03	2.58e-03	-2.27e-04	7.77e-03
		47	0.20	-0.03	-0.26	-0.14	-0.15	-0.12	2.20e-03	-0.01	-8.84e-03	-3.52e-03	-7.94e-03
47	59	48	0.19	-0.17	-0.31	-0.21	-0.27	-0.06	5.09e-03	-0.01	-5.56e-03	-1.53e-04	7.47e-03
		56	0.16	-0.10	-0.28	-0.10	-0.28	-1.97e-03	7.84e-03	-8.73e-03	-7.80e-04	-1.07e-04	-8.28e-03
		55	0.38	0.23	-0.38	-0.03	-0.12	-0.30	8.30e-03	-7.25e-03	1.87e-03	-8.16e-04	7.66e-03
		47	0.26	0.06	-0.30	-0.12	-0.12	-0.18	1.67e-03	-0.02	-9.54e-03	-4.06e-03	-8.02e-03
47	60	48	0.17	-0.21	-0.29	-0.21	-0.29	2.16e-03	5.72e-03	-0.01	-5.12e-03	3.98e-04	7.59e-03
		56	0.20	-0.09	-0.32	-0.11	-0.30	0.06	8.22e-03	-8.07e-03	-3.29e-04	4.85e-04	-8.13e-03
		55	0.31	0.14	-0.35	-0.06	-0.15	-0.24	9.07e-03	-6.72e-03	2.58e-03	-2.37e-04	7.77e-03
		47	0.20	-0.03	-0.26	-0.14	-0.15	-0.12	2.19e-03	-0.01	-8.84e-03	-3.52e-03	-7.94e-03
47	61	48	0.19	-0.17	-0.31	-0.21	-0.27	-0.06	5.09e-03	-0.01	-5.56e-03	-1.46e-04	7.47e-03
		56	0.16	-0.10	-0.28	-0.10	-0.28	-1.97e-03	7.84e-03	-8.72e-03	-7.79e-04	-9.70e-05	-8.27e-03
		55	0.38	0.23	-0.38	-0.03	-0.12	-0.30	8.31e-03	-7.24e-03	1.87e-03	-8.07e-04	7.66e-03
		47	0.26	0.06	-0.30	-0.12	-0.12	-0.18	1.68e-03	-0.02	-9.54e-03	-4.05e-03	-8.02e-03
47	62	48	0.17	-0.21	-0.29	-0.21	-0.29	2.16e-03	5.72e-03	-0.01	-5.12e-03	4.05e-04	7.59e-03
		56	0.20	-0.09	-0.32	-0.11	-0.30	0.06	8.23e-03	-8.06e-03	-3.28e-04	4.94e-04	-8.13e-03
		55	0.31	0.14	-0.35	-0.06	-0.15	-0.24	9.07e-03	-6.72e-03	2.58e-03	-2.28e-04	7.77e-03
		47	0.20	-0.03	-0.26	-0.14	-0.15	-0.12	2.20e-03	-0.01	-8.84e-03	-3.52e-03	-7.94e-03
47	63	48	0.19	-0.17	-0.31	-0.21	-0.27	-0.07	5.11e-03	-0.01	-5.46e-03	-1.82e-04	7.48e-03
		56	0.16	-0.11	-0.28	-0.11	-0.28	-5.50e-03	7.87e-03	-8.65e-03	-6.74e-04	-1.08e-04	-8.25e-03
		55	0.38	0.23	-0.39	-0.04	-0.12	-0.31	8.34e-03	-7.26e-03	1.89e-03	-8.14e-04	7.68e-03
		47	0.26	0.06	-0.31	-0.12	-0.12	-0.18	1.66e-03	-0.02	-9.52e-03	-4.09e-03	-8.01e-03
47	64	48	0.17	-0.21	-0.29	-0.21	-0.29	5.69e-03	5.69e-03	-0.01	-5.22e-03	4.26e-04	7.58e-03
		56	0.20	-0.09	-0.32	-0.11	-0.30	0.07	8.19e-03	-8.14e-03	-4.36e-04	4.85e-04	-8.16e-03
		55	0.31	0.14	-0.34	-0.06	-0.14	-0.24	9.03e-03	-6.71e-03	2.56e-03	-2.39e-04	7.75e-03
		47	0.19	-0.03	-0.25	-0.14	-0.14	-0.11	2.21e-03	-0.01	-8.86e-03	-3.50e-03	-7.95e-03
47	65	48	0.19	-0.17	-0.31	-0.21	-0.27	-0.07	5.12e-03	-0.01	-5.46e-03	-1.75e-04	7.48e-03
		56	0.16	-0.11	-0.28	-0.11	-0.28	-5.50e-03	7.87e-03	-8.64e-03	-6.72e-04	-9.76e-05	-8.25e-03
		55	0.38	0.23	-0.39	-0.04	-0.12	-0.31	8.34e-03	-7.26e-03	1.89e-03	-8.05e-04	7.68e-03
		47	0.26	0.06	-0.31	-0.12	-0.12	-0.18	1.66e-03	-0.02	-9.52e-03	-4.08e-03	-8.01e-03
47	66	48	0.17	-0.21	-0.29	-0.21	-0.29	5.69e-03	5.70e-03	-0.01	-5.22e-03	4.33e-04	7.58e-03
		56	0.20	-0.09	-0.32	-0.11	-0.30	0.07	8.20e-03	-8.14e-03	-4.34e-04	4.95e-04	-8.16e-03
		55	0.31	0.14	-0.34	-0.06	-0.14	-0.24	9.04e-03	-6.71e-03	2.56e-03	-2.29e-04	7.75e-03
		47	0.19	-0.03	-0.25	-0.14	-0.14	-0.11	2.22e-03	-0.01	-8.86e-03	-3.49e-03	-7.95e-03
47	67	48	0.19	-0.17	-0.31	-0.21	-0.27	-0.07	5.11e-03	-0.01	-5.46e-03	-1.82e-04	7.48e-03
		56	0.16	-0.11	-0.28	-0.11	-0.28	-5.50e-03	7.87e-03	-8.65e-03	-6.74e-04	-1.07e-04	-8.25e-03
		55	0.38	0.23	-0.39	-0.04	-0.12	-0.31	8.34e-03	-7.26e-03	1.89e-03	-8.14e-04	7.68e-03
		47	0.26	0.06	-0.31	-0.12	-0.12	-0.18	1.66e-03	-0.02	-9.52e-03	-4.08e-03	-8.01e-03
47	68	48	0.17	-0.21	-0.29	-0.21	-0.29	5.69e-03	5.69e-03	-0.01	-5.22e-03	4.26e-04	7.58e-03
		56	0.20	-0.09	-0.32	-0.11	-0.30	0.07	8.19e-03	-8.14e-03	-4.36e-04	4.86e-04	-8.16e-03
		55	0.31	0.14	-0.34	-0.06	-0.14	-0.24	9.03e-03	-6.71e-03	2.56e-03	-2.39e-04	7.75e-03
		47	0.19	-0.03	-0.25	-0.14	-0.14	-0.11	2.21e-03	-0.01	-8.86e-03	-3.50e-03	-7.95e-03
47	69	48	0.19	-0.17	-0.31	-0.21	-0.27	-0.07	5.11e-03	-0.01	-5.46e-03	-1.75e-04	7.48e-03
		56	0.16	-0.11	-0.28	-0.11	-0.28	-5.50e-03	7.87e-03	-8.64e-03	-6.72e-04	-9.79e-05	-8.25e-03
		55	0.38	0.23	-0.39	-0.04	-0.12	-0.31	8.34e-03	-7.26e-03	1.89e-03	-8.05e-04	7.68e-03
		47	0.26	0.06	-0.31	-0.12	-0.12	-0.18	1.66e-03	-0.02	-9.52e-03	-4.08e-03	-8.01e-03
47	70	48	0.17	-0.21	-0.29	-0.21	-0.29	5.69e-03	5.70e-03	-0.01	-5.22e-03	4.33e-04	7.58e-03
		56	0.20	-0.09	-0.32	-0.11	-0.30	0.07	8.20e-03	-8.14e-03	-4.34e-04	4.95e-04	-8.16e-03
		55	0.31	0.14	-0.34	-0.06	-0.14	-0.24	9.04e-03	-6.71e-03	2.56e-03	-2.30e-04	7.75e-03
		47	0.19	-0.03	-0.25	-0.14	-0.14	-0.11	2.22e-03	-0.01	-8.86e-03	-3.49e-03	-7.95e-03
47	71	48	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03

		55	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		47	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
47	72	48	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		55	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		47	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
47	73	48	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		55	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		47	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
47	74	48	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		55	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		47	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
47	75	48	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		55	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		47	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
47	76	48	0.17	-0.20	-0.29	-0.21	-0.28	-0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	7.53e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	-8.20e-03
		55	0.35	0.19	-0.36	-0.05	-0.13	-0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	7.71e-03
		47	0.23	0.02	-0.28	-0.13	-0.13	-0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	-7.98e-03
48	1	41	0.29	0.02	-0.37	-0.17	-0.17	0.19	2.52e-03	-0.02	-0.01	-4.93e-03	0.01
		49	0.45	0.24	-0.47	-0.06	-0.17	0.35	0.01	-9.08e-03	2.89e-03	-6.79e-04	-0.01
		56	0.23	-0.13	-0.38	-0.14	-0.38	-0.04	0.01	-0.01	-7.20e-04	2.52e-04	0.01
		48	0.22	-0.26	-0.38	-0.27	-0.36	0.04	7.03e-03	-0.01	-6.94e-03	1.63e-04	-9.79e-03
48	2	41	0.29	0.02	-0.37	-0.17	-0.17	0.19	2.52e-03	-0.02	-0.01	-4.93e-03	0.01
		49	0.45	0.24	-0.47	-0.06	-0.17	0.35	0.01	-9.08e-03	2.89e-03	-6.79e-04	-0.01
		56	0.23	-0.13	-0.38	-0.14	-0.38	-0.04	0.01	-0.01	-7.20e-04	2.52e-04	0.01
		48	0.22	-0.26	-0.38	-0.27	-0.36	0.04	7.03e-03	-0.01	-6.94e-03	1.63e-04	-9.79e-03
48	3	41	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		49	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		48	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
48	4	41	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		49	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		48	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
48	5	41	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		49	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		48	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
48	6	41	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		49	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		48	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
48	7	41	20.81	32.12	0.39	4.81	27.70	10.99	0.11	-0.04	0.07	0.01	-0.07
		49	20.97	32.52	0.51	4.90	28.13	-11.01	0.01	-0.16	-0.12	-0.02	0.07
		56	21.10	32.52	0.15	4.78	27.89	11.32	0.01	-0.16	-0.12	-0.03	-0.07
		48	20.61	31.78	0.32	4.61	27.50	-10.79	0.11	-0.04	0.06	5.35e-03	0.07
48	8	41	6.60	2.13	-5.99	2.12	-5.98	-0.30	0.94	0.26	0.26	0.94	-0.05
		49	9.95	4.68	-9.75	0.49	-5.56	6.56	0.79	4.83e-03	0.09	0.70	-0.24
		56	7.38	-3.34	-9.46	-3.72	-9.09	-1.46	-0.12	-0.92	-0.12	-0.92	-3.32e-03
		48	8.24	-4.57	-11.20	-7.31	-8.46	3.27	-0.47	-1.30	-0.50	-1.27	-0.14
48	9	41	22.73	35.09	0.45	5.27	30.27	11.99	0.13	-0.04	0.07	0.01	-0.08
		49	22.93	35.55	0.55	5.36	30.74	-12.05	0.02	-0.17	-0.13	-0.03	0.08
		56	23.07	35.54	0.18	5.23	30.49	12.37	0.01	-0.18	-0.13	-0.03	-0.08
		48	22.53	34.74	0.37	5.05	30.06	-11.79	0.12	-0.04	0.07	5.88e-03	0.08
48	10	41	5.23	2.66	-3.50	2.58	-3.41	0.71	0.95	0.27	0.27	0.94	-0.06
		49	8.15	4.85	-6.86	0.94	-2.95	5.52	0.78	-1.03e-03	0.07	0.70	-0.23
		56	5.69	-3.21	-6.54	-3.27	-6.49	-0.41	-0.14	-0.92	-0.14	-0.92	-0.01
		48	6.72	-4.06	-8.71	-6.87	-5.90	2.27	-0.47	-1.29	-0.49	-1.27	-0.13
48	11	41	20.81	32.12	0.39	4.82	27.70	10.99	0.11	-0.04	0.07	0.01	-0.07
		49	20.97	32.53	0.51	4.91	28.14	-11.02	0.01	-0.16	-0.12	-0.02	0.07
		56	21.10	32.52	0.16	4.78	27.90	11.32	0.01	-0.16	-0.12	-0.03	-0.07
		48	20.62	31.79	0.32	4.61	27.50	-10.80	0.11	-0.04	0.06	5.37e-03	0.07
48	12	41	6.60	2.13	-5.99	2.12	-5.98	-0.29	0.94	0.26	0.26	0.94	-0.05
		49	9.95	4.68	-9.76	0.48	-5.56	6.56	0.79	4.85e-03	0.09	0.70	-0.24
		56	7.38	-3.35	-9.46	-3.72	-9.09	-1.46	-0.12	-0.92	-0.12	-0.92	-3.34e-03
		48	8.24	-4.57	-11.21	-7.31	-8.46	3.27	-0.47	-1.30	-0.50	-1.27	-0.14
48	13	41	22.73	35.09	0.45	5.27	30.27	11.99	0.13	-0.04	0.07	0.01	-0.08
		49	22.93	35.55	0.55	5.36	30.74	-12.05	0.02	-0.17	-0.13	-0.03	0.08
		56	23.07	35.54	0.18	5.23	30.50	12.37	0.01	-0.18	-0.13	-0.03	-0.08
		48	22.53	34.74	0.37	5.05	30.06	-11.79	0.12	-0.04	0.07	5.90e-03	0.08
48	14	41	5.23	2.66	-3.50	2.58	-3.42	0.71	0.95	0.27	0.27	0.94	-0.06
		49	8.15	4.85	-6.86	0.94	-2.96	5.52	0.78	-1.02e-03	0.07	0.70	-0.23
		56	5.69	-3.21	-6.55	-3.27	-6.49	-0.41	-0.14	-0.92	-0.14	-0.92	-0.01

		48	6.72	-4.06	-8.71	-6.87	-5.90	2.27	-0.47	-1.29	-0.49	-1.27	-0.13
48	15	41	20.81	32.12	0.39	4.81	27.70	10.99	0.11	-0.04	0.07	0.01	-0.07
		49	20.97	32.52	0.51	4.90	28.13	-11.01	0.01	-0.16	-0.12	-0.02	0.07
		56	21.10	32.52	0.15	4.78	27.89	11.32	0.01	-0.16	-0.12	-0.03	-0.07
		48	20.61	31.78	0.32	4.61	27.50	-10.79	0.11	-0.04	0.06	5.35e-03	0.07
48	16	41	6.60	2.13	-5.99	2.12	-5.98	-0.30	0.94	0.26	0.26	0.94	-0.05
		49	9.95	4.68	-9.75	0.49	-5.56	6.56	0.79	4.83e-03	0.09	0.70	-0.24
		56	7.38	-3.34	-9.46	-3.72	-9.09	-1.46	-0.12	-0.92	-0.12	-0.92	-3.33e-03
		48	8.24	-4.57	-11.20	-7.31	-8.46	3.27	-0.47	-1.30	-0.50	-1.27	-0.14
48	17	41	22.73	35.09	0.45	5.27	30.27	11.99	0.13	-0.04	0.07	0.01	-0.08
		49	22.93	35.55	0.55	5.36	30.74	-12.05	0.02	-0.17	-0.13	-0.03	0.08
		56	23.07	35.54	0.18	5.23	30.49	12.37	0.01	-0.18	-0.13	-0.03	-0.08
		48	22.53	34.74	0.37	5.05	30.06	-11.79	0.12	-0.04	0.07	5.88e-03	0.08
48	18	41	5.23	2.66	-3.50	2.58	-3.41	0.71	0.95	0.27	0.27	0.94	-0.06
		49	8.15	4.85	-6.86	0.94	-2.95	5.52	0.78	-1.03e-03	0.07	0.70	-0.23
		56	5.69	-3.21	-6.54	-3.27	-6.49	-0.41	-0.14	-0.92	-0.14	-0.92	-0.01
		48	6.72	-4.06	-8.71	-6.87	-5.90	2.27	-0.47	-1.29	-0.49	-1.27	-0.13
48	19	41	20.81	32.12	0.39	4.82	27.70	10.99	0.11	-0.04	0.07	0.01	-0.07
		49	20.97	32.53	0.51	4.91	28.14	-11.02	0.01	-0.16	-0.12	-0.02	0.07
		56	21.10	32.52	0.16	4.78	27.90	11.32	0.01	-0.16	-0.12	-0.03	-0.07
		48	20.62	31.79	0.32	4.61	27.50	-10.80	0.11	-0.04	0.06	5.37e-03	0.07
48	20	41	6.60	2.13	-5.99	2.12	-5.98	-0.29	0.94	0.26	0.26	0.94	-0.05
		49	9.95	4.68	-9.76	0.48	-5.56	6.56	0.79	4.85e-03	0.09	0.70	-0.24
		56	7.38	-3.35	-9.46	-3.72	-9.09	-1.46	-0.12	-0.92	-0.12	-0.92	-3.35e-03
		48	8.24	-4.57	-11.21	-7.31	-8.46	3.27	-0.47	-1.30	-0.50	-1.27	-0.14
48	21	41	22.73	35.09	0.45	5.27	30.27	11.99	0.13	-0.04	0.07	0.01	-0.08
		49	22.93	35.55	0.55	5.36	30.74	-12.05	0.02	-0.17	-0.13	-0.03	0.08
		56	23.07	35.54	0.18	5.23	30.50	12.37	0.01	-0.18	-0.13	-0.03	-0.08
		48	22.53	34.74	0.37	5.05	30.06	-11.79	0.12	-0.04	0.07	5.90e-03	0.08
48	22	41	5.23	2.66	-3.50	2.58	-3.42	0.71	0.95	0.27	0.27	0.94	-0.06
		49	8.15	4.85	-6.86	0.94	-2.96	5.52	0.78	-1.01e-03	0.07	0.70	-0.23
		56	5.69	-3.21	-6.55	-3.27	-6.49	-0.41	-0.14	-0.92	-0.14	-0.92	-0.01
		48	6.72	-4.06	-8.71	-6.87	-5.90	2.27	-0.47	-1.29	-0.49	-1.27	-0.13
48	23	41	79.46	122.90	2.15	18.78	106.27	41.61	0.48	-0.15	0.28	0.05	-0.29
		49	80.89	125.19	1.61	18.88	107.91	-42.85	0.07	-0.63	-0.46	-0.09	0.30
		56	81.16	125.11	0.89	18.56	107.45	43.39	0.06	-0.64	-0.46	-0.12	-0.31
		48	79.21	122.30	1.80	18.20	105.90	-41.33	0.45	-0.17	0.26	0.02	0.28
48	24	41	15.17	10.76	-6.95	9.81	-6.00	3.98	3.18	0.91	0.94	3.15	-0.22
		49	22.98	16.16	-16.39	4.15	-4.38	15.71	2.57	-9.59e-03	0.22	2.34	-0.74
		56	15.56	-9.65	-15.92	-9.74	-15.83	0.77	-0.47	-3.07	-0.47	-3.07	-0.07
		48	19.32	-11.03	-24.45	-21.53	-13.95	5.54	-1.55	-4.30	-1.61	-4.24	-0.41
48	25	41	80.04	123.79	2.17	18.92	107.04	41.91	0.48	-0.15	0.28	0.05	-0.30
		49	81.48	126.09	1.62	19.02	108.70	-43.16	0.08	-0.63	-0.47	-0.09	0.30
		56	81.75	126.02	0.90	18.69	108.23	43.70	0.06	-0.64	-0.46	-0.12	-0.31
		48	79.78	123.19	1.81	18.34	106.66	-41.63	0.45	-0.17	0.26	0.02	0.29
48	26	41	14.91	11.07	-6.36	9.95	-5.23	4.28	3.18	0.91	0.94	3.15	-0.23
		49	22.48	16.24	-15.55	4.29	-3.60	15.40	2.57	-0.01	0.22	2.34	-0.74
		56	15.13	-9.40	-15.26	-9.61	-15.05	1.09	-0.47	-3.07	-0.48	-3.07	-0.07
		48	18.94	-10.63	-23.95	-21.40	-13.18	5.24	-1.55	-4.30	-1.61	-4.24	-0.40
48	27	41	79.46	122.90	2.15	18.78	106.27	41.61	0.48	-0.15	0.28	0.05	-0.29
		49	80.89	125.19	1.61	18.88	107.91	-42.85	0.07	-0.63	-0.46	-0.09	0.30
		56	81.16	125.11	0.89	18.56	107.45	43.39	0.06	-0.64	-0.46	-0.12	-0.31
		48	79.21	122.30	1.80	18.20	105.90	-41.33	0.45	-0.17	0.26	0.02	0.28
48	28	41	15.17	10.76	-6.95	9.81	-6.00	3.98	3.18	0.91	0.94	3.15	-0.22
		49	22.98	16.16	-16.39	4.15	-4.38	15.71	2.57	-9.59e-03	0.22	2.34	-0.74
		56	15.56	-9.65	-15.92	-9.74	-15.83	0.77	-0.47	-3.07	-0.47	-3.07	-0.07
		48	19.32	-11.03	-24.45	-21.53	-13.95	5.54	-1.55	-4.30	-1.61	-4.24	-0.41
48	29	41	80.04	123.79	2.17	18.92	107.04	41.91	0.48	-0.15	0.28	0.05	-0.30
		49	81.48	126.09	1.62	19.02	108.70	-43.16	0.08	-0.63	-0.47	-0.09	0.30
		56	81.75	126.02	0.90	18.69	108.23	43.70	0.06	-0.64	-0.46	-0.12	-0.31
		48	79.78	123.19	1.81	18.34	106.66	-41.63	0.45	-0.17	0.26	0.02	0.29
48	30	41	14.91	11.07	-6.36	9.95	-5.23	4.28	3.18	0.91	0.94	3.15	-0.23
		49	22.48	16.24	-15.55	4.29	-3.60	15.40	2.57	-0.01	0.22	2.34	-0.74
		56	15.13	-9.40	-15.26	-9.61	-15.05	1.09	-0.47	-3.07	-0.48	-3.07	-0.07
		48	18.94	-10.63	-23.95	-21.40	-13.18	5.24	-1.55	-4.30	-1.61	-4.24	-0.40
48	31	41	79.46	122.90	2.17	18.78	106.28	41.60	0.48	-0.15	0.28	0.05	-0.29
		49	80.90	125.21	1.61	18.89	107.93	-42.86	0.07	-0.63	-0.46	-0.09	0.30
		56	81.16	125.12	0.90	18.56	107.46	43.38	0.06	-0.64	-0.46	-0.12	-0.31
		48	79.22	122.32	1.79	18.21	105.90	-41.34	0.45	-0.17	0.26	0.02	0.29
48	32	41	15.18	10.76	-6.96	9.81	-6.01	3.99	3.18	0.91	0.94	3.15	-0.22
		49	23.00	16.16	-16.41	4.15	-4.39	15.72	2.57	-9.53e-03	0.22	2.34	-0.74
		56	15.57	-9.65	-15.94	-9.75	-15.84	0.78	-0.47	-3.07	-0.47	-3.07	-0.07
		48	19.32	-11.03	-24.46	-21.53	-13.96	5.55	-1.55	-4.30	-1.61	-4.24	-0.41
48	33	41	80.03	123.79	2.18	18.92	107.05	41.90	0.48	-0.15	0.28	0.05	-0.30
		49	81.49	126.11	1.62	19.03	108.71	-43.17	0.08	-0.63	-0.47	-0.09	0.30
		56	81.75	126.03	0.91	18.70	108.24	43.69	0.06	-0.64	-0.46	-0.12	-0.31
		48	79.79	123.20	1.81	18.34	106.67	-41.64	0.45	-0.17	0.26	0.02	0.29

48	34	41	14.91	11.07	-6.37	9.94	-5.24	4.29	3.18	0.91	0.94	3.15	-0.23
		49	22.49	16.24	-15.57	4.28	-3.61	15.41	2.57	-0.01	0.22	2.34	-0.74
		56	15.14	-9.40	-15.27	-9.61	-15.06	1.09	-0.47	-3.07	-0.48	-3.07	-0.07
		48	18.94	-10.63	-23.96	-21.40	-13.19	5.25	-1.55	-4.30	-1.61	-4.24	-0.40
48	35	41	79.46	122.90	2.17	18.78	106.28	41.60	0.48	-0.15	0.28	0.05	-0.29
		49	80.90	125.21	1.61	18.89	107.93	-42.86	0.07	-0.63	-0.46	-0.09	0.30
		56	81.16	125.12	0.90	18.56	107.46	43.38	0.06	-0.64	-0.46	-0.12	-0.31
		48	79.22	122.32	1.79	18.21	105.90	-41.34	0.45	-0.17	0.26	0.02	0.29
48	36	41	15.18	10.76	-6.96	9.81	-6.01	3.99	3.18	0.91	0.94	3.15	-0.22
		49	23.00	16.16	-16.41	4.15	-4.39	15.72	2.57	-9.53e-03	0.22	2.34	-0.74
		56	15.57	-9.65	-15.94	-9.75	-15.84	0.78	-0.47	-3.07	-0.47	-3.07	-0.07
		48	19.32	-11.03	-24.46	-21.53	-13.96	5.55	-1.55	-4.30	-1.61	-4.24	-0.41
48	37	41	80.03	123.79	2.18	18.92	107.05	41.90	0.48	-0.15	0.28	0.05	-0.30
		49	81.49	126.11	1.62	19.03	108.71	-43.17	0.08	-0.63	-0.47	-0.09	0.30
		56	81.75	126.03	0.91	18.70	108.24	43.69	0.06	-0.64	-0.46	-0.12	-0.31
		48	79.79	123.20	1.81	18.34	106.67	-41.64	0.45	-0.17	0.26	0.02	0.29
48	38	41	14.91	11.07	-6.37	9.94	-5.24	4.29	3.18	0.91	0.94	3.15	-0.23
		49	22.49	16.24	-15.57	4.28	-3.61	15.41	2.57	-0.01	0.22	2.34	-0.74
		56	15.14	-9.40	-15.27	-9.61	-15.06	1.09	-0.47	-3.07	-0.48	-3.07	-0.07
		48	18.94	-10.63	-23.96	-21.40	-13.19	5.25	-1.55	-4.30	-1.61	-4.24	-0.40
48	39	41	0.22	1.96e-03	-0.28	-0.14	-0.14	0.14	2.01e-03	-0.01	-9.08e-03	-3.72e-03	7.97e-03
		49	0.34	0.17	-0.36	-0.05	-0.14	0.26	8.80e-03	-6.91e-03	2.34e-03	-4.52e-04	-7.73e-03
		56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	8.08e-03	-8.31e-03	-4.96e-04	2.66e-04	8.19e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.49e-03	-0.01	-5.28e-03	1.96e-04	-7.55e-03
48	40	41	0.23	0.03	-0.29	-0.13	-0.13	0.16	1.85e-03	-0.02	-9.30e-03	-3.88e-03	7.99e-03
		49	0.36	0.20	-0.37	-0.04	-0.13	0.28	8.56e-03	-7.07e-03	2.11e-03	-6.26e-04	-7.70e-03
		56	0.17	-0.10	-0.29	-0.11	-0.29	-0.02	7.97e-03	-8.50e-03	-6.19e-04	8.80e-05	8.23e-03
		48	0.18	-0.19	-0.30	-0.21	-0.28	0.04	5.30e-03	-0.01	-5.40e-03	3.03e-05	-7.51e-03
48	41	41	0.22	2.11e-03	-0.28	-0.14	-0.14	0.14	2.03e-03	-0.01	-9.08e-03	-3.70e-03	7.97e-03
		49	0.34	0.17	-0.36	-0.05	-0.14	0.26	8.81e-03	-6.89e-03	2.34e-03	-4.18e-04	-7.73e-03
		56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	8.09e-03	-8.28e-03	-4.89e-04	3.00e-04	8.18e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.50e-03	-0.01	-5.28e-03	2.21e-04	-7.55e-03
48	42	41	0.23	0.03	-0.29	-0.13	-0.13	0.16	1.87e-03	-0.02	-9.30e-03	-3.86e-03	7.99e-03
		49	0.36	0.20	-0.37	-0.04	-0.13	0.28	8.58e-03	-7.06e-03	2.11e-03	-5.92e-04	-7.70e-03
		56	0.17	-0.10	-0.29	-0.11	-0.29	-0.02	7.99e-03	-8.48e-03	-6.12e-04	1.22e-04	8.22e-03
		48	0.18	-0.19	-0.30	-0.21	-0.28	0.04	5.32e-03	-0.01	-5.40e-03	5.53e-05	-7.51e-03
48	43	41	0.22	1.69e-03	-0.27	-0.14	-0.14	0.14	2.01e-03	-0.01	-9.09e-03	-3.71e-03	7.97e-03
		49	0.33	0.17	-0.36	-0.05	-0.14	0.26	8.78e-03	-6.91e-03	2.32e-03	-4.52e-04	-7.72e-03
		56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	8.08e-03	-8.33e-03	-5.20e-04	2.66e-04	8.19e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.48e-03	-0.01	-5.31e-03	2.04e-04	-7.55e-03
48	44	41	0.24	0.03	-0.29	-0.13	-0.13	0.16	1.84e-03	-0.02	-9.29e-03	-3.89e-03	7.99e-03
		49	0.36	0.20	-0.37	-0.04	-0.13	0.28	8.57e-03	-7.08e-03	2.12e-03	-6.25e-04	-7.70e-03
		56	0.17	-0.10	-0.29	-0.11	-0.29	-0.02	7.98e-03	-8.48e-03	-5.94e-04	8.79e-05	8.22e-03
		48	0.18	-0.19	-0.30	-0.21	-0.28	0.04	5.31e-03	-0.01	-5.38e-03	2.21e-05	-7.52e-03
48	45	41	0.22	1.84e-03	-0.27	-0.13	-0.14	0.14	2.03e-03	-0.01	-9.09e-03	-3.69e-03	7.98e-03
		49	0.33	0.17	-0.36	-0.05	-0.14	0.26	8.80e-03	-6.89e-03	2.33e-03	-4.19e-04	-7.73e-03
		56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	8.09e-03	-8.30e-03	-5.14e-04	3.00e-04	8.19e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.50e-03	-0.01	-5.30e-03	2.29e-04	-7.54e-03
48	46	41	0.24	0.03	-0.29	-0.13	-0.13	0.16	1.86e-03	-0.02	-9.29e-03	-3.87e-03	7.99e-03
		49	0.36	0.20	-0.37	-0.04	-0.13	0.28	8.59e-03	-7.06e-03	2.13e-03	-5.92e-04	-7.71e-03
		56	0.17	-0.10	-0.29	-0.11	-0.29	-0.02	7.99e-03	-8.46e-03	-5.88e-04	1.22e-04	8.22e-03
		48	0.18	-0.19	-0.30	-0.21	-0.28	0.04	5.32e-03	-0.01	-5.37e-03	4.70e-05	-7.51e-03
48	47	41	0.22	1.96e-03	-0.28	-0.14	-0.14	0.14	2.01e-03	-0.01	-9.08e-03	-3.72e-03	7.97e-03
		49	0.34	0.17	-0.36	-0.05	-0.14	0.26	8.80e-03	-6.91e-03	2.34e-03	-4.52e-04	-7.73e-03
		56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	8.08e-03	-8.30e-03	-4.96e-04	2.67e-04	8.18e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.49e-03	-0.01	-5.28e-03	1.97e-04	-7.55e-03
48	48	41	0.23	0.03	-0.29	-0.13	-0.13	0.16	1.85e-03	-0.02	-9.30e-03	-3.88e-03	7.99e-03
		49	0.36	0.20	-0.37	-0.04	-0.13	0.28	8.56e-03	-7.07e-03	2.11e-03	-6.24e-04	-7.70e-03
		56	0.17	-0.10	-0.29	-0.11	-0.29	-0.02	7.97e-03	-8.50e-03	-6.18e-04	8.96e-05	8.22e-03
		48	0.18	-0.19	-0.30	-0.21	-0.28	0.04	5.30e-03	-0.01	-5.40e-03	3.15e-05	-7.51e-03
48	49	41	0.22	2.11e-03	-0.28	-0.14	-0.14	0.14	2.02e-03	-0.01	-9.08e-03	-3.70e-03	7.97e-03
		49	0.34	0.17	-0.36	-0.05	-0.14	0.26	8.81e-03	-6.89e-03	2.34e-03	-4.20e-04	-7.73e-03
		56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	8.10e-03	-8.29e-03	-4.90e-04	2.98e-04	8.19e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.51e-03	-0.01	-5.28e-03	2.20e-04	-7.55e-03
48	50	41	0.23	0.03	-0.29	-0.13	-0.13	0.16	1.86e-03	-0.02	-9.30e-03	-3.86e-03	7.99e-03
		49	0.36	0.20	-0.37	-0.04	-0.13	0.28	8.58e-03	-7.05e-03	2.11e-03	-5.94e-04	-7.70e-03
		56	0.17	-0.10	-0.29	-0.11	-0.29	-0.02	7.99e-03	-8.48e-03	-6.12e-04	1.21e-04	8.23e-03
		48	0.18	-0.19	-0.30	-0.21	-0.28	0.04	5.32e-03	-0.01	-5.40e-03	5.41e-05	-7.51e-03
48	51	41	0.22	1.69e-03	-0.27	-0.14	-0.14	0.14	2.02e-03	-0.01	-9.09e-03	-3.71e-03	7.98e-03
		49	0.33	0.17	-0.36	-0.05	-0.14	0.26	8.78e-03	-6.91e-03	2.32e-03	-4.51e-04	-7.72e-03
		56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	8.07e-03	-8.32e-03	-5.20e-04	2.67e-04	8.19e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.48e-03	-0.01	-5.31e-03	2.05e-04	-7.54e-03
48	52	41	0.24	0.03	-0.29	-0.13	-0.13	0.16	1.85e-03	-0.02	-9.29e-03	-3.89e-03	7.99e-03
		49	0.36	0.20	-0.37	-0.04	-0.13	0.28	8.58e-03	-7.08e-03	2.12e-03	-6.23e-04	-7.71e-03
		56	0.17	-0.10	-0.29	-0.11	-0.29	-0.02	7.97e-03	-8.48e-03	-5.94e-04	8.95e-05	8.22e-03
		48	0.18	-0.19	-0.30	-0.21	-0.28	0.04	5.31e-03	-0.01	-5.38e-03	2.32e-05	-7.51e-03
48	53	41	0.22	1.84e-03	-0.27	-0.14	-0.14	0.14	2.03e-03	-0.01	-9.09e-03	-3.69e-03	7.97e-03

		49	0.33	0.17	-0.36	-0.05	-0.14	0.26	8.80e-03	-6.89e-03	2.33e-03	-4.21e-04	-7.72e-03
		56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	8.09e-03	-8.31e-03	-5.14e-04	2.98e-04	8.19e-03
		48	0.17	-0.21	-0.29	-0.21	-0.28	0.02	5.50e-03	-0.01	-5.30e-03	2.28e-04	-7.55e-03
48	54	41	0.24	0.03	-0.29	-0.13	-0.13	0.16	1.86e-03	-0.02	-9.29e-03	-3.87e-03	7.99e-03
		49	0.36	0.20	-0.37	-0.04	-0.13	0.28	8.59e-03	-7.06e-03	2.13e-03	-5.93e-04	-7.70e-03
		56	0.17	-0.10	-0.29	-0.11	-0.29	-0.02	8.00e-03	-8.46e-03	-5.88e-04	1.20e-04	8.22e-03
		48	0.18	-0.19	-0.30	-0.21	-0.28	0.04	5.33e-03	-0.01	-5.37e-03	4.59e-05	-7.52e-03
48	55	41	0.20	-0.03	-0.26	-0.14	-0.15	0.12	2.20e-03	-0.01	-8.82e-03	-3.52e-03	7.95e-03
		49	0.31	0.14	-0.35	-0.06	-0.15	0.24	9.08e-03	-6.72e-03	2.60e-03	-2.37e-04	-7.77e-03
		56	0.20	-0.09	-0.32	-0.11	-0.30	-0.06	8.21e-03	-8.08e-03	-3.50e-04	4.85e-04	8.13e-03
		48	0.17	-0.21	-0.29	-0.21	-0.29	-2.18e-03	5.71e-03	-0.01	-5.14e-03	3.98e-04	-7.59e-03
48	56	41	0.26	0.06	-0.30	-0.12	-0.12	0.18	1.67e-03	-0.02	-9.56e-03	-4.06e-03	8.02e-03
		49	0.38	0.23	-0.38	-0.03	-0.12	0.30	8.29e-03	-7.26e-03	1.85e-03	-8.17e-04	-7.66e-03
		56	0.16	-0.10	-0.28	-0.10	-0.28	1.99e-03	7.85e-03	-8.72e-03	-7.60e-04	-1.07e-04	8.28e-03
		48	0.19	-0.17	-0.31	-0.21	-0.27	0.06	5.09e-03	-0.01	-5.54e-03	-1.54e-04	-7.47e-03
48	57	41	0.20	-0.03	-0.26	-0.14	-0.15	0.12	2.21e-03	-0.01	-8.82e-03	-3.52e-03	7.95e-03
		49	0.31	0.14	-0.35	-0.06	-0.15	0.24	9.08e-03	-6.71e-03	2.60e-03	-2.27e-04	-7.77e-03
		56	0.20	-0.09	-0.32	-0.11	-0.30	-0.06	8.22e-03	-8.07e-03	-3.48e-04	4.95e-04	8.13e-03
		48	0.17	-0.21	-0.29	-0.21	-0.29	-2.18e-03	5.71e-03	-0.01	-5.14e-03	4.06e-04	-7.59e-03
48	58	41	0.26	0.06	-0.30	-0.12	-0.12	0.18	1.67e-03	-0.02	-9.56e-03	-4.06e-03	8.02e-03
		49	0.38	0.23	-0.38	-0.03	-0.12	0.30	8.30e-03	-7.25e-03	1.85e-03	-8.07e-04	-7.66e-03
		56	0.16	-0.10	-0.28	-0.10	-0.28	1.99e-03	7.86e-03	-8.71e-03	-7.58e-04	-9.70e-05	8.28e-03
		48	0.19	-0.17	-0.31	-0.21	-0.27	0.06	5.10e-03	-0.01	-5.54e-03	-1.47e-04	-7.47e-03
48	59	41	0.20	-0.03	-0.26	-0.14	-0.15	0.12	2.20e-03	-0.01	-8.82e-03	-3.52e-03	7.95e-03
		49	0.31	0.14	-0.35	-0.06	-0.15	0.24	9.08e-03	-6.72e-03	2.60e-03	-2.37e-04	-7.77e-03
		56	0.20	-0.09	-0.32	-0.11	-0.30	-0.06	8.21e-03	-8.07e-03	-3.50e-04	4.85e-04	8.13e-03
		48	0.17	-0.21	-0.29	-0.21	-0.29	-2.18e-03	5.71e-03	-0.01	-5.14e-03	3.98e-04	-7.59e-03
48	60	41	0.26	0.06	-0.30	-0.12	-0.12	0.18	1.67e-03	-0.02	-9.56e-03	-4.06e-03	8.02e-03
		49	0.38	0.23	-0.38	-0.03	-0.12	0.30	8.29e-03	-7.26e-03	1.85e-03	-8.16e-04	-7.66e-03
		56	0.16	-0.10	-0.28	-0.10	-0.28	1.99e-03	7.85e-03	-8.72e-03	-7.60e-04	-1.07e-04	8.28e-03
		48	0.19	-0.17	-0.31	-0.21	-0.27	0.06	5.09e-03	-0.01	-5.54e-03	-1.54e-04	-7.47e-03
48	61	41	0.20	-0.03	-0.26	-0.14	-0.15	0.12	2.21e-03	-0.01	-8.82e-03	-3.52e-03	7.95e-03
		49	0.31	0.14	-0.35	-0.06	-0.15	0.24	9.08e-03	-6.71e-03	2.60e-03	-2.28e-04	-7.77e-03
		56	0.20	-0.09	-0.32	-0.11	-0.30	-0.06	8.22e-03	-8.07e-03	-3.48e-04	4.95e-04	8.13e-03
		48	0.17	-0.21	-0.29	-0.21	-0.29	-2.18e-03	5.71e-03	-0.01	-5.14e-03	4.05e-04	-7.59e-03
48	62	41	0.26	0.06	-0.30	-0.12	-0.12	0.18	1.67e-03	-0.02	-9.56e-03	-4.05e-03	8.02e-03
		49	0.38	0.23	-0.38	-0.03	-0.12	0.30	8.30e-03	-7.25e-03	1.85e-03	-8.07e-04	-7.66e-03
		56	0.16	-0.10	-0.28	-0.10	-0.28	1.99e-03	7.86e-03	-8.71e-03	-7.58e-04	-9.75e-05	8.28e-03
		48	0.19	-0.17	-0.31	-0.21	-0.27	0.06	5.10e-03	-0.01	-5.54e-03	-1.47e-04	-7.47e-03
48	63	41	0.19	-0.03	-0.25	-0.14	-0.14	0.11	2.21e-03	-0.01	-8.86e-03	-3.50e-03	7.95e-03
		49	0.31	0.14	-0.34	-0.06	-0.14	0.24	9.03e-03	-6.71e-03	2.56e-03	-2.39e-04	-7.75e-03
		56	0.20	-0.09	-0.32	-0.11	-0.30	-0.07	8.20e-03	-8.14e-03	-4.31e-04	4.85e-04	8.16e-03
		48	0.17	-0.21	-0.29	-0.21	-0.29	-5.67e-03	5.70e-03	-0.01	-5.22e-03	4.26e-04	-7.58e-03
48	64	41	0.26	0.06	-0.31	-0.12	-0.12	0.18	1.66e-03	-0.02	-9.52e-03	-4.09e-03	8.01e-03
		49	0.38	0.23	-0.39	-0.04	-0.12	0.31	8.34e-03	-7.26e-03	1.89e-03	-8.15e-04	-7.68e-03
		56	0.16	-0.11	-0.28	-0.11	-0.28	5.49e-03	7.87e-03	-8.65e-03	-6.79e-04	-1.08e-04	8.25e-03
		48	0.19	-0.17	-0.31	-0.21	-0.27	0.07	5.11e-03	-0.01	-5.46e-03	-1.82e-04	-7.48e-03
48	65	41	0.19	-0.03	-0.25	-0.14	-0.14	0.11	2.22e-03	-0.01	-8.86e-03	-3.49e-03	7.95e-03
		49	0.31	0.14	-0.34	-0.06	-0.14	0.24	9.04e-03	-6.71e-03	2.56e-03	-2.29e-04	-7.75e-03
		56	0.20	-0.09	-0.32	-0.11	-0.30	-0.07	8.20e-03	-8.14e-03	-4.29e-04	4.95e-04	8.16e-03
		48	0.17	-0.21	-0.29	-0.21	-0.29	-5.67e-03	5.70e-03	-0.01	-5.22e-03	4.33e-04	-7.58e-03
48	66	41	0.26	0.06	-0.31	-0.12	-0.12	0.18	1.66e-03	-0.02	-9.52e-03	-4.08e-03	8.01e-03
		49	0.38	0.23	-0.39	-0.04	-0.12	0.31	8.34e-03	-7.26e-03	1.89e-03	-8.05e-04	-7.68e-03
		56	0.16	-0.11	-0.28	-0.11	-0.28	5.49e-03	7.87e-03	-8.64e-03	-6.77e-04	-1.73e-05	8.25e-03
		48	0.19	-0.17	-0.31	-0.21	-0.27	0.07	5.11e-03	-0.01	-5.46e-03	-1.74e-04	-7.48e-03
48	67	41	0.19	-0.03	-0.25	-0.14	-0.14	0.11	2.21e-03	-0.01	-8.86e-03	-3.50e-03	7.95e-03
		49	0.31	0.14	-0.34	-0.06	-0.14	0.24	9.03e-03	-6.71e-03	2.56e-03	-2.39e-04	-7.75e-03
		56	0.20	-0.09	-0.32	-0.11	-0.30	-0.07	8.20e-03	-8.14e-03	-4.31e-04	4.86e-04	8.16e-03
		48	0.17	-0.21	-0.29	-0.21	-0.29	-5.67e-03	5.69e-03	-0.01	-5.22e-03	4.26e-04	-7.58e-03
48	68	41	0.26	0.06	-0.31	-0.12	-0.12	0.18	1.66e-03	-0.02	-9.52e-03	-4.09e-03	8.01e-03
		49	0.38	0.23	-0.39	-0.04	-0.12	0.31	8.34e-03	-7.26e-03	1.89e-03	-8.14e-04	-7.68e-03
		56	0.16	-0.11	-0.28	-0.11	-0.28	5.49e-03	7.86e-03	-8.65e-03	-6.79e-04	-1.07e-04	8.25e-03
		48	0.19	-0.17	-0.31	-0.21	-0.27	0.07	5.11e-03	-0.01	-5.46e-03	-1.81e-04	-7.48e-03
48	69	41	0.19	-0.03	-0.25	-0.14	-0.14	0.11	2.22e-03	-0.01	-8.86e-03	-3.49e-03	7.95e-03
		49	0.31	0.14	-0.34	-0.06	-0.14	0.24	9.03e-03	-6.71e-03	2.56e-03	-2.30e-04	-7.75e-03
		56	0.20	-0.09	-0.32	-0.11	-0.30	-0.07	8.20e-03	-8.14e-03	-4.29e-04	4.95e-04	8.16e-03
		48	0.17	-0.21	-0.29	-0.21	-0.29	-5.67e-03	5.70e-03	-0.01	-5.22e-03	4.33e-04	-7.58e-03
48	70	41	0.26	0.06	-0.31	-0.12	-0.12	0.18	1.66e-03	-0.02	-9.52e-03	-4.08e-03	8.01e-03
		49	0.38	0.23	-0.39	-0.04	-0.12	0.31	8.34e-03	-7.25e-03	1.89e-03	-8.05e-04	-7.68e-03
		56	0.16	-0.11	-0.28	-0.11	-0.28	5.49e-03	7.87e-03	-8.65e-03	-6.77e-04	-9.78e-05	8.25e-03
		48	0.19	-0.17	-0.31	-0.21	-0.27	0.07	5.11e-03	-0.01	-5.46e-03	-1.75e-04	-7.48e-03
48	71	41	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		49	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		48	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
48	72	41	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		49	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03

		56	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		48	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
48	73	41	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		49	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		48	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
48	74	41	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		49	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		48	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
48	75	41	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		49	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		48	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
48	76	41	0.23	0.02	-0.28	-0.13	-0.13	0.15	1.94e-03	-0.01	-9.19e-03	-3.79e-03	7.98e-03
		49	0.35	0.19	-0.36	-0.05	-0.13	0.27	8.69e-03	-6.98e-03	2.23e-03	-5.22e-04	-7.71e-03
		56	0.18	-0.10	-0.29	-0.11	-0.29	-0.03	8.03e-03	-8.39e-03	-5.54e-04	1.94e-04	8.20e-03
		48	0.17	-0.20	-0.29	-0.21	-0.28	0.03	5.40e-03	-0.01	-5.34e-03	1.26e-04	-7.53e-03
49	1	50	0.68	0.69	-0.49	0.06	0.14	0.59	-2.77e-03	-0.01	-0.01	-6.33e-03	5.16e-03
		58	0.84	0.81	-0.64	0.05	0.12	0.73	0.02	1.91e-04	5.92e-03	9.52e-03	-7.31e-03
		57	0.63	0.39	-0.66	0.04	-0.31	0.49	1.07e-03	-0.01	-3.49e-03	-9.06e-03	6.80e-03
49	2	49	0.57	0.21	-0.72	-0.15	-0.37	0.45	4.63e-03	-7.31e-03	-4.15e-03	1.47e-03	-5.26e-03
		50	0.68	0.69	-0.49	0.06	0.14	0.59	-2.77e-03	-0.01	-0.01	-6.33e-03	5.16e-03
		58	0.84	0.81	-0.64	0.05	0.12	0.73	0.02	1.91e-04	5.92e-03	9.52e-03	-7.31e-03
		57	0.63	0.39	-0.66	0.04	-0.31	0.49	1.07e-03	-0.01	-3.49e-03	-9.06e-03	6.80e-03
49	3	49	0.57	0.21	-0.72	-0.15	-0.37	0.45	4.63e-03	-7.31e-03	-4.15e-03	1.47e-03	-5.26e-03
		50	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		57	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
49	4	49	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		50	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		57	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
49	5	49	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		50	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		57	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
49	6	49	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		50	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		57	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
49	7	49	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
		50	21.43	33.14	0.70	5.05	28.79	11.06	0.31	0.04	0.29	0.06	-0.07
		58	21.73	33.26	-0.70	4.92	27.64	-12.62	-0.05	-0.35	-0.34	-0.05	0.03
		57	22.37	33.77	-1.56	4.97	27.24	13.71	-0.07	-0.34	-0.33	-0.08	-0.04
49	8	49	20.65	32.10	1.03	4.80	28.33	-10.15	0.29	0.04	0.28	0.06	0.07
		50	3.42	-0.11	-4.95	-0.80	-4.26	-1.69	-0.02	-0.36	-0.09	-0.29	0.14
		58	5.09	0.88	-6.10	-0.62	-4.59	2.87	0.24	-0.19	0.12	-0.07	0.20
		57	3.58	-3.00	-5.53	-3.09	-5.44	0.49	0.22	-0.07	-0.04	0.19	-0.09
49	9	49	7.06	2.04	-8.24	-0.48	-5.72	4.42	0.66	0.22	0.22	0.66	-0.02
		50	23.37	36.16	0.79	5.51	31.43	12.04	0.34	0.05	0.32	0.07	-0.08
		58	23.77	36.36	-0.81	5.36	30.18	-13.83	-0.06	-0.38	-0.37	-0.06	0.04
		57	24.41	36.88	-1.68	5.42	29.77	14.94	-0.08	-0.37	-0.36	-0.09	-0.04
49	10	49	22.58	35.11	1.12	5.26	30.97	-11.11	0.32	0.04	0.30	0.06	0.07
		50	1.61	-0.02	-1.93	-0.33	-1.62	-0.71	-2.86e-03	-0.35	-0.07	-0.28	0.13
		58	3.13	0.79	-3.02	-0.17	-2.05	1.66	0.22	-0.21	0.09	-0.07	0.20
		57	3.12	-1.05	-4.49	-2.64	-2.90	1.72	0.22	-0.10	-0.07	0.18	-0.10
49	11	49	5.16	2.23	-5.33	-0.03	-3.08	3.46	0.67	0.24	0.24	0.67	-9.17e-03
		50	21.43	33.15	0.70	5.05	28.80	11.06	0.31	0.04	0.29	0.06	-0.07
		58	21.73	33.26	-0.70	4.92	27.65	-12.62	-0.05	-0.35	-0.34	-0.05	0.03
		57	22.37	33.78	-1.56	4.97	27.25	13.72	-0.07	-0.34	-0.33	-0.08	-0.04
49	12	49	20.65	32.11	1.03	4.81	28.34	-10.15	0.29	0.04	0.28	0.06	0.07
		50	3.42	-0.11	-4.96	-0.80	-4.27	-1.69	-0.02	-0.36	-0.09	-0.29	0.14
		58	5.09	0.88	-6.10	-0.63	-4.60	2.87	0.24	-0.19	0.12	-0.07	0.20
		57	3.58	-3.00	-5.54	-3.10	-5.44	0.49	0.22	-0.07	-0.04	0.19	-0.09
49	13	49	7.06	2.04	-8.24	-0.48	-5.73	4.42	0.66	0.22	0.22	0.66	-0.02
		50	23.38	36.17	0.79	5.52	31.44	12.04	0.34	0.05	0.32	0.07	-0.08
		58	23.77	36.36	-0.80	5.37	30.19	-13.83	-0.06	-0.38	-0.37	-0.06	0.04
		57	24.42	36.88	-1.67	5.43	29.78	14.95	-0.08	-0.37	-0.36	-0.09	-0.04
49	14	49	22.59	35.11	1.12	5.26	30.98	-11.11	0.32	0.04	0.30	0.06	0.07
		50	1.61	-0.02	-1.94	-0.34	-1.62	-0.71	-3.49e-03	-0.35	-0.07	-0.28	0.13
		58	3.13	0.79	-3.02	-0.18	-2.06	1.66	0.22	-0.21	0.08	-0.07	0.20
		57	3.12	-1.05	-4.50	-2.64	-2.91	1.72	0.22	-0.10	-0.07	0.18	-0.10
49	15	49	5.17	2.22	-5.34	-0.03	-3.09	3.46	0.67	0.24	0.24	0.67	-9.17e-03
		50	21.43	33.14	0.70	5.05	28.79	11.06	0.31	0.04	0.29	0.06	-0.07
		58	21.73	33.26	-0.70	4.92	27.64	-12.62	-0.05	-0.35	-0.34	-0.05	0.03
		57	22.37	33.77	-1.56	4.97	27.24	13.71	-0.07	-0.34	-0.33	-0.08	-0.04

		49	20.65	32.10	1.03	4.80	28.33	-10.15	0.29	0.04	0.28	0.06	0.07
49	16	50	3.42	-0.11	-4.95	-0.80	-4.26	-1.69	-0.02	-0.36	-0.09	-0.29	0.14
		58	5.09	0.88	-6.10	-0.62	-4.59	2.87	0.24	-0.19	0.12	-0.07	0.20
		57	3.58	-3.00	-5.53	-3.09	-5.44	0.49	0.22	-0.07	-0.04	0.19	-0.09
		49	7.06	2.04	-8.24	-0.48	-5.72	4.42	0.66	0.22	0.22	0.66	-0.02
49	17	50	23.37	36.16	0.79	5.51	31.43	12.04	0.34	0.05	0.32	0.07	-0.08
		58	23.77	36.36	-0.81	5.36	30.18	-13.83	-0.06	-0.38	-0.37	-0.06	0.04
		57	24.41	36.88	-1.68	5.42	29.77	14.94	-0.08	-0.37	-0.36	-0.09	-0.04
		49	22.58	35.11	1.12	5.26	30.97	-11.11	0.32	0.04	0.30	0.06	0.07
49	18	50	1.61	-0.02	-1.93	-0.33	-1.62	-0.71	-2.85e-03	-0.35	-0.07	-0.28	0.13
		58	3.13	0.79	-3.02	-0.17	-2.05	1.66	0.22	-0.21	0.09	-0.07	0.20
		57	3.12	-1.05	-4.49	-2.64	-2.90	1.72	0.22	-0.10	-0.07	0.18	-0.10
		49	5.16	2.23	-5.33	-0.03	-3.08	3.46	0.67	0.24	0.24	0.67	-9.17e-03
49	19	50	21.43	33.15	0.70	5.05	28.80	11.06	0.31	0.04	0.29	0.06	-0.07
		58	21.73	33.26	-0.70	4.92	27.65	-12.62	-0.05	-0.35	-0.34	-0.05	0.03
		57	22.37	33.78	-1.56	4.97	27.25	13.72	-0.07	-0.34	-0.33	-0.08	-0.04
		49	20.65	32.11	1.03	4.81	28.34	-10.15	0.29	0.04	0.28	0.06	0.07
49	20	50	3.42	-0.11	-4.96	-0.80	-4.27	-1.69	-0.02	-0.36	-0.09	-0.29	0.14
		58	5.09	0.88	-6.10	-0.63	-4.60	2.87	0.24	-0.19	0.12	-0.07	0.20
		57	3.58	-3.00	-5.54	-3.10	-5.44	0.49	0.22	-0.07	-0.04	0.19	-0.09
		49	7.06	2.04	-8.24	-0.48	-5.73	4.42	0.66	0.22	0.22	0.66	-0.02
49	21	50	23.38	36.17	0.79	5.52	31.44	12.04	0.34	0.05	0.32	0.07	-0.08
		58	23.77	36.36	-0.80	5.37	30.19	-13.83	-0.06	-0.38	-0.37	-0.06	0.04
		57	24.42	36.88	-1.67	5.43	29.78	14.95	-0.08	-0.37	-0.36	-0.09	-0.04
		49	22.59	35.11	1.12	5.26	30.98	-11.11	0.32	0.04	0.30	0.06	0.07
49	22	50	1.61	-0.02	-1.94	-0.34	-1.62	-0.71	-3.48e-03	-0.35	-0.07	-0.28	0.13
		58	3.13	0.79	-3.02	-0.18	-2.06	1.66	0.22	-0.21	0.08	-0.07	0.20
		57	3.12	-1.05	-4.50	-2.64	-2.91	1.72	0.22	-0.10	-0.07	0.18	-0.10
		49	5.17	2.22	-5.34	-0.03	-3.09	3.46	0.67	0.24	0.24	0.67	-9.17e-03
49	23	50	80.98	125.56	3.37	19.16	109.76	41.00	1.22	0.18	1.13	0.26	-0.28
		58	84.04	128.09	-3.99	18.67	105.42	-49.80	-0.21	-1.34	-1.32	-0.23	0.15
		57	85.01	128.81	-5.09	18.91	104.81	51.36	-0.26	-1.29	-1.26	-0.28	-0.16
		49	79.94	124.10	3.69	18.69	109.10	-39.76	1.14	0.13	1.07	0.21	0.26
49	24	50	3.99	1.13	-1.86	-0.32	-0.41	-1.50	0.04	-1.10	-0.14	-0.92	0.42
		58	5.55	1.24	-3.07	0.21	-2.04	1.83	0.69	-0.75	0.21	-0.27	0.68
		57	10.56	1.48	-13.55	-7.96	-4.12	7.27	0.73	-0.39	-0.27	0.61	-0.35
		49	12.57	7.57	-10.89	1.07	-4.39	8.81	2.23	0.87	0.87	2.23	-8.40e-03
49	25	50	81.56	126.46	3.39	19.30	110.55	41.29	1.23	0.18	1.14	0.26	-0.28
		58	84.65	129.01	-4.03	18.81	106.18	-50.16	-0.21	-1.35	-1.33	-0.23	0.15
		57	85.63	129.74	-5.13	19.05	105.57	51.73	-0.26	-1.30	-1.27	-0.28	-0.16
		49	80.52	125.00	3.72	18.82	109.89	-40.05	1.15	0.13	1.07	0.21	0.26
49	26	50	3.97	1.34	-1.13	-0.18	0.39	-1.20	0.04	-1.10	-0.14	-0.92	0.42
		58	5.01	1.21	-2.15	0.35	-1.28	1.47	0.69	-0.76	0.20	-0.27	0.68
		57	10.84	2.37	-13.55	-7.82	-3.36	7.64	0.73	-0.40	-0.28	0.61	-0.35
		49	12.02	7.66	-10.05	1.21	-3.60	8.52	2.23	0.88	0.88	2.23	-6.47e-03
49	27	50	80.98	125.56	3.37	19.16	109.76	41.00	1.22	0.18	1.13	0.26	-0.28
		58	84.04	128.09	-3.99	18.67	105.42	-49.80	-0.21	-1.34	-1.32	-0.23	0.15
		57	85.01	128.81	-5.09	18.91	104.81	51.36	-0.26	-1.29	-1.26	-0.28	-0.16
		49	79.94	124.10	3.69	18.69	109.10	-39.76	1.14	0.13	1.07	0.21	0.26
49	28	50	3.99	1.13	-1.86	-0.32	-0.41	-1.50	0.04	-1.10	-0.14	-0.92	0.42
		58	5.55	1.24	-3.07	0.21	-2.04	1.83	0.69	-0.75	0.21	-0.27	0.68
		57	10.56	1.48	-13.55	-7.96	-4.12	7.27	0.73	-0.39	-0.27	0.61	-0.35
		49	12.57	7.57	-10.89	1.07	-4.39	8.81	2.23	0.87	0.87	2.23	-8.40e-03
49	29	50	81.56	126.46	3.39	19.30	110.55	41.29	1.23	0.18	1.14	0.26	-0.28
		58	84.65	129.01	-4.03	18.81	106.18	-50.16	-0.21	-1.35	-1.33	-0.23	0.15
		57	85.63	129.74	-5.13	19.05	105.57	51.73	-0.26	-1.30	-1.27	-0.28	-0.16
		49	80.52	125.00	3.72	18.82	109.89	-40.05	1.15	0.13	1.07	0.21	0.26
49	30	50	3.97	1.34	-1.13	-0.18	0.39	-1.20	0.04	-1.10	-0.14	-0.92	0.42
		58	5.01	1.21	-2.15	0.35	-1.28	1.47	0.69	-0.76	0.20	-0.27	0.68
		57	10.84	2.37	-13.55	-7.82	-3.36	7.64	0.73	-0.40	-0.28	0.61	-0.35
		49	12.02	7.66	-10.05	1.21	-3.60	8.52	2.23	0.88	0.88	2.23	-6.47e-03
49	31	50	81.00	125.59	3.38	19.18	109.79	41.00	1.22	0.18	1.14	0.26	-0.28
		58	84.04	128.10	-3.98	18.68	105.44	-49.80	-0.21	-1.34	-1.32	-0.23	0.15
		57	85.02	128.83	-5.08	18.93	104.82	51.36	-0.26	-1.29	-1.26	-0.28	-0.16
		49	79.95	124.12	3.70	18.69	109.13	-39.75	1.14	0.13	1.07	0.21	0.26
49	32	50	3.99	1.11	-1.89	-0.34	-0.44	-1.50	0.04	-1.10	-0.15	-0.92	0.42
		58	5.54	1.22	-3.08	0.20	-2.06	1.83	0.69	-0.76	0.21	-0.27	0.68
		57	10.55	1.46	-13.57	-7.98	-4.13	7.26	0.73	-0.39	-0.27	0.61	-0.35
		49	12.58	7.55	-10.90	1.07	-4.42	8.81	2.23	0.87	0.87	2.23	-8.40e-03
49	33	50	81.58	126.49	3.41	19.32	110.58	41.30	1.23	0.18	1.15	0.26	-0.28
		58	84.65	129.03	-4.01	18.82	106.20	-50.16	-0.21	-1.35	-1.33	-0.23	0.15
		57	85.64	129.76	-5.11	19.06	105.58	51.73	-0.26	-1.30	-1.27	-0.28	-0.16
		49	80.53	125.02	3.73	18.83	109.92	-40.04	1.15	0.14	1.08	0.21	0.26
49	34	50	3.97	1.32	-1.16	-0.20	0.36	-1.21	0.04	-1.10	-0.14	-0.92	0.42
		58	5.00	1.20	-2.16	0.34	-1.30	1.46	0.69	-0.76	0.20	-0.27	0.68
		57	10.83	2.35	-13.56	-7.84	-3.37	7.63	0.73	-0.40	-0.28	0.61	-0.35
		49	12.02	7.64	-10.07	1.20	-3.63	8.52	2.23	0.87	0.87	2.23	-6.47e-03

49	35	50	81.00	125.59	3.38	19.18	109.79	41.00	1.22	0.18	1.14	0.26	-0.28
		58	84.04	128.10	-3.98	18.68	105.44	-49.80	-0.21	-1.34	-1.32	-0.23	0.15
		57	85.02	128.83	-5.08	18.93	104.82	51.36	-0.26	-1.29	-1.26	-0.28	-0.16
		49	79.95	124.12	3.70	18.69	109.13	-39.75	1.14	0.13	1.07	0.21	0.26
49	36	50	3.99	1.11	-1.89	-0.34	-0.44	-1.50	0.04	-1.10	-0.15	-0.92	0.42
		58	5.54	1.22	-3.08	0.20	-2.06	1.83	0.69	-0.76	0.21	-0.27	0.68
		57	10.55	1.46	-13.57	-7.98	-4.13	7.26	0.73	-0.39	-0.27	0.61	-0.35
		49	12.58	7.55	-10.90	1.07	-4.42	8.81	2.23	0.87	0.87	2.23	-8.40e-03
49	37	50	81.58	126.49	3.41	19.32	110.58	41.30	1.23	0.18	1.15	0.26	-0.28
		58	84.65	129.03	-4.01	18.82	106.20	-50.16	-0.21	-1.35	-1.33	-0.23	0.15
		57	85.64	129.76	-5.11	19.06	105.58	51.73	-0.26	-1.30	-1.27	-0.28	-0.16
		49	80.53	125.02	3.73	18.83	109.92	-40.04	1.15	0.14	1.08	0.21	0.26
49	38	50	3.97	1.32	-1.16	-0.20	0.36	-1.21	0.04	-1.10	-0.14	-0.92	0.42
		58	5.00	1.20	-2.16	0.34	-1.30	1.46	0.69	-0.76	0.20	-0.27	0.68
		57	10.83	2.35	-13.56	-7.84	-3.37	7.63	0.73	-0.40	-0.28	0.61	-0.35
		49	12.02	7.64	-10.07	1.20	-3.63	8.52	2.23	0.87	0.87	2.23	-6.47e-03
49	39	50	0.52	0.52	-0.37	0.05	0.10	0.44	-2.54e-03	-0.01	-8.76e-03	-5.07e-03	3.96e-03
		58	0.64	0.62	-0.49	0.04	0.09	0.55	0.01	-4.60e-04	3.67e-03	7.14e-03	-5.60e-03
		57	0.47	0.29	-0.50	0.03	-0.24	0.37	2.65e-04	-0.01	-3.48e-03	-7.14e-03	5.26e-03
		49	0.43	0.15	-0.55	-0.11	-0.29	0.34	3.21e-03	-6.25e-03	-3.99e-03	9.48e-04	-4.03e-03
49	40	50	0.53	0.54	-0.38	0.05	0.12	0.46	-1.66e-03	-9.94e-03	-6.95e-03	-4.65e-03	3.98e-03
		58	0.66	0.63	-0.50	0.04	0.09	0.57	0.01	7.53e-04	5.47e-03	7.52e-03	-5.65e-03
		57	0.49	0.31	-0.51	0.03	-0.23	0.39	1.40e-03	-0.01	-1.87e-03	-6.80e-03	5.18e-03
		49	0.44	0.17	-0.55	-0.11	-0.27	0.35	3.94e-03	-4.99e-03	-2.38e-03	1.32e-03	-4.06e-03
49	41	50	0.52	0.52	-0.37	0.05	0.10	0.44	-2.57e-03	-0.01	-8.79e-03	-5.09e-03	3.96e-03
		58	0.64	0.62	-0.49	0.04	0.09	0.55	0.01	-4.80e-04	3.64e-03	7.12e-03	-5.60e-03
		57	0.47	0.29	-0.50	0.03	-0.24	0.37	2.62e-04	-0.01	-3.49e-03	-7.15e-03	5.27e-03
		49	0.43	0.15	-0.55	-0.11	-0.29	0.34	3.20e-03	-6.27e-03	-4.01e-03	9.37e-04	-4.03e-03
49	42	50	0.53	0.54	-0.38	0.05	0.12	0.46	-1.69e-03	-9.97e-03	-6.99e-03	-4.67e-03	3.98e-03
		58	0.66	0.63	-0.50	0.04	0.09	0.57	0.01	7.34e-04	5.43e-03	7.51e-03	-5.64e-03
		57	0.49	0.31	-0.51	0.03	-0.23	0.39	1.40e-03	-0.01	-1.89e-03	-6.81e-03	5.19e-03
		49	0.44	0.17	-0.55	-0.11	-0.27	0.35	3.93e-03	-5.01e-03	-2.39e-03	1.31e-03	-4.07e-03
49	43	50	0.52	0.52	-0.37	0.05	0.10	0.44	-2.42e-03	-0.01	-8.49e-03	-5.01e-03	3.96e-03
		58	0.64	0.62	-0.49	0.04	0.09	0.55	0.01	-2.70e-04	3.94e-03	7.20e-03	-5.61e-03
		57	0.48	0.29	-0.50	0.03	-0.24	0.37	4.28e-04	-0.01	-3.25e-03	-7.09e-03	5.26e-03
		49	0.43	0.15	-0.55	-0.11	-0.29	0.34	3.30e-03	-6.06e-03	-3.76e-03	1.00e-03	-4.03e-03
49	44	50	0.53	0.54	-0.38	0.05	0.11	0.46	-1.80e-03	-0.01	-7.22e-03	-4.71e-03	3.98e-03
		58	0.66	0.63	-0.50	0.04	0.09	0.57	0.01	5.73e-04	5.20e-03	7.46e-03	-5.64e-03
		57	0.49	0.30	-0.51	0.03	-0.24	0.39	1.23e-03	-0.01	-2.10e-03	-6.85e-03	5.19e-03
		49	0.44	0.17	-0.56	-0.11	-0.28	0.35	3.83e-03	-5.17e-03	-2.60e-03	1.27e-03	-4.06e-03
49	45	50	0.52	0.52	-0.37	0.05	0.10	0.44	-2.44e-03	-0.01	-8.52e-03	-5.03e-03	3.96e-03
		58	0.64	0.62	-0.49	0.04	0.09	0.55	0.01	-2.90e-04	3.91e-03	7.18e-03	-5.60e-03
		57	0.48	0.29	-0.50	0.03	-0.24	0.37	4.25e-04	-0.01	-3.27e-03	-7.09e-03	5.27e-03
		49	0.43	0.15	-0.55	-0.11	-0.29	0.34	3.29e-03	-6.08e-03	-3.78e-03	9.92e-04	-4.03e-03
49	46	50	0.53	0.54	-0.38	0.05	0.11	0.46	-1.83e-03	-0.01	-7.26e-03	-4.74e-03	3.97e-03
		58	0.66	0.63	-0.50	0.04	0.09	0.57	0.01	5.54e-04	5.16e-03	7.45e-03	-5.64e-03
		57	0.49	0.30	-0.51	0.03	-0.24	0.39	1.23e-03	-0.01	-2.11e-03	-6.86e-03	5.20e-03
		49	0.44	0.17	-0.56	-0.11	-0.28	0.35	3.82e-03	-5.19e-03	-2.62e-03	1.26e-03	-4.07e-03
49	47	50	0.52	0.52	-0.37	0.05	0.10	0.44	-2.55e-03	-0.01	-8.76e-03	-5.07e-03	3.96e-03
		58	0.64	0.62	-0.49	0.04	0.09	0.55	0.01	-4.55e-04	3.67e-03	7.14e-03	-5.60e-03
		57	0.47	0.29	-0.50	0.03	-0.24	0.37	2.76e-04	-0.01	-3.47e-03	-7.14e-03	5.27e-03
		49	0.43	0.15	-0.55	-0.11	-0.29	0.34	3.21e-03	-6.25e-03	-3.99e-03	9.46e-04	-4.03e-03
49	48	50	0.53	0.54	-0.38	0.05	0.12	0.46	-1.66e-03	-9.94e-03	-6.96e-03	-4.65e-03	3.98e-03
		58	0.66	0.63	-0.50	0.04	0.09	0.57	0.01	7.59e-04	5.46e-03	7.52e-03	-5.64e-03
		57	0.49	0.31	-0.51	0.03	-0.23	0.39	1.41e-03	-0.01	-1.87e-03	-6.80e-03	5.19e-03
		49	0.44	0.17	-0.56	-0.11	-0.27	0.35	3.94e-03	-4.99e-03	-2.38e-03	1.32e-03	-4.07e-03
49	49	50	0.52	0.52	-0.37	0.05	0.10	0.44	-2.57e-03	-0.01	-8.79e-03	-5.09e-03	3.96e-03
		58	0.64	0.62	-0.49	0.04	0.09	0.55	0.01	-4.86e-04	3.64e-03	7.13e-03	-5.60e-03
		57	0.47	0.29	-0.50	0.03	-0.24	0.37	2.52e-04	-0.01	-3.49e-03	-7.14e-03	5.26e-03
		49	0.43	0.15	-0.55	-0.11	-0.29	0.34	3.20e-03	-6.26e-03	-4.01e-03	9.38e-04	-4.03e-03
49	50	50	0.53	0.54	-0.38	0.05	0.12	0.46	-1.68e-03	-9.97e-03	-6.99e-03	-4.67e-03	3.98e-03
		58	0.66	0.63	-0.50	0.04	0.09	0.57	0.01	7.29e-04	5.43e-03	7.51e-03	-5.65e-03
		57	0.49	0.31	-0.51	0.03	-0.23	0.39	1.39e-03	-0.01	-1.89e-03	-6.80e-03	5.18e-03
		49	0.44	0.17	-0.55	-0.11	-0.27	0.35	3.93e-03	-5.01e-03	-2.39e-03	1.31e-03	-4.07e-03
49	51	50	0.52	0.52	-0.37	0.05	0.10	0.44	-2.42e-03	-0.01	-8.49e-03	-5.01e-03	3.96e-03
		58	0.64	0.62	-0.49	0.04	0.09	0.55	0.01	-2.64e-04	3.94e-03	7.20e-03	-5.60e-03
		57	0.48	0.29	-0.50	0.03	-0.24	0.37	4.39e-04	-0.01	-3.25e-03	-7.09e-03	5.27e-03
		49	0.43	0.15	-0.55	-0.11	-0.29	0.34	3.31e-03	-6.06e-03	-3.76e-03	1.00e-03	-4.03e-03
49	52	50	0.53	0.54	-0.38	0.05	0.11	0.46	-1.80e-03	-0.01	-7.23e-03	-4.72e-03	3.97e-03
		58	0.66	0.63	-0.50	0.04	0.09	0.57	0.01	5.79e-04	5.19e-03	7.46e-03	-5.64e-03
		57	0.49	0.30	-0.51	0.03	-0.24	0.39	1.24e-03	-0.01	-2.09e-03	-6.85e-03	5.20e-03
		49	0.44	0.17	-0.56	-0.11	-0.28	0.35	3.83e-03	-5.17e-03	-2.60e-03	1.27e-03	-4.07e-03
49	53	50	0.52	0.52	-0.37	0.05	0.10	0.44	-2.44e-03	-0.01	-8.52e-03	-5.03e-03	3.96e-03
		58	0.64	0.62	-0.49	0.04	0.09	0.55	0.01	-2.95e-04	3.91e-03	7.19e-03	-5.61e-03
		57	0.48	0.29	-0.50	0.03	-0.24	0.37	4.14e-04	-0.01	-3.27e-03	-7.09e-03	5.26e-03
		49	0.43	0.15	-0.55	-0.11	-0.29	0.34	3.29e-03	-6.08e-03	-3.78e-03	9.94e-04	-4.03e-03
49	54	50	0.53	0.54	-0.38	0.05	0.11	0.46	-1.82e-03	-0.01	-7.26e-03	-4.73e-03	3.98e-03

		58	0.66	0.63	-0.50	0.04	0.09	0.57	0.01	5.49e-04	5.16e-03	7.45e-03	-5.64e-03
		57	0.49	0.30	-0.51	0.03	-0.24	0.39	1.22e-03	-0.01	-2.11e-03	-6.86e-03	5.19e-03
		49	0.44	0.17	-0.56	-0.11	-0.28	0.35	3.82e-03	-5.19e-03	-2.62e-03	1.26e-03	-4.07e-03
49	55	50	0.50	0.49	-0.37	0.05	0.08	0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	3.94e-03
		58	0.62	0.60	-0.47	0.04	0.08	0.54	0.01	-1.98e-03	1.57e-03	6.69e-03	-5.55e-03
		57	0.46	0.27	-0.49	0.03	-0.25	0.36	-9.75e-04	-0.01	-5.36e-03	-7.54e-03	5.36e-03
		49	0.42	0.12	-0.55	-0.12	-0.31	0.32	2.43e-03	-7.80e-03	-5.88e-03	5.06e-04	-4.00e-03
49	56	50	0.55	0.57	-0.38	0.05	0.14	0.47	-5.03e-04	-8.53e-03	-4.86e-03	-4.17e-03	4.00e-03
		58	0.68	0.65	-0.51	0.04	0.10	0.58	0.01	2.05e-03	7.55e-03	7.96e-03	-5.70e-03
		57	0.50	0.33	-0.52	0.03	-0.23	0.40	2.81e-03	-9.22e-03	0.0	-6.41e-03	5.09e-03
		49	0.45	0.20	-0.56	-0.11	-0.25	0.37	4.88e-03	-3.63e-03	-5.00e-04	1.76e-03	-4.10e-03
49	57	50	0.50	0.49	-0.37	0.05	0.08	0.43	-3.48e-03	-0.01	-0.01	-5.58e-03	3.94e-03
		58	0.62	0.60	-0.47	0.04	0.08	0.54	0.01	-1.99e-03	1.56e-03	6.68e-03	-5.55e-03
		57	0.46	0.27	-0.49	0.03	-0.25	0.36	-9.75e-04	-0.01	-5.36e-03	-7.54e-03	5.37e-03
		49	0.42	0.12	-0.55	-0.12	-0.31	0.32	2.43e-03	-7.80e-03	-5.88e-03	5.03e-04	-4.00e-03
49	58	50	0.55	0.57	-0.38	0.05	0.14	0.47	-5.12e-04	-8.54e-03	-4.87e-03	-4.17e-03	4.00e-03
		58	0.68	0.65	-0.51	0.04	0.10	0.58	0.01	2.05e-03	7.54e-03	7.96e-03	-5.70e-03
		57	0.50	0.33	-0.52	0.03	-0.23	0.40	2.81e-03	-9.22e-03	-5.69e-06	-6.41e-03	5.09e-03
		49	0.45	0.20	-0.56	-0.11	-0.25	0.37	4.88e-03	-3.63e-03	-5.06e-04	1.75e-03	-4.10e-03
49	59	50	0.50	0.49	-0.37	0.05	0.08	0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	3.94e-03
		58	0.62	0.60	-0.47	0.04	0.08	0.54	0.01	-1.98e-03	1.57e-03	6.69e-03	-5.55e-03
		57	0.46	0.27	-0.49	0.03	-0.25	0.36	-9.72e-04	-0.01	-5.36e-03	-7.54e-03	5.37e-03
		49	0.42	0.12	-0.55	-0.12	-0.31	0.32	2.43e-03	-7.80e-03	-5.88e-03	5.06e-04	-4.00e-03
49	60	50	0.55	0.57	-0.38	0.05	0.14	0.47	-5.04e-04	-8.53e-03	-4.86e-03	-4.17e-03	4.00e-03
		58	0.68	0.65	-0.51	0.04	0.10	0.58	0.01	2.06e-03	7.55e-03	7.96e-03	-5.70e-03
		57	0.50	0.33	-0.52	0.03	-0.23	0.40	2.81e-03	-9.22e-03	0.0	-6.41e-03	5.09e-03
		49	0.45	0.20	-0.56	-0.11	-0.25	0.37	4.88e-03	-3.63e-03	-5.00e-04	1.76e-03	-4.10e-03
49	61	50	0.50	0.49	-0.37	0.05	0.08	0.43	-3.48e-03	-0.01	-0.01	-5.57e-03	3.94e-03
		58	0.62	0.60	-0.47	0.04	0.08	0.54	0.01	-1.99e-03	1.56e-03	6.68e-03	-5.55e-03
		57	0.46	0.27	-0.49	0.03	-0.25	0.36	-9.79e-04	-0.01	-5.36e-03	-7.54e-03	5.36e-03
		49	0.42	0.12	-0.55	-0.12	-0.31	0.32	2.43e-03	-7.80e-03	-5.88e-03	5.04e-04	-4.00e-03
49	62	50	0.55	0.57	-0.38	0.05	0.14	0.47	-5.11e-04	-8.54e-03	-4.87e-03	-4.17e-03	4.00e-03
		58	0.68	0.65	-0.51	0.04	0.10	0.58	0.01	2.05e-03	7.54e-03	7.96e-03	-5.70e-03
		57	0.50	0.33	-0.52	0.03	-0.23	0.40	2.81e-03	-9.22e-03	-5.83e-06	-6.41e-03	5.09e-03
		49	0.45	0.20	-0.56	-0.11	-0.25	0.37	4.88e-03	-3.63e-03	-5.06e-04	1.75e-03	-4.10e-03
49	63	50	0.50	0.50	-0.36	0.05	0.09	0.43	-3.09e-03	-0.01	-9.97e-03	-5.36e-03	3.95e-03
		58	0.63	0.60	-0.47	0.05	0.09	0.54	0.01	-1.31e-03	2.46e-03	6.89e-03	-5.56e-03
		57	0.46	0.28	-0.49	0.03	-0.24	0.36	-4.65e-04	-0.01	-4.60e-03	-7.37e-03	5.34e-03
		49	0.42	0.13	-0.55	-0.12	-0.30	0.32	2.73e-03	-7.15e-03	-5.12e-03	6.92e-04	-4.00e-03
49	64	50	0.55	0.56	-0.39	0.05	0.13	0.47	-1.02e-03	-9.12e-03	-5.76e-03	-4.38e-03	3.99e-03
		58	0.67	0.65	-0.52	0.03	0.09	0.58	0.01	1.50e-03	6.65e-03	7.76e-03	-5.68e-03
		57	0.50	0.32	-0.53	0.02	-0.23	0.40	2.21e-03	-9.55e-03	-7.56e-04	-6.58e-03	5.11e-03
		49	0.45	0.19	-0.56	-0.11	-0.26	0.37	4.50e-03	-4.18e-03	-1.26e-03	1.57e-03	-4.10e-03
49	65	50	0.50	0.50	-0.36	0.05	0.09	0.43	-3.10e-03	-0.01	-9.98e-03	-5.36e-03	3.95e-03
		58	0.63	0.60	-0.47	0.05	0.09	0.54	0.01	-1.32e-03	2.45e-03	6.88e-03	-5.56e-03
		57	0.46	0.28	-0.49	0.03	-0.24	0.36	-4.65e-04	-0.01	-4.61e-03	-7.37e-03	5.35e-03
		49	0.42	0.13	-0.55	-0.12	-0.30	0.32	2.72e-03	-7.16e-03	-5.12e-03	6.88e-04	-4.00e-03
49	66	50	0.55	0.56	-0.39	0.05	0.13	0.47	-1.03e-03	-9.13e-03	-5.77e-03	-4.39e-03	3.99e-03
		58	0.67	0.65	-0.52	0.03	0.09	0.58	0.01	1.49e-03	6.64e-03	7.76e-03	-5.68e-03
		57	0.50	0.32	-0.53	0.02	-0.23	0.40	2.21e-03	-9.55e-03	-7.62e-04	-6.58e-03	5.11e-03
		49	0.45	0.19	-0.56	-0.11	-0.26	0.37	4.49e-03	-4.19e-03	-1.26e-03	1.57e-03	-4.10e-03
49	67	50	0.50	0.50	-0.36	0.05	0.09	0.43	-3.09e-03	-0.01	-9.97e-03	-5.36e-03	3.95e-03
		58	0.63	0.60	-0.47	0.05	0.09	0.54	0.01	-1.31e-03	2.46e-03	6.89e-03	-5.56e-03
		57	0.46	0.28	-0.49	0.03	-0.24	0.36	-4.62e-04	-0.01	-4.60e-03	-7.37e-03	5.35e-03
		49	0.42	0.13	-0.55	-0.12	-0.30	0.32	2.73e-03	-7.15e-03	-5.12e-03	6.91e-04	-4.00e-03
49	68	50	0.55	0.56	-0.39	0.05	0.13	0.47	-1.02e-03	-9.12e-03	-5.76e-03	-4.38e-03	3.99e-03
		58	0.67	0.65	-0.52	0.03	0.09	0.58	0.01	1.50e-03	6.65e-03	7.76e-03	-5.68e-03
		57	0.50	0.32	-0.53	0.02	-0.23	0.40	2.22e-03	-9.55e-03	-7.56e-04	-6.58e-03	5.11e-03
		49	0.45	0.19	-0.56	-0.11	-0.26	0.37	4.50e-03	-4.19e-03	-1.26e-03	1.57e-03	-4.10e-03
49	69	50	0.50	0.50	-0.36	0.05	0.09	0.43	-3.10e-03	-0.01	-9.98e-03	-5.36e-03	3.95e-03
		58	0.63	0.60	-0.47	0.05	0.09	0.54	0.01	-1.32e-03	2.45e-03	6.88e-03	-5.56e-03
		57	0.46	0.28	-0.49	0.03	-0.24	0.36	-4.69e-04	-0.01	-4.61e-03	-7.37e-03	5.34e-03
		49	0.42	0.13	-0.55	-0.12	-0.30	0.32	2.72e-03	-7.16e-03	-5.12e-03	6.89e-04	-4.00e-03
49	70	50	0.55	0.56	-0.39	0.05	0.13	0.47	-1.03e-03	-9.13e-03	-5.77e-03	-4.39e-03	3.99e-03
		58	0.67	0.65	-0.52	0.03	0.09	0.58	0.01	1.49e-03	6.64e-03	7.76e-03	-5.68e-03
		57	0.50	0.32	-0.53	0.02	-0.23	0.40	2.21e-03	-9.55e-03	-7.62e-04	-6.58e-03	5.11e-03
		49	0.45	0.19	-0.56	-0.11	-0.26	0.37	4.49e-03	-4.19e-03	-1.26e-03	1.57e-03	-4.10e-03
49	71	50	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		57	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		49	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
49	72	50	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		57	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		49	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
49	73	50	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03

		57	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		49	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
49	74	50	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		57	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		49	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
49	75	50	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		57	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		49	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
49	76	50	0.52	0.53	-0.37	0.05	0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.63	-0.49	0.04	0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		57	0.48	0.30	-0.51	0.03	-0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		49	0.44	0.16	-0.55	-0.11	-0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
50	1	50	0.68	0.49	-0.69	-0.06	-0.14	-0.59	-2.77e-03	-0.01	-0.01	-6.33e-03	5.16e-03
		58	0.84	0.64	-0.81	-0.05	-0.12	-0.73	0.02	1.91e-04	5.92e-03	9.52e-03	-7.31e-03
		59	0.63	0.66	-0.39	-0.04	0.31	-0.49	1.07e-03	-0.01	-3.48e-03	-9.06e-03	6.80e-03
		51	0.57	0.72	-0.21	0.15	0.37	-0.45	4.63e-03	-7.31e-03	-4.15e-03	1.47e-03	-5.26e-03
50	2	50	0.68	0.49	-0.69	-0.06	-0.14	-0.59	-2.77e-03	-0.01	-0.01	-6.33e-03	5.16e-03
		58	0.84	0.64	-0.81	-0.05	-0.12	-0.73	0.02	1.91e-04	5.92e-03	9.52e-03	-7.31e-03
		59	0.63	0.66	-0.39	-0.04	0.31	-0.49	1.07e-03	-0.01	-3.48e-03	-9.06e-03	6.80e-03
		51	0.57	0.72	-0.21	0.15	0.37	-0.45	4.63e-03	-7.31e-03	-4.15e-03	1.47e-03	-5.26e-03
50	3	50	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		59	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		51	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
50	4	50	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		59	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		51	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
50	5	50	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		59	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		51	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
50	6	50	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		59	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		51	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
50	7	50	20.77	32.34	1.19	4.95	28.58	10.15	-0.05	-0.33	-0.31	-0.07	0.08
		58	22.50	33.94	-1.65	4.83	27.46	-13.74	0.36	0.06	0.35	0.07	-0.05
		59	22.03	33.57	-0.94	4.91	27.72	12.95	0.34	0.06	0.33	0.07	0.05
		51	21.37	33.08	0.84	5.03	28.89	-10.84	-0.03	-0.30	-0.28	-0.05	-0.07
50	8	50	4.31	0.40	-5.68	-0.59	-4.68	-2.25	0.20	-0.01	9.32e-03	0.18	0.06
		58	3.15	-0.47	-5.04	-1.01	-4.50	1.47	0.05	-0.03	-0.02	0.04	0.03
		59	3.63	0.39	-5.36	-0.77	-4.19	-2.32	-6.82e-03	-0.12	-0.12	-7.97e-03	-0.01
		51	3.11	-0.22	-4.82	-0.79	-4.25	1.52	0.10	-0.03	0.08	-6.63e-03	-0.05
50	9	50	22.71	35.36	1.27	5.41	31.22	11.13	-0.05	-0.36	-0.33	-0.08	0.09
		58	24.53	37.04	-1.75	5.28	30.00	-14.95	0.39	0.07	0.38	0.07	-0.05
		59	24.07	36.67	-1.06	5.37	30.25	14.18	0.37	0.06	0.36	0.07	0.05
		51	23.30	36.09	0.93	5.49	31.53	-11.81	-0.03	-0.33	-0.31	-0.06	-0.08
50	10	50	2.44	0.51	-2.67	-0.13	-2.03	-1.27	0.20	-0.04	-0.02	0.17	0.07
		58	1.25	-0.51	-2.01	-0.56	-1.96	0.26	0.06	2.32e-03	0.02	0.05	0.02
		59	1.60	0.29	-2.27	-0.32	-1.66	-1.08	-7.39e-04	-0.09	-0.09	-1.36e-03	-7.48e-03
		51	1.24	-0.13	-1.82	-0.34	-1.61	0.55	0.08	-0.04	0.05	-0.01	-0.06
50	11	50	20.77	32.35	1.19	4.96	28.58	10.16	-0.05	-0.33	-0.31	-0.07	0.08
		58	22.50	33.95	-1.64	4.84	27.47	-13.73	0.36	0.06	0.35	0.07	-0.05
		59	22.03	33.58	-0.94	4.92	27.72	12.95	0.34	0.06	0.33	0.06	0.05
		51	21.37	33.09	0.85	5.03	28.90	-10.84	-0.03	-0.30	-0.28	-0.05	-0.07
50	12	50	4.31	0.40	-5.69	-0.60	-4.69	-2.26	0.20	-0.01	0.01	0.18	0.06
		58	3.15	-0.48	-5.05	-1.01	-4.51	1.47	0.05	-0.03	-0.02	0.04	0.03
		59	3.63	0.39	-5.37	-0.78	-4.20	-2.32	-6.67e-03	-0.12	-0.12	-7.82e-03	-0.01
		51	3.11	-0.23	-4.83	-0.80	-4.26	1.52	0.10	-0.03	0.08	-6.47e-03	-0.05
50	13	50	22.72	35.37	1.28	5.42	31.23	11.14	-0.05	-0.36	-0.33	-0.08	0.09
		58	24.53	37.04	-1.75	5.29	30.01	-14.95	0.39	0.07	0.38	0.07	-0.05
		59	24.08	36.68	-1.06	5.37	30.25	14.19	0.37	0.06	0.36	0.07	0.05
		51	23.31	36.09	0.93	5.49	31.54	-11.80	-0.03	-0.33	-0.31	-0.06	-0.08
50	14	50	2.44	0.50	-2.68	-0.14	-2.04	-1.28	0.20	-0.04	-0.02	0.17	0.07
		58	1.25	-0.52	-2.02	-0.56	-1.97	0.26	0.06	2.93e-03	0.02	0.05	0.02
		59	1.60	0.28	-2.27	-0.32	-1.67	-1.09	-5.91e-04	-0.09	-0.09	-1.22e-03	-7.50e-03
		51	1.24	-0.14	-1.82	-0.34	-1.62	0.55	0.08	-0.04	0.05	-0.01	-0.06
50	15	50	20.77	32.34	1.19	4.95	28.58	10.15	-0.05	-0.33	-0.31	-0.07	0.08
		58	22.50	33.94	-1.65	4.83	27.46	-13.74	0.36	0.06	0.35	0.07	-0.05
		59	22.03	33.57	-0.94	4.91	27.72	12.95	0.34	0.06	0.33	0.07	0.05
		51	21.37	33.08	0.84	5.03	28.89	-10.84	-0.03	-0.30	-0.28	-0.05	-0.07
50	16	50	4.31	0.40	-5.68	-0.59	-4.68	-2.25	0.20	-0.01	9.32e-03	0.18	0.06
		58	3.15	-0.47	-5.04	-1.01	-4.50	1.47	0.05	-0.03	-0.02	0.04	0.03
		59	3.63	0.39	-5.36	-0.77	-4.19	-2.32	-6.82e-03	-0.12	-0.12	-7.97e-03	-0.01

		51	3.11	-0.22	-4.82	-0.79	-4.25	1.52	0.10	-0.03	0.08	-6.63e-03	-0.05
50	17	50	22.71	35.36	1.27	5.41	31.22	11.13	-0.05	-0.36	-0.33	-0.08	0.09
		58	24.53	37.04	-1.75	5.28	30.00	-14.95	0.39	0.07	0.38	0.07	-0.05
		59	24.07	36.67	-1.06	5.37	30.25	14.18	0.37	0.06	0.36	0.07	0.05
		51	23.30	36.09	0.93	5.49	31.53	-11.81	-0.03	-0.33	-0.31	-0.06	-0.08
50	18	50	2.44	0.51	-2.67	-0.13	-2.03	-1.27	0.20	-0.04	-0.02	0.17	0.07
		58	1.25	-0.51	-2.01	-0.56	-1.96	0.26	0.06	2.31e-03	0.02	0.05	0.02
		59	1.60	0.29	-2.27	-0.32	-1.66	-1.08	-7.42e-04	-0.09	-0.09	-1.36e-03	-7.45e-03
		51	1.24	-0.13	-1.82	-0.34	-1.61	0.55	0.08	-0.04	0.05	-0.01	-0.06
50	19	50	20.77	32.35	1.19	4.96	28.58	10.16	-0.05	-0.33	-0.31	-0.07	0.08
		58	22.50	33.95	-1.64	4.84	27.47	-13.73	0.36	0.06	0.35	0.07	-0.05
		59	22.03	33.58	-0.94	4.92	27.72	12.95	0.34	0.06	0.33	0.06	0.05
		51	21.37	33.09	0.85	5.03	28.90	-10.84	-0.03	-0.30	-0.28	-0.05	-0.07
50	20	50	4.31	0.40	-5.69	-0.60	-4.69	-2.26	0.20	-0.01	0.01	0.18	0.06
		58	3.15	-0.48	-5.05	-1.01	-4.51	1.47	0.05	-0.03	-0.02	0.04	0.03
		59	3.63	0.39	-5.37	-0.78	-4.20	-2.32	-6.67e-03	-0.12	-0.12	-7.83e-03	-0.01
		51	3.11	-0.23	-4.83	-0.80	-4.26	1.52	0.10	-0.03	0.08	-6.48e-03	-0.05
50	21	50	22.72	35.37	1.28	5.42	31.23	11.14	-0.05	-0.36	-0.33	-0.08	0.09
		58	24.53	37.04	-1.75	5.29	30.01	-14.95	0.39	0.07	0.38	0.07	-0.05
		59	24.08	36.68	-1.06	5.37	30.25	14.19	0.37	0.06	0.36	0.07	0.05
		51	23.31	36.09	0.93	5.49	31.54	-11.80	-0.03	-0.33	-0.31	-0.06	-0.08
50	22	50	2.44	0.50	-2.68	-0.14	-2.04	-1.28	0.20	-0.04	-0.02	0.17	0.07
		58	1.25	-0.52	-2.02	-0.56	-1.97	0.26	0.06	2.92e-03	0.02	0.05	0.02
		59	1.60	0.28	-2.27	-0.32	-1.67	-1.09	-5.94e-04	-0.09	-0.09	-1.22e-03	-7.47e-03
		51	1.24	-0.14	-1.82	-0.34	-1.62	0.55	0.08	-0.04	0.05	-0.01	-0.06
50	23	50	80.32	124.76	3.85	19.07	109.55	40.10	-0.18	-1.24	-1.15	-0.27	0.29
		58	84.81	128.77	-4.94	18.59	105.24	-50.92	1.35	0.22	1.33	0.24	-0.16
		59	84.67	128.61	-4.47	18.85	105.28	50.60	1.29	0.24	1.26	0.27	0.17
		51	80.66	125.08	3.50	18.91	109.67	-40.45	-0.13	-1.15	-1.07	-0.21	-0.27
50	24	50	3.58	1.21	-1.93	0.58	-1.30	-1.26	0.65	-0.17	-0.10	0.58	0.23
		58	1.27	-0.79	-1.41	-0.89	-1.32	-0.22	0.22	0.04	0.10	0.16	0.09
		59	1.14	-0.01	-1.17	-0.10	-1.09	-0.30	0.03	-0.24	-0.24	0.02	-0.03
		51	1.74	0.10	-1.42	-0.50	-0.82	0.74	0.25	-0.17	0.13	-0.05	-0.19
50	25	50	80.90	125.66	3.88	19.20	110.34	40.39	-0.18	-1.25	-1.16	-0.27	0.29
		58	85.42	129.70	-4.97	18.72	106.00	-51.28	1.36	0.22	1.34	0.24	-0.16
		59	85.29	129.54	-4.51	18.99	106.04	50.97	1.30	0.24	1.27	0.27	0.17
		51	81.24	125.98	3.53	19.05	110.46	-40.74	-0.13	-1.16	-1.08	-0.21	-0.27
50	26	50	3.06	1.25	-1.04	0.72	-0.51	-0.97	0.65	-0.18	-0.11	0.58	0.24
		58	1.28	-0.06	-1.25	-0.75	-0.56	-0.58	0.23	0.05	0.11	0.16	0.09
		59	0.80	0.05	-0.34	0.04	-0.33	0.07	0.03	-0.23	-0.23	0.03	-0.03
		51	1.46	0.29	-0.68	-0.37	-0.03	0.45	0.24	-0.17	0.12	-0.05	-0.19
50	27	50	80.32	124.76	3.85	19.07	109.55	40.10	-0.18	-1.24	-1.15	-0.27	0.29
		58	84.81	128.77	-4.94	18.59	105.24	-50.92	1.35	0.22	1.33	0.24	-0.16
		59	84.67	128.61	-4.47	18.85	105.28	50.60	1.29	0.24	1.26	0.27	0.17
		51	80.66	125.08	3.50	18.91	109.67	-40.45	-0.13	-1.15	-1.07	-0.21	-0.27
50	28	50	3.58	1.21	-1.93	0.58	-1.30	-1.26	0.65	-0.17	-0.10	0.58	0.23
		58	1.27	-0.79	-1.41	-0.89	-1.32	-0.22	0.22	0.04	0.10	0.16	0.09
		59	1.14	-0.01	-1.17	-0.10	-1.09	-0.30	0.03	-0.24	-0.24	0.02	-0.03
		51	1.74	0.10	-1.42	-0.50	-0.82	0.74	0.25	-0.17	0.13	-0.05	-0.19
50	29	50	80.90	125.66	3.88	19.20	110.34	40.39	-0.18	-1.25	-1.16	-0.27	0.29
		58	85.42	129.70	-4.97	18.72	106.00	-51.28	1.36	0.22	1.34	0.24	-0.16
		59	85.29	129.54	-4.51	18.99	106.04	50.97	1.30	0.24	1.27	0.27	0.17
		51	81.24	125.98	3.53	19.05	110.46	-40.74	-0.13	-1.16	-1.08	-0.21	-0.27
50	30	50	3.06	1.25	-1.04	0.72	-0.51	-0.97	0.65	-0.18	-0.11	0.58	0.24
		58	1.28	-0.06	-1.25	-0.75	-0.56	-0.58	0.23	0.05	0.11	0.16	0.09
		59	0.80	0.05	-0.34	0.04	-0.33	0.07	0.03	-0.23	-0.23	0.03	-0.03
		51	1.46	0.29	-0.68	-0.37	-0.03	0.45	0.24	-0.17	0.12	-0.05	-0.19
50	31	50	80.34	124.79	3.87	19.08	109.57	40.10	-0.18	-1.24	-1.15	-0.27	0.29
		58	84.81	128.78	-4.93	18.60	105.25	-50.91	1.35	0.22	1.33	0.24	-0.16
		59	84.68	128.63	-4.46	18.87	105.30	50.60	1.28	0.24	1.26	0.27	0.17
		51	80.67	125.10	3.51	18.92	109.70	-40.45	-0.13	-1.15	-1.07	-0.21	-0.27
50	32	50	3.60	1.20	-1.97	0.57	-1.33	-1.27	0.65	-0.17	-0.10	0.58	0.23
		58	1.28	-0.80	-1.43	-0.90	-1.34	-0.23	0.22	0.04	0.11	0.16	0.09
		59	1.14	-0.03	-1.19	-0.11	-1.10	-0.30	0.03	-0.24	-0.23	0.03	-0.03
		51	1.74	0.08	-1.43	-0.51	-0.85	0.74	0.25	-0.17	0.13	-0.05	-0.19
50	33	50	80.92	125.69	3.89	19.22	110.37	40.40	-0.18	-1.25	-1.16	-0.27	0.29
		58	85.43	129.71	-4.96	18.73	106.02	-51.28	1.36	0.22	1.34	0.24	-0.16
		59	85.30	129.56	-4.50	19.01	106.06	50.97	1.29	0.24	1.27	0.27	0.17
		51	81.25	126.00	3.54	19.05	110.49	-40.73	-0.13	-1.16	-1.08	-0.21	-0.27
50	34	50	3.07	1.24	-1.07	0.70	-0.54	-0.97	0.65	-0.18	-0.10	0.58	0.24
		58	1.30	-0.07	-1.26	-0.76	-0.57	-0.59	0.23	0.05	0.12	0.16	0.09
		59	0.79	0.04	-0.36	0.02	-0.34	0.07	0.03	-0.23	-0.23	0.03	-0.03
		51	1.45	0.26	-0.69	-0.37	-0.05	0.45	0.25	-0.17	0.12	-0.05	-0.19
50	35	50	80.34	124.79	3.87	19.08	109.57	40.10	-0.18	-1.24	-1.15	-0.27	0.29
		58	84.81	128.78	-4.93	18.60	105.25	-50.91	1.35	0.22	1.33	0.24	-0.16
		59	84.68	128.63	-4.46	18.87	105.30	50.60	1.28	0.24	1.26	0.27	0.17
		51	80.67	125.10	3.51	18.92	109.70	-40.45	-0.13	-1.15	-1.07	-0.21	-0.27

50	36	50	3.60	1.20	-1.97	0.57	-1.33	-1.27	0.65	-0.17	-0.10	0.58	0.23
		58	1.28	-0.80	-1.43	-0.90	-1.34	-0.23	0.22	0.04	0.11	0.16	0.09
		59	1.14	-0.03	-1.19	-0.11	-1.10	-0.30	0.03	-0.24	-0.23	0.03	-0.03
		51	1.74	0.08	-1.43	-0.51	-0.85	0.74	0.25	-0.17	0.13	-0.05	-0.19
50	37	50	80.92	125.69	3.89	19.22	110.37	40.40	-0.18	-1.25	-1.16	-0.27	0.29
		58	85.43	129.71	-4.96	18.73	106.02	-51.28	1.36	0.22	1.34	0.24	-0.16
		59	85.30	129.56	-4.50	19.01	106.06	50.97	1.29	0.24	1.27	0.27	0.17
		51	81.25	126.00	3.54	19.05	110.49	-40.73	-0.13	-1.16	-1.08	-0.21	-0.27
50	38	50	3.07	1.24	-1.07	0.70	-0.54	-0.97	0.65	-0.18	-0.10	0.58	0.24
		58	1.30	-0.07	-1.26	-0.76	-0.57	-0.59	0.23	0.05	0.12	0.16	0.09
		59	0.79	0.04	-0.36	0.02	-0.34	0.07	0.03	-0.23	-0.23	0.03	-0.03
		51	1.45	0.26	-0.69	-0.37	-0.05	0.45	0.25	-0.17	0.12	-0.05	-0.19
50	39	50	0.53	0.38	-0.54	-0.05	-0.12	-0.46	-1.69e-03	-9.97e-03	-6.99e-03	-4.67e-03	3.98e-03
		58	0.66	0.50	-0.63	-0.04	-0.09	-0.57	0.01	7.36e-04	5.43e-03	7.51e-03	-5.64e-03
		59	0.49	0.51	-0.31	-0.03	0.23	-0.39	1.40e-03	-0.01	-1.88e-03	-6.80e-03	5.19e-03
		51	0.44	0.55	-0.17	0.11	0.27	-0.35	3.93e-03	-5.01e-03	-2.39e-03	1.31e-03	-4.07e-03
50	40	50	0.52	0.37	-0.52	-0.05	-0.10	-0.44	-2.57e-03	-0.01	-8.79e-03	-5.09e-03	3.96e-03
		58	0.64	0.49	-0.62	-0.04	-0.09	-0.55	0.01	-4.81e-04	3.64e-03	7.13e-03	-5.60e-03
		59	0.47	0.50	-0.29	-0.03	0.24	-0.37	2.59e-04	-0.01	-3.50e-03	-7.15e-03	5.27e-03
		51	0.43	0.55	-0.15	0.11	0.29	-0.34	3.19e-03	-6.27e-03	-4.01e-03	1.32e-03	-4.03e-03
50	41	50	0.53	0.38	-0.54	-0.05	-0.12	-0.46	-1.66e-03	-9.94e-03	-6.95e-03	-4.65e-03	3.98e-03
		58	0.66	0.50	-0.63	-0.04	-0.09	-0.57	0.01	7.54e-04	5.47e-03	7.52e-03	-5.65e-03
		59	0.49	0.51	-0.31	-0.03	0.23	-0.39	1.41e-03	-0.01	-1.86e-03	-6.80e-03	5.18e-03
		51	0.44	0.55	-0.17	0.11	0.27	-0.35	3.94e-03	-4.99e-03	-2.37e-03	1.32e-03	-4.07e-03
50	42	50	0.52	0.37	-0.52	-0.05	-0.10	-0.44	-2.55e-03	-0.01	-8.76e-03	-5.07e-03	3.96e-03
		58	0.64	0.49	-0.62	-0.04	-0.09	-0.55	0.01	-4.61e-04	3.67e-03	7.14e-03	-5.60e-03
		59	0.47	0.50	-0.29	-0.03	0.24	-0.37	2.62e-04	-0.01	-3.48e-03	-7.14e-03	5.26e-03
		51	0.43	0.55	-0.15	0.11	0.29	-0.34	3.20e-03	-6.25e-03	-3.99e-03	9.45e-04	-4.03e-03
50	43	50	0.53	0.38	-0.54	-0.05	-0.11	-0.46	-1.83e-03	-0.01	-7.26e-03	-4.73e-03	3.97e-03
		58	0.66	0.50	-0.63	-0.04	-0.09	-0.57	0.01	5.55e-04	5.16e-03	7.45e-03	-5.64e-03
		59	0.49	0.51	-0.30	-0.03	0.24	-0.39	1.23e-03	-0.01	-2.11e-03	-6.86e-03	5.20e-03
		51	0.44	0.56	-0.17	0.11	0.28	-0.35	3.82e-03	-5.19e-03	-2.62e-03	1.26e-03	-4.07e-03
50	44	50	0.52	0.37	-0.52	-0.05	-0.10	-0.44	-2.44e-03	-0.01	-8.52e-03	-5.03e-03	3.96e-03
		58	0.64	0.49	-0.62	-0.04	-0.09	-0.55	0.01	-2.89e-04	3.91e-03	7.19e-03	-5.60e-03
		59	0.48	0.50	-0.29	-0.03	0.24	-0.37	4.24e-04	-0.01	-3.27e-03	-7.09e-03	5.27e-03
		51	0.43	0.55	-0.15	0.11	0.29	-0.34	3.29e-03	-6.08e-03	-3.78e-03	9.93e-04	-4.03e-03
50	45	50	0.53	0.38	-0.54	-0.05	-0.11	-0.46	-1.80e-03	-0.01	-7.22e-03	-4.72e-03	3.98e-03
		58	0.66	0.50	-0.63	-0.04	-0.09	-0.57	0.01	5.73e-04	5.20e-03	7.46e-03	-5.64e-03
		59	0.49	0.51	-0.30	-0.03	0.24	-0.39	1.23e-03	-0.01	-2.09e-03	-6.85e-03	5.19e-03
		51	0.44	0.56	-0.17	0.11	0.28	-0.35	3.83e-03	-5.17e-03	-2.60e-03	1.27e-03	-4.06e-03
50	46	50	0.52	0.37	-0.52	-0.05	-0.10	-0.44	-2.42e-03	-0.01	-8.49e-03	-5.01e-03	3.96e-03
		58	0.64	0.49	-0.62	-0.04	-0.09	-0.55	0.01	-2.70e-04	3.94e-03	7.20e-03	-5.61e-03
		59	0.48	0.50	-0.29	-0.03	0.24	-0.37	4.28e-04	-0.01	-3.25e-03	-7.09e-03	5.26e-03
		51	0.43	0.55	-0.15	0.11	0.29	-0.34	3.30e-03	-6.06e-03	-3.76e-03	1.00e-03	-4.03e-03
50	47	50	0.53	0.38	-0.54	-0.05	-0.12	-0.46	-1.68e-03	-9.97e-03	-6.99e-03	-4.67e-03	3.98e-03
		58	0.66	0.50	-0.63	-0.04	-0.09	-0.57	0.01	7.29e-04	5.43e-03	7.51e-03	-5.65e-03
		59	0.49	0.51	-0.31	-0.03	0.23	-0.39	1.39e-03	-0.01	-1.88e-03	-6.80e-03	5.18e-03
		51	0.44	0.55	-0.17	0.11	0.27	-0.35	3.93e-03	-5.00e-03	-2.39e-03	1.31e-03	-4.07e-03
50	48	50	0.52	0.37	-0.52	-0.05	-0.10	-0.44	-2.57e-03	-0.01	-8.79e-03	-5.09e-03	3.96e-03
		58	0.64	0.49	-0.62	-0.04	-0.09	-0.55	0.01	-4.87e-04	3.64e-03	7.12e-03	-5.60e-03
		59	0.47	0.50	-0.29	-0.03	0.24	-0.37	2.49e-04	-0.01	-3.50e-03	-7.15e-03	5.26e-03
		51	0.43	0.55	-0.15	0.11	0.29	-0.34	3.19e-03	-6.27e-03	-4.01e-03	1.32e-03	-4.03e-03
50	49	50	0.53	0.38	-0.54	-0.05	-0.12	-0.46	-1.66e-03	-9.94e-03	-6.95e-03	-4.65e-03	3.98e-03
		58	0.66	0.50	-0.63	-0.04	-0.09	-0.57	0.01	7.60e-04	5.46e-03	7.52e-03	-5.64e-03
		59	0.49	0.51	-0.31	-0.03	0.23	-0.39	1.42e-03	-0.01	-1.86e-03	-6.80e-03	5.19e-03
		51	0.44	0.55	-0.17	0.11	0.27	-0.35	3.94e-03	-4.99e-03	-2.37e-03	1.32e-03	-4.07e-03
50	50	50	0.52	0.37	-0.52	-0.05	-0.10	-0.44	-2.55e-03	-0.01	-8.76e-03	-5.07e-03	3.96e-03
		58	0.64	0.49	-0.62	-0.04	-0.09	-0.55	0.01	-4.55e-04	3.67e-03	7.14e-03	-5.60e-03
		59	0.47	0.50	-0.29	-0.03	0.24	-0.37	2.72e-04	-0.01	-3.48e-03	-7.14e-03	5.27e-03
		51	0.43	0.55	-0.15	0.11	0.29	-0.34	3.21e-03	-6.25e-03	-3.99e-03	9.46e-04	-4.03e-03
50	51	50	0.53	0.38	-0.54	-0.05	-0.11	-0.46	-1.82e-03	-0.01	-7.26e-03	-4.74e-03	3.98e-03
		58	0.66	0.50	-0.63	-0.04	-0.09	-0.57	0.01	5.49e-04	5.16e-03	7.45e-03	-5.64e-03
		59	0.49	0.51	-0.30	-0.03	0.24	-0.39	1.22e-03	-0.01	-2.11e-03	-6.86e-03	5.19e-03
		51	0.44	0.56	-0.17	0.11	0.28	-0.35	3.82e-03	-5.18e-03	-2.62e-03	1.26e-03	-4.06e-03
50	52	50	0.52	0.37	-0.52	-0.05	-0.10	-0.44	-2.44e-03	-0.01	-8.52e-03	-5.03e-03	3.96e-03
		58	0.64	0.49	-0.62	-0.04	-0.09	-0.55	0.01	-2.96e-04	3.91e-03	7.18e-03	-5.61e-03
		59	0.48	0.50	-0.29	-0.03	0.24	-0.37	4.14e-04	-0.01	-3.27e-03	-7.09e-03	5.26e-03
		51	0.43	0.55	-0.15	0.11	0.29	-0.34	3.29e-03	-6.08e-03	-3.78e-03	9.92e-04	-4.03e-03
50	53	50	0.53	0.38	-0.54	-0.05	-0.11	-0.46	-1.80e-03	-0.01	-7.22e-03	-4.71e-03	3.97e-03
		58	0.66	0.50	-0.63	-0.04	-0.09	-0.57	0.01	5.79e-04	5.20e-03	7.46e-03	-5.64e-03
		59	0.49	0.51	-0.30	-0.03	0.24	-0.39	1.24e-03	-0.01	-2.10e-03	-6.85e-03	5.19e-03
		51	0.44	0.56	-0.17	0.11	0.28	-0.35	3.84e-03	-5.17e-03	-2.60e-03	1.27e-03	-4.07e-03
50	54	50	0.52	0.37	-0.52	-0.05	-0.10	-0.44	-2.42e-03	-0.01	-8.49e-03	-5.01e-03	3.96e-03
		58	0.64	0.49	-0.62	-0.04	-0.09	-0.55	0.01	-2.64e-04	3.94e-03	7.20e-03	-5.60e-03
		59	0.48	0.50	-0.29	-0.03	0.24	-0.37	4.38e-04	-0.01	-3.25e-03	-7.09e-03	5.27e-03
		51	0.43	0.55	-0.15	0.11	0.29	-0.34	3.31e-03	-6.07e-03	-3.76e-03	1.00e-03	-4.03e-03
50	55	50	0.55	0.38	-0.57	-0.05	-0.14	-0.47	-5.09e-04	-8.53e-03	-4.87e-03	-4.17e-03	4.00e-03

		58	0.68	0.51	-0.65	-0.04	-0.10	-0.58	0.01	2.05e-03	7.54e-03	7.96e-03	-5.69e-03
		59	0.50	0.52	-0.33	-0.03	0.23	-0.40	2.82e-03	-9.22e-03	8.10e-06	-6.40e-03	5.09e-03
		51	0.45	0.56	-0.20	0.11	0.25	-0.37	4.89e-03	-3.62e-03	-4.91e-04	1.76e-03	-4.11e-03
50	56	50	0.50	0.37	-0.49	-0.05	-0.08	-0.43	-3.48e-03	-0.01	-0.01	-5.58e-03	3.94e-03
		58	0.62	0.47	-0.60	-0.04	-0.08	-0.54	0.01	-1.99e-03	1.55e-03	6.68e-03	-5.55e-03
		59	0.46	0.49	-0.27	-0.03	0.25	-0.36	-9.85e-04	-0.01	-5.38e-03	-7.54e-03	5.37e-03
		51	0.42	0.55	-0.12	0.12	0.31	-0.32	2.42e-03	-7.82e-03	-5.90e-03	4.98e-04	-3.99e-03
50	57	50	0.55	0.38	-0.57	-0.05	-0.14	-0.47	-5.01e-04	-8.53e-03	-4.86e-03	-4.17e-03	4.00e-03
		58	0.68	0.51	-0.65	-0.04	-0.10	-0.58	0.01	2.06e-03	7.55e-03	7.97e-03	-5.70e-03
		59	0.50	0.52	-0.33	-0.03	0.23	-0.40	2.82e-03	-9.21e-03	1.40e-05	-6.40e-03	5.09e-03
		51	0.45	0.56	-0.20	0.11	0.25	-0.37	4.89e-03	-3.62e-03	-4.86e-04	1.76e-03	-4.10e-03
50	58	50	0.50	0.37	-0.49	-0.05	-0.08	-0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	3.94e-03
		58	0.62	0.47	-0.60	-0.04	-0.08	-0.54	0.01	-1.99e-03	1.56e-03	6.69e-03	-5.55e-03
		59	0.46	0.49	-0.27	-0.03	0.25	-0.36	-9.85e-04	-0.01	-5.37e-03	-7.54e-03	5.36e-03
		51	0.42	0.55	-0.12	0.12	0.31	-0.32	2.42e-03	-7.81e-03	-5.89e-03	5.01e-04	-3.99e-03
50	59	50	0.55	0.38	-0.57	-0.05	-0.14	-0.47	-5.09e-04	-8.53e-03	-4.87e-03	-4.17e-03	4.00e-03
		58	0.68	0.51	-0.65	-0.04	-0.10	-0.58	0.01	2.05e-03	7.54e-03	7.96e-03	-5.70e-03
		59	0.50	0.52	-0.33	-0.03	0.23	-0.40	2.82e-03	-9.21e-03	8.54e-06	-6.40e-03	5.09e-03
		51	0.45	0.56	-0.20	0.11	0.25	-0.37	4.89e-03	-3.62e-03	-4.91e-04	1.76e-03	-4.10e-03
50	60	50	0.50	0.37	-0.49	-0.05	-0.08	-0.43	-3.48e-03	-0.01	-0.01	-5.58e-03	3.94e-03
		58	0.62	0.47	-0.60	-0.04	-0.08	-0.54	0.01	-2.00e-03	1.55e-03	6.68e-03	-5.55e-03
		59	0.46	0.49	-0.27	-0.03	0.25	-0.36	-9.89e-04	-0.01	-5.38e-03	-7.54e-03	5.36e-03
		51	0.42	0.55	-0.12	0.12	0.31	-0.32	2.42e-03	-7.81e-03	-5.90e-03	4.98e-04	-3.99e-03
50	61	50	0.55	0.38	-0.57	-0.05	-0.14	-0.47	-5.02e-04	-8.53e-03	-4.86e-03	-4.17e-03	4.00e-03
		58	0.68	0.51	-0.65	-0.04	-0.10	-0.58	0.01	2.06e-03	7.55e-03	7.97e-03	-5.69e-03
		59	0.50	0.52	-0.33	-0.03	0.23	-0.40	2.82e-03	-9.21e-03	1.36e-05	-6.40e-03	5.09e-03
		51	0.45	0.56	-0.20	0.11	0.25	-0.37	4.89e-03	-3.62e-03	-4.86e-04	1.76e-03	-4.11e-03
50	62	50	0.50	0.37	-0.49	-0.05	-0.08	-0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	3.94e-03
		58	0.62	0.47	-0.60	-0.04	-0.08	-0.54	0.01	-1.99e-03	1.56e-03	6.69e-03	-5.55e-03
		59	0.46	0.49	-0.27	-0.03	0.25	-0.36	-9.82e-04	-0.01	-5.37e-03	-7.54e-03	5.37e-03
		51	0.42	0.55	-0.12	0.12	0.31	-0.32	2.42e-03	-7.81e-03	-5.89e-03	5.01e-04	-3.99e-03
50	63	50	0.55	0.39	-0.56	-0.05	-0.13	-0.47	-1.03e-03	-9.13e-03	-5.77e-03	-4.39e-03	3.99e-03
		58	0.67	0.52	-0.65	-0.03	-0.09	-0.58	0.01	1.49e-03	6.64e-03	7.76e-03	-5.68e-03
		59	0.50	0.53	-0.32	-0.02	0.23	-0.40	2.21e-03	-9.55e-03	-7.60e-04	-6.58e-03	5.11e-03
		51	0.45	0.56	-0.19	0.11	0.26	-0.37	4.49e-03	-4.19e-03	-1.26e-03	1.57e-03	-4.10e-03
50	64	50	0.50	0.36	-0.50	-0.05	-0.09	-0.43	-3.10e-03	-0.01	-9.98e-03	-5.36e-03	3.95e-03
		58	0.63	0.47	-0.60	-0.05	-0.09	-0.54	0.01	-1.32e-03	2.45e-03	6.88e-03	-5.56e-03
		59	0.46	0.49	-0.28	-0.03	0.24	-0.36	-4.67e-04	-0.01	-4.61e-03	-7.37e-03	5.35e-03
		51	0.42	0.55	-0.13	0.12	0.30	-0.32	2.72e-03	-7.16e-03	-5.12e-03	6.89e-04	-4.00e-03
50	65	50	0.55	0.39	-0.56	-0.05	-0.13	-0.47	-1.02e-03	-9.12e-03	-5.76e-03	-4.38e-03	3.99e-03
		58	0.67	0.52	-0.65	-0.03	-0.09	-0.58	0.01	1.50e-03	6.65e-03	7.76e-03	-5.68e-03
		59	0.50	0.53	-0.32	-0.02	0.23	-0.40	2.22e-03	-9.55e-03	-7.54e-04	-6.58e-03	5.11e-03
		51	0.45	0.56	-0.19	0.11	0.26	-0.37	4.50e-03	-4.18e-03	-1.26e-03	1.57e-03	-4.10e-03
50	66	50	0.50	0.36	-0.50	-0.05	-0.09	-0.43	-3.09e-03	-0.01	-9.97e-03	-5.36e-03	3.95e-03
		58	0.63	0.47	-0.60	-0.05	-0.09	-0.54	0.01	-1.31e-03	2.46e-03	6.89e-03	-5.56e-03
		59	0.46	0.49	-0.28	-0.03	0.24	-0.36	-4.67e-04	-0.01	-4.60e-03	-7.37e-03	5.34e-03
		51	0.42	0.55	-0.13	0.12	0.30	-0.32	2.73e-03	-7.15e-03	-5.12e-03	6.91e-04	-4.00e-03
50	67	50	0.55	0.39	-0.56	-0.05	-0.13	-0.47	-1.03e-03	-9.13e-03	-5.77e-03	-4.39e-03	3.99e-03
		58	0.67	0.52	-0.65	-0.03	-0.09	-0.58	0.01	1.49e-03	6.64e-03	7.76e-03	-5.68e-03
		59	0.50	0.53	-0.32	-0.02	0.23	-0.40	2.21e-03	-9.55e-03	-7.60e-04	-6.58e-03	5.11e-03
		51	0.45	0.56	-0.19	0.11	0.26	-0.37	4.49e-03	-4.19e-03	-1.26e-03	1.57e-03	-4.10e-03
50	68	50	0.50	0.36	-0.50	-0.05	-0.09	-0.43	-3.10e-03	-0.01	-9.98e-03	-5.36e-03	3.95e-03
		58	0.63	0.47	-0.60	-0.05	-0.09	-0.54	0.01	-1.32e-03	2.45e-03	6.88e-03	-5.56e-03
		59	0.46	0.49	-0.28	-0.03	0.24	-0.36	-4.70e-04	-0.01	-4.61e-03	-7.37e-03	5.34e-03
		51	0.42	0.55	-0.13	0.12	0.30	-0.32	2.72e-03	-7.16e-03	-5.12e-03	6.89e-04	-4.00e-03
50	69	50	0.55	0.39	-0.56	-0.05	-0.13	-0.47	-1.02e-03	-9.12e-03	-5.76e-03	-4.38e-03	3.99e-03
		58	0.67	0.52	-0.65	-0.03	-0.09	-0.58	0.01	1.50e-03	6.65e-03	7.77e-03	-5.68e-03
		59	0.50	0.53	-0.32	-0.02	0.23	-0.40	2.22e-03	-9.55e-03	-7.55e-04	-6.58e-03	5.11e-03
		51	0.45	0.56	-0.19	0.11	0.26	-0.37	4.50e-03	-4.18e-03	-1.26e-03	1.57e-03	-4.10e-03
50	70	50	0.50	0.36	-0.50	-0.05	-0.09	-0.43	-3.09e-03	-0.01	-9.97e-03	-5.36e-03	3.95e-03
		58	0.63	0.47	-0.60	-0.05	-0.09	-0.54	0.01	-1.31e-03	2.46e-03	6.89e-03	-5.56e-03
		59	0.46	0.49	-0.28	-0.03	0.24	-0.36	-4.63e-04	-0.01	-4.60e-03	-7.37e-03	5.35e-03
		51	0.42	0.55	-0.13	0.12	0.30	-0.32	2.73e-03	-7.15e-03	-5.12e-03	6.92e-04	-4.00e-03
50	71	50	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		59	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		51	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
50	72	50	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		59	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		51	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
50	73	50	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		59	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		51	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
50	74	50	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03

		59	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		51	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
50	75	50	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		59	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		51	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
50	76	50	0.52	0.37	-0.53	-0.05	-0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	3.97e-03
		58	0.65	0.49	-0.63	-0.04	-0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	-5.62e-03
		59	0.48	0.51	-0.30	-0.03	0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	5.23e-03
		51	0.44	0.55	-0.16	0.11	0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	-4.05e-03
51	1	51	0.48	0.49	-0.25	0.06	0.17	-0.37	1.04e-03	-0.03	-0.02	-7.89e-03	0.01
		59	0.67	0.55	-0.52	-0.11	0.14	-0.52	0.02	-0.01	5.67e-03	4.19e-03	-0.02
		60	0.26	0.32	-0.09	-0.09	0.32	0.03	0.01	-0.02	-4.36e-04	-2.34e-03	0.02
		52	0.25	0.39	0.13	0.14	0.38	-0.05	6.84e-03	-0.02	-0.01	-1.01e-03	-0.01
51	2	51	0.48	0.49	-0.25	0.06	0.17	-0.37	1.04e-03	-0.03	-0.02	-7.89e-03	0.01
		59	0.67	0.55	-0.52	-0.11	0.14	-0.52	0.02	-0.01	5.67e-03	4.19e-03	-0.02
		60	0.26	0.32	-0.09	-0.09	0.32	0.03	0.01	-0.02	-4.36e-04	-2.34e-03	0.02
		52	0.25	0.39	0.13	0.14	0.38	-0.05	6.84e-03	-0.02	-0.01	-1.01e-03	-0.01
51	3	51	0.37	0.37	-0.20	0.05	0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		59	0.51	0.42	-0.40	-0.09	0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
		60	0.20	0.25	-0.07	-0.07	0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		52	0.19	0.30	0.10	0.11	0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
51	4	51	0.37	0.37	-0.20	0.05	0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		59	0.51	0.42	-0.40	-0.09	0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
		60	0.20	0.25	-0.07	-0.07	0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		52	0.19	0.30	0.10	0.11	0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
51	5	51	0.37	0.37	-0.20	0.05	0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		59	0.51	0.42	-0.40	-0.09	0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
		60	0.20	0.25	-0.07	-0.07	0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		52	0.19	0.30	0.10	0.11	0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
51	6	51	0.37	0.37	-0.20	0.05	0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		59	0.51	0.42	-0.40	-0.09	0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
		60	0.20	0.25	-0.07	-0.07	0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		52	0.19	0.30	0.10	0.11	0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
51	7	51	21.01	32.63	1.11	5.01	28.74	10.37	-0.04	-0.33	-0.30	-0.06	0.08
		59	22.34	33.86	-1.39	4.86	27.60	-13.47	0.35	0.06	0.35	0.07	-0.04
		60	22.17	33.70	-1.11	4.93	27.66	13.18	0.34	0.06	0.33	0.07	0.04
		52	21.24	32.89	0.93	4.99	28.83	-10.64	-0.02	-0.31	-0.28	-0.05	-0.08
51	8	51	3.47	0.04	-5.28	-0.78	-4.47	-1.92	0.03	-0.02	0.03	-0.02	4.09e-03
		59	3.31	-0.04	-5.05	-0.77	-4.33	1.76	-0.02	-0.08	-0.07	-0.03	-0.03
		60	3.45	0.08	-5.19	-0.94	-4.17	-2.08	-1.56e-03	-0.07	-0.06	-9.21e-03	0.02
		52	3.20	-0.03	-4.95	-0.67	-4.31	1.65	0.04	2.69e-03	0.04	7.43e-03	-0.01
51	9	51	22.96	35.65	1.19	5.46	31.38	11.36	-0.04	-0.36	-0.33	-0.07	0.09
		59	24.36	36.94	-1.48	5.32	30.14	-14.67	0.39	0.07	0.38	0.07	-0.04
		60	24.20	36.79	-1.21	5.39	30.19	14.40	0.37	0.07	0.36	0.08	0.05
		52	23.18	35.89	1.01	5.44	31.46	-11.62	-0.03	-0.33	-0.31	-0.05	-0.09
51	10	51	1.52	0.12	-2.27	-0.32	-1.83	-0.93	6.39e-03	-0.03	2.31e-03	-0.02	0.01
		59	1.29	-0.12	-1.98	-0.31	-1.79	0.56	1.53e-04	-0.06	-0.04	-0.02	-0.03
		60	1.43	-0.02	-2.10	-0.48	-1.64	-0.86	0.01	-0.04	-0.03	-2.50e-03	0.02
		52	1.32	0.05	-1.95	-0.22	-1.68	0.68	0.03	-0.01	0.01	3.14e-03	-0.02
51	11	51	21.02	32.64	1.11	5.01	28.74	10.37	-0.04	-0.33	-0.30	-0.06	0.08
		59	22.34	33.86	-1.39	4.87	27.61	-13.46	0.35	0.06	0.35	0.07	-0.04
		60	22.17	33.71	-1.11	4.93	27.67	13.18	0.33	0.06	0.33	0.07	0.04
		52	21.24	32.89	0.93	4.99	28.83	-10.64	-0.02	-0.31	-0.28	-0.05	-0.08
51	12	51	3.47	0.04	-5.29	-0.78	-4.47	-1.92	0.03	-0.02	0.03	-0.02	4.09e-03
		59	3.31	-0.05	-5.05	-0.77	-4.33	1.76	-0.02	-0.08	-0.07	-0.03	-0.03
		60	3.46	0.08	-5.19	-0.94	-4.17	-2.08	-1.53e-03	-0.07	-0.06	-9.18e-03	0.02
		52	3.20	-0.03	-4.95	-0.67	-4.31	1.65	0.04	2.73e-03	0.04	7.44e-03	-0.01
51	13	51	22.96	35.65	1.19	5.47	31.38	11.36	-0.04	-0.36	-0.33	-0.07	0.09
		59	24.36	36.94	-1.48	5.32	30.14	-14.66	0.38	0.07	0.38	0.07	-0.04
		60	24.20	36.80	-1.21	5.39	30.19	14.40	0.37	0.07	0.36	0.08	0.05
		52	23.18	35.89	1.01	5.44	31.46	-11.61	-0.03	-0.33	-0.31	-0.05	-0.09
51	14	51	1.53	0.13	-2.28	-0.32	-1.83	-0.94	6.72e-03	-0.03	2.67e-03	-0.02	0.01
		59	1.29	-0.13	-1.98	-0.31	-1.80	0.56	3.76e-04	-0.06	-0.04	-0.02	-0.03
		60	1.44	-0.02	-2.10	-0.48	-1.64	-0.87	0.01	-0.04	-0.03	-2.47e-03	0.02
		52	1.32	0.05	-1.95	-0.22	-1.68	0.68	0.03	-0.01	0.01	3.16e-03	-0.02
51	15	51	21.01	32.63	1.11	5.01	28.74	10.37	-0.04	-0.33	-0.30	-0.06	0.08
		59	22.34	33.86	-1.39	4.86	27.60	-13.47	0.35	0.06	0.35	0.07	-0.04
		60	22.17	33.70	-1.11	4.93	27.66	13.18	0.34	0.06	0.33	0.07	0.04
		52	21.24	32.89	0.93	4.99	28.83	-10.64	-0.02	-0.31	-0.28	-0.05	-0.08
51	16	51	3.47	0.04	-5.28	-0.78	-4.47	-1.92	0.03	-0.02	0.03	-0.02	4.10e-03
		59	3.31	-0.04	-5.05	-0.77	-4.33	1.76	-0.02	-0.08	-0.07	-0.03	-0.03
		60	3.45	0.08	-5.19	-0.94	-4.17	-2.08	-1.58e-03	-0.07	-0.06	-9.21e-03	0.02
		52	3.20	-0.03	-4.95	-0.67	-4.31	1.65	0.04	2.70e-03	0.04	7.43e-03	-0.01
51	17	51	22.96	35.65	1.19	5.46	31.38	11.36	-0.04	-0.36	-0.33	-0.07	0.09
		59	24.36	36.94	-1.48	5.32	30.14	-14.67	0.39	0.07	0.38	0.07	-0.04
		60	24.20	36.79	-1.21	5.39	30.19	14.40	0.37	0.07	0.36	0.08	0.05

		52	23.18	35.89	1.01	5.44	31.46	-11.62	-0.03	-0.33	-0.31	-0.05	-0.09
51	18	51	1.52	0.12	-2.28	-0.32	-1.83	-0.93	6.38e-03	-0.03	2.31e-03	-0.02	0.01
		59	1.29	-0.12	-1.98	-0.31	-1.79	0.56	1.46e-04	-0.06	-0.04	-0.02	-0.03
		60	1.43	-0.02	-2.10	-0.48	-1.64	-0.86	0.01	-0.04	-0.03	-2.50e-03	0.02
		52	1.32	0.05	-1.95	-0.22	-1.68	0.68	0.03	-0.01	0.01	3.14e-03	-0.02
51	19	51	21.02	32.64	1.11	5.01	28.74	10.37	-0.04	-0.33	-0.30	-0.06	0.08
		59	22.34	33.86	-1.39	4.87	27.61	-13.46	0.35	0.06	0.35	0.07	-0.04
		60	22.17	33.71	-1.11	4.93	27.67	13.19	0.33	0.06	0.33	0.07	0.04
		52	21.24	32.89	0.93	4.99	28.83	-10.64	-0.02	-0.31	-0.28	-0.05	-0.08
51	20	51	3.47	0.04	-5.29	-0.78	-4.47	-1.92	0.03	-0.02	0.03	-0.02	4.10e-03
		59	3.31	-0.05	-5.05	-0.77	-4.33	1.76	-0.02	-0.08	-0.07	-0.03	-0.03
		60	3.46	0.08	-5.19	-0.94	-4.17	-2.08	-1.55e-03	-0.07	-0.06	-9.18e-03	0.02
		52	3.20	-0.03	-4.95	-0.67	-4.31	1.65	0.04	2.74e-03	0.04	7.45e-03	-0.01
51	21	51	22.96	35.65	1.19	5.47	31.38	11.36	-0.04	-0.36	-0.33	-0.07	0.09
		59	24.36	36.94	-1.48	5.32	30.14	-14.66	0.38	0.07	0.38	0.07	-0.04
		60	24.20	36.80	-1.21	5.39	30.19	14.40	0.37	0.07	0.36	0.08	0.05
		52	23.18	35.89	1.01	5.44	31.46	-11.61	-0.03	-0.33	-0.31	-0.05	-0.09
51	22	51	1.53	0.13	-2.28	-0.32	-1.83	-0.94	6.70e-03	-0.03	2.67e-03	-0.02	0.01
		59	1.29	-0.13	-1.98	-0.31	-1.80	0.56	3.69e-04	-0.06	-0.04	-0.02	-0.03
		60	1.44	-0.02	-2.10	-0.48	-1.64	-0.87	0.01	-0.04	-0.03	-2.47e-03	0.02
		52	1.32	0.05	-1.95	-0.22	-1.68	0.68	0.03	-0.01	0.01	3.16e-03	-0.02
51	23	51	80.60	124.94	3.56	19.01	109.48	40.46	-0.14	-1.21	-1.12	-0.23	0.29
		59	84.31	128.34	-4.29	18.84	105.21	-50.32	1.33	0.23	1.31	0.25	-0.12
		60	84.27	128.27	-4.16	19.06	105.06	50.35	1.27	0.26	1.25	0.27	0.13
		52	80.65	124.87	3.27	18.77	109.38	-40.55	-0.10	-1.13	-1.05	-0.18	-0.28
51	24	51	0.98	-0.05	-1.42	-0.27	-1.20	-0.50	-1.44e-03	-0.08	-0.01	-0.07	0.03
		59	1.11	0.20	-1.37	0.07	-1.24	0.44	2.97e-03	-0.15	-0.07	-0.08	-0.08
		60	1.03	-0.20	-1.36	-0.52	-1.04	-0.52	0.05	-0.08	-0.04	8.92e-03	0.06
		52	0.98	0.09	-1.25	-0.08	-1.08	0.44	0.07	-0.04	0.02	3.46e-03	-0.05
51	25	51	81.19	125.84	3.58	19.15	110.27	40.76	-0.14	-1.22	-1.13	-0.23	0.30
		59	84.92	129.26	-4.31	18.98	105.97	-50.68	1.34	0.23	1.32	0.25	-0.12
		60	84.88	129.20	-4.19	19.19	105.82	50.72	1.28	0.26	1.26	0.28	0.14
		52	81.23	125.77	3.30	18.90	110.17	-40.84	-0.10	-1.14	-1.06	-0.18	-0.28
51	26	51	0.42	-0.02	-0.52	-0.13	-0.41	-0.21	-7.22e-03	-0.09	-0.02	-0.07	0.03
		59	0.56	0.21	-0.48	0.20	-0.48	0.08	9.62e-03	-0.15	-0.06	-0.08	-0.08
		60	0.46	-0.17	-0.49	-0.39	-0.28	-0.15	0.05	-0.07	-0.03	0.01	0.06
		52	0.46	0.11	-0.35	0.05	-0.29	0.15	0.06	-0.05	0.01	2.18e-03	-0.06
51	27	51	80.60	124.94	3.56	19.01	109.48	40.46	-0.14	-1.21	-1.12	-0.23	0.29
		59	84.31	128.34	-4.29	18.84	105.21	-50.32	1.33	0.23	1.31	0.25	-0.12
		60	84.27	128.27	-4.16	19.06	105.06	50.35	1.27	0.26	1.25	0.27	0.13
		52	80.65	124.87	3.27	18.77	109.38	-40.55	-0.10	-1.13	-1.05	-0.18	-0.28
51	28	51	0.98	-0.05	-1.42	-0.27	-1.20	-0.50	-1.44e-03	-0.08	-0.01	-0.07	0.03
		59	1.11	0.20	-1.37	0.07	-1.24	0.44	2.98e-03	-0.15	-0.07	-0.08	-0.08
		60	1.03	-0.20	-1.36	-0.52	-1.04	-0.52	0.05	-0.08	-0.04	8.92e-03	0.06
		52	0.98	0.09	-1.25	-0.08	-1.08	0.44	0.07	-0.04	0.02	3.46e-03	-0.05
51	29	51	81.19	125.84	3.58	19.15	110.27	40.76	-0.14	-1.22	-1.13	-0.23	0.30
		59	84.92	129.26	-4.32	18.98	105.97	-50.68	1.34	0.23	1.32	0.25	-0.12
		60	84.88	129.20	-4.19	19.19	105.82	50.72	1.28	0.26	1.26	0.28	0.14
		52	81.23	125.77	3.30	18.90	110.17	-40.84	-0.10	-1.14	-1.06	-0.18	-0.28
51	30	51	0.42	-0.02	-0.52	-0.13	-0.41	-0.21	-7.23e-03	-0.09	-0.02	-0.07	0.03
		59	0.56	0.21	-0.48	0.20	-0.48	0.08	9.62e-03	-0.15	-0.06	-0.08	-0.08
		60	0.46	-0.17	-0.49	-0.39	-0.28	-0.15	0.05	-0.07	-0.03	0.01	0.06
		52	0.46	0.11	-0.35	0.05	-0.29	0.15	0.06	-0.05	0.01	2.18e-03	-0.06
51	31	51	80.61	124.96	3.56	19.02	109.49	40.47	-0.14	-1.21	-1.12	-0.23	0.29
		59	84.30	128.33	-4.27	18.85	105.21	-50.31	1.33	0.23	1.31	0.25	-0.12
		60	84.28	128.29	-4.16	19.06	105.07	50.36	1.27	0.26	1.25	0.27	0.13
		52	80.64	124.88	3.29	18.77	109.39	-40.53	-0.10	-1.13	-1.05	-0.18	-0.28
51	32	51	1.00	-0.05	-1.44	-0.28	-1.22	-0.52	-3.47e-04	-0.08	-9.48e-03	-0.07	0.03
		59	1.10	0.19	-1.37	0.06	-1.24	0.43	3.84e-03	-0.15	-0.07	-0.08	-0.08
		60	1.04	-0.20	-1.38	-0.52	-1.05	-0.53	0.05	-0.08	-0.04	9.02e-03	0.06
		52	0.98	0.07	-1.25	-0.09	-1.09	0.43	0.07	-0.04	0.02	3.53e-03	-0.05
51	33	51	81.20	125.86	3.58	19.16	110.28	40.77	-0.14	-1.22	-1.13	-0.23	0.30
		59	84.91	129.26	-4.30	18.98	105.97	-50.67	1.34	0.23	1.32	0.25	-0.12
		60	84.89	129.22	-4.19	19.20	105.83	50.73	1.28	0.26	1.26	0.28	0.14
		52	81.23	125.78	3.31	18.91	110.18	-40.83	-0.10	-1.14	-1.06	-0.18	-0.28
51	34	51	0.43	-0.02	-0.54	-0.14	-0.43	-0.22	-6.16e-03	-0.09	-0.02	-0.07	0.03
		59	0.55	0.20	-0.49	0.20	-0.48	0.07	0.01	-0.15	-0.06	-0.07	-0.08
		60	0.48	-0.17	-0.51	-0.39	-0.29	-0.16	0.05	-0.07	-0.03	0.01	0.06
		52	0.45	0.10	-0.35	0.05	-0.30	0.14	0.06	-0.05	0.01	2.24e-03	-0.06
51	35	51	80.61	124.96	3.56	19.02	109.49	40.47	-0.14	-1.21	-1.12	-0.23	0.29
		59	84.30	128.33	-4.27	18.85	105.21	-50.31	1.33	0.23	1.31	0.25	-0.12
		60	84.28	128.29	-4.16	19.06	105.07	50.36	1.27	0.26	1.25	0.27	0.13
		52	80.64	124.88	3.29	18.77	109.39	-40.53	-0.10	-1.13	-1.05	-0.18	-0.28
51	36	51	1.00	-0.05	-1.44	-0.28	-1.22	-0.52	-3.43e-04	-0.08	-9.48e-03	-0.07	0.03
		59	1.10	0.19	-1.37	0.06	-1.24	0.43	3.84e-03	-0.15	-0.07	-0.08	-0.08
		60	1.04	-0.20	-1.38	-0.52	-1.05	-0.53	0.05	-0.08	-0.04	9.02e-03	0.06
		52	0.98	0.07	-1.25	-0.09	-1.09	0.43	0.07	-0.04	0.02	3.53e-03	-0.05

51	37	51	81.20	125.86	3.58	19.16	110.28	40.77	-0.14	-1.22	-1.13	-0.23	0.30
		59	84.91	129.26	-4.30	18.98	105.97	-50.67	1.34	0.23	1.32	0.25	-0.12
		60	84.89	129.22	-4.19	19.20	105.83	50.73	1.28	0.26	1.26	0.28	0.14
		52	81.23	125.78	3.31	18.91	110.18	-40.83	-0.10	-1.14	-1.06	-0.18	-0.28
51	38	51	0.43	-0.02	-0.54	-0.14	-0.43	-0.22	-6.16e-03	-0.09	-0.02	-0.07	0.03
		59	0.55	0.20	-0.49	0.20	-0.48	0.07	0.01	-0.15	-0.06	-0.07	-0.08
		60	0.48	-0.17	-0.51	-0.39	-0.29	-0.16	0.05	-0.07	-0.03	0.01	0.06
		52	0.45	0.10	-0.35	0.05	-0.30	0.14	0.06	-0.05	0.01	2.24e-03	-0.06
51	39	51	0.39	0.39	-0.21	0.05	0.13	-0.30	1.05e-03	-0.02	-0.01	-5.94e-03	0.01
		59	0.53	0.44	-0.42	-0.09	0.11	-0.42	0.02	-8.21e-03	4.81e-03	3.33e-03	-0.01
		60	0.20	0.24	-0.07	-0.07	0.24	3.27e-03	0.01	-0.01	-9.14e-05	-1.74e-03	0.01
		52	0.20	0.30	0.09	0.11	0.29	-0.06	5.38e-03	-0.02	-0.01	-6.80e-04	-9.78e-03
51	40	51	0.35	0.36	-0.18	0.04	0.14	-0.26	5.22e-04	-0.02	-0.02	-6.24e-03	0.01
		59	0.49	0.41	-0.39	-0.09	0.11	-0.38	0.02	-8.67e-03	3.89e-03	3.09e-03	-0.01
		60	0.21	0.25	-0.08	-0.07	0.25	0.04	0.01	-0.01	-5.84e-04	-1.89e-03	0.01
		52	0.18	0.30	0.11	0.11	0.30	-0.02	5.12e-03	-0.02	-0.01	-9.07e-04	-9.84e-03
51	41	51	0.39	0.39	-0.21	0.05	0.13	-0.30	1.09e-03	-0.02	-0.01	-5.90e-03	0.01
		59	0.53	0.44	-0.42	-0.09	0.11	-0.42	0.02	-8.18e-03	4.84e-03	3.35e-03	-0.01
		60	0.20	0.24	-0.07	-0.07	0.24	3.33e-03	0.01	-0.01	-8.62e-05	-1.72e-03	0.01
		52	0.20	0.30	0.09	0.11	0.29	-0.06	5.40e-03	-0.02	-0.01	-6.74e-04	-9.78e-03
51	42	51	0.35	0.36	-0.18	0.05	0.14	-0.26	5.63e-04	-0.02	-0.02	-6.20e-03	0.01
		59	0.49	0.41	-0.38	-0.09	0.11	-0.38	0.02	-8.65e-03	3.92e-03	3.12e-03	-0.01
		60	0.21	0.25	-0.08	-0.07	0.25	0.04	0.01	-0.01	-5.79e-04	-1.87e-03	0.01
		52	0.18	0.30	0.11	0.11	0.30	-0.02	5.14e-03	-0.02	-0.01	-6.97e-04	-9.83e-03
51	43	51	0.39	0.39	-0.21	0.05	0.13	-0.30	9.90e-04	-0.02	-0.01	-5.96e-03	0.01
		59	0.53	0.44	-0.42	-0.09	0.11	-0.42	0.02	-8.27e-03	4.68e-03	3.30e-03	-0.01
		60	0.20	0.24	-0.07	-0.07	0.24	4.59e-03	0.01	-0.01	-1.56e-04	-1.75e-03	0.01
		52	0.20	0.31	0.09	0.11	0.29	-0.06	5.35e-03	-0.02	-0.01	-6.78e-04	-9.78e-03
51	44	51	0.35	0.36	-0.18	0.04	0.14	-0.27	5.76e-04	-0.02	-0.02	-6.22e-03	0.01
		59	0.50	0.41	-0.39	-0.09	0.11	-0.39	0.02	-8.61e-03	4.02e-03	3.12e-03	-0.01
		60	0.21	0.25	-0.08	-0.07	0.25	0.04	0.01	-0.01	-5.19e-04	-1.88e-03	0.01
		52	0.18	0.30	0.11	0.11	0.29	-0.03	5.15e-03	-0.02	-0.01	-9.00e-04	-9.84e-03
51	45	51	0.39	0.39	-0.21	0.05	0.13	-0.30	1.03e-03	-0.02	-0.01	-5.92e-03	0.01
		59	0.53	0.44	-0.42	-0.09	0.11	-0.42	0.02	-8.24e-03	4.71e-03	3.33e-03	-0.01
		60	0.19	0.24	-0.07	-0.07	0.24	4.65e-03	0.01	-0.01	-1.51e-04	-1.73e-03	0.01
		52	0.20	0.31	0.09	0.11	0.29	-0.06	5.37e-03	-0.02	-0.01	-6.54e-04	-9.78e-03
51	46	51	0.35	0.36	-0.18	0.04	0.14	-0.27	6.17e-04	-0.02	-0.02	-6.18e-03	0.01
		59	0.50	0.41	-0.39	-0.09	0.11	-0.39	0.02	-8.59e-03	4.05e-03	3.14e-03	-0.01
		60	0.21	0.25	-0.08	-0.07	0.25	0.04	0.01	-0.01	-5.14e-04	-1.86e-03	0.01
		52	0.18	0.30	0.11	0.11	0.29	-0.03	5.17e-03	-0.02	-0.01	-8.66e-04	-9.83e-03
51	47	51	0.39	0.39	-0.21	0.05	0.13	-0.30	1.05e-03	-0.02	-0.01	-5.94e-03	0.01
		59	0.53	0.44	-0.42	-0.09	0.11	-0.42	0.02	-8.21e-03	4.82e-03	3.33e-03	-0.01
		60	0.20	0.24	-0.07	-0.07	0.24	3.33e-03	0.01	-0.01	-9.26e-05	-1.74e-03	0.01
		52	0.20	0.30	0.09	0.11	0.29	-0.06	5.37e-03	-0.02	-0.01	-6.80e-04	-9.78e-03
51	48	51	0.35	0.36	-0.18	0.04	0.14	-0.26	5.28e-04	-0.02	-0.02	-6.24e-03	0.01
		59	0.49	0.41	-0.38	-0.09	0.11	-0.38	0.02	-8.67e-03	3.89e-03	3.09e-03	-0.01
		60	0.21	0.25	-0.08	-0.07	0.25	0.04	0.01	-0.01	-5.85e-04	-1.89e-03	0.01
		52	0.18	0.30	0.11	0.11	0.30	-0.02	5.12e-03	-0.02	-0.01	-9.07e-04	-9.83e-03
51	49	51	0.39	0.39	-0.21	0.05	0.13	-0.30	1.08e-03	-0.02	-0.01	-5.90e-03	0.01
		59	0.53	0.44	-0.42	-0.09	0.11	-0.42	0.02	-8.18e-03	4.84e-03	3.35e-03	-0.01
		60	0.20	0.24	-0.07	-0.07	0.24	3.28e-03	0.01	-0.01	-8.51e-05	-1.72e-03	0.01
		52	0.20	0.30	0.09	0.11	0.29	-0.06	5.40e-03	-0.02	-0.01	-6.47e-04	-9.78e-03
51	50	51	0.35	0.36	-0.18	0.05	0.14	-0.26	5.57e-04	-0.02	-0.02	-6.20e-03	0.01
		59	0.49	0.41	-0.38	-0.09	0.11	-0.38	0.02	-8.65e-03	3.91e-03	3.12e-03	-0.01
		60	0.21	0.25	-0.08	-0.07	0.25	0.04	0.01	-0.01	-5.78e-04	-1.87e-03	0.01
		52	0.18	0.30	0.11	0.11	0.30	-0.02	5.15e-03	-0.02	-0.01	-8.74e-04	-9.83e-03
51	51	51	0.39	0.39	-0.21	0.05	0.13	-0.30	9.97e-04	-0.02	-0.01	-5.96e-03	0.01
		59	0.53	0.44	-0.42	-0.09	0.11	-0.42	0.02	-8.27e-03	4.68e-03	3.30e-03	-0.01
		60	0.20	0.24	-0.07	-0.07	0.24	4.65e-03	0.01	-0.01	-1.57e-04	-1.75e-03	0.01
		52	0.20	0.31	0.09	0.11	0.29	-0.06	5.35e-03	-0.02	-0.01	-6.87e-04	-9.78e-03
51	52	51	0.35	0.36	-0.18	0.04	0.14	-0.27	5.82e-04	-0.02	-0.02	-6.22e-03	0.01
		59	0.50	0.41	-0.39	-0.09	0.11	-0.39	0.02	-8.61e-03	4.02e-03	3.12e-03	-0.01
		60	0.21	0.25	-0.08	-0.07	0.25	0.04	0.01	-0.01	-5.20e-04	-1.88e-03	0.01
		52	0.18	0.30	0.11	0.11	0.29	-0.03	5.14e-03	-0.02	-0.01	-9.00e-04	-9.83e-03
51	53	51	0.39	0.39	-0.21	0.05	0.13	-0.30	1.03e-03	-0.02	-0.01	-5.92e-03	0.01
		59	0.53	0.44	-0.42	-0.09	0.11	-0.42	0.02	-8.24e-03	4.71e-03	3.33e-03	-0.01
		60	0.20	0.24	-0.07	-0.07	0.24	4.60e-03	0.01	-0.01	-1.50e-04	-1.73e-03	0.01
		52	0.20	0.31	0.09	0.11	0.29	-0.06	5.38e-03	-0.02	-0.01	-6.54e-04	-9.78e-03
51	54	51	0.35	0.36	-0.18	0.04	0.14	-0.27	6.11e-04	-0.02	-0.02	-6.18e-03	0.01
		59	0.50	0.41	-0.39	-0.09	0.11	-0.39	0.02	-8.58e-03	4.05e-03	3.14e-03	-0.01
		60	0.21	0.25	-0.08	-0.07	0.25	0.04	0.01	-0.01	-5.13e-04	-1.86e-03	0.01
		52	0.18	0.30	0.11	0.11	0.29	-0.03	5.17e-03	-0.02	-0.01	-8.67e-04	-9.84e-03
51	55	51	0.43	0.42	-0.26	0.05	0.12	-0.34	1.68e-03	-0.02	-0.01	-5.58e-03	0.01
		59	0.58	0.48	-0.46	-0.08	0.11	-0.46	0.02	-7.66e-03	5.91e-03	3.61e-03	-0.01
		60	0.21	0.24	-0.08	-0.07	0.24	-0.04	0.01	-0.01	4.85e-04	-1.55e-03	0.01
		52	0.22	0.32	0.06	0.11	0.28	-0.10	5.68e-03	-0.02	-9.84e-03	-4.04e-04	-9.72e-03
51	56	51	0.31	0.32	-0.13	0.04	0.15	-0.22	-6.55e-05	-0.02	-0.02	-6.57e-03	0.01



		60	0.20	0.25	-0.07	-0.07	0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		52	0.19	0.30	0.10	0.11	0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
51	76	51	0.37	0.37	-0.20	0.05	0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		59	0.51	0.42	-0.40	-0.09	0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
		60	0.20	0.25	-0.07	-0.07	0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		52	0.19	0.30	0.10	0.11	0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
52	1	52	0.25	0.39	0.13	0.14	0.38	0.05	6.84e-03	-0.02	-0.01	-1.01e-03	0.01
		60	0.26	0.32	-0.09	-0.09	0.32	-0.03	0.01	-0.02	-4.36e-04	-2.34e-03	-0.02
		61	0.67	0.55	-0.52	-0.11	0.14	0.52	0.02	-0.01	5.67e-03	4.19e-03	0.02
		53	0.48	0.49	-0.25	0.06	0.17	0.37	1.04e-03	-0.03	-0.02	-7.89e-03	-0.01
52	2	52	0.25	0.39	0.13	0.14	0.38	0.05	6.84e-03	-0.02	-0.01	-1.01e-03	0.01
		60	0.26	0.32	-0.09	-0.09	0.32	-0.03	0.01	-0.02	-4.36e-04	-2.34e-03	-0.02
		61	0.67	0.55	-0.52	-0.11	0.14	0.52	0.02	-0.01	5.67e-03	4.19e-03	0.02
		53	0.48	0.49	-0.25	0.06	0.17	0.37	1.04e-03	-0.03	-0.02	-7.89e-03	-0.01
52	3	52	0.19	0.30	0.10	0.11	0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		60	0.20	0.25	-0.07	-0.07	0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
		61	0.51	0.42	-0.40	-0.09	0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		53	0.37	0.37	-0.20	0.05	0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
52	4	52	0.19	0.30	0.10	0.11	0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		60	0.20	0.25	-0.07	-0.07	0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
		61	0.51	0.42	-0.40	-0.09	0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		53	0.37	0.37	-0.20	0.05	0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
52	5	52	0.19	0.30	0.10	0.11	0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		60	0.20	0.25	-0.07	-0.07	0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
		61	0.51	0.42	-0.40	-0.09	0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		53	0.37	0.37	-0.20	0.05	0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
52	6	52	0.19	0.30	0.10	0.11	0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		60	0.20	0.25	-0.07	-0.07	0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
		61	0.51	0.42	-0.40	-0.09	0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		53	0.37	0.37	-0.20	0.05	0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
52	7	52	21.19	32.85	1.00	4.99	28.85	10.55	-0.02	-0.31	-0.28	-0.05	0.08
		60	22.24	33.78	-1.17	4.93	27.67	-13.27	0.33	0.06	0.33	0.07	-0.04
		61	22.27	33.79	-1.32	4.86	27.61	13.37	0.35	0.06	0.34	0.07	0.04
		53	21.08	32.71	1.05	5.00	28.76	-10.46	-0.04	-0.33	-0.31	-0.06	-0.08
52	8	52	3.15	-0.10	-4.91	-0.67	-4.33	-1.56	0.04	3.49e-03	0.04	8.04e-03	0.01
		60	3.53	0.15	-5.27	-0.94	-4.17	2.17	-1.28e-03	-0.07	-0.06	-8.80e-03	-0.02
		61	3.25	-0.10	-4.99	-0.76	-4.34	-1.67	-0.01	-0.08	-0.07	-0.03	0.03
		53	3.54	0.11	-5.37	-0.78	-4.49	2.01	0.03	-0.02	0.03	-0.02	-4.19e-03
52	9	52	23.13	35.85	1.08	5.44	31.48	11.52	-0.03	-0.34	-0.31	-0.05	0.09
		60	24.27	36.87	-1.28	5.40	30.20	-14.49	0.36	0.07	0.36	0.08	-0.05
		61	24.29	36.88	-1.41	5.32	30.14	14.57	0.38	0.07	0.38	0.07	0.04
		53	23.03	35.73	1.13	5.46	31.40	-11.45	-0.04	-0.36	-0.33	-0.07	-0.09
52	10	52	1.27	-0.02	-1.91	-0.22	-1.70	-0.59	0.03	-0.01	0.01	3.75e-03	0.02
		60	1.51	0.05	-2.18	-0.48	-1.65	0.95	0.01	-0.04	-0.03	-2.08e-03	-0.02
		61	1.24	-0.17	-1.94	-0.31	-1.80	-0.47	1.79e-03	-0.06	-0.03	-0.02	0.03
		53	1.60	0.20	-2.36	-0.32	-1.85	1.03	8.75e-03	-0.03	4.83e-03	-0.02	-0.01
52	11	52	21.19	32.84	0.99	4.99	28.85	10.55	-0.02	-0.31	-0.28	-0.05	0.08
		60	22.24	33.78	-1.17	4.93	27.67	-13.27	0.33	0.06	0.33	0.07	-0.04
		61	22.27	33.79	-1.33	4.86	27.61	13.38	0.35	0.06	0.35	0.07	0.04
		53	21.08	32.70	1.05	5.00	28.75	-10.46	-0.04	-0.33	-0.31	-0.06	-0.08
52	12	52	3.15	-0.09	-4.91	-0.67	-4.33	-1.56	0.04	3.45e-03	0.04	8.02e-03	0.01
		60	3.53	0.15	-5.26	-0.94	-4.17	2.17	-1.30e-03	-0.07	-0.06	-8.83e-03	-0.02
		61	3.25	-0.10	-4.99	-0.76	-4.33	-1.67	-0.01	-0.08	-0.07	-0.03	0.03
		53	3.54	0.10	-5.36	-0.77	-4.48	2.01	0.03	-0.02	0.03	-0.02	-4.19e-03
52	13	52	23.13	35.85	1.07	5.44	31.48	11.53	-0.03	-0.34	-0.31	-0.05	0.09
		60	24.27	36.87	-1.27	5.39	30.20	-14.49	0.36	0.07	0.36	0.08	-0.05
		61	24.29	36.88	-1.42	5.31	30.14	14.58	0.38	0.07	0.38	0.07	0.04
		53	23.03	35.72	1.13	5.46	31.39	-11.45	-0.04	-0.36	-0.33	-0.07	-0.09
52	14	52	1.27	-0.01	-1.90	-0.22	-1.70	-0.59	0.03	-0.01	0.01	3.73e-03	0.02
		60	1.51	0.05	-2.18	-0.48	-1.64	0.95	0.01	-0.04	-0.03	-2.11e-03	-0.02
		61	1.24	-0.17	-1.94	-0.30	-1.80	-0.47	1.56e-03	-0.06	-0.03	-0.02	0.03
		53	1.60	0.20	-2.36	-0.32	-1.85	1.02	8.42e-03	-0.03	4.46e-03	-0.02	-0.01
52	15	52	21.19	32.85	1.00	4.99	28.85	10.55	-0.02	-0.31	-0.28	-0.05	0.08
		60	22.24	33.78	-1.17	4.93	27.67	-13.27	0.33	0.06	0.33	0.07	-0.04
		61	22.27	33.79	-1.32	4.86	27.61	13.37	0.35	0.06	0.34	0.07	0.04
		53	21.08	32.71	1.05	5.00	28.76	-10.46	-0.04	-0.33	-0.31	-0.06	-0.08
52	16	52	3.15	-0.10	-4.91	-0.67	-4.33	-1.56	0.04	3.48e-03	0.04	8.04e-03	0.01
		60	3.53	0.15	-5.27	-0.94	-4.17	2.17	-1.26e-03	-0.07	-0.06	-8.79e-03	-0.02
		61	3.25	-0.10	-4.99	-0.76	-4.34	-1.67	-0.01	-0.08	-0.07	-0.03	0.03
		53	3.54	0.11	-5.37	-0.78	-4.49	2.01	0.03	-0.02	0.03	-0.02	-4.18e-03
52	17	52	23.13	35.85	1.08	5.44	31.48	11.52	-0.03	-0.34	-0.31	-0.05	0.09
		60	24.27	36.87	-1.28	5.40	30.20	-14.49	0.36	0.07	0.36	0.08	-0.05
		61	24.29	36.88	-1.41	5.32	30.14	14.57	0.38	0.07	0.38	0.07	0.04
		53	23.03	35.73	1.13	5.46	31.40	-11.45	-0.04	-0.36	-0.33	-0.07	-0.09
52	18	52	1.27	-0.02	-1.91	-0.22	-1.70	-0.59	0.03	-0.01	0.01	3.75e-03	0.02
		60	1.51	0.05	-2.18	-0.48	-1.65	0.95	0.01	-0.04	-0.03	-2.08e-03	-0.02
		61	1.24	-0.17	-1.94	-0.31	-1.80	-0.47	1.79e-03	-0.06	-0.03	-0.02	0.03

		53	1.60	0.20	-2.36	-0.32	-1.85	1.03	8.76e-03	-0.03	4.82e-03	-0.02	-0.01
52	19	52	21.19	32.85	0.99	4.99	28.85	10.55	-0.02	-0.31	-0.28	-0.05	0.08
		60	22.24	33.78	-1.17	4.93	27.67	-13.27	0.33	0.06	0.33	0.07	-0.04
		61	22.27	33.79	-1.33	4.86	27.61	13.38	0.35	0.06	0.35	0.07	0.04
		53	21.08	32.70	1.05	5.00	28.75	-10.46	-0.04	-0.33	-0.31	-0.06	-0.08
52	20	52	3.15	-0.09	-4.91	-0.67	-4.33	-1.56	0.04	3.45e-03	0.04	8.02e-03	0.01
		60	3.53	0.15	-5.26	-0.94	-4.17	2.17	-1.28e-03	-0.07	-0.06	-8.82e-03	-0.02
		61	3.25	-0.10	-4.99	-0.76	-4.33	-1.67	-0.01	-0.08	-0.07	-0.03	0.03
		53	3.54	0.11	-5.36	-0.77	-4.48	2.01	0.03	-0.02	0.03	-0.02	-4.18e-03
52	21	52	23.13	35.85	1.07	5.44	31.48	11.53	-0.03	-0.34	-0.31	-0.05	0.09
		60	24.27	36.87	-1.27	5.39	30.20	-14.49	0.36	0.07	0.36	0.08	-0.05
		61	24.29	36.88	-1.42	5.31	30.14	14.58	0.38	0.07	0.38	0.07	0.04
		53	23.03	35.72	1.13	5.46	31.39	-11.45	-0.04	-0.36	-0.33	-0.07	-0.09
52	22	52	1.27	-0.01	-1.90	-0.22	-1.70	-0.59	0.03	-0.01	0.01	3.73e-03	0.02
		60	1.51	0.05	-2.18	-0.48	-1.64	0.95	0.01	-0.04	-0.03	-2.12e-03	-0.02
		61	1.24	-0.17	-1.94	-0.30	-1.80	-0.47	1.56e-03	-0.06	-0.03	-0.02	0.03
		53	1.60	0.20	-2.36	-0.32	-1.85	1.02	8.43e-03	-0.03	4.46e-03	-0.02	-0.01
52	23	52	80.48	124.73	3.50	18.78	109.45	40.24	-0.10	-1.14	-1.06	-0.18	0.28
		60	84.52	128.53	-4.38	19.06	105.09	-50.66	1.27	0.25	1.25	0.27	-0.14
		61	84.10	128.12	-4.06	18.83	105.23	50.01	1.32	0.23	1.31	0.24	0.12
		53	80.84	125.20	3.35	19.00	109.55	-40.77	-0.14	-1.21	-1.13	-0.23	-0.29
52	24	52	0.80	-0.08	-1.17	-0.10	-1.15	-0.13	0.07	-0.04	0.02	5.50e-03	0.05
		60	1.32	0.07	-1.67	-0.53	-1.07	0.83	0.05	-0.07	-0.04	0.01	-0.06
		61	0.97	0.10	-1.27	0.08	-1.26	-0.13	9.22e-03	-0.15	-0.06	-0.07	0.08
		53	1.22	0.19	-1.72	-0.26	-1.27	0.81	6.51e-03	-0.08	-2.31e-03	-0.07	-0.03
52	25	52	81.06	125.63	3.53	18.92	110.24	40.53	-0.10	-1.15	-1.06	-0.18	0.28
		60	85.13	129.46	-4.41	19.20	105.85	-51.03	1.28	0.26	1.26	0.28	-0.14
		61	84.70	129.04	-4.09	18.96	105.99	50.37	1.33	0.23	1.32	0.25	0.12
		53	81.42	126.11	3.37	19.14	110.34	-41.07	-0.14	-1.22	-1.14	-0.23	-0.30
52	26	52	0.49	0.09	-0.41	0.04	-0.36	0.16	0.07	-0.05	0.02	4.22e-03	0.06
		60	0.79	0.11	-0.81	-0.39	-0.31	0.46	0.05	-0.07	-0.03	0.01	-0.06
		61	0.78	0.29	-0.57	0.22	-0.50	0.23	0.02	-0.14	-0.05	-0.07	0.08
		53	0.71	0.24	-0.85	-0.13	-0.48	0.52	5.79e-04	-0.08	-0.01	-0.07	-0.03
52	27	52	80.48	124.73	3.50	18.78	109.45	40.24	-0.10	-1.14	-1.06	-0.18	0.28
		60	84.52	128.53	-4.38	19.06	105.09	-50.66	1.27	0.25	1.25	0.27	-0.14
		61	84.10	128.12	-4.06	18.83	105.23	50.01	1.32	0.23	1.31	0.24	0.12
		53	80.84	125.20	3.35	19.00	109.55	-40.77	-0.14	-1.21	-1.13	-0.23	-0.29
52	28	52	0.80	-0.08	-1.17	-0.10	-1.15	-0.13	0.07	-0.04	0.02	5.50e-03	0.05
		60	1.32	0.07	-1.67	-0.53	-1.07	0.83	0.05	-0.07	-0.04	0.01	-0.06
		61	0.97	0.10	-1.27	0.08	-1.26	-0.13	9.22e-03	-0.15	-0.06	-0.07	0.08
		53	1.22	0.19	-1.72	-0.26	-1.27	0.81	6.51e-03	-0.08	-2.31e-03	-0.07	-0.03
52	29	52	81.06	125.63	3.53	18.92	110.24	40.53	-0.10	-1.15	-1.06	-0.18	0.28
		60	85.13	129.46	-4.41	19.20	105.85	-51.03	1.28	0.26	1.26	0.28	-0.14
		61	84.70	129.04	-4.09	18.96	105.99	50.37	1.33	0.23	1.32	0.25	0.12
		53	81.42	126.11	3.37	19.14	110.34	-41.07	-0.14	-1.22	-1.14	-0.23	-0.30
52	30	52	0.49	0.09	-0.41	0.04	-0.36	0.16	0.07	-0.05	0.02	4.22e-03	0.06
		60	0.79	0.11	-0.81	-0.39	-0.31	0.46	0.05	-0.07	-0.03	0.01	-0.06
		61	0.78	0.29	-0.57	0.22	-0.50	0.23	0.02	-0.14	-0.05	-0.07	0.08
		53	0.71	0.24	-0.85	-0.13	-0.48	0.52	5.82e-04	-0.08	-0.01	-0.07	-0.03
52	31	52	80.48	124.73	3.49	18.78	109.44	40.25	-0.10	-1.14	-1.06	-0.18	0.28
		60	84.51	128.52	-4.38	19.06	105.08	-50.65	1.27	0.26	1.25	0.27	-0.14
		61	84.10	128.12	-4.08	18.82	105.22	50.03	1.32	0.23	1.31	0.24	0.12
		53	80.82	125.18	3.35	19.00	109.54	-40.76	-0.14	-1.21	-1.13	-0.23	-0.29
52	32	52	0.80	-0.08	-1.16	-0.10	-1.14	-0.15	0.07	-0.04	0.02	5.44e-03	0.05
		60	1.31	0.06	-1.65	-0.53	-1.06	0.81	0.05	-0.07	-0.04	0.01	-0.06
		61	0.96	0.10	-1.27	0.09	-1.25	-0.14	8.34e-03	-0.15	-0.06	-0.07	0.08
		53	1.20	0.19	-1.70	-0.26	-1.26	0.80	5.41e-03	-0.08	-3.52e-03	-0.07	-0.03
52	33	52	81.07	125.63	3.51	18.92	110.23	40.54	-0.10	-1.15	-1.06	-0.18	0.28
		60	85.12	129.44	-4.41	19.20	105.84	-51.01	1.28	0.26	1.26	0.28	-0.14
		61	84.71	129.04	-4.11	18.96	105.98	50.39	1.33	0.23	1.32	0.25	0.12
		53	81.41	126.09	3.37	19.13	110.33	-41.06	-0.14	-1.22	-1.13	-0.23	-0.30
52	34	52	0.48	0.09	-0.40	0.04	-0.35	0.15	0.07	-0.05	0.01	4.15e-03	0.06
		60	0.78	0.11	-0.80	-0.39	-0.30	0.45	0.05	-0.07	-0.03	0.01	-0.06
		61	0.77	0.29	-0.55	0.23	-0.49	0.22	0.02	-0.14	-0.06	-0.07	0.08
		53	0.69	0.24	-0.83	-0.12	-0.47	0.51	-4.95e-04	-0.08	-0.01	-0.07	-0.03
52	35	52	80.48	124.73	3.49	18.78	109.44	40.25	-0.10	-1.14	-1.06	-0.18	0.28
		60	84.51	128.52	-4.38	19.06	105.08	-50.65	1.27	0.26	1.25	0.27	-0.14
		61	84.10	128.12	-4.08	18.82	105.22	50.03	1.32	0.23	1.31	0.24	0.12
		53	80.82	125.18	3.35	19.00	109.54	-40.76	-0.14	-1.21	-1.13	-0.23	-0.29
52	36	52	0.80	-0.08	-1.16	-0.10	-1.14	-0.15	0.07	-0.04	0.02	5.44e-03	0.05
		60	1.31	0.06	-1.65	-0.53	-1.06	0.81	0.05	-0.07	-0.04	0.01	-0.06
		61	0.96	0.10	-1.27	0.09	-1.25	-0.14	8.33e-03	-0.15	-0.06	-0.07	0.08
		53	1.20	0.19	-1.70	-0.26	-1.26	0.80	5.41e-03	-0.08	-3.52e-03	-0.07	-0.03
52	37	52	81.07	125.63	3.51	18.92	110.23	40.54	-0.10	-1.15	-1.06	-0.18	0.28
		60	85.12	129.44	-4.41	19.20	105.84	-51.01	1.28	0.26	1.26	0.28	-0.14
		61	84.71	129.04	-4.11	18.96	105.98	50.39	1.33	0.23	1.32	0.25	0.12
		53	81.41	126.09	3.37	19.13	110.33	-41.06	-0.14	-1.22	-1.13	-0.23	-0.30

52	38	52	0.48	0.09	-0.40	0.04	-0.35	0.15	0.07	-0.05	0.01	4.15e-03	0.06
		60	0.78	0.11	-0.80	-0.39	-0.30	0.45	0.05	-0.07	-0.03	0.01	-0.06
		61	0.77	0.29	-0.55	0.23	-0.49	0.22	0.02	-0.14	-0.06	-0.07	0.08
		53	0.69	0.24	-0.83	-0.12	-0.47	0.51	-4.92e-04	-0.08	-0.01	-0.07	-0.03
52	39	52	0.18	0.30	0.11	0.11	0.30	0.02	5.12e-03	-0.02	-0.01	-9.08e-04	9.83e-03
		60	0.21	0.25	-0.08	-0.07	0.25	-0.04	0.01	-0.01	-5.86e-04	-1.89e-03	-0.01
		61	0.49	0.41	-0.38	-0.09	0.11	0.38	0.02	-8.68e-03	3.89e-03	3.09e-03	0.01
		53	0.35	0.36	-0.18	0.04	0.14	0.26	5.27e-04	-0.02	-0.02	-6.24e-03	-0.01
52	40	52	0.20	0.30	0.09	0.11	0.29	0.06	5.37e-03	-0.02	-0.01	-6.81e-04	9.78e-03
		60	0.20	0.24	-0.07	-0.07	0.24	-3.32e-03	0.01	-0.01	-9.18e-05	-1.74e-03	-0.01
		61	0.53	0.44	-0.42	-0.09	0.11	0.42	0.02	-8.21e-03	4.81e-03	3.33e-03	0.01
		53	0.39	0.39	-0.21	0.05	0.13	0.30	1.05e-03	-0.02	-0.01	-5.94e-03	-0.01
52	41	52	0.18	0.30	0.11	0.11	0.30	0.02	5.15e-03	-0.02	-0.01	-8.73e-04	9.84e-03
		60	0.21	0.25	-0.08	-0.07	0.25	-0.04	0.01	-0.01	-5.78e-04	-1.87e-03	-0.01
		61	0.49	0.41	-0.38	-0.09	0.11	0.38	0.02	-8.65e-03	3.92e-03	3.12e-03	0.01
		53	0.35	0.36	-0.18	0.05	0.14	0.26	5.58e-04	-0.02	-0.02	-6.20e-03	-0.01
52	42	52	0.20	0.30	0.09	0.11	0.29	0.06	5.40e-03	-0.02	-0.01	-6.46e-04	9.78e-03
		60	0.20	0.24	-0.07	-0.07	0.24	-3.27e-03	0.01	-0.01	-8.44e-05	-1.71e-03	-0.01
		61	0.53	0.44	-0.42	-0.09	0.11	0.42	0.02	-8.18e-03	4.84e-03	3.35e-03	0.01
		53	0.39	0.39	-0.21	0.05	0.13	0.30	1.08e-03	-0.02	-0.01	-5.90e-03	-0.01
52	43	52	0.18	0.30	0.11	0.11	0.29	0.03	5.14e-03	-0.02	-0.01	-9.01e-04	9.83e-03
		60	0.21	0.25	-0.08	-0.07	0.25	-0.04	0.01	-0.01	-5.22e-04	-1.88e-03	-0.01
		61	0.50	0.41	-0.39	-0.09	0.11	0.39	0.02	-8.61e-03	4.02e-03	3.12e-03	0.01
		53	0.35	0.36	-0.18	0.04	0.14	0.27	5.82e-04	-0.02	-0.02	-6.22e-03	-0.01
52	44	52	0.20	0.31	0.09	0.11	0.29	0.06	5.35e-03	-0.02	-0.01	-6.88e-04	9.78e-03
		60	0.20	0.24	-0.07	-0.07	0.24	-4.64e-03	0.01	-0.01	-1.56e-04	-1.75e-03	-0.01
		61	0.53	0.44	-0.42	-0.09	0.11	0.42	0.02	-8.27e-03	4.68e-03	3.30e-03	0.01
		53	0.39	0.39	-0.21	0.05	0.13	0.30	9.95e-04	-0.02	-0.01	-5.96e-03	-0.01
52	45	52	0.18	0.30	0.11	0.11	0.29	0.03	5.17e-03	-0.02	-0.01	-8.66e-04	9.84e-03
		60	0.21	0.25	-0.08	-0.07	0.25	-0.04	0.01	-0.01	-5.14e-04	-1.86e-03	-0.01
		61	0.50	0.41	-0.39	-0.09	0.11	0.39	0.02	-8.58e-03	4.05e-03	3.14e-03	0.01
		53	0.35	0.36	-0.18	0.04	0.14	0.27	6.12e-04	-0.02	-0.02	-6.18e-03	-0.01
52	46	52	0.20	0.31	0.09	0.11	0.29	0.06	5.38e-03	-0.02	-0.01	-6.53e-04	9.78e-03
		60	0.20	0.24	-0.07	-0.07	0.24	-4.59e-03	0.01	-0.01	-1.48e-04	-1.73e-03	-0.01
		61	0.53	0.44	-0.42	-0.09	0.11	0.42	0.02	-8.24e-03	4.71e-03	3.33e-03	0.01
		53	0.39	0.39	-0.21	0.05	0.13	0.30	1.03e-03	-0.02	-0.01	-5.92e-03	-0.01
52	47	52	0.18	0.30	0.11	0.11	0.30	0.02	5.12e-03	-0.02	-0.01	-9.06e-04	9.84e-03
		60	0.21	0.25	-0.08	-0.07	0.25	-0.04	0.01	-0.01	-5.84e-04	-1.89e-03	-0.01
		61	0.49	0.41	-0.39	-0.09	0.11	0.38	0.02	-8.67e-03	3.89e-03	3.09e-03	0.01
		53	0.35	0.36	-0.18	0.04	0.14	0.26	5.23e-04	-0.02	-0.02	-6.24e-03	-0.01
52	48	52	0.20	0.30	0.09	0.11	0.29	0.06	5.38e-03	-0.02	-0.01	-6.79e-04	9.78e-03
		60	0.20	0.24	-0.07	-0.07	0.24	-3.26e-03	0.01	-0.01	-9.04e-05	-1.73e-03	-0.01
		61	0.53	0.44	-0.42	-0.09	0.11	0.42	0.02	-8.21e-03	4.81e-03	3.33e-03	0.01
		53	0.39	0.39	-0.21	0.05	0.13	0.30	1.05e-03	-0.02	-0.01	-5.94e-03	-0.01
52	49	52	0.18	0.30	0.11	0.11	0.30	0.02	5.14e-03	-0.02	-0.01	-8.75e-04	9.83e-03
		60	0.21	0.25	-0.08	-0.07	0.25	-0.04	0.01	-0.01	-5.80e-04	-1.87e-03	-0.01
		61	0.49	0.41	-0.38	-0.09	0.11	0.38	0.02	-8.65e-03	3.92e-03	3.12e-03	0.01
		53	0.35	0.36	-0.18	0.05	0.14	0.26	5.62e-04	-0.02	-0.02	-6.20e-03	-0.01
52	50	52	0.20	0.30	0.09	0.11	0.29	0.06	5.40e-03	-0.02	-0.01	-6.48e-04	9.78e-03
		60	0.20	0.24	-0.07	-0.07	0.24	-3.33e-03	0.01	-0.01	-8.58e-05	-1.72e-03	-0.01
		61	0.53	0.44	-0.42	-0.09	0.11	0.42	0.02	-8.18e-03	4.84e-03	3.35e-03	0.01
		53	0.39	0.39	-0.21	0.05	0.13	0.30	1.09e-03	-0.02	-0.01	-5.90e-03	-0.01
52	51	52	0.18	0.30	0.11	0.11	0.29	0.03	5.15e-03	-0.02	-0.01	-8.99e-04	9.84e-03
		60	0.21	0.25	-0.08	-0.07	0.25	-0.04	0.01	-0.01	-5.20e-04	-1.88e-03	-0.01
		61	0.50	0.41	-0.39	-0.09	0.11	0.39	0.02	-8.61e-03	4.02e-03	3.12e-03	0.01
		53	0.35	0.36	-0.18	0.04	0.14	0.27	5.78e-04	-0.02	-0.02	-6.22e-03	-0.01
52	52	52	0.20	0.31	0.09	0.11	0.29	0.06	5.35e-03	-0.02	-0.01	-6.86e-04	9.78e-03
		60	0.20	0.24	-0.07	-0.07	0.24	-4.59e-03	0.01	-0.01	-1.54e-04	-1.75e-03	-0.01
		61	0.53	0.44	-0.42	-0.09	0.11	0.42	0.02	-8.27e-03	4.68e-03	3.30e-03	0.01
		53	0.39	0.39	-0.21	0.05	0.13	0.30	9.92e-04	-0.02	-0.01	-5.96e-03	-0.01
52	53	52	0.18	0.30	0.11	0.11	0.29	0.03	5.17e-03	-0.02	-0.01	-8.68e-04	9.83e-03
		60	0.21	0.25	-0.08	-0.07	0.25	-0.04	0.01	-0.01	-5.16e-04	-1.86e-03	-0.01
		61	0.50	0.41	-0.39	-0.09	0.11	0.39	0.02	-8.59e-03	4.05e-03	3.14e-03	0.01
		53	0.35	0.36	-0.18	0.04	0.14	0.27	6.16e-04	-0.02	-0.02	-6.18e-03	-0.01
52	54	52	0.20	0.31	0.09	0.11	0.29	0.06	5.37e-03	-0.02	-0.01	-6.55e-04	9.78e-03
		60	0.19	0.24	-0.07	-0.07	0.24	-4.65e-03	0.01	-0.01	-1.50e-04	-1.73e-03	-0.01
		61	0.53	0.44	-0.42	-0.09	0.11	0.42	0.02	-8.24e-03	4.71e-03	3.33e-03	0.01
		53	0.39	0.39	-0.21	0.05	0.13	0.30	1.03e-03	-0.02	-0.01	-5.92e-03	-0.01
52	55	52	0.18	0.31	0.11	0.11	0.30	-0.02	4.83e-03	-0.02	-0.01	-1.16e-03	9.89e-03
		60	0.23	0.27	-0.09	-0.07	0.25	-0.08	0.01	-0.01	-1.16e-03	-2.06e-03	-0.01
		61	0.45	0.37	-0.35	-0.09	0.11	0.34	0.01	-9.22e-03	2.82e-03	2.83e-03	0.01
		53	0.31	0.32	-0.13	0.04	0.15	0.22	-6.29e-05	-0.02	-0.02	-6.57e-03	-0.01
52	56	52	0.22	0.32	0.06	0.11	0.28	0.10	5.68e-03	-0.02	-9.84e-03	-4.04e-04	9.71e-03
		60	0.21	0.24	-0.08	-0.07	0.24	0.04	0.01	-0.01	4.87e-04	-1.55e-03	-0.01
		61	0.58	0.48	-0.46	-0.08	0.11	0.46	0.02	-7.67e-03	5.90e-03	3.61e-03	0.01
		53	0.43	0.42	-0.26	0.05	0.12	0.34	1.68e-03	-0.02	-0.01	-5.58e-03	-0.01
52	57	52	0.18	0.31	0.11	0.11	0.30	-0.02	4.84e-03	-0.02	-0.01	-1.15e-03	9.90e-03



		61	0.51	0.42	-0.40	-0.09	0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		53	0.37	0.37	-0.20	0.05	0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
53	1	53	0.57	0.72	-0.21	0.15	0.37	0.45	4.63e-03	-7.31e-03	-4.15e-03	1.47e-03	5.26e-03
		61	0.63	0.66	-0.39	-0.04	0.31	0.49	1.07e-03	-0.01	-3.48e-03	-9.06e-03	-6.80e-03
		62	0.84	0.64	-0.81	-0.05	-0.12	0.73	0.02	1.91e-04	5.92e-03	9.52e-03	7.31e-03
		54	0.68	0.49	-0.69	-0.06	-0.14	0.59	-2.77e-03	-0.01	-0.01	-6.33e-03	-5.16e-03
53	2	53	0.57	0.72	-0.21	0.15	0.37	0.45	4.63e-03	-7.31e-03	-4.15e-03	1.47e-03	5.26e-03
		61	0.63	0.66	-0.39	-0.04	0.31	0.49	1.07e-03	-0.01	-3.48e-03	-9.06e-03	-6.80e-03
		62	0.84	0.64	-0.81	-0.05	-0.12	0.73	0.02	1.91e-04	5.92e-03	9.52e-03	7.31e-03
		54	0.68	0.49	-0.69	-0.06	-0.14	0.59	-2.77e-03	-0.01	-0.01	-6.33e-03	-5.16e-03
53	3	53	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		61	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
53	4	53	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		61	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
53	5	53	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		61	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
53	6	53	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		61	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
53	7	53	21.37	33.10	0.88	5.04	28.94	10.80	-0.03	-0.31	-0.29	-0.05	0.07
		61	22.06	33.61	-0.97	4.91	27.73	-12.99	0.33	0.06	0.32	0.06	-0.05
		62	22.48	33.93	-1.62	4.83	27.48	13.70	0.35	0.06	0.35	0.07	0.05
		54	20.82	32.41	1.17	4.95	28.63	-10.19	-0.05	-0.34	-0.31	-0.07	-0.08
53	8	53	3.10	-0.26	-4.84	-0.80	-4.30	-1.48	0.10	-0.03	0.08	-5.61e-03	0.05
		61	3.66	0.42	-5.41	-0.78	-4.21	2.35	-5.82e-03	-0.12	-0.12	-7.05e-03	0.01
		62	3.14	-0.49	-5.03	-1.01	-4.52	-1.44	0.06	-0.02	-0.01	0.04	-0.03
		54	4.36	0.42	-5.75	-0.60	-4.73	2.29	0.20	-6.23e-03	0.01	0.18	-0.06
53	9	53	23.31	36.11	0.97	5.49	31.58	11.77	-0.04	-0.34	-0.31	-0.06	0.08
		61	24.11	36.72	-1.08	5.37	30.27	-14.22	0.36	0.06	0.35	0.07	-0.05
		62	24.51	37.02	-1.73	5.28	30.02	14.91	0.39	0.07	0.38	0.07	0.05
		54	22.77	35.43	1.26	5.42	31.27	-11.17	-0.06	-0.36	-0.34	-0.08	-0.09
53	10	53	1.23	-0.17	-1.84	-0.34	-1.66	-0.51	0.09	-0.04	0.06	-0.01	0.06
		61	1.63	0.31	-2.31	-0.32	-1.68	1.12	2.42e-04	-0.09	-0.09	-4.37e-04	7.67e-03
		62	1.26	-0.52	-2.02	-0.56	-1.98	-0.22	0.06	6.35e-03	0.02	0.05	-0.02
		54	2.49	0.52	-2.74	-0.14	-2.08	1.31	0.20	-0.04	-0.01	0.17	-0.07
53	11	53	21.37	33.10	0.88	5.04	28.94	10.80	-0.03	-0.31	-0.29	-0.05	0.07
		61	22.06	33.61	-0.97	4.91	27.73	-12.99	0.33	0.06	0.32	0.06	-0.05
		62	22.48	33.92	-1.62	4.82	27.47	13.70	0.35	0.06	0.35	0.07	0.05
		54	20.81	32.40	1.17	4.95	28.62	-10.19	-0.05	-0.33	-0.31	-0.07	-0.08
53	12	53	3.10	-0.25	-4.84	-0.80	-4.29	-1.48	0.10	-0.03	0.08	-5.77e-03	0.05
		61	3.66	0.42	-5.40	-0.77	-4.21	2.35	-5.97e-03	-0.12	-0.12	-7.19e-03	0.01
		62	3.14	-0.49	-5.03	-1.00	-4.52	-1.44	0.06	-0.02	-0.01	0.04	-0.03
		54	4.35	0.43	-5.74	-0.59	-4.72	2.29	0.20	-6.89e-03	0.01	0.18	-0.06
53	13	53	23.30	36.10	0.96	5.49	31.58	11.77	-0.04	-0.34	-0.31	-0.06	0.08
		61	24.11	36.71	-1.09	5.36	30.26	-14.22	0.36	0.06	0.35	0.07	-0.05
		62	24.51	37.02	-1.73	5.27	30.01	14.91	0.39	0.07	0.38	0.07	0.05
		54	22.76	35.42	1.25	5.41	31.26	-11.17	-0.06	-0.36	-0.34	-0.08	-0.09
53	14	53	1.23	-0.17	-1.83	-0.34	-1.65	-0.52	0.09	-0.04	0.06	-0.01	0.06
		61	1.63	0.32	-2.31	-0.32	-1.67	1.12	9.36e-05	-0.09	-0.09	-5.79e-04	7.66e-03
		62	1.26	-0.52	-2.01	-0.55	-1.98	-0.22	0.06	5.77e-03	0.02	0.05	-0.02
		54	2.48	0.53	-2.73	-0.13	-2.07	1.31	0.20	-0.04	-0.01	0.17	-0.07
53	15	53	21.37	33.10	0.88	5.04	28.94	10.80	-0.03	-0.31	-0.29	-0.05	0.07
		61	22.06	33.61	-0.97	4.91	27.73	-12.99	0.33	0.06	0.32	0.06	-0.05
		62	22.48	33.93	-1.62	4.83	27.48	13.70	0.35	0.06	0.35	0.07	0.04
		54	20.82	32.41	1.17	4.95	28.63	-10.19	-0.05	-0.34	-0.31	-0.07	-0.08
53	16	53	3.10	-0.26	-4.84	-0.80	-4.30	-1.48	0.10	-0.03	0.08	-5.61e-03	0.05
		61	3.66	0.42	-5.41	-0.78	-4.21	2.35	-5.82e-03	-0.12	-0.12	-7.04e-03	0.01
		62	3.14	-0.49	-5.03	-1.01	-4.52	-1.44	0.06	-0.02	-0.01	0.04	-0.03
		54	4.36	0.42	-5.75	-0.60	-4.73	2.29	0.20	-6.23e-03	0.01	0.18	-0.06
53	17	53	23.31	36.11	0.97	5.49	31.58	11.77	-0.04	-0.34	-0.31	-0.06	0.08
		61	24.11	36.72	-1.08	5.37	30.27	-14.22	0.36	0.06	0.35	0.07	-0.05
		62	24.51	37.02	-1.73	5.28	30.02	14.91	0.39	0.07	0.38	0.07	0.05
		54	22.77	35.43	1.26	5.42	31.27	-11.17	-0.06	-0.36	-0.34	-0.08	-0.09
53	18	53	1.23	-0.17	-1.84	-0.34	-1.66	-0.51	0.09	-0.04	0.06	-0.01	0.06
		61	1.63	0.31	-2.31	-0.32	-1.68	1.12	2.44e-04	-0.09	-0.09	-4.40e-04	7.70e-03
		62	1.26	-0.52	-2.02	-0.56	-1.98	-0.22	0.06	6.36e-03	0.02	0.05	-0.02
		54	2.49	0.52	-2.74	-0.14	-2.08	1.31	0.20	-0.04	-0.01	0.17	-0.07
53	19	53	21.37	33.10	0.88	5.04	28.94	10.80	-0.03	-0.31	-0.29	-0.05	0.07
		61	22.06	33.61	-0.97	4.91	27.73	-12.99	0.33	0.06	0.32	0.06	-0.05
		62	22.48	33.92	-1.62	4.82	27.47	13.70	0.35	0.06	0.35	0.07	0.04

		54	20.81	32.40	1.17	4.95	28.62	-10.19	-0.05	-0.33	-0.31	-0.07	-0.08
53	20	53	3.10	-0.25	-4.84	-0.80	-4.29	-1.48	0.10	-0.03	0.08	-5.76e-03	0.05
		61	3.66	0.42	-5.40	-0.77	-4.21	2.35	-5.97e-03	-0.12	-0.12	-7.19e-03	0.01
		62	3.14	-0.49	-5.03	-1.00	-4.52	-1.44	0.06	-0.02	-0.01	0.04	-0.03
		54	4.35	0.43	-5.74	-0.59	-4.72	2.29	0.20	-6.88e-03	0.01	0.18	-0.06
53	21	53	23.30	36.10	0.96	5.49	31.58	11.77	-0.04	-0.34	-0.31	-0.06	0.08
		61	24.11	36.71	-1.09	5.36	30.26	-14.22	0.36	0.06	0.35	0.07	-0.05
		62	24.51	37.02	-1.73	5.27	30.01	14.91	0.39	0.07	0.38	0.07	0.05
		54	22.76	35.42	1.25	5.41	31.26	-11.17	-0.06	-0.36	-0.34	-0.08	-0.09
53	22	53	1.23	-0.17	-1.83	-0.34	-1.65	-0.52	0.09	-0.04	0.06	-0.01	0.06
		61	1.63	0.32	-2.31	-0.32	-1.67	1.12	9.61e-05	-0.09	-0.09	-5.82e-04	7.69e-03
		62	1.26	-0.52	-2.01	-0.55	-1.98	-0.22	0.06	5.78e-03	0.02	0.05	-0.02
		54	2.48	0.53	-2.73	-0.13	-2.07	1.31	0.20	-0.04	-0.01	0.17	-0.07
53	23	53	80.66	125.14	3.62	18.93	109.83	40.32	-0.13	-1.16	-1.09	-0.21	0.27
		61	84.80	128.75	-4.55	18.86	105.34	-50.73	1.27	0.24	1.24	0.27	-0.17
		62	84.75	128.72	-4.85	18.57	105.29	50.79	1.34	0.22	1.31	0.24	0.16
		54	80.49	124.99	3.80	19.08	109.71	-40.23	-0.19	-1.25	-1.17	-0.27	-0.29
53	24	53	1.63	-0.10	-1.41	-0.52	-0.98	-0.61	0.26	-0.16	0.14	-0.05	0.19
		61	1.18	0.04	-1.30	-0.11	-1.15	0.42	0.03	-0.23	-0.22	0.03	0.03
		62	1.37	-0.69	-1.55	-0.87	-1.38	0.35	0.23	0.05	0.12	0.16	-0.09
		54	3.74	1.27	-2.17	0.57	-1.47	1.39	0.65	-0.16	-0.08	0.58	-0.23
53	25	53	81.24	126.04	3.65	19.07	110.63	40.61	-0.13	-1.17	-1.09	-0.21	0.27
		61	85.41	129.69	-4.59	19.00	106.10	-51.09	1.28	0.24	1.25	0.27	-0.17
		62	85.36	129.64	-4.88	18.71	106.06	51.15	1.35	0.22	1.32	0.24	0.16
		54	81.07	125.90	3.83	19.22	110.50	-40.52	-0.19	-1.26	-1.18	-0.27	-0.29
53	26	53	1.33	0.05	-0.63	-0.38	-0.19	-0.32	0.26	-0.17	0.14	-0.05	0.19
		61	0.77	0.04	-0.39	0.03	-0.39	0.05	0.03	-0.22	-0.21	0.03	0.03
		62	1.42	0.04	-1.39	-0.73	-0.61	0.71	0.23	0.06	0.13	0.16	-0.09
		54	3.21	1.31	-1.28	0.71	-0.67	1.10	0.65	-0.16	-0.09	0.58	-0.24
53	27	53	80.66	125.14	3.62	18.93	109.83	40.32	-0.13	-1.16	-1.09	-0.21	0.27
		61	84.80	128.75	-4.55	18.86	105.34	-50.73	1.27	0.24	1.24	0.27	-0.17
		62	84.75	128.72	-4.85	18.57	105.29	50.79	1.34	0.22	1.31	0.24	0.16
		54	80.49	124.99	3.80	19.08	109.71	-40.23	-0.19	-1.25	-1.17	-0.27	-0.29
53	28	53	1.63	-0.10	-1.41	-0.52	-0.98	-0.61	0.26	-0.16	0.14	-0.05	0.19
		61	1.18	0.04	-1.30	-0.11	-1.15	0.42	0.03	-0.23	-0.22	0.03	0.03
		62	1.37	-0.69	-1.55	-0.87	-1.38	0.35	0.23	0.05	0.12	0.16	-0.09
		54	3.74	1.27	-2.17	0.57	-1.47	1.39	0.65	-0.16	-0.08	0.58	-0.23
53	29	53	81.24	126.04	3.65	19.07	110.63	40.61	-0.13	-1.17	-1.09	-0.21	0.27
		61	85.41	129.69	-4.59	19.00	106.10	-51.09	1.28	0.24	1.25	0.27	-0.17
		62	85.36	129.64	-4.88	18.71	106.06	51.15	1.35	0.22	1.32	0.24	0.16
		54	81.07	125.90	3.83	19.22	110.50	-40.52	-0.19	-1.26	-1.18	-0.27	-0.29
53	30	53	1.33	0.05	-0.63	-0.38	-0.19	-0.32	0.26	-0.17	0.14	-0.05	0.19
		61	0.77	0.04	-0.39	0.03	-0.39	0.05	0.03	-0.22	-0.21	0.03	0.03
		62	1.42	0.04	-1.39	-0.73	-0.61	0.71	0.23	0.06	0.13	0.16	-0.09
		54	3.21	1.31	-1.28	0.71	-0.67	1.10	0.65	-0.16	-0.09	0.58	-0.24
53	31	53	80.65	125.12	3.61	18.93	109.81	40.33	-0.13	-1.16	-1.08	-0.21	0.27
		61	84.79	128.73	-4.57	18.84	105.32	-50.72	1.28	0.24	1.25	0.27	-0.17
		62	84.74	128.70	-4.86	18.56	105.28	50.80	1.34	0.22	1.32	0.24	0.16
		54	80.47	124.96	3.79	19.06	109.68	-40.22	-0.19	-1.25	-1.16	-0.27	-0.29
53	32	53	1.63	-0.08	-1.39	-0.52	-0.96	-0.62	0.26	-0.16	0.14	-0.05	0.19
		61	1.18	0.06	-1.28	-0.09	-1.13	0.42	0.03	-0.23	-0.22	0.03	0.03
		62	1.36	-0.69	-1.53	-0.86	-1.36	0.34	0.23	0.05	0.12	0.16	-0.09
		54	3.73	1.29	-2.14	0.59	-1.44	1.38	0.65	-0.16	-0.08	0.58	-0.23
53	33	53	81.23	126.02	3.64	19.06	110.60	40.62	-0.13	-1.17	-1.09	-0.21	0.27
		61	85.40	129.66	-4.60	18.98	106.08	-51.09	1.28	0.24	1.26	0.27	-0.17
		62	85.35	129.63	-4.90	18.70	106.04	51.16	1.35	0.22	1.33	0.24	0.16
		54	81.06	125.86	3.81	19.20	110.48	-40.51	-0.19	-1.26	-1.17	-0.27	-0.29
53	34	53	1.33	0.07	-0.62	-0.38	-0.16	-0.33	0.25	-0.17	0.14	-0.05	0.19
		61	0.77	0.05	-0.37	0.05	-0.37	0.05	0.03	-0.22	-0.22	0.03	0.03
		62	1.41	0.05	-1.37	-0.72	-0.60	0.71	0.23	0.06	0.13	0.16	-0.09
		54	3.20	1.33	-1.25	0.72	-0.64	1.09	0.65	-0.17	-0.09	0.58	-0.24
53	35	53	80.65	125.12	3.61	18.93	109.81	40.33	-0.13	-1.16	-1.08	-0.21	0.27
		61	84.79	128.73	-4.57	18.84	105.32	-50.72	1.28	0.24	1.25	0.27	-0.17
		62	84.74	128.70	-4.86	18.56	105.28	50.80	1.34	0.22	1.32	0.24	0.16
		54	80.47	124.96	3.79	19.06	109.68	-40.22	-0.19	-1.25	-1.16	-0.27	-0.29
53	36	53	1.63	-0.08	-1.39	-0.52	-0.96	-0.62	0.26	-0.16	0.14	-0.05	0.19
		61	1.18	0.06	-1.28	-0.09	-1.13	0.42	0.03	-0.23	-0.22	0.03	0.03
		62	1.36	-0.69	-1.53	-0.86	-1.36	0.34	0.23	0.05	0.12	0.16	-0.09
		54	3.73	1.29	-2.14	0.59	-1.44	1.38	0.65	-0.16	-0.08	0.58	-0.23
53	37	53	81.23	126.02	3.64	19.06	110.60	40.62	-0.13	-1.17	-1.09	-0.21	0.27
		61	85.40	129.66	-4.60	18.98	106.08	-51.09	1.28	0.24	1.26	0.27	-0.17
		62	85.35	129.63	-4.90	18.70	106.04	51.16	1.35	0.22	1.33	0.24	0.16
		54	81.06	125.86	3.81	19.20	110.48	-40.51	-0.19	-1.26	-1.17	-0.27	-0.29
53	38	53	1.33	0.07	-0.62	-0.38	-0.16	-0.33	0.25	-0.17	0.14	-0.05	0.19
		61	0.77	0.05	-0.37	0.05	-0.37	0.05	0.03	-0.22	-0.22	0.03	0.03
		62	1.41	0.05	-1.37	-0.72	-0.60	0.71	0.23	0.06	0.13	0.16	-0.09
		54	3.20	1.33	-1.25	0.72	-0.64	1.09	0.65	-0.17	-0.09	0.58	-0.24

53	39	53	0.43	0.55	-0.15	0.11	0.29	0.34	3.19e-03	-6.27e-03	-4.01e-03	9.36e-04	4.03e-03
		61	0.47	0.50	-0.29	-0.03	0.24	0.37	2.49e-04	-0.01	-3.50e-03	-7.15e-03	-5.26e-03
		62	0.64	0.49	-0.62	-0.04	-0.09	0.55	0.01	-4.84e-04	3.64e-03	7.13e-03	5.60e-03
		54	0.52	0.37	-0.52	-0.05	-0.10	0.44	-2.57e-03	-0.01	-8.79e-03	-5.09e-03	-3.96e-03
53	40	53	0.44	0.55	-0.17	0.11	0.27	0.35	3.93e-03	-5.01e-03	-2.39e-03	1.31e-03	4.07e-03
		61	0.49	0.51	-0.31	-0.03	0.23	0.39	1.39e-03	-0.01	-1.88e-03	-6.80e-03	-5.18e-03
		62	0.66	0.50	-0.63	-0.04	-0.09	0.57	0.01	7.25e-04	5.43e-03	7.51e-03	5.65e-03
		54	0.53	0.38	-0.54	-0.05	-0.12	0.46	-1.69e-03	-9.98e-03	-6.99e-03	-4.67e-03	-3.98e-03
53	41	53	0.43	0.55	-0.15	0.11	0.29	0.34	3.21e-03	-6.25e-03	-3.99e-03	9.47e-04	4.03e-03
		61	0.47	0.50	-0.29	-0.03	0.24	0.37	2.74e-04	-0.01	-3.48e-03	-7.14e-03	-5.27e-03
		62	0.64	0.49	-0.62	-0.04	-0.09	0.55	0.01	-4.50e-04	3.68e-03	7.14e-03	5.60e-03
		54	0.52	0.37	-0.52	-0.05	-0.10	0.44	-2.54e-03	-0.01	-8.75e-03	-5.07e-03	-3.96e-03
53	42	53	0.44	0.55	-0.17	0.11	0.27	0.35	3.94e-03	-4.99e-03	-2.37e-03	1.32e-03	4.07e-03
		61	0.49	0.51	-0.31	-0.03	0.23	0.39	1.42e-03	-0.01	-1.87e-03	-6.80e-03	-5.19e-03
		62	0.66	0.50	-0.63	-0.04	-0.09	0.57	0.01	7.58e-04	5.46e-03	7.52e-03	5.64e-03
		54	0.53	0.38	-0.54	-0.05	-0.12	0.46	-1.66e-03	-9.94e-03	-6.96e-03	-4.65e-03	-3.98e-03
53	43	53	0.43	0.55	-0.15	0.11	0.29	0.34	3.29e-03	-6.08e-03	-3.78e-03	9.92e-04	4.03e-03
		61	0.48	0.50	-0.29	-0.03	0.24	0.37	4.14e-04	-0.01	-3.27e-03	-7.09e-03	-5.26e-03
		62	0.64	0.49	-0.62	-0.04	-0.09	0.55	0.01	-2.98e-04	3.90e-03	7.18e-03	5.61e-03
		54	0.52	0.37	-0.52	-0.05	-0.10	0.44	-2.44e-03	-0.01	-8.52e-03	-5.03e-03	-3.96e-03
53	44	53	0.44	0.56	-0.17	0.11	0.28	0.35	3.82e-03	-5.19e-03	-2.62e-03	1.26e-03	4.06e-03
		61	0.49	0.51	-0.30	-0.03	0.24	0.39	1.22e-03	-0.01	-2.11e-03	-6.86e-03	-5.19e-03
		62	0.66	0.50	-0.63	-0.04	-0.09	0.57	0.01	5.48e-04	5.16e-03	7.45e-03	5.64e-03
		54	0.53	0.38	-0.54	-0.05	-0.11	0.46	-1.82e-03	-0.01	-7.26e-03	-4.74e-03	-3.98e-03
53	45	53	0.43	0.55	-0.15	0.11	0.29	0.34	3.31e-03	-6.06e-03	-3.76e-03	1.00e-03	4.04e-03
		61	0.48	0.50	-0.29	-0.03	0.24	0.37	4.39e-04	-0.01	-3.25e-03	-7.09e-03	-5.27e-03
		62	0.64	0.49	-0.62	-0.04	-0.09	0.55	0.01	-2.64e-04	3.94e-03	7.20e-03	5.60e-03
		54	0.52	0.37	-0.52	-0.05	-0.10	0.44	-2.42e-03	-0.01	-8.49e-03	-5.01e-03	-3.96e-03
53	46	53	0.44	0.56	-0.17	0.11	0.28	0.35	3.84e-03	-5.17e-03	-2.60e-03	1.27e-03	4.07e-03
		61	0.49	0.51	-0.30	-0.03	0.24	0.39	1.24e-03	-0.01	-2.10e-03	-6.85e-03	-5.20e-03
		62	0.66	0.50	-0.63	-0.04	-0.09	0.57	0.01	5.81e-04	5.20e-03	7.46e-03	5.64e-03
		54	0.53	0.38	-0.54	-0.05	-0.11	0.46	-1.80e-03	-0.01	-7.22e-03	-4.71e-03	-3.97e-03
53	47	53	0.43	0.55	-0.15	0.11	0.29	0.34	3.20e-03	-6.27e-03	-4.01e-03	9.37e-04	4.03e-03
		61	0.47	0.50	-0.29	-0.03	0.24	0.37	2.59e-04	-0.01	-3.50e-03	-7.15e-03	-5.27e-03
		62	0.64	0.49	-0.62	-0.04	-0.09	0.55	0.01	-4.76e-04	3.64e-03	7.13e-03	5.60e-03
		54	0.52	0.37	-0.52	-0.05	-0.10	0.44	-2.57e-03	-0.01	-8.78e-03	-5.09e-03	-3.96e-03
53	48	53	0.44	0.55	-0.17	0.11	0.27	0.35	3.93e-03	-5.01e-03	-2.39e-03	1.31e-03	4.07e-03
		61	0.49	0.51	-0.31	-0.03	0.23	0.39	1.40e-03	-0.01	-1.88e-03	-6.80e-03	-5.19e-03
		62	0.66	0.50	-0.63	-0.04	-0.09	0.57	0.01	7.33e-04	5.43e-03	7.51e-03	5.64e-03
		54	0.53	0.38	-0.54	-0.05	-0.12	0.46	-1.69e-03	-9.97e-03	-6.99e-03	-4.67e-03	-3.98e-03
53	49	53	0.43	0.55	-0.15	0.11	0.29	0.34	3.20e-03	-6.25e-03	-3.99e-03	9.45e-04	4.03e-03
		61	0.47	0.50	-0.29	-0.03	0.24	0.37	2.63e-04	-0.01	-3.48e-03	-7.14e-03	-5.26e-03
		62	0.64	0.49	-0.62	-0.04	-0.09	0.55	0.01	-4.59e-04	3.67e-03	7.14e-03	5.60e-03
		54	0.52	0.37	-0.52	-0.05	-0.10	0.44	-2.54e-03	-0.01	-8.75e-03	-5.07e-03	-3.96e-03
53	50	53	0.44	0.55	-0.17	0.11	0.27	0.35	3.94e-03	-4.99e-03	-2.37e-03	1.32e-03	4.07e-03
		61	0.49	0.51	-0.31	-0.03	0.23	0.39	1.41e-03	-0.01	-1.86e-03	-6.80e-03	-5.18e-03
		62	0.66	0.50	-0.63	-0.04	-0.09	0.57	0.01	7.49e-04	5.46e-03	7.52e-03	5.65e-03
		54	0.53	0.38	-0.54	-0.05	-0.12	0.46	-1.66e-03	-9.95e-03	-6.96e-03	-4.65e-03	-3.98e-03
53	51	53	0.43	0.55	-0.15	0.11	0.29	0.34	3.30e-03	-6.08e-03	-3.78e-03	9.94e-04	4.03e-03
		61	0.48	0.50	-0.29	-0.03	0.24	0.37	4.25e-04	-0.01	-3.27e-03	-7.09e-03	-5.27e-03
		62	0.64	0.49	-0.62	-0.04	-0.09	0.55	0.01	-2.89e-04	3.91e-03	7.19e-03	5.60e-03
		54	0.52	0.37	-0.52	-0.05	-0.10	0.44	-2.44e-03	-0.01	-8.52e-03	-5.03e-03	-3.96e-03
53	52	53	0.44	0.56	-0.17	0.11	0.28	0.35	3.82e-03	-5.19e-03	-2.62e-03	1.26e-03	4.07e-03
		61	0.49	0.51	-0.30	-0.03	0.24	0.39	1.23e-03	-0.01	-2.11e-03	-6.86e-03	-5.20e-03
		62	0.66	0.50	-0.63	-0.04	-0.09	0.57	0.01	5.57e-04	5.17e-03	7.45e-03	5.64e-03
		54	0.53	0.38	-0.54	-0.05	-0.11	0.46	-1.82e-03	-0.01	-7.25e-03	-4.73e-03	-3.97e-03
53	53	53	0.43	0.55	-0.15	0.11	0.29	0.34	3.30e-03	-6.06e-03	-3.76e-03	1.00e-03	4.03e-03
		61	0.48	0.50	-0.29	-0.03	0.24	0.37	4.28e-04	-0.01	-3.25e-03	-7.09e-03	-5.26e-03
		62	0.64	0.49	-0.62	-0.04	-0.09	0.55	0.01	-2.72e-04	3.94e-03	7.20e-03	5.61e-03
		54	0.52	0.37	-0.52	-0.05	-0.10	0.44	-2.42e-03	-0.01	-8.49e-03	-5.01e-03	-3.96e-03
53	54	53	0.44	0.56	-0.17	0.11	0.28	0.35	3.83e-03	-5.17e-03	-2.60e-03	1.27e-03	4.06e-03
		61	0.49	0.51	-0.30	-0.03	0.24	0.39	1.23e-03	-0.01	-2.10e-03	-6.85e-03	-5.19e-03
		62	0.66	0.50	-0.63	-0.04	-0.09	0.57	0.01	5.73e-04	5.20e-03	7.46e-03	5.64e-03
		54	0.53	0.38	-0.54	-0.05	-0.11	0.46	-1.80e-03	-0.01	-7.22e-03	-4.72e-03	-3.98e-03
53	55	53	0.42	0.55	-0.12	0.12	0.31	0.32	2.42e-03	-7.81e-03	-5.89e-03	5.00e-04	3.99e-03
		61	0.46	0.49	-0.27	-0.03	0.25	0.36	-9.87e-04	-0.01	-5.37e-03	-7.54e-03	-5.36e-03
		62	0.62	0.47	-0.60	-0.04	-0.08	0.54	0.01	-1.98e-03	1.57e-03	6.69e-03	5.55e-03
		54	0.50	0.37	-0.49	-0.05	-0.08	0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	-3.94e-03
53	56	53	0.45	0.56	-0.20	0.11	0.25	0.37	4.89e-03	-3.63e-03	-4.95e-04	1.76e-03	4.11e-03
		61	0.50	0.52	-0.33	-0.03	0.23	0.40	2.81e-03	-9.21e-03	4.81e-06	-6.40e-03	-5.09e-03
		62	0.68	0.51	-0.65	-0.04	-0.10	0.58	0.01	2.04e-03	7.52e-03	7.96e-03	5.70e-03
		54	0.55	0.38	-0.57	-0.05	-0.14	0.47	-5.20e-04	-8.55e-03	-4.89e-03	-4.18e-03	-4.00e-03
53	57	53	0.42	0.55	-0.12	0.12	0.31	0.32	2.42e-03	-7.81e-03	-5.89e-03	5.03e-04	3.99e-03
		61	0.46	0.49	-0.27	-0.03	0.25	0.36	-9.79e-04	-0.01	-5.37e-03	-7.54e-03	-5.37e-03
		62	0.62	0.47	-0.60	-0.04	-0.08	0.54	0.01	-1.97e-03	1.58e-03	6.69e-03	5.55e-03
		54	0.50	0.37	-0.49	-0.05	-0.08	0.43	-3.46e-03	-0.01	-0.01	-5.57e-03	-3.94e-03
53	58	53	0.45	0.56	-0.20	0.11	0.25	0.37	4.89e-03	-3.62e-03	-4.90e-04	1.76e-03	4.11e-03

		61	0.50	0.52	-0.33	-0.03	0.23	0.40	2.82e-03	-9.21e-03	1.02e-05	-6.40e-03	-5.09e-03
		62	0.68	0.51	-0.65	-0.04	-0.10	0.58	0.01	2.05e-03	7.53e-03	7.96e-03	5.69e-03
		54	0.55	0.38	-0.57	-0.05	-0.14	0.47	-5.13e-04	-8.54e-03	-4.88e-03	-4.17e-03	-4.00e-03
53	59	53	0.42	0.55	-0.12	0.12	0.31	0.32	2.42e-03	-7.81e-03	-5.89e-03	5.00e-04	3.99e-03
		61	0.46	0.49	-0.27	-0.03	0.25	0.36	-9.83e-04	-0.01	-5.37e-03	-7.54e-03	-5.37e-03
		62	0.62	0.47	-0.60	-0.04	-0.08	0.54	0.01	-1.98e-03	1.57e-03	6.69e-03	5.55e-03
		54	0.50	0.37	-0.49	-0.05	-0.08	0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	-3.94e-03
53	60	53	0.45	0.56	-0.20	0.11	0.25	0.37	4.89e-03	-3.63e-03	-4.95e-04	1.76e-03	4.11e-03
		61	0.50	0.52	-0.33	-0.03	0.23	0.40	2.82e-03	-9.22e-03	4.66e-06	-6.40e-03	-5.09e-03
		62	0.68	0.51	-0.65	-0.04	-0.10	0.58	0.01	2.04e-03	7.52e-03	7.96e-03	5.69e-03
		54	0.55	0.38	-0.57	-0.05	-0.14	0.47	-5.20e-04	-8.54e-03	-4.89e-03	-4.18e-03	-4.00e-03
53	61	53	0.42	0.55	-0.12	0.12	0.31	0.32	2.42e-03	-7.81e-03	-5.89e-03	5.03e-04	3.99e-03
		61	0.46	0.49	-0.27	-0.03	0.25	0.36	-9.83e-04	-0.01	-5.37e-03	-7.54e-03	-5.36e-03
		62	0.62	0.47	-0.60	-0.04	-0.08	0.54	0.01	-1.97e-03	1.58e-03	6.69e-03	5.55e-03
		54	0.50	0.37	-0.49	-0.05	-0.08	0.43	-3.46e-03	-0.01	-0.01	-5.57e-03	-3.94e-03
53	62	53	0.45	0.56	-0.20	0.11	0.25	0.37	4.89e-03	-3.62e-03	-4.90e-04	1.76e-03	4.11e-03
		61	0.50	0.52	-0.33	-0.03	0.23	0.40	2.82e-03	-9.21e-03	1.04e-05	-6.40e-03	-5.09e-03
		62	0.68	0.51	-0.65	-0.04	-0.10	0.58	0.01	2.05e-03	7.53e-03	7.96e-03	5.70e-03
		54	0.55	0.38	-0.57	-0.05	-0.14	0.47	-5.13e-04	-8.54e-03	-4.88e-03	-4.17e-03	-4.00e-03
53	63	53	0.42	0.55	-0.13	0.12	0.30	0.32	2.72e-03	-7.16e-03	-5.12e-03	6.88e-04	4.00e-03
		61	0.46	0.49	-0.28	-0.03	0.24	0.36	-4.68e-04	-0.01	-4.60e-03	-7.37e-03	-5.34e-03
		62	0.63	0.47	-0.60	-0.05	-0.09	0.54	0.01	-1.32e-03	2.45e-03	6.88e-03	5.56e-03
		54	0.50	0.36	-0.50	-0.05	-0.09	0.43	-3.10e-03	-0.01	-9.98e-03	-5.37e-03	-3.95e-03
53	64	53	0.45	0.56	-0.19	0.11	0.26	0.37	4.49e-03	-4.19e-03	-1.27e-03	1.57e-03	4.10e-03
		61	0.50	0.53	-0.32	-0.02	0.23	0.40	2.21e-03	-9.55e-03	-7.63e-04	-6.58e-03	-5.11e-03
		62	0.67	0.52	-0.65	-0.03	-0.09	0.58	0.01	1.49e-03	6.65e-03	7.76e-03	5.68e-03
		54	0.55	0.39	-0.56	-0.05	-0.13	0.47	-1.03e-03	-9.13e-03	-5.77e-03	-4.38e-03	-3.99e-03
53	65	53	0.42	0.55	-0.13	0.12	0.30	0.32	2.73e-03	-7.15e-03	-5.12e-03	6.92e-04	4.00e-03
		61	0.46	0.49	-0.28	-0.03	0.24	0.36	-4.61e-04	-0.01	-4.60e-03	-7.37e-03	-5.35e-03
		62	0.63	0.47	-0.60	-0.05	-0.09	0.54	0.01	-1.31e-03	2.46e-03	6.89e-03	5.56e-03
		54	0.50	0.36	-0.50	-0.05	-0.09	0.43	-3.09e-03	-0.01	-9.97e-03	-5.36e-03	-3.95e-03
53	66	53	0.45	0.56	-0.19	0.11	0.26	0.37	4.50e-03	-4.19e-03	-1.26e-03	1.57e-03	4.10e-03
		61	0.50	0.53	-0.32	-0.02	0.23	0.40	2.22e-03	-9.55e-03	-7.57e-04	-6.58e-03	-5.11e-03
		62	0.67	0.52	-0.65	-0.03	-0.09	0.58	0.01	1.50e-03	6.66e-03	7.77e-03	5.68e-03
		54	0.55	0.39	-0.56	-0.05	-0.13	0.47	-1.02e-03	-9.12e-03	-5.76e-03	-4.38e-03	-3.99e-03
53	67	53	0.42	0.55	-0.13	0.12	0.30	0.32	2.72e-03	-7.16e-03	-5.12e-03	6.89e-04	4.00e-03
		61	0.46	0.49	-0.28	-0.03	0.24	0.36	-4.65e-04	-0.01	-4.60e-03	-7.37e-03	-5.35e-03
		62	0.63	0.47	-0.60	-0.05	-0.09	0.54	0.01	-1.32e-03	2.45e-03	6.88e-03	5.56e-03
		54	0.50	0.36	-0.50	-0.05	-0.09	0.43	-3.10e-03	-0.01	-9.98e-03	-5.36e-03	-3.95e-03
53	68	53	0.45	0.56	-0.19	0.11	0.26	0.37	4.49e-03	-4.19e-03	-1.27e-03	1.57e-03	4.10e-03
		61	0.50	0.53	-0.32	-0.02	0.23	0.40	2.21e-03	-9.55e-03	-7.63e-04	-6.58e-03	-5.11e-03
		62	0.67	0.52	-0.65	-0.03	-0.09	0.58	0.01	1.50e-03	6.65e-03	7.76e-03	5.68e-03
		54	0.55	0.39	-0.56	-0.05	-0.13	0.47	-1.03e-03	-9.12e-03	-5.77e-03	-4.38e-03	-3.99e-03
53	69	53	0.42	0.55	-0.13	0.12	0.30	0.32	2.73e-03	-7.15e-03	-5.12e-03	6.91e-04	4.00e-03
		61	0.46	0.49	-0.28	-0.03	0.24	0.36	-4.64e-04	-0.01	-4.60e-03	-7.37e-03	-5.34e-03
		62	0.63	0.47	-0.60	-0.05	-0.09	0.54	0.01	-1.32e-03	2.46e-03	6.89e-03	5.56e-03
		54	0.50	0.36	-0.50	-0.05	-0.09	0.43	-3.09e-03	-0.01	-9.97e-03	-5.36e-03	-3.95e-03
53	70	53	0.45	0.56	-0.19	0.11	0.26	0.37	4.50e-03	-4.19e-03	-1.26e-03	1.57e-03	4.10e-03
		61	0.50	0.53	-0.32	-0.02	0.23	0.40	2.21e-03	-9.55e-03	-7.57e-04	-6.58e-03	-5.11e-03
		62	0.67	0.52	-0.65	-0.03	-0.09	0.58	0.01	1.50e-03	6.66e-03	7.77e-03	5.68e-03
		54	0.55	0.39	-0.56	-0.05	-0.13	0.47	-1.02e-03	-9.12e-03	-5.76e-03	-4.38e-03	-3.99e-03
53	71	53	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		61	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
53	72	53	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		61	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
53	73	53	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		61	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
53	74	53	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		61	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
53	75	53	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		61	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
53	76	53	0.44	0.55	-0.16	0.11	0.28	0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		61	0.48	0.51	-0.30	-0.03	0.24	0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.49	-0.63	-0.04	-0.09	0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.37	-0.53	-0.05	-0.11	0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
54	1	55	0.57	0.21	-0.72	-0.15	-0.37	-0.45	4.63e-03	-7.31e-03	-4.15e-03	1.47e-03	5.26e-03
		63	0.63	0.39	-0.66	0.04	-0.31	-0.49	1.07e-03	-0.01	-3.49e-03	-9.06e-03	-6.80e-03

		62	0.84	0.81	-0.64	0.05	0.12	-0.73	0.02	1.91e-04	5.92e-03	9.52e-03	7.31e-03
		54	0.68	0.69	-0.49	0.06	0.14	-0.59	-2.77e-03	-0.01	-0.01	-6.33e-03	-5.16e-03
54	2	55	0.57	0.21	-0.72	-0.15	-0.37	-0.45	4.63e-03	-7.31e-03	-4.15e-03	1.47e-03	5.26e-03
		63	0.63	0.39	-0.66	0.04	-0.31	-0.49	1.07e-03	-0.01	-3.49e-03	-9.06e-03	-6.80e-03
		62	0.84	0.81	-0.64	0.05	0.12	-0.73	0.02	1.91e-04	5.92e-03	9.52e-03	7.31e-03
		54	0.68	0.69	-0.49	0.06	0.14	-0.59	-2.77e-03	-0.01	-0.01	-6.33e-03	-5.16e-03
54	3	55	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		63	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
54	4	55	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		63	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
54	5	55	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		63	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
54	6	55	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		63	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
54	7	55	20.65	32.12	1.07	4.81	28.38	10.11	0.30	0.04	0.28	0.06	-0.07
		63	22.41	33.82	-1.59	4.97	27.26	-13.75	-0.07	-0.33	-0.33	-0.08	0.04
		62	21.71	33.25	-0.67	4.91	27.66	12.58	-0.05	-0.34	-0.34	-0.05	-0.03
		54	21.48	33.21	0.68	5.05	28.84	-11.09	0.32	0.05	0.30	0.07	0.07
54	8	55	7.05	1.99	-8.25	-0.49	-5.77	-4.39	0.66	0.21	0.21	0.66	0.02
		63	3.57	-3.01	-5.54	-3.10	-5.45	-0.45	0.22	-0.07	-0.04	0.19	0.09
		62	5.06	0.85	-6.08	-0.62	-4.61	-2.83	0.24	-0.19	0.11	-0.07	-0.20
		54	3.46	-0.09	-5.02	-0.80	-4.31	1.73	-0.02	-0.36	-0.10	-0.29	-0.14
54	9	55	22.58	35.13	1.16	5.26	31.02	11.08	0.33	0.04	0.31	0.06	-0.07
		63	24.45	36.92	-1.70	5.43	29.79	-14.98	-0.08	-0.37	-0.36	-0.08	0.04
		62	23.75	36.34	-0.78	5.36	30.20	13.79	-0.05	-0.37	-0.37	-0.06	-0.04
		54	23.43	36.23	0.77	5.52	31.48	-12.07	0.35	0.05	0.32	0.07	0.08
54	10	55	5.15	2.17	-5.33	-0.03	-3.13	-3.42	0.67	0.24	0.24	0.67	9.08e-03
		63	3.09	-1.09	-4.46	-2.64	-2.92	-1.68	0.22	-0.10	-0.07	0.18	0.10
		62	3.10	0.76	-3.00	-0.17	-2.07	-1.62	0.22	-0.21	0.08	-0.07	-0.20
		54	1.65	5.66e-04	-2.00	-0.34	-1.67	0.75	-7.05e-03	-0.35	-0.07	-0.28	-0.13
54	11	55	20.65	32.12	1.06	4.81	28.37	10.11	0.30	0.04	0.28	0.06	-0.07
		63	22.40	33.81	-1.59	4.97	27.25	-13.75	-0.07	-0.33	-0.33	-0.08	0.04
		62	21.71	33.24	-0.68	4.91	27.66	12.58	-0.05	-0.34	-0.34	-0.05	-0.03
		54	21.47	33.20	0.68	5.05	28.83	-11.09	0.31	0.04	0.29	0.06	0.07
54	12	55	7.05	2.00	-8.24	-0.48	-5.76	-4.39	0.66	0.21	0.21	0.66	0.02
		63	3.57	-3.01	-5.53	-3.09	-5.45	-0.45	0.22	-0.07	-0.04	0.19	0.09
		62	5.06	0.86	-6.08	-0.62	-4.61	-2.84	0.24	-0.19	0.11	-0.07	-0.20
		54	3.46	-0.09	-5.01	-0.80	-4.30	1.73	-0.02	-0.36	-0.10	-0.29	-0.14
54	13	55	22.58	35.12	1.15	5.26	31.01	11.08	0.33	0.04	0.31	0.06	-0.07
		63	24.45	36.91	-1.71	5.42	29.79	-14.98	-0.08	-0.37	-0.36	-0.08	0.04
		62	23.75	36.34	-0.78	5.36	30.20	13.79	-0.05	-0.37	-0.37	-0.06	-0.04
		54	23.42	36.22	0.76	5.51	31.47	-12.07	0.34	0.05	0.32	0.07	0.08
54	14	55	5.15	2.18	-5.33	-0.03	-3.12	-3.42	0.67	0.24	0.24	0.67	9.08e-03
		63	3.09	-1.09	-4.46	-2.63	-2.91	-1.68	0.22	-0.10	-0.07	0.18	0.10
		62	3.10	0.76	-3.00	-0.17	-2.07	-1.62	0.22	-0.21	0.08	-0.07	-0.20
		54	1.64	5.07e-03	-2.00	-0.33	-1.66	0.75	-6.43e-03	-0.35	-0.07	-0.28	-0.13
54	15	55	20.65	32.12	1.07	4.81	28.38	10.11	0.30	0.04	0.28	0.06	-0.07
		63	22.41	33.82	-1.59	4.97	27.26	-13.75	-0.07	-0.33	-0.33	-0.08	0.04
		62	21.71	33.25	-0.67	4.91	27.66	12.58	-0.05	-0.34	-0.34	-0.05	-0.03
		54	21.48	33.21	0.68	5.05	28.84	-11.09	0.32	0.05	0.30	0.07	0.07
54	16	55	7.05	1.99	-8.25	-0.49	-5.77	-4.39	0.66	0.21	0.21	0.66	0.02
		63	3.57	-3.01	-5.54	-3.10	-5.45	-0.45	0.22	-0.07	-0.04	0.19	0.09
		62	5.06	0.85	-6.08	-0.62	-4.61	-2.83	0.24	-0.19	0.11	-0.07	-0.20
		54	3.46	-0.09	-5.02	-0.80	-4.31	1.73	-0.02	-0.36	-0.10	-0.29	-0.14
54	17	55	22.58	35.13	1.16	5.26	31.02	11.08	0.33	0.04	0.31	0.06	-0.07
		63	24.45	36.92	-1.70	5.43	29.79	-14.98	-0.08	-0.37	-0.36	-0.08	0.04
		62	23.75	36.34	-0.78	5.36	30.20	13.79	-0.05	-0.37	-0.37	-0.06	-0.04
		54	23.43	36.23	0.77	5.52	31.48	-12.07	0.35	0.05	0.32	0.07	0.08
54	18	55	5.15	2.17	-5.33	-0.03	-3.13	-3.42	0.67	0.24	0.24	0.67	9.08e-03
		63	3.09	-1.09	-4.46	-2.64	-2.92	-1.68	0.22	-0.10	-0.07	0.18	0.10
		62	3.10	0.76	-3.00	-0.17	-2.07	-1.62	0.22	-0.21	0.08	-0.07	-0.20
		54	1.65	5.37e-04	-2.00	-0.34	-1.67	0.75	-7.05e-03	-0.35	-0.07	-0.28	-0.13
54	19	55	20.65	32.12	1.06	4.81	28.37	10.11	0.30	0.04	0.28	0.06	-0.07
		63	22.40	33.81	-1.59	4.97	27.25	-13.75	-0.07	-0.33	-0.33	-0.08	0.04
		62	21.71	33.24	-0.68	4.91	27.66	12.58	-0.05	-0.34	-0.34	-0.05	-0.03
		54	21.47	33.20	0.68	5.05	28.83	-11.09	0.31	0.04	0.29	0.06	0.07
54	20	55	7.05	2.00	-8.24	-0.48	-5.76	-4.39	0.66	0.21	0.21	0.66	0.02
		63	3.57	-3.01	-5.53	-3.09	-5.45	-0.45	0.22	-0.07	-0.04	0.19	0.09
		62	5.06	0.86	-6.08	-0.61	-4.61	-2.84	0.24	-0.19	0.11	-0.07	-0.20

		54	3.46	-0.09	-5.01	-0.80	-4.30	1.73	-0.02	-0.36	-0.10	-0.29	-0.14
54	21	55	22.58	35.12	1.15	5.26	31.01	11.08	0.33	0.04	0.31	0.06	-0.07
		63	24.45	36.91	-1.71	5.42	29.79	-14.98	-0.08	-0.37	-0.36	-0.08	0.04
		62	23.75	36.34	-0.78	5.36	30.20	13.79	-0.05	-0.37	-0.37	-0.06	-0.04
		54	23.42	36.22	0.76	5.51	31.47	-12.07	0.34	0.05	0.32	0.07	0.08
54	22	55	5.15	2.18	-5.33	-0.03	-3.12	-3.42	0.67	0.24	0.24	0.67	9.09e-03
		63	3.09	-1.09	-4.46	-2.63	-2.91	-1.68	0.22	-0.10	-0.07	0.18	0.10
		62	3.10	0.76	-3.00	-0.17	-2.07	-1.62	0.22	-0.21	0.08	-0.07	-0.20
		54	1.64	5.04e-03	-2.00	-0.33	-1.66	0.75	-6.43e-03	-0.35	-0.07	-0.28	-0.13
54	23	55	79.94	124.16	3.81	18.70	109.27	39.63	1.15	0.14	1.08	0.21	-0.26
		63	85.14	128.95	-5.17	18.92	104.86	-51.49	-0.25	-1.28	-1.25	-0.28	0.16
		62	83.97	128.03	-3.90	18.66	105.48	49.67	-0.21	-1.32	-1.30	-0.23	-0.14
		54	81.15	125.79	3.31	19.18	109.92	-41.13	1.23	0.18	1.15	0.26	0.28
54	24	55	12.52	7.38	-10.88	1.05	-4.56	-8.69	2.23	0.85	0.85	2.23	8.11e-03
		63	10.42	1.32	-13.46	-7.97	-4.17	-7.14	0.73	-0.40	-0.29	0.61	0.35
		62	5.43	1.13	-3.00	0.23	-2.10	-1.71	0.68	-0.76	0.19	-0.27	-0.68
		54	4.06	1.17	-2.08	-0.33	-0.57	1.62	0.02	-1.11	-0.16	-0.92	-0.42
54	25	55	80.52	125.06	3.84	18.84	110.06	39.92	1.16	0.14	1.09	0.21	-0.26
		63	85.76	129.89	-5.21	19.06	105.62	-51.86	-0.26	-1.28	-1.26	-0.28	0.16
		62	84.58	128.96	-3.93	18.79	106.24	50.04	-0.21	-1.33	-1.31	-0.23	-0.15
		54	81.73	126.69	3.34	19.32	110.72	-41.42	1.24	0.18	1.16	0.26	0.28
54	26	55	11.97	7.47	-10.04	1.19	-3.76	-8.40	2.23	0.86	0.86	2.23	6.17e-03
		63	10.70	2.20	-13.45	-7.83	-3.41	-7.51	0.73	-0.41	-0.29	0.61	0.35
		62	4.89	1.10	-2.08	0.36	-1.34	-1.34	0.68	-0.77	0.19	-0.28	-0.68
		54	4.02	1.36	-1.33	-0.20	0.22	1.33	0.03	-1.10	-0.15	-0.92	-0.42
54	27	55	79.94	124.16	3.81	18.70	109.27	39.63	1.15	0.14	1.08	0.21	-0.26
		63	85.14	128.95	-5.17	18.92	104.86	-51.49	-0.25	-1.28	-1.25	-0.28	0.16
		62	83.97	128.03	-3.90	18.66	105.48	49.67	-0.21	-1.32	-1.30	-0.23	-0.14
		54	81.15	125.79	3.31	19.18	109.92	-41.13	1.23	0.18	1.15	0.26	0.28
54	28	55	12.52	7.38	-10.88	1.05	-4.56	-8.69	2.23	0.85	0.85	2.23	8.10e-03
		63	10.42	1.32	-13.46	-7.97	-4.17	-7.14	0.73	-0.41	-0.29	0.61	0.35
		62	5.43	1.13	-3.00	0.23	-2.10	-1.71	0.68	-0.76	0.19	-0.27	-0.68
		54	4.06	1.17	-2.08	-0.33	-0.57	1.62	0.02	-1.11	-0.16	-0.92	-0.42
54	29	55	80.52	125.06	3.84	18.84	110.06	39.92	1.16	0.14	1.09	0.21	-0.26
		63	85.76	129.89	-5.21	19.06	105.62	-51.86	-0.26	-1.28	-1.26	-0.28	0.16
		62	84.58	128.96	-3.93	18.79	106.24	50.04	-0.21	-1.33	-1.31	-0.23	-0.15
		54	81.73	126.69	3.34	19.32	110.72	-41.42	1.24	0.18	1.16	0.26	0.28
54	30	55	11.97	7.47	-10.04	1.19	-3.76	-8.40	2.23	0.86	0.86	2.23	6.17e-03
		63	10.70	2.20	-13.45	-7.83	-3.41	-7.51	0.73	-0.41	-0.29	0.61	0.35
		62	4.89	1.10	-2.08	0.36	-1.34	-1.34	0.68	-0.77	0.19	-0.28	-0.68
		54	4.02	1.36	-1.33	-0.20	0.22	1.33	0.03	-1.10	-0.15	-0.92	-0.42
54	31	55	79.93	124.14	3.80	18.70	109.24	39.64	1.15	0.14	1.08	0.21	-0.26
		63	85.13	128.93	-5.18	18.90	104.85	-51.48	-0.25	-1.28	-1.25	-0.28	0.16
		62	83.97	128.02	-3.92	18.65	105.46	49.68	-0.21	-1.33	-1.31	-0.23	-0.14
		54	81.13	125.76	3.30	19.16	109.89	-41.12	1.23	0.18	1.15	0.26	0.28
54	32	55	12.52	7.39	-10.86	1.06	-4.53	-8.69	2.23	0.86	0.86	2.23	8.11e-03
		63	10.43	1.34	-13.45	-7.95	-4.16	-7.14	0.73	-0.40	-0.28	0.61	0.35
		62	5.44	1.14	-2.99	0.24	-2.08	-1.71	0.68	-0.76	0.20	-0.27	-0.68
		54	4.07	1.19	-2.05	-0.32	-0.54	1.62	0.03	-1.11	-0.16	-0.92	-0.42
54	33	55	80.51	125.04	3.83	18.84	110.03	39.93	1.16	0.14	1.09	0.21	-0.26
		63	85.75	129.87	-5.22	19.04	105.61	-51.85	-0.26	-1.29	-1.26	-0.28	0.16
		62	84.58	128.95	-3.95	18.78	106.22	50.04	-0.21	-1.34	-1.32	-0.23	-0.15
		54	81.72	126.66	3.32	19.30	110.69	-41.42	1.24	0.18	1.16	0.26	0.28
54	34	55	11.96	7.49	-10.03	1.19	-3.73	-8.40	2.23	0.86	0.86	2.23	6.18e-03
		63	10.70	2.23	-13.44	-7.81	-3.40	-7.51	0.73	-0.41	-0.29	0.61	0.35
		62	4.89	1.12	-2.06	0.37	-1.32	-1.35	0.68	-0.77	0.19	-0.28	-0.68
		54	4.03	1.38	-1.31	-0.18	0.25	1.32	0.03	-1.10	-0.15	-0.92	-0.42
54	35	55	79.93	124.14	3.80	18.70	109.24	39.64	1.15	0.14	1.08	0.21	-0.26
		63	85.13	128.93	-5.18	18.90	104.85	-51.48	-0.25	-1.28	-1.25	-0.28	0.16
		62	83.97	128.02	-3.92	18.65	105.46	49.68	-0.21	-1.33	-1.31	-0.23	-0.14
		54	81.13	125.76	3.30	19.16	109.89	-41.12	1.23	0.18	1.15	0.26	0.28
54	36	55	12.52	7.39	-10.86	1.06	-4.53	-8.69	2.23	0.86	0.86	2.23	8.11e-03
		63	10.43	1.34	-13.45	-7.95	-4.16	-7.14	0.73	-0.40	-0.28	0.61	0.35
		62	5.44	1.14	-2.99	0.24	-2.08	-1.71	0.68	-0.76	0.20	-0.27	-0.68
		54	4.07	1.19	-2.05	-0.32	-0.54	1.62	0.03	-1.11	-0.16	-0.92	-0.42
54	37	55	80.51	125.04	3.83	18.84	110.03	39.93	1.16	0.14	1.09	0.21	-0.26
		63	85.75	129.87	-5.22	19.04	105.61	-51.85	-0.26	-1.29	-1.26	-0.28	0.16
		62	84.58	128.95	-3.95	18.78	106.22	50.04	-0.21	-1.34	-1.32	-0.23	-0.15
		54	81.72	126.66	3.32	19.30	110.69	-41.42	1.24	0.18	1.16	0.26	0.28
54	38	55	11.96	7.49	-10.03	1.19	-3.73	-8.40	2.23	0.86	0.86	2.23	6.18e-03
		63	10.70	2.23	-13.44	-7.81	-3.40	-7.51	0.73	-0.41	-0.29	0.61	0.35
		62	4.89	1.12	-2.06	0.37	-1.32	-1.35	0.68	-0.77	0.19	-0.28	-0.68
		54	4.03	1.38	-1.31	-0.18	0.25	1.32	0.03	-1.10	-0.15	-0.92	-0.42
54	39	55	0.44	0.17	-0.55	-0.11	-0.27	-0.35	3.94e-03	-5.00e-03	-2.38e-03	1.32e-03	4.07e-03
		63	0.49	0.31	-0.51	0.03	-0.23	-0.39	1.41e-03	-0.01	-1.87e-03	-6.80e-03	-5.19e-03
		62	0.66	0.63	-0.50	0.04	0.09	-0.57	0.01	7.58e-04	5.46e-03	7.52e-03	5.64e-03
		54	0.53	0.54	-0.38	0.05	0.12	-0.46	-1.66e-03	-9.95e-03	-6.96e-03	-4.65e-03	-3.98e-03

54	40	55	0.43	0.15	-0.55	-0.11	-0.29	-0.34	3.21e-03	-6.25e-03	-3.99e-03	9.46e-04	4.03e-03
		63	0.47	0.29	-0.50	0.03	-0.24	-0.37	2.78e-04	-0.01	-3.47e-03	-7.14e-03	-5.27e-03
		62	0.64	0.62	-0.49	0.04	0.09	-0.55	0.01	-4.51e-04	3.67e-03	7.14e-03	5.60e-03
		54	0.52	0.52	-0.37	0.05	0.10	-0.44	-2.55e-03	-0.01	-8.75e-03	-5.07e-03	-3.96e-03
54	41	55	0.44	0.17	-0.55	-0.11	-0.27	-0.35	3.93e-03	-5.01e-03	-2.40e-03	1.31e-03	4.07e-03
		63	0.49	0.31	-0.51	0.03	-0.23	-0.39	1.39e-03	-0.01	-1.89e-03	-6.81e-03	-5.18e-03
		62	0.66	0.63	-0.50	0.04	0.09	-0.57	0.01	7.25e-04	5.43e-03	7.51e-03	5.65e-03
		54	0.53	0.54	-0.38	0.05	0.12	-0.46	-1.69e-03	-9.98e-03	-6.99e-03	-4.67e-03	-3.98e-03
54	42	55	0.43	0.15	-0.55	-0.11	-0.29	-0.34	3.20e-03	-6.26e-03	-4.01e-03	9.37e-04	4.03e-03
		63	0.47	0.29	-0.50	0.03	-0.24	-0.37	2.52e-04	-0.01	-3.49e-03	-7.14e-03	-5.26e-03
		62	0.64	0.62	-0.49	0.04	0.09	-0.55	0.01	-4.84e-04	3.64e-03	7.13e-03	5.60e-03
		54	0.52	0.52	-0.37	0.05	0.10	-0.44	-2.57e-03	-0.01	-8.79e-03	-5.09e-03	-3.96e-03
54	43	55	0.44	0.17	-0.56	-0.11	-0.28	-0.35	3.83e-03	-5.17e-03	-2.60e-03	1.27e-03	4.07e-03
		63	0.49	0.30	-0.51	0.03	-0.24	-0.39	1.24e-03	-0.01	-2.09e-03	-6.85e-03	-5.20e-03
		62	0.66	0.63	-0.50	0.04	0.09	-0.57	0.01	5.81e-04	5.20e-03	7.46e-03	5.64e-03
		54	0.53	0.54	-0.38	0.05	0.11	-0.46	-1.80e-03	-0.01	-7.22e-03	-4.72e-03	-3.97e-03
54	44	55	0.43	0.15	-0.55	-0.11	-0.29	-0.34	3.31e-03	-6.06e-03	-3.76e-03	1.00e-03	4.03e-03
		63	0.48	0.29	-0.50	0.03	-0.24	-0.37	4.39e-04	-0.01	-3.25e-03	-7.09e-03	-5.27e-03
		62	0.64	0.62	-0.49	0.04	0.09	-0.55	0.01	-2.64e-04	3.94e-03	7.20e-03	5.60e-03
		54	0.52	0.52	-0.37	0.05	0.10	-0.44	-2.42e-03	-0.01	-8.49e-03	-5.01e-03	-3.96e-03
54	45	55	0.44	0.17	-0.56	-0.11	-0.28	-0.35	3.82e-03	-5.19e-03	-2.62e-03	1.26e-03	4.06e-03
		63	0.49	0.30	-0.51	0.03	-0.24	-0.39	1.22e-03	-0.01	-2.11e-03	-6.86e-03	-5.19e-03
		62	0.66	0.63	-0.50	0.04	0.09	-0.57	0.01	5.48e-04	5.16e-03	7.45e-03	5.64e-03
		54	0.53	0.54	-0.38	0.05	0.11	-0.46	-1.82e-03	-0.01	-7.26e-03	-4.73e-03	-3.98e-03
54	46	55	0.43	0.15	-0.55	-0.11	-0.29	-0.34	3.29e-03	-6.08e-03	-3.78e-03	9.93e-04	4.03e-03
		63	0.48	0.29	-0.50	0.03	-0.24	-0.37	4.13e-04	-0.01	-3.27e-03	-7.09e-03	-5.26e-03
		62	0.64	0.62	-0.49	0.04	0.09	-0.55	0.01	-2.98e-04	3.90e-03	7.18e-03	5.61e-03
		54	0.52	0.52	-0.37	0.05	0.10	-0.44	-2.44e-03	-0.01	-8.52e-03	-5.03e-03	-3.96e-03
54	47	55	0.44	0.17	-0.55	-0.11	-0.27	-0.35	3.94e-03	-4.99e-03	-2.38e-03	1.32e-03	4.07e-03
		63	0.49	0.31	-0.51	0.03	-0.23	-0.39	1.40e-03	-0.01	-1.87e-03	-6.80e-03	-5.18e-03
		62	0.66	0.63	-0.50	0.04	0.09	-0.57	0.01	7.50e-04	5.46e-03	7.52e-03	5.65e-03
		54	0.53	0.54	-0.38	0.05	0.12	-0.46	-1.66e-03	-9.95e-03	-6.96e-03	-4.65e-03	-3.98e-03
54	48	55	0.43	0.15	-0.55	-0.11	-0.29	-0.34	3.21e-03	-6.25e-03	-3.99e-03	9.47e-04	4.03e-03
		63	0.47	0.29	-0.50	0.03	-0.24	-0.37	2.66e-04	-0.01	-3.47e-03	-7.14e-03	-5.26e-03
		62	0.64	0.62	-0.49	0.04	0.09	-0.55	0.01	-4.58e-04	3.67e-03	7.14e-03	5.60e-03
		54	0.52	0.52	-0.37	0.05	0.10	-0.44	-2.54e-03	-0.01	-8.75e-03	-5.07e-03	-3.96e-03
54	49	55	0.44	0.17	-0.55	-0.11	-0.27	-0.35	3.93e-03	-5.01e-03	-2.39e-03	1.31e-03	4.07e-03
		63	0.49	0.31	-0.51	0.03	-0.23	-0.39	1.40e-03	-0.01	-1.89e-03	-6.81e-03	-5.19e-03
		62	0.66	0.63	-0.50	0.04	0.09	-0.57	0.01	7.32e-04	5.43e-03	7.51e-03	5.64e-03
		54	0.53	0.54	-0.38	0.05	0.12	-0.46	-1.69e-03	-9.97e-03	-6.99e-03	-4.67e-03	-3.98e-03
54	50	55	0.43	0.15	-0.55	-0.11	-0.29	-0.34	3.20e-03	-6.26e-03	-4.00e-03	9.36e-04	4.03e-03
		63	0.47	0.29	-0.50	0.03	-0.24	-0.37	2.64e-04	-0.01	-3.49e-03	-7.14e-03	-5.27e-03
		62	0.64	0.62	-0.49	0.04	0.09	-0.55	0.01	-4.77e-04	3.64e-03	7.13e-03	5.60e-03
		54	0.52	0.52	-0.37	0.05	0.10	-0.44	-2.57e-03	-0.01	-8.78e-03	-5.09e-03	-3.96e-03
54	51	55	0.44	0.17	-0.56	-0.11	-0.28	-0.35	3.83e-03	-5.17e-03	-2.60e-03	1.27e-03	4.06e-03
		63	0.49	0.30	-0.51	0.03	-0.24	-0.39	1.23e-03	-0.01	-2.10e-03	-6.85e-03	-5.19e-03
		62	0.66	0.63	-0.50	0.04	0.09	-0.57	0.01	5.74e-04	5.20e-03	7.46e-03	5.64e-03
		54	0.53	0.54	-0.38	0.05	0.11	-0.46	-1.80e-03	-0.01	-7.22e-03	-4.71e-03	-3.98e-03
54	52	55	0.43	0.15	-0.55	-0.11	-0.29	-0.34	3.30e-03	-6.06e-03	-3.76e-03	1.00e-03	4.03e-03
		63	0.48	0.29	-0.50	0.03	-0.24	-0.37	4.27e-04	-0.01	-3.25e-03	-7.09e-03	-5.26e-03
		62	0.64	0.62	-0.49	0.04	0.09	-0.55	0.01	-2.71e-04	3.94e-03	7.20e-03	5.61e-03
		54	0.52	0.52	-0.37	0.05	0.10	-0.44	-2.42e-03	-0.01	-8.49e-03	-5.01e-03	-3.96e-03
54	53	55	0.44	0.17	-0.56	-0.11	-0.28	-0.35	3.82e-03	-5.19e-03	-2.62e-03	1.26e-03	4.07e-03
		63	0.49	0.30	-0.51	0.03	-0.24	-0.39	1.23e-03	-0.01	-2.11e-03	-6.86e-03	-5.20e-03
		62	0.66	0.63	-0.50	0.04	0.09	-0.57	0.01	5.56e-04	5.17e-03	7.45e-03	5.64e-03
		54	0.53	0.54	-0.38	0.05	0.11	-0.46	-1.83e-03	-0.01	-7.26e-03	-4.74e-03	-3.97e-03
54	54	55	0.43	0.15	-0.55	-0.11	-0.29	-0.34	3.29e-03	-6.08e-03	-3.78e-03	9.93e-04	4.03e-03
		63	0.48	0.29	-0.50	0.03	-0.24	-0.37	4.25e-04	-0.01	-3.27e-03	-7.09e-03	-5.27e-03
		62	0.64	0.62	-0.49	0.04	0.09	-0.55	0.01	-2.90e-04	3.91e-03	7.18e-03	5.60e-03
		54	0.52	0.52	-0.37	0.05	0.10	-0.44	-2.44e-03	-0.01	-8.52e-03	-5.03e-03	-3.96e-03
54	55	55	0.45	0.20	-0.56	-0.11	-0.25	-0.37	4.88e-03	-3.63e-03	-5.05e-04	1.76e-03	4.11e-03
		63	0.50	0.33	-0.52	0.03	-0.23	-0.40	2.81e-03	-9.22e-03	-5.56e-06	-6.41e-03	-5.09e-03
		62	0.68	0.65	-0.51	0.04	0.10	-0.58	0.01	2.05e-03	7.53e-03	7.96e-03	5.69e-03
		54	0.55	0.57	-0.38	0.05	0.14	-0.47	-5.10e-04	-8.54e-03	-4.88e-03	-4.17e-03	-4.00e-03
54	56	55	0.42	0.12	-0.55	-0.12	-0.31	-0.32	2.43e-03	-7.79e-03	-5.87e-03	5.05e-04	3.99e-03
		63	0.46	0.27	-0.49	0.03	-0.25	-0.36	-9.66e-04	-0.01	-5.35e-03	-7.54e-03	-5.37e-03
		62	0.62	0.60	-0.47	0.04	0.08	-0.54	0.01	-1.97e-03	1.58e-03	6.69e-03	5.55e-03
		54	0.50	0.49	-0.37	0.05	0.08	-0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	-3.94e-03
54	57	55	0.45	0.20	-0.56	-0.11	-0.25	-0.37	4.88e-03	-3.64e-03	-5.11e-04	1.75e-03	4.11e-03
		63	0.50	0.33	-0.52	0.03	-0.23	-0.40	2.80e-03	-9.22e-03	-1.14e-05	-6.41e-03	-5.09e-03
		62	0.68	0.65	-0.51	0.04	0.10	-0.58	0.01	2.04e-03	7.52e-03	7.96e-03	5.70e-03
		54	0.55	0.57	-0.38	0.05	0.14	-0.47	-5.17e-04	-8.55e-03	-4.89e-03	-4.18e-03	-4.00e-03
54	58	55	0.42	0.12	-0.55	-0.12	-0.31	-0.32	2.42e-03	-7.80e-03	-5.88e-03	5.02e-04	3.99e-03
		63	0.46	0.27	-0.49	0.03	-0.25	-0.36	-9.74e-04	-0.01	-5.36e-03	-7.54e-03	-5.36e-03
		62	0.62	0.60	-0.47	0.04	0.08	-0.54	0.01	-1.98e-03	1.57e-03	6.69e-03	5.55e-03
		54	0.50	0.49	-0.37	0.05	0.08	-0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	-3.94e-03
54	59	55	0.45	0.20	-0.56	-0.11	-0.25	-0.37	4.88e-03	-3.63e-03	-5.05e-04	1.76e-03	4.11e-03

		63	0.50	0.33	-0.52	0.03	-0.23	-0.40	2.80e-03	-9.22e-03	-5.97e-06	-6.41e-03	-5.09e-03
		62	0.68	0.65	-0.51	0.04	0.10	-0.58	0.01	2.05e-03	7.53e-03	7.96e-03	5.70e-03
		54	0.55	0.57	-0.38	0.05	0.14	-0.47	-5.09e-04	-8.54e-03	-4.88e-03	-4.17e-03	-4.00e-03
54	60	55	0.42	0.12	-0.55	-0.12	-0.31	-0.32	2.43e-03	-7.79e-03	-5.87e-03	5.05e-04	3.99e-03
		63	0.46	0.27	-0.49	0.03	-0.25	-0.36	-9.70e-04	-0.01	-5.35e-03	-7.54e-03	-5.36e-03
		62	0.62	0.60	-0.47	0.04	0.08	-0.54	0.01	-1.97e-03	1.58e-03	6.69e-03	5.55e-03
		54	0.50	0.49	-0.37	0.05	0.08	-0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	-3.94e-03
54	61	55	0.45	0.20	-0.56	-0.11	-0.25	-0.37	4.88e-03	-3.64e-03	-5.10e-04	1.75e-03	4.11e-03
		63	0.50	0.33	-0.52	0.03	-0.23	-0.40	2.80e-03	-9.22e-03	-1.10e-05	-6.41e-03	-5.09e-03
		62	0.68	0.65	-0.51	0.04	0.10	-0.58	0.01	2.04e-03	7.52e-03	7.96e-03	5.69e-03
		54	0.55	0.57	-0.38	0.05	0.14	-0.47	-5.18e-04	-8.54e-03	-4.89e-03	-4.18e-03	-4.00e-03
54	62	55	0.42	0.12	-0.55	-0.12	-0.31	-0.32	2.42e-03	-7.80e-03	-5.88e-03	5.02e-04	3.99e-03
		63	0.46	0.27	-0.49	0.03	-0.25	-0.36	-9.70e-04	-0.01	-5.36e-03	-7.54e-03	-5.37e-03
		62	0.62	0.60	-0.47	0.04	0.08	-0.54	0.01	-1.98e-03	1.57e-03	6.69e-03	5.55e-03
		54	0.50	0.49	-0.37	0.05	0.08	-0.43	-3.47e-03	-0.01	-0.01	-5.57e-03	-3.94e-03
54	63	55	0.45	0.19	-0.56	-0.11	-0.26	-0.37	4.50e-03	-4.18e-03	-1.26e-03	1.57e-03	4.10e-03
		63	0.50	0.32	-0.53	0.02	-0.23	-0.40	2.22e-03	-9.55e-03	-7.55e-04	-6.58e-03	-5.11e-03
		62	0.67	0.65	-0.52	0.03	0.09	-0.58	0.01	1.50e-03	6.66e-03	7.77e-03	5.68e-03
		54	0.55	0.56	-0.39	0.05	0.13	-0.47	-1.02e-03	-9.12e-03	-5.76e-03	-4.38e-03	-3.99e-03
54	64	55	0.42	0.13	-0.55	-0.12	-0.30	-0.32	2.73e-03	-7.15e-03	-5.12e-03	6.92e-04	4.00e-03
		63	0.46	0.28	-0.49	0.03	-0.24	-0.36	-4.62e-04	-0.01	-4.60e-03	-7.37e-03	-5.35e-03
		62	0.63	0.60	-0.47	0.05	0.09	-0.54	0.01	-1.31e-03	2.46e-03	6.89e-03	5.56e-03
		54	0.50	0.50	-0.36	0.05	0.09	-0.43	-3.09e-03	-0.01	-9.97e-03	-5.36e-03	-3.95e-03
54	65	55	0.45	0.19	-0.56	-0.11	-0.26	-0.37	4.49e-03	-4.19e-03	-1.26e-03	1.57e-03	4.10e-03
		63	0.50	0.32	-0.53	0.02	-0.23	-0.40	2.21e-03	-9.55e-03	-7.61e-04	-6.58e-03	-5.11e-03
		62	0.67	0.65	-0.52	0.03	0.09	-0.58	0.01	1.49e-03	6.65e-03	7.76e-03	5.68e-03
		54	0.55	0.56	-0.39	0.05	0.13	-0.47	-1.03e-03	-9.13e-03	-5.77e-03	-4.39e-03	-3.99e-03
54	66	55	0.42	0.13	-0.55	-0.12	-0.30	-0.32	2.72e-03	-7.16e-03	-5.12e-03	6.89e-04	4.00e-03
		63	0.46	0.28	-0.49	0.03	-0.24	-0.36	-4.70e-04	-0.01	-4.61e-03	-7.37e-03	-5.34e-03
		62	0.63	0.60	-0.47	0.05	0.09	-0.54	0.01	-1.32e-03	2.45e-03	6.88e-03	5.56e-03
		54	0.50	0.50	-0.36	0.05	0.09	-0.43	-3.10e-03	-0.01	-9.98e-03	-5.36e-03	-3.95e-03
54	67	55	0.45	0.19	-0.56	-0.11	-0.26	-0.37	4.50e-03	-4.18e-03	-1.26e-03	1.57e-03	4.10e-03
		63	0.50	0.32	-0.53	0.02	-0.23	-0.40	2.21e-03	-9.55e-03	-7.55e-04	-6.58e-03	-5.11e-03
		62	0.67	0.65	-0.52	0.03	0.09	-0.58	0.01	1.50e-03	6.66e-03	7.77e-03	5.68e-03
		54	0.55	0.56	-0.39	0.05	0.13	-0.47	-1.02e-03	-9.12e-03	-5.76e-03	-4.38e-03	-3.99e-03
54	68	55	0.42	0.13	-0.55	-0.12	-0.30	-0.32	2.73e-03	-7.15e-03	-5.12e-03	6.92e-04	4.00e-03
		63	0.46	0.28	-0.49	0.03	-0.24	-0.36	-4.66e-04	-0.01	-4.60e-03	-7.37e-03	-5.34e-03
		62	0.63	0.60	-0.47	0.05	0.09	-0.54	0.01	-1.32e-03	2.46e-03	6.89e-03	5.56e-03
		54	0.50	0.50	-0.36	0.05	0.09	-0.43	-3.09e-03	-0.01	-9.97e-03	-5.36e-03	-3.95e-03
54	69	55	0.45	0.19	-0.56	-0.11	-0.26	-0.37	4.49e-03	-4.19e-03	-1.26e-03	1.57e-03	4.10e-03
		63	0.50	0.32	-0.53	0.02	-0.23	-0.40	2.21e-03	-9.55e-03	-7.60e-04	-6.58e-03	-5.11e-03
		62	0.67	0.65	-0.52	0.03	0.09	-0.58	0.01	1.49e-03	6.65e-03	7.76e-03	5.68e-03
		54	0.55	0.56	-0.39	0.05	0.13	-0.47	-1.03e-03	-9.12e-03	-5.77e-03	-4.39e-03	-3.99e-03
54	70	55	0.42	0.13	-0.55	-0.12	-0.30	-0.32	2.72e-03	-7.16e-03	-5.12e-03	6.89e-04	4.00e-03
		63	0.46	0.28	-0.49	0.03	-0.24	-0.36	-4.66e-04	-0.01	-4.61e-03	-7.37e-03	-5.35e-03
		62	0.63	0.60	-0.47	0.05	0.09	-0.54	0.01	-1.32e-03	2.45e-03	6.88e-03	5.56e-03
		54	0.50	0.50	-0.36	0.05	0.09	-0.43	-3.10e-03	-0.01	-9.98e-03	-5.36e-03	-3.95e-03
54	71	55	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		63	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
54	72	55	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		63	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
54	73	55	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		63	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
54	74	55	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		63	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
54	75	55	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		63	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
54	76	55	0.44	0.16	-0.55	-0.11	-0.28	-0.35	3.56e-03	-5.62e-03	-3.19e-03	1.13e-03	4.05e-03
		63	0.48	0.30	-0.51	0.03	-0.24	-0.38	8.24e-04	-0.01	-2.68e-03	-6.97e-03	-5.23e-03
		62	0.65	0.63	-0.49	0.04	0.09	-0.56	0.01	1.47e-04	4.55e-03	7.32e-03	5.62e-03
		54	0.52	0.53	-0.37	0.05	0.11	-0.45	-2.13e-03	-0.01	-7.87e-03	-4.87e-03	-3.97e-03
55	1	56	0.25	-0.13	-0.39	-0.14	-0.38	-0.05	6.84e-03	-0.02	-0.01	-1.01e-03	0.01
		64	0.26	0.09	-0.32	0.09	-0.32	0.03	0.01	-0.02	-4.36e-04	-2.34e-03	-0.02
		63	0.67	0.52	-0.55	0.11	-0.14	-0.52	0.02	-0.01	5.67e-03	4.19e-03	0.02
		55	0.48	0.25	-0.49	-0.06	-0.17	-0.37	1.04e-03	-0.03	-0.02	-7.89e-03	-0.01
55	2	56	0.25	-0.13	-0.39	-0.14	-0.38	-0.05	6.84e-03	-0.02	-0.01	-1.01e-03	0.01
		64	0.26	0.09	-0.32	0.09	-0.32	0.03	0.01	-0.02	-4.36e-04	-2.34e-03	-0.02

		63	0.67	0.52	-0.55	0.11	-0.14	-0.52	0.02	-0.01	5.67e-03	4.19e-03	0.02
		55	0.48	0.25	-0.49	-0.06	-0.17	-0.37	1.04e-03	-0.03	-0.02	-7.89e-03	-0.01
55	3	56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		64	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
		63	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		55	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
55	4	56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		64	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
		63	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		55	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
55	5	56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		64	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
		63	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		55	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
55	6	56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		64	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
		63	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		55	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
55	7	56	20.81	32.25	0.79	4.78	28.27	10.47	0.28	0.03	0.26	0.05	-0.06
		64	21.92	33.37	-1.11	5.08	27.18	-13.23	-0.07	-0.33	-0.33	-0.07	0.02
		63	21.59	33.03	-0.61	5.04	27.39	12.57	-0.06	-0.34	-0.34	-0.06	-0.02
		55	21.28	32.84	0.56	4.91	28.49	-11.03	0.29	0.04	0.28	0.05	0.06
55	8	56	7.87	-1.44	-10.90	-3.71	-8.63	-4.04	-0.62	-1.13	-0.74	-1.01	0.22
		64	8.52	2.76	-8.77	2.67	-8.68	1.01	0.48	-0.42	0.47	-0.42	-0.05
		63	11.59	4.77	-12.62	-2.82	-5.03	-8.62	0.50	-0.43	-0.32	0.39	0.30
		55	6.06	0.89	-6.62	0.47	-6.20	-1.73	0.76	0.32	0.36	0.72	0.13
55	9	56	22.75	35.26	0.87	5.23	30.90	11.44	0.31	0.03	0.29	0.05	-0.07
		64	23.95	36.46	-1.21	5.54	29.71	-14.45	-0.08	-0.36	-0.36	-0.08	0.02
		63	23.61	36.12	-0.70	5.49	29.92	13.77	-0.06	-0.37	-0.37	-0.07	-0.02
		55	23.22	35.86	0.64	5.37	31.13	-12.01	0.32	0.04	0.30	0.06	0.07
55	10	56	6.11	-1.27	-7.98	-3.26	-6.00	-3.06	-0.61	-1.11	-0.72	-1.00	0.21
		64	7.13	3.14	-6.16	3.13	-6.15	-0.21	0.44	-0.42	0.44	-0.42	-0.05
		63	9.87	4.99	-9.85	-2.37	-2.49	-7.42	0.49	-0.46	-0.35	0.38	0.30
		55	5.35	2.20	-4.83	0.93	-3.56	-2.71	0.77	0.34	0.39	0.72	0.14
55	11	56	20.81	32.25	0.79	4.78	28.26	10.47	0.28	0.03	0.26	0.05	-0.06
		64	21.92	33.37	-1.11	5.08	27.18	-13.23	-0.07	-0.33	-0.33	-0.07	0.02
		63	21.59	33.03	-0.61	5.03	27.39	12.58	-0.06	-0.34	-0.34	-0.06	-0.02
		55	21.27	32.84	0.56	4.91	28.49	-11.02	0.29	0.04	0.28	0.05	0.06
55	12	56	7.87	-1.44	-10.90	-3.71	-8.62	-4.04	-0.62	-1.13	-0.74	-1.01	0.22
		64	8.52	2.76	-8.77	2.67	-8.68	1.01	0.48	-0.42	0.47	-0.42	-0.05
		63	11.59	4.77	-12.62	-2.82	-5.02	-8.62	0.50	-0.43	-0.32	0.39	0.30
		55	6.06	0.89	-6.61	0.47	-6.19	-1.73	0.76	0.32	0.36	0.72	0.13
55	13	56	22.75	35.26	0.87	5.23	30.89	11.44	0.31	0.03	0.29	0.05	-0.07
		64	23.95	36.46	-1.21	5.54	29.71	-14.45	-0.08	-0.36	-0.36	-0.08	0.02
		63	23.61	36.12	-0.71	5.49	29.92	13.78	-0.06	-0.37	-0.37	-0.07	-0.02
		55	23.22	35.86	0.64	5.37	31.12	-12.01	0.32	0.04	0.30	0.06	0.07
55	14	56	6.11	-1.27	-7.98	-3.26	-5.99	-3.07	-0.61	-1.11	-0.72	-1.00	0.21
		64	7.13	3.14	-6.15	3.13	-6.15	-0.21	0.44	-0.42	0.44	-0.42	-0.05
		63	9.87	4.99	-9.85	-2.36	-2.49	-7.42	0.49	-0.46	-0.35	0.38	0.30
		55	5.36	2.21	-4.83	0.93	-3.55	-2.71	0.77	0.34	0.39	0.72	0.14
55	15	56	20.81	32.25	0.79	4.78	28.27	10.47	0.28	0.03	0.26	0.05	-0.06
		64	21.92	33.37	-1.11	5.08	27.18	-13.23	-0.07	-0.33	-0.33	-0.07	0.02
		63	21.59	33.03	-0.61	5.04	27.39	12.57	-0.06	-0.34	-0.34	-0.06	-0.02
		55	21.28	32.84	0.56	4.91	28.49	-11.03	0.29	0.04	0.28	0.05	0.06
55	16	56	7.87	-1.44	-10.89	-3.71	-8.63	-4.04	-0.62	-1.13	-0.74	-1.01	0.22
		64	8.52	2.76	-8.77	2.67	-8.68	1.01	0.48	-0.42	0.47	-0.42	-0.05
		63	11.59	4.77	-12.62	-2.82	-5.03	-8.62	0.50	-0.43	-0.32	0.39	0.30
		55	6.06	0.89	-6.62	0.47	-6.20	-1.73	0.76	0.32	0.36	0.72	0.13
55	17	56	22.75	35.26	0.87	5.23	30.90	11.44	0.31	0.03	0.29	0.05	-0.07
		64	23.95	36.46	-1.21	5.54	29.71	-14.45	-0.08	-0.36	-0.36	-0.08	0.02
		63	23.61	36.12	-0.70	5.49	29.92	13.77	-0.06	-0.37	-0.37	-0.07	-0.02
		55	23.23	35.86	0.64	5.37	31.13	-12.01	0.32	0.04	0.30	0.06	0.07
55	18	56	6.11	-1.27	-7.98	-3.26	-6.00	-3.06	-0.61	-1.11	-0.72	-1.00	0.21
		64	7.13	3.14	-6.16	3.13	-6.15	-0.21	0.44	-0.42	0.44	-0.42	-0.05
		63	9.87	4.99	-9.85	-2.37	-2.49	-7.42	0.49	-0.46	-0.35	0.38	0.30
		55	5.35	2.20	-4.83	0.93	-3.56	-2.71	0.77	0.34	0.39	0.72	0.14
55	19	56	20.81	32.25	0.79	4.78	28.26	10.47	0.28	0.03	0.26	0.05	-0.06
		64	21.92	33.37	-1.11	5.08	27.18	-13.23	-0.07	-0.33	-0.33	-0.07	0.02
		63	21.59	33.03	-0.61	5.03	27.39	12.58	-0.06	-0.34	-0.34	-0.06	-0.02
		55	21.27	32.84	0.56	4.91	28.49	-11.02	0.29	0.04	0.28	0.05	0.06
55	20	56	7.87	-1.44	-10.90	-3.71	-8.62	-4.04	-0.62	-1.13	-0.74	-1.01	0.22
		64	8.52	2.76	-8.77	2.67	-8.68	1.01	0.48	-0.42	0.47	-0.42	-0.05
		63	11.59	4.77	-12.62	-2.82	-5.03	-8.62	0.50	-0.43	-0.32	0.39	0.30
		55	6.06	0.89	-6.61	0.47	-6.19	-1.73	0.76	0.32	0.36	0.72	0.13
55	21	56	22.75	35.26	0.87	5.23	30.89	11.44	0.31	0.03	0.29	0.05	-0.07
		64	23.95	36.46	-1.21	5.54	29.71	-14.45	-0.08	-0.36	-0.36	-0.08	0.02
		63	23.61	36.12	-0.71	5.49	29.92	13.78	-0.06	-0.37	-0.37	-0.07	-0.02

		55	23.22	35.86	0.64	5.37	31.12	-12.01	0.32	0.04	0.30	0.06	0.07
55	22	56	6.11	-1.27	-7.98	-3.26	-5.99	-3.07	-0.61	-1.11	-0.72	-1.00	0.21
		64	7.13	3.14	-6.15	3.13	-6.15	-0.21	0.44	-0.42	0.44	-0.42	-0.05
		63	9.87	5.00	-9.85	-2.36	-2.49	-7.42	0.49	-0.46	-0.35	0.38	0.30
		55	5.36	2.21	-4.83	0.93	-3.55	-2.71	0.77	0.34	0.39	0.72	0.14
55	23	56	80.11	124.14	3.29	18.57	108.87	40.15	1.11	0.11	1.04	0.18	-0.26
		64	84.17	128.12	-4.32	19.20	104.60	-50.62	-0.26	-1.26	-1.25	-0.28	0.11
		63	83.44	127.36	-3.35	19.00	105.01	49.21	-0.23	-1.31	-1.30	-0.24	-0.10
		55	81.03	125.34	2.86	18.91	109.28	-41.33	1.18	0.14	1.10	0.22	0.27
55	24	56	16.70	-3.44	-20.40	-9.73	-14.11	-8.19	-1.99	-3.66	-2.32	-3.34	0.66
		64	21.15	11.56	-15.31	11.19	-14.94	-3.14	1.42	-1.42	1.42	-1.42	-0.12
		63	28.50	16.41	-26.65	-7.19	-3.05	-21.43	1.59	-1.57	-1.24	1.26	0.97
		55	16.87	10.45	-12.69	4.10	-6.34	-10.33	2.64	1.18	1.39	2.43	0.51
55	25	56	80.69	125.04	3.32	18.70	109.66	40.45	1.12	0.11	1.04	0.18	-0.26
		64	84.78	129.05	-4.35	19.34	105.36	-50.99	-0.27	-1.27	-1.26	-0.28	0.11
		63	84.05	128.28	-3.38	19.14	105.77	49.57	-0.23	-1.32	-1.31	-0.24	-0.10
		55	81.62	126.24	2.88	19.05	110.07	-41.63	1.18	0.14	1.11	0.22	0.27
55	26	56	16.21	-3.34	-19.58	-9.59	-13.32	-7.90	-1.99	-3.66	-2.31	-3.34	0.66
		64	20.86	11.80	-14.66	11.33	-14.18	-3.51	1.41	-1.42	1.41	-1.42	-0.12
		63	28.03	16.53	-25.87	-7.05	-2.29	-21.07	1.59	-1.58	-1.25	1.26	0.97
		55	16.88	11.04	-12.35	4.24	-5.55	-10.62	2.64	1.19	1.39	2.44	0.51
55	27	56	80.11	124.14	3.29	18.57	108.87	40.15	1.11	0.11	1.04	0.18	-0.26
		64	84.17	128.12	-4.32	19.20	104.60	-50.62	-0.26	-1.26	-1.25	-0.28	0.11
		63	83.44	127.36	-3.35	19.00	105.01	49.21	-0.23	-1.31	-1.30	-0.24	-0.10
		55	81.03	125.34	2.86	18.91	109.28	-41.33	1.18	0.14	1.10	0.22	0.27
55	28	56	16.70	-3.44	-20.40	-9.73	-14.11	-8.19	-1.99	-3.66	-2.32	-3.34	0.66
		64	21.15	11.56	-15.31	11.19	-14.94	-3.14	1.42	-1.42	1.42	-1.42	-0.12
		63	28.50	16.41	-26.65	-7.19	-3.05	-21.43	1.59	-1.57	-1.24	1.26	0.97
		55	16.87	10.45	-12.69	4.10	-6.34	-10.33	2.64	1.18	1.39	2.43	0.51
55	29	56	80.69	125.04	3.32	18.70	109.66	40.45	1.12	0.11	1.04	0.18	-0.26
		64	84.78	129.05	-4.35	19.34	105.36	-50.99	-0.27	-1.27	-1.26	-0.28	0.11
		63	84.05	128.28	-3.38	19.14	105.77	49.57	-0.23	-1.32	-1.31	-0.24	-0.10
		55	81.62	126.24	2.88	19.05	110.07	-41.63	1.18	0.14	1.11	0.22	0.27
55	30	56	16.21	-3.34	-19.58	-9.59	-13.32	-7.90	-1.99	-3.66	-2.31	-3.34	0.66
		64	20.86	11.80	-14.66	11.33	-14.18	-3.51	1.41	-1.42	1.41	-1.42	-0.12
		63	28.03	16.53	-25.87	-7.05	-2.29	-21.07	1.59	-1.58	-1.25	1.26	0.97
		55	16.88	11.04	-12.35	4.24	-5.55	-10.62	2.64	1.19	1.39	2.44	0.51
55	31	56	80.11	124.14	3.28	18.56	108.86	40.17	1.11	0.11	1.04	0.18	-0.26
		64	84.16	128.11	-4.31	19.20	104.59	-50.61	-0.26	-1.26	-1.25	-0.28	0.11
		63	83.45	127.36	-3.37	19.00	105.00	49.22	-0.23	-1.31	-1.30	-0.24	-0.10
		55	81.02	125.32	2.86	18.91	109.27	-41.32	1.17	0.14	1.10	0.22	0.27
55	32	56	16.70	-3.42	-20.40	-9.72	-14.10	-8.21	-1.99	-3.66	-2.32	-3.34	0.66
		64	21.15	11.56	-15.31	11.19	-14.93	-3.15	1.42	-1.42	1.42	-1.42	-0.12
		63	28.51	16.43	-26.65	-7.19	-3.04	-21.44	1.59	-1.57	-1.24	1.26	0.97
		55	16.87	10.47	-12.69	4.11	-6.33	-10.34	2.64	1.18	1.39	2.43	0.51
55	33	56	80.69	125.04	3.31	18.70	109.65	40.46	1.11	0.11	1.04	0.18	-0.26
		64	84.77	129.04	-4.34	19.34	105.35	-50.97	-0.27	-1.27	-1.26	-0.28	0.11
		63	84.06	128.28	-3.39	19.13	105.76	49.58	-0.23	-1.32	-1.31	-0.24	-0.10
		55	81.60	126.22	2.88	19.04	110.06	-41.62	1.18	0.14	1.10	0.22	0.27
55	34	56	16.21	-3.32	-19.58	-9.59	-13.31	-7.91	-1.99	-3.66	-2.31	-3.34	0.66
		64	20.86	11.80	-14.65	11.33	-14.18	-3.52	1.41	-1.42	1.41	-1.42	-0.12
		63	28.04	16.55	-25.88	-7.05	-2.28	-21.08	1.59	-1.58	-1.25	1.26	0.97
		55	16.88	11.06	-12.35	4.24	-5.54	-10.64	2.64	1.19	1.39	2.44	0.51
55	35	56	80.11	124.14	3.28	18.56	108.86	40.17	1.11	0.11	1.04	0.18	-0.26
		64	84.16	128.11	-4.31	19.20	104.59	-50.61	-0.26	-1.26	-1.25	-0.28	0.11
		63	83.45	127.36	-3.37	19.00	105.00	49.22	-0.23	-1.31	-1.30	-0.24	-0.10
		55	81.02	125.32	2.86	18.91	109.27	-41.32	1.17	0.14	1.10	0.22	0.27
55	36	56	16.70	-3.42	-20.40	-9.72	-14.10	-8.21	-1.99	-3.66	-2.32	-3.34	0.66
		64	21.15	11.56	-15.31	11.19	-14.93	-3.15	1.42	-1.42	1.42	-1.42	-0.12
		63	28.51	16.43	-26.65	-7.19	-3.04	-21.44	1.59	-1.57	-1.24	1.26	0.97
		55	16.87	10.47	-12.69	4.11	-6.33	-10.34	2.64	1.18	1.39	2.43	0.51
55	37	56	80.69	125.04	3.31	18.70	109.65	40.46	1.11	0.11	1.04	0.18	-0.26
		64	84.77	129.04	-4.34	19.34	105.35	-50.97	-0.27	-1.27	-1.26	-0.28	0.11
		63	84.06	128.28	-3.39	19.13	105.76	49.58	-0.23	-1.32	-1.31	-0.24	-0.10
		55	81.60	126.22	2.88	19.04	110.06	-41.62	1.18	0.14	1.10	0.22	0.27
55	38	56	16.21	-3.32	-19.58	-9.59	-13.31	-7.91	-1.99	-3.66	-2.31	-3.34	0.66
		64	20.86	11.80	-14.65	11.33	-14.18	-3.52	1.41	-1.42	1.41	-1.42	-0.12
		63	28.04	16.55	-25.88	-7.05	-2.28	-21.08	1.59	-1.58	-1.25	1.26	0.97
		55	16.88	11.06	-12.35	4.24	-5.54	-10.64	2.64	1.19	1.39	2.44	0.51
55	39	56	0.20	-0.09	-0.30	-0.11	-0.29	-0.06	5.40e-03	-0.02	-0.01	-6.47e-04	9.78e-03
		64	0.20	0.07	-0.24	0.07	-0.24	3.26e-03	0.01	-0.01	-8.46e-05	-1.72e-03	-0.01
		63	0.53	0.42	-0.44	0.09	-0.11	-0.42	0.02	-8.18e-03	4.84e-03	3.35e-03	0.01
		55	0.39	0.21	-0.39	-0.05	-0.13	-0.30	1.08e-03	-0.02	-0.01	-5.90e-03	-0.01
55	40	56	0.18	-0.11	-0.30	-0.11	-0.30	-0.02	5.15e-03	-0.02	-0.01	-8.74e-04	9.84e-03
		64	0.21	0.08	-0.25	0.07	-0.25	0.04	0.01	-0.01	-5.80e-04	-1.87e-03	-0.01
		63	0.49	0.38	-0.41	0.09	-0.11	-0.38	0.02	-8.64e-03	3.92e-03	3.12e-03	0.01
		55	0.35	0.18	-0.36	-0.05	-0.14	-0.26	5.60e-04	-0.02	-0.02	-6.20e-03	-0.01

55	41	56	0.20	-0.09	-0.30	-0.11	-0.29	-0.06	5.37e-03	-0.02	-0.01	-6.80e-04	9.78e-03
		64	0.20	0.07	-0.24	0.07	-0.24	3.31e-03	0.01	-0.01	-9.01e-05	-1.74e-03	-0.01
		63	0.53	0.42	-0.44	0.09	-0.11	-0.42	0.02	-8.21e-03	4.81e-03	3.33e-03	0.01
		55	0.39	0.21	-0.39	-0.05	-0.13	-0.30	1.05e-03	-0.02	-0.01	-5.94e-03	-0.01
55	42	56	0.18	-0.11	-0.30	-0.11	-0.30	-0.02	5.12e-03	-0.02	-0.01	-9.07e-04	9.83e-03
		64	0.21	0.08	-0.25	0.07	-0.25	0.04	0.01	-0.01	-5.85e-04	-1.89e-03	-0.01
		63	0.49	0.38	-0.41	0.09	-0.11	-0.38	0.02	-8.67e-03	3.89e-03	3.09e-03	0.01
		55	0.35	0.18	-0.36	-0.04	-0.14	-0.26	5.29e-04	-0.02	-0.02	-6.24e-03	-0.01
55	43	56	0.20	-0.09	-0.31	-0.11	-0.29	-0.06	5.38e-03	-0.02	-0.01	-6.54e-04	9.78e-03
		64	0.20	0.07	-0.24	0.07	-0.24	4.59e-03	0.01	-0.01	-1.50e-04	-1.73e-03	-0.01
		63	0.53	0.42	-0.44	0.09	-0.11	-0.42	0.02	-8.24e-03	4.71e-03	3.33e-03	0.01
		55	0.39	0.21	-0.39	-0.05	-0.13	-0.30	1.03e-03	-0.02	-0.01	-5.92e-03	-0.01
55	44	56	0.18	-0.11	-0.30	-0.11	-0.29	-0.03	5.17e-03	-0.02	-0.01	-8.66e-04	9.84e-03
		64	0.21	0.08	-0.25	0.07	-0.25	0.04	0.01	-0.01	-5.15e-04	-1.86e-03	-0.01
		63	0.50	0.39	-0.41	0.09	-0.11	-0.39	0.02	-8.58e-03	4.05e-03	3.14e-03	0.01
		55	0.35	0.18	-0.36	-0.04	-0.14	-0.27	6.12e-04	-0.02	-0.02	-6.18e-03	-0.01
55	45	56	0.20	-0.09	-0.31	-0.11	-0.29	-0.06	5.35e-03	-0.02	-0.01	-6.88e-04	9.78e-03
		64	0.20	0.07	-0.24	0.07	-0.24	4.65e-03	0.01	-0.01	-1.55e-04	-1.75e-03	-0.01
		63	0.53	0.42	-0.44	0.09	-0.11	-0.42	0.02	-8.27e-03	4.68e-03	3.30e-03	0.01
		55	0.39	0.21	-0.39	-0.05	-0.13	-0.30	9.95e-04	-0.02	-0.01	-5.96e-03	-0.01
55	46	56	0.18	-0.11	-0.30	-0.11	-0.29	-0.03	5.14e-03	-0.02	-0.01	-9.00e-04	9.83e-03
		64	0.21	0.08	-0.25	0.07	-0.25	0.04	0.01	-0.01	-5.20e-04	-1.88e-03	-0.01
		63	0.50	0.39	-0.41	0.09	-0.11	-0.39	0.02	-8.61e-03	4.02e-03	3.12e-03	0.01
		55	0.35	0.18	-0.36	-0.04	-0.14	-0.27	5.82e-04	-0.02	-0.02	-6.22e-03	-0.01
55	47	56	0.20	-0.09	-0.30	-0.11	-0.29	-0.06	5.40e-03	-0.02	-0.01	-6.47e-04	9.78e-03
		64	0.20	0.07	-0.24	0.07	-0.24	3.31e-03	0.01	-0.01	-8.38e-05	-1.72e-03	-0.01
		63	0.53	0.42	-0.44	0.09	-0.11	-0.42	0.02	-8.19e-03	4.83e-03	3.35e-03	0.01
		55	0.39	0.21	-0.39	-0.05	-0.13	-0.30	1.08e-03	-0.02	-0.01	-5.90e-03	-0.01
55	48	56	0.18	-0.11	-0.30	-0.11	-0.30	-0.02	5.14e-03	-0.02	-0.01	-8.74e-04	9.83e-03
		64	0.21	0.08	-0.25	0.07	-0.25	0.04	0.01	-0.01	-5.79e-04	-1.87e-03	-0.01
		63	0.49	0.38	-0.41	0.09	-0.11	-0.38	0.02	-8.65e-03	3.92e-03	3.12e-03	0.01
		55	0.35	0.18	-0.36	-0.05	-0.14	-0.26	5.64e-04	-0.02	-0.02	-6.20e-03	-0.01
55	49	56	0.20	-0.09	-0.30	-0.11	-0.29	-0.06	5.38e-03	-0.02	-0.01	-6.80e-04	9.78e-03
		64	0.20	0.07	-0.24	0.07	-0.24	3.26e-03	0.01	-0.01	-9.09e-05	-1.74e-03	-0.01
		63	0.53	0.42	-0.44	0.09	-0.11	-0.42	0.02	-8.21e-03	4.81e-03	3.33e-03	0.01
		55	0.39	0.21	-0.39	-0.05	-0.13	-0.30	1.05e-03	-0.02	-0.01	-5.94e-03	-0.01
55	50	56	0.18	-0.11	-0.30	-0.11	-0.30	-0.02	5.12e-03	-0.02	-0.01	-9.07e-04	9.84e-03
		64	0.21	0.08	-0.25	0.07	-0.25	0.04	0.01	-0.01	-5.86e-04	-1.89e-03	-0.01
		63	0.49	0.39	-0.41	0.09	-0.11	-0.38	0.02	-8.67e-03	3.90e-03	3.09e-03	0.01
		55	0.35	0.18	-0.36	-0.05	-0.14	-0.26	5.25e-04	-0.02	-0.02	-6.24e-03	-0.01
55	51	56	0.20	-0.09	-0.31	-0.11	-0.29	-0.06	5.37e-03	-0.02	-0.01	-6.54e-04	9.78e-03
		64	0.19	0.07	-0.24	0.07	-0.24	4.65e-03	0.01	-0.01	-1.49e-04	-1.73e-03	-0.01
		63	0.53	0.42	-0.44	0.09	-0.11	-0.42	0.02	-8.24e-03	4.71e-03	3.33e-03	0.01
		55	0.39	0.21	-0.39	-0.05	-0.13	-0.30	1.03e-03	-0.02	-0.01	-5.92e-03	-0.01
55	52	56	0.18	-0.11	-0.30	-0.11	-0.29	-0.03	5.17e-03	-0.02	-0.01	-8.67e-04	9.83e-03
		64	0.21	0.08	-0.25	0.07	-0.25	0.04	0.01	-0.01	-5.14e-04	-1.86e-03	-0.01
		63	0.50	0.39	-0.41	0.09	-0.11	-0.39	0.02	-8.59e-03	4.05e-03	3.14e-03	0.01
		55	0.35	0.18	-0.36	-0.04	-0.14	-0.27	6.16e-04	-0.02	-0.02	-6.18e-03	-0.01
55	53	56	0.20	-0.09	-0.31	-0.11	-0.29	-0.06	5.35e-03	-0.02	-0.01	-6.87e-04	9.78e-03
		64	0.20	0.07	-0.24	0.07	-0.24	4.60e-03	0.01	-0.01	-1.56e-04	-1.75e-03	-0.01
		63	0.53	0.42	-0.44	0.09	-0.11	-0.42	0.02	-8.27e-03	4.68e-03	3.30e-03	0.01
		55	0.39	0.21	-0.39	-0.05	-0.13	-0.30	9.91e-04	-0.02	-0.01	-5.96e-03	-0.01
55	54	56	0.18	-0.11	-0.30	-0.11	-0.29	-0.03	5.15e-03	-0.02	-0.01	-9.00e-04	9.84e-03
		64	0.21	0.08	-0.25	0.07	-0.25	0.04	0.01	-0.01	-5.21e-04	-1.88e-03	-0.01
		63	0.50	0.39	-0.41	0.09	-0.11	-0.39	0.02	-8.61e-03	4.02e-03	3.12e-03	0.01
		55	0.35	0.18	-0.36	-0.04	-0.14	-0.27	5.78e-04	-0.02	-0.02	-6.22e-03	-0.01
55	55	56	0.22	-0.06	-0.32	-0.11	-0.28	-0.10	5.69e-03	-0.02	-9.83e-03	-3.94e-04	9.71e-03
		64	0.21	0.08	-0.24	0.07	-0.24	-0.04	0.01	-0.01	4.91e-04	-1.54e-03	-0.01
		63	0.58	0.46	-0.48	0.08	-0.11	-0.46	0.02	-7.67e-03	5.89e-03	3.61e-03	0.01
		55	0.43	0.26	-0.42	-0.05	-0.12	-0.34	1.69e-03	-0.02	-0.01	-5.57e-03	-0.01
55	56	56	0.18	-0.11	-0.31	-0.11	-0.30	0.02	4.84e-03	-0.02	-0.01	-1.15e-03	9.90e-03
		64	0.23	0.09	-0.27	0.07	-0.25	0.08	0.01	-0.01	-1.16e-03	-2.06e-03	-0.01
		63	0.45	0.35	-0.37	0.09	-0.11	-0.34	0.01	-9.20e-03	2.85e-03	2.84e-03	0.01
		55	0.31	0.13	-0.32	-0.04	-0.15	-0.22	-4.77e-05	-0.02	-0.02	-6.56e-03	-0.01
55	57	56	0.22	-0.06	-0.32	-0.11	-0.28	-0.10	5.68e-03	-0.02	-9.83e-03	-4.04e-04	9.71e-03
		64	0.21	0.08	-0.24	0.07	-0.24	-0.04	0.01	-0.01	4.90e-04	-1.55e-03	-0.01
		63	0.58	0.46	-0.48	0.08	-0.11	-0.46	0.02	-7.67e-03	5.88e-03	3.61e-03	0.01
		55	0.43	0.26	-0.42	-0.05	-0.12	-0.34	1.68e-03	-0.02	-0.01	-5.58e-03	-0.01
55	58	56	0.18	-0.11	-0.31	-0.11	-0.30	0.02	4.83e-03	-0.02	-0.01	-1.16e-03	9.90e-03
		64	0.23	0.09	-0.27	0.07	-0.25	0.08	0.01	-0.01	-1.16e-03	-2.06e-03	-0.01
		63	0.45	0.35	-0.37	0.09	-0.11	-0.34	0.01	-9.21e-03	2.84e-03	2.83e-03	0.01
		55	0.31	0.13	-0.32	-0.04	-0.15	-0.22	-5.70e-05	-0.02	-0.02	-6.57e-03	-0.01
55	59	56	0.22	-0.06	-0.32	-0.11	-0.28	-0.10	5.69e-03	-0.02	-9.83e-03	-3.94e-04	9.71e-03
		64	0.21	0.08	-0.24	0.07	-0.24	-0.04	0.01	-0.01	4.92e-04	-1.54e-03	-0.01
		63	0.58	0.46	-0.48	0.08	-0.11	-0.46	0.02	-7.67e-03	5.89e-03	3.61e-03	0.01
		55	0.43	0.26	-0.42	-0.05	-0.12	-0.34	1.69e-03	-0.02	-0.01	-5.57e-03	-0.01
55	60	56	0.18	-0.11	-0.31	-0.11	-0.30	0.02	4.84e-03	-0.02	-0.01	-1.15e-03	9.90e-03

		64	0.23	0.09	-0.27	0.07	-0.25	0.08	0.01	-0.01	-1.16e-03	-2.06e-03	-0.01
		63	0.45	0.35	-0.37	0.09	-0.11	-0.34	0.01	-9.20e-03	2.85e-03	2.84e-03	0.01
		55	0.31	0.13	-0.32	-0.04	-0.15	-0.22	-4.65e-05	-0.02	-0.02	-6.56e-03	-0.01
55	61	56	0.22	-0.06	-0.32	-0.11	-0.28	-0.10	5.68e-03	-0.02	-9.83e-03	-4.04e-04	9.71e-03
		64	0.21	0.08	-0.24	0.07	-0.24	-0.04	0.01	-0.01	4.90e-04	-1.55e-03	-0.01
		63	0.58	0.46	-0.48	0.08	-0.11	-0.46	0.02	-7.67e-03	5.88e-03	3.61e-03	0.01
		55	0.43	0.26	-0.42	-0.05	-0.12	-0.34	1.68e-03	-0.02	-0.01	-5.58e-03	-0.01
55	62	56	0.18	-0.11	-0.31	-0.11	-0.30	0.02	4.84e-03	-0.02	-0.01	-1.16e-03	9.90e-03
		64	0.23	0.09	-0.27	0.07	-0.25	0.08	0.01	-0.01	-1.16e-03	-2.06e-03	-0.01
		63	0.45	0.35	-0.37	0.09	-0.11	-0.34	0.01	-9.21e-03	2.84e-03	2.83e-03	0.01
		55	0.31	0.13	-0.32	-0.04	-0.15	-0.22	-5.81e-05	-0.02	-0.02	-6.57e-03	-0.01
55	63	56	0.22	-0.07	-0.32	-0.11	-0.28	-0.09	5.61e-03	-0.02	-0.01	-4.17e-04	9.71e-03
		64	0.21	0.08	-0.25	0.07	-0.24	-0.03	0.01	-0.01	2.74e-04	-1.58e-03	-0.01
		63	0.57	0.45	-0.48	0.08	-0.11	-0.45	0.02	-7.86e-03	5.46e-03	3.54e-03	0.01
		55	0.43	0.25	-0.42	-0.05	-0.13	-0.33	1.50e-03	-0.02	-0.01	-5.63e-03	-0.01
55	64	56	0.18	-0.11	-0.30	-0.11	-0.30	0.01	4.92e-03	-0.02	-0.01	-1.13e-03	9.90e-03
		64	0.23	0.09	-0.26	0.07	-0.25	0.07	0.01	-0.01	-9.42e-04	-2.02e-03	-0.01
		63	0.46	0.35	-0.37	0.09	-0.11	-0.35	0.02	-9.00e-03	3.28e-03	2.92e-03	0.01
		55	0.31	0.14	-0.33	-0.04	-0.14	-0.23	1.23e-04	-0.02	-0.02	-6.50e-03	-0.01
55	65	56	0.22	-0.07	-0.32	-0.11	-0.28	-0.09	5.60e-03	-0.02	-0.01	-4.28e-04	9.71e-03
		64	0.21	0.08	-0.25	0.07	-0.24	-0.03	0.01	-0.01	2.72e-04	-1.59e-03	-0.01
		63	0.57	0.45	-0.48	0.08	-0.11	-0.45	0.02	-7.87e-03	5.45e-03	3.53e-03	0.01
		55	0.43	0.25	-0.42	-0.05	-0.13	-0.33	1.49e-03	-0.02	-0.01	-5.64e-03	-0.01
55	66	56	0.18	-0.11	-0.30	-0.11	-0.30	0.01	4.91e-03	-0.02	-0.01	-1.14e-03	9.90e-03
		64	0.23	0.09	-0.26	0.07	-0.25	0.07	0.01	-0.01	-9.44e-04	-2.03e-03	-0.01
		63	0.46	0.35	-0.37	0.09	-0.11	-0.35	0.02	-9.01e-03	3.27e-03	2.91e-03	0.01
		55	0.31	0.14	-0.33	-0.04	-0.14	-0.23	1.14e-04	-0.02	-0.02	-6.51e-03	-0.01
55	67	56	0.22	-0.07	-0.32	-0.11	-0.28	-0.09	5.61e-03	-0.02	-0.01	-4.18e-04	9.71e-03
		64	0.21	0.08	-0.25	0.07	-0.24	-0.03	0.01	-0.01	2.74e-04	-1.58e-03	-0.01
		63	0.57	0.45	-0.48	0.08	-0.11	-0.45	0.02	-7.86e-03	5.46e-03	3.53e-03	0.01
		55	0.43	0.25	-0.42	-0.05	-0.13	-0.33	1.50e-03	-0.02	-0.01	-5.63e-03	-0.01
55	68	56	0.18	-0.11	-0.30	-0.11	-0.30	0.01	4.92e-03	-0.02	-0.01	-1.13e-03	9.90e-03
		64	0.23	0.09	-0.26	0.07	-0.25	0.07	0.01	-0.01	-9.42e-04	-2.02e-03	-0.01
		63	0.46	0.35	-0.37	0.09	-0.11	-0.35	0.02	-9.00e-03	3.28e-03	2.92e-03	0.01
		55	0.31	0.14	-0.33	-0.04	-0.14	-0.23	1.24e-04	-0.02	-0.02	-6.50e-03	-0.01
55	69	56	0.22	-0.07	-0.32	-0.11	-0.28	-0.09	5.60e-03	-0.02	-0.01	-4.27e-04	9.71e-03
		64	0.21	0.08	-0.25	0.07	-0.24	-0.03	0.01	-0.01	2.72e-04	-1.59e-03	-0.01
		63	0.57	0.45	-0.48	0.08	-0.11	-0.45	0.02	-7.86e-03	5.45e-03	3.53e-03	0.01
		55	0.43	0.25	-0.42	-0.05	-0.13	-0.33	1.49e-03	-0.02	-0.01	-5.64e-03	-0.01
55	70	56	0.18	-0.11	-0.30	-0.11	-0.30	0.01	4.91e-03	-0.02	-0.01	-1.14e-03	9.90e-03
		64	0.23	0.09	-0.26	0.07	-0.25	0.07	0.01	-0.01	-9.44e-04	-2.03e-03	-0.01
		63	0.46	0.35	-0.37	0.09	-0.11	-0.35	0.02	-9.01e-03	3.27e-03	2.91e-03	0.01
		55	0.31	0.14	-0.33	-0.04	-0.14	-0.23	1.13e-04	-0.02	-0.02	-6.51e-03	-0.01
55	71	56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		64	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
		63	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		55	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
55	72	56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		64	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
		63	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		55	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
55	73	56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		64	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
		63	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		55	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
55	74	56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		64	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
		63	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		55	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
55	75	56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		64	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
		63	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		55	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
55	76	56	0.19	-0.10	-0.30	-0.11	-0.29	-0.04	5.26e-03	-0.02	-0.01	-7.77e-04	9.81e-03
		64	0.20	0.07	-0.25	0.07	-0.24	0.02	0.01	-0.01	-3.35e-04	-1.80e-03	-0.01
		63	0.51	0.40	-0.42	0.09	-0.11	-0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	0.01
		55	0.37	0.20	-0.37	-0.05	-0.13	-0.28	8.03e-04	-0.02	-0.01	-6.07e-03	-0.01
56	1	49	0.48	0.25	-0.49	-0.06	-0.17	0.37	1.04e-03	-0.03	-0.02	-7.89e-03	0.01
		57	0.67	0.52	-0.55	0.11	-0.14	0.52	0.02	-0.01	5.67e-03	4.19e-03	-0.02
		64	0.26	0.09	-0.32	0.09	-0.32	-0.03	0.01	-0.02	-4.36e-04	-2.34e-03	0.02
		56	0.25	-0.13	-0.39	-0.14	-0.38	0.05	6.84e-03	-0.02	-0.01	-1.01e-03	-0.01
56	2	49	0.48	0.25	-0.49	-0.06	-0.17	0.37	1.04e-03	-0.03	-0.02	-7.89e-03	0.01
		57	0.67	0.52	-0.55	0.11	-0.14	0.52	0.02	-0.01	5.67e-03	4.19e-03	-0.02
		64	0.26	0.09	-0.32	0.09	-0.32	-0.03	0.01	-0.02	-4.36e-04	-2.34e-03	0.02
		56	0.25	-0.13	-0.39	-0.14	-0.38	0.05	6.84e-03	-0.02	-0.01	-1.01e-03	-0.01
56	3	49	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		57	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01

		64	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
56	4	49	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		57	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
		64	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
56	5	49	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		57	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
		64	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
56	6	49	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		57	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
		64	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
56	7	49	21.20	32.76	0.62	4.92	28.47	10.93	0.29	0.03	0.27	0.05	-0.06
		57	21.65	33.10	-0.68	5.04	27.38	-12.67	-0.06	-0.34	-0.34	-0.06	0.02
		64	21.85	33.29	-1.04	5.08	27.18	13.14	-0.07	-0.33	-0.33	-0.07	-0.02
		56	20.86	32.30	0.72	4.77	28.25	-10.56	0.28	0.03	0.26	0.05	0.06
56	8	49	6.09	0.93	-6.64	0.47	-6.18	1.82	0.76	0.32	0.37	0.72	-0.13
		57	11.69	4.86	-12.71	-2.83	-5.02	8.71	0.50	-0.43	-0.32	0.39	-0.30
		64	8.51	2.75	-8.74	2.67	-8.67	-0.92	0.48	-0.42	0.47	-0.42	0.05
		56	7.90	-1.35	-10.96	-3.71	-8.61	4.13	-0.62	-1.13	-0.74	-1.01	-0.22
56	9	49	23.15	35.78	0.70	5.37	31.11	11.92	0.32	0.04	0.30	0.06	-0.07
		57	23.67	36.18	-0.77	5.50	29.92	-13.86	-0.07	-0.37	-0.37	-0.07	0.02
		64	23.88	36.39	-1.15	5.54	29.70	14.36	-0.08	-0.36	-0.36	-0.08	-0.02
		56	22.80	35.30	0.80	5.22	30.88	-11.53	0.30	0.03	0.29	0.05	0.07
56	10	49	5.41	2.28	-4.89	0.92	-3.54	2.80	0.78	0.34	0.39	0.72	-0.14
		57	9.97	5.09	-9.94	-2.37	-2.49	7.51	0.49	-0.46	-0.35	0.38	-0.30
		64	7.14	3.14	-6.15	3.13	-6.14	0.30	0.45	-0.42	0.44	-0.42	0.05
		56	6.14	-1.18	-8.05	-3.26	-5.97	3.16	-0.61	-1.11	-0.72	-1.00	-0.21
56	11	49	21.21	32.77	0.62	4.92	28.47	10.94	0.29	0.03	0.27	0.05	-0.06
		57	21.65	33.10	-0.67	5.04	27.38	-12.66	-0.06	-0.34	-0.34	-0.06	0.02
		64	21.86	33.30	-1.05	5.08	27.18	13.14	-0.07	-0.33	-0.33	-0.07	-0.02
		56	20.86	32.30	0.72	4.77	28.25	-10.56	0.28	0.03	0.26	0.05	0.06
56	12	49	6.09	0.93	-6.64	0.47	-6.18	1.81	0.76	0.32	0.36	0.72	-0.13
		57	11.68	4.85	-12.70	-2.83	-5.02	8.71	0.50	-0.43	-0.32	0.39	-0.30
		64	8.51	2.75	-8.75	2.67	-8.67	-0.92	0.48	-0.42	0.47	-0.42	0.05
		56	7.90	-1.36	-10.96	-3.71	-8.61	4.13	-0.62	-1.13	-0.74	-1.01	-0.22
56	13	49	23.16	35.79	0.70	5.38	31.11	11.92	0.32	0.04	0.30	0.06	-0.07
		57	23.67	36.18	-0.76	5.50	29.92	-13.86	-0.06	-0.37	-0.37	-0.07	0.02
		64	23.88	36.39	-1.15	5.54	29.70	14.36	-0.08	-0.36	-0.36	-0.08	-0.02
		56	22.80	35.30	0.80	5.22	30.88	-11.53	0.30	0.03	0.29	0.05	0.07
56	14	49	5.41	2.27	-4.89	0.92	-3.54	2.80	0.78	0.34	0.39	0.72	-0.14
		57	9.96	5.08	-9.94	-2.37	-2.49	7.51	0.49	-0.46	-0.35	0.38	-0.30
		64	7.14	3.14	-6.15	3.13	-6.15	0.30	0.45	-0.42	0.44	-0.42	0.05
		56	6.14	-1.18	-8.05	-3.26	-5.98	3.15	-0.61	-1.11	-0.72	-1.00	-0.21
56	15	49	21.20	32.76	0.62	4.92	28.47	10.93	0.29	0.03	0.27	0.05	-0.06
		57	21.65	33.10	-0.68	5.04	27.38	-12.66	-0.06	-0.34	-0.34	-0.06	0.02
		64	21.85	33.29	-1.04	5.08	27.18	13.14	-0.07	-0.33	-0.33	-0.07	-0.02
		56	20.86	32.30	0.72	4.77	28.25	-10.56	0.28	0.03	0.26	0.05	0.06
56	16	49	6.09	0.93	-6.64	0.47	-6.18	1.82	0.76	0.32	0.37	0.72	-0.13
		57	11.69	4.86	-12.71	-2.83	-5.02	8.71	0.50	-0.43	-0.32	0.39	-0.30
		64	8.51	2.75	-8.74	2.67	-8.67	-0.92	0.48	-0.42	0.47	-0.42	0.05
		56	7.90	-1.35	-10.96	-3.71	-8.61	4.13	-0.62	-1.13	-0.74	-1.01	-0.22
56	17	49	23.15	35.78	0.70	5.37	31.11	11.92	0.32	0.04	0.30	0.06	-0.07
		57	23.67	36.18	-0.77	5.50	29.92	-13.87	-0.07	-0.37	-0.37	-0.07	0.02
		64	23.88	36.39	-1.15	5.54	29.70	14.36	-0.08	-0.36	-0.36	-0.08	-0.02
		56	22.80	35.30	0.80	5.22	30.88	-11.53	0.30	0.03	0.29	0.05	0.07
56	18	49	5.41	2.28	-4.89	0.92	-3.54	2.80	0.78	0.34	0.39	0.72	-0.14
		57	9.97	5.08	-9.94	-2.37	-2.49	7.51	0.49	-0.46	-0.35	0.38	-0.30
		64	7.14	3.14	-6.15	3.13	-6.14	0.30	0.45	-0.42	0.44	-0.42	0.05
		56	6.14	-1.18	-8.05	-3.26	-5.97	3.16	-0.61	-1.11	-0.72	-1.00	-0.21
56	19	49	21.21	32.77	0.62	4.92	28.47	10.94	0.29	0.03	0.27	0.05	-0.06
		57	21.65	33.10	-0.67	5.04	27.38	-12.66	-0.06	-0.34	-0.34	-0.06	0.02
		64	21.86	33.30	-1.05	5.08	27.18	13.14	-0.07	-0.33	-0.33	-0.07	-0.02
		56	20.86	32.30	0.72	4.77	28.25	-10.56	0.28	0.03	0.26	0.05	0.06
56	20	49	6.09	0.93	-6.64	0.47	-6.18	1.81	0.76	0.32	0.36	0.72	-0.13
		57	11.68	4.85	-12.70	-2.83	-5.02	8.71	0.50	-0.43	-0.32	0.39	-0.30
		64	8.51	2.75	-8.75	2.67	-8.67	-0.92	0.48	-0.42	0.47	-0.42	0.05
		56	7.90	-1.36	-10.96	-3.71	-8.61	4.13	-0.62	-1.13	-0.74	-1.01	-0.22
56	21	49	23.16	35.79	0.70	5.38	31.11	11.92	0.32	0.04	0.30	0.06	-0.07
		57	23.67	36.18	-0.76	5.50	29.92	-13.86	-0.06	-0.37	-0.37	-0.07	0.02
		64	23.88	36.39	-1.15	5.54	29.70	14.36	-0.08	-0.36	-0.36	-0.08	-0.02
		56	22.80	35.30	0.80	5.22	30.88	-11.53	0.30	0.03	0.29	0.05	0.07
56	22	49	5.41	2.27	-4.89	0.92	-3.54	2.80	0.78	0.34	0.39	0.72	-0.14
		57	9.96	5.08	-9.94	-2.37	-2.49	7.51	0.49	-0.46	-0.35	0.38	-0.30
		64	7.14	3.14	-6.15	3.13	-6.15	0.30	0.45	-0.42	0.44	-0.42	0.05

		56	6.14	-1.18	-8.05	-3.26	-5.98	3.15	-0.61	-1.11	-0.72	-1.00	-0.21
56	23	49	80.79	125.07	3.07	18.92	109.21	41.02	1.17	0.14	1.09	0.21	-0.27
		57	83.66	127.58	-3.57	19.02	104.99	-49.52	-0.23	-1.32	-1.31	-0.24	0.10
		64	83.92	127.87	-4.09	19.20	104.57	50.31	-0.27	-1.27	-1.25	-0.28	-0.11
		56	80.27	124.28	3.07	18.55	108.80	-40.46	1.10	0.11	1.03	0.18	0.26
56	24	49	17.12	10.74	-12.93	4.09	-6.28	10.64	2.64	1.19	1.39	2.44	-0.51
		57	28.84	16.72	-26.96	-7.21	-3.02	21.74	1.60	-1.56	-1.23	1.26	-0.97
		64	21.21	11.64	-15.36	11.19	-14.91	3.45	1.43	-1.42	1.42	-1.41	0.12
		56	16.80	-3.10	-20.65	-9.71	-14.04	8.50	-1.99	-3.66	-2.31	-3.33	-0.66
56	25	49	81.38	125.97	3.09	19.06	110.00	41.32	1.18	0.14	1.10	0.21	-0.27
		57	84.26	128.50	-3.60	19.15	105.75	-49.88	-0.23	-1.32	-1.32	-0.24	0.10
		64	84.53	128.79	-4.12	19.34	105.33	50.68	-0.27	-1.27	-1.26	-0.28	-0.11
		56	80.85	125.18	3.09	18.69	109.59	-40.76	1.11	0.11	1.04	0.18	0.26
56	26	49	17.14	11.34	-12.59	4.23	-5.48	10.93	2.65	1.19	1.40	2.44	-0.51
		57	28.37	16.85	-26.18	-7.07	-2.26	21.38	1.59	-1.57	-1.24	1.26	-0.97
		64	20.93	11.89	-14.72	11.33	-14.16	3.82	1.42	-1.42	1.41	-1.42	0.12
		56	16.31	-3.00	-19.83	-9.58	-13.25	8.21	-1.99	-3.65	-2.31	-3.33	-0.66
56	27	49	80.79	125.07	3.07	18.92	109.21	41.02	1.17	0.14	1.09	0.21	-0.27
		57	83.66	127.58	-3.57	19.02	104.99	-49.52	-0.23	-1.32	-1.31	-0.24	0.10
		64	83.92	127.87	-4.09	19.20	104.57	50.31	-0.27	-1.27	-1.25	-0.28	-0.11
		56	80.27	124.28	3.07	18.55	108.80	-40.46	1.10	0.11	1.03	0.18	0.26
56	28	49	17.12	10.74	-12.93	4.09	-6.28	10.64	2.64	1.19	1.39	2.44	-0.51
		57	28.84	16.72	-26.96	-7.21	-3.02	21.74	1.60	-1.56	-1.23	1.26	-0.97
		64	21.21	11.64	-15.36	11.19	-14.91	3.45	1.43	-1.42	1.42	-1.41	0.12
		56	16.80	-3.10	-20.65	-9.71	-14.04	8.50	-1.99	-3.66	-2.31	-3.33	-0.66
56	29	49	81.38	125.97	3.09	19.06	110.00	41.32	1.18	0.14	1.10	0.21	-0.27
		57	84.26	128.50	-3.60	19.15	105.75	-49.88	-0.23	-1.32	-1.32	-0.24	0.10
		64	84.53	128.79	-4.12	19.34	105.33	50.68	-0.27	-1.27	-1.26	-0.28	-0.11
		56	80.85	125.18	3.09	18.69	109.59	-40.76	1.11	0.11	1.04	0.18	0.26
56	30	49	17.14	11.34	-12.59	4.23	-5.48	10.93	2.65	1.19	1.40	2.44	-0.51
		57	28.37	16.85	-26.18	-7.07	-2.26	21.38	1.59	-1.57	-1.24	1.26	-0.97
		64	20.93	11.89	-14.72	11.33	-14.16	3.82	1.42	-1.42	1.41	-1.42	0.12
		56	16.31	-3.00	-19.83	-9.58	-13.25	8.21	-1.99	-3.65	-2.31	-3.33	-0.66
56	31	49	80.81	125.09	3.06	18.93	109.23	41.04	1.17	0.14	1.09	0.21	-0.27
		57	83.65	127.57	-3.56	19.02	104.99	-49.51	-0.23	-1.31	-1.31	-0.24	0.10
		64	83.94	127.88	-4.10	19.20	104.58	50.32	-0.27	-1.27	-1.25	-0.28	-0.11
		56	80.27	124.29	3.08	18.56	108.81	-40.45	1.10	0.11	1.03	0.18	0.26
56	32	49	17.11	10.72	-12.93	4.09	-6.29	10.63	2.64	1.19	1.39	2.44	-0.51
		57	28.83	16.70	-26.95	-7.21	-3.03	21.73	1.60	-1.56	-1.23	1.26	-0.97
		64	21.21	11.64	-15.37	11.19	-14.92	3.44	1.42	-1.42	1.42	-1.41	0.12
		56	16.80	-3.12	-20.65	-9.71	-14.05	8.49	-1.99	-3.66	-2.31	-3.33	-0.66
56	33	49	81.39	125.99	3.09	19.06	110.02	41.33	1.18	0.14	1.10	0.21	-0.27
		57	84.26	128.50	-3.59	19.16	105.75	-49.87	-0.23	-1.32	-1.31	-0.24	0.10
		64	84.55	128.81	-4.13	19.34	105.34	50.69	-0.27	-1.27	-1.26	-0.28	-0.11
		56	80.85	125.19	3.10	18.69	109.60	-40.74	1.11	0.11	1.04	0.18	0.26
56	34	49	17.13	11.32	-12.59	4.22	-5.50	10.92	2.65	1.19	1.40	2.44	-0.51
		57	28.36	16.83	-26.18	-7.08	-2.27	21.37	1.59	-1.57	-1.24	1.26	-0.97
		64	20.93	11.89	-14.72	11.33	-14.16	3.81	1.42	-1.42	1.41	-1.42	0.12
		56	16.31	-3.02	-19.82	-9.58	-13.26	8.20	-1.99	-3.65	-2.31	-3.33	-0.66
56	35	49	80.81	125.09	3.06	18.93	109.23	41.04	1.17	0.14	1.09	0.21	-0.27
		57	83.65	127.57	-3.56	19.02	104.99	-49.51	-0.23	-1.31	-1.31	-0.24	0.10
		64	83.94	127.88	-4.10	19.20	104.58	50.32	-0.27	-1.27	-1.25	-0.28	-0.11
		56	80.27	124.29	3.08	18.56	108.81	-40.45	1.10	0.11	1.03	0.18	0.26
56	36	49	17.11	10.72	-12.93	4.09	-6.29	10.63	2.64	1.19	1.39	2.44	-0.51
		57	28.83	16.70	-26.95	-7.21	-3.03	21.73	1.60	-1.56	-1.23	1.26	-0.97
		64	21.21	11.64	-15.37	11.19	-14.92	3.44	1.42	-1.42	1.42	-1.41	0.12
		56	16.80	-3.12	-20.65	-9.71	-14.05	8.49	-1.99	-3.66	-2.31	-3.33	-0.66
56	37	49	81.39	125.99	3.09	19.06	110.02	41.33	1.18	0.14	1.10	0.21	-0.27
		57	84.26	128.50	-3.59	19.16	105.75	-49.87	-0.23	-1.32	-1.31	-0.24	0.10
		64	84.55	128.81	-4.13	19.34	105.34	50.69	-0.27	-1.27	-1.26	-0.28	-0.11
		56	80.85	125.19	3.10	18.69	109.60	-40.74	1.11	0.11	1.04	0.18	0.26
56	38	49	17.13	11.32	-12.59	4.22	-5.50	10.92	2.65	1.19	1.40	2.44	-0.51
		57	28.36	16.83	-26.18	-7.08	-2.27	21.37	1.59	-1.57	-1.24	1.26	-0.97
		64	20.93	11.89	-14.72	11.33	-14.16	3.81	1.42	-1.42	1.41	-1.42	0.12
		56	16.31	-3.02	-19.82	-9.58	-13.26	8.20	-1.99	-3.65	-2.31	-3.33	-0.66
56	39	49	0.35	0.18	-0.36	-0.05	-0.14	0.26	5.64e-04	-0.02	-0.02	-6.20e-03	0.01
		57	0.49	0.38	-0.41	0.09	-0.11	0.38	0.02	-8.65e-03	3.92e-03	3.12e-03	-0.01
		64	0.21	0.08	-0.25	0.07	-0.25	-0.04	0.01	-0.01	-5.77e-04	-1.87e-03	0.01
		56	0.18	-0.11	-0.30	-0.11	-0.30	0.02	5.14e-03	-0.02	-0.01	-8.73e-04	-9.83e-03
56	40	49	0.39	0.21	-0.39	-0.05	-0.13	0.30	1.09e-03	-0.02	-0.01	-5.90e-03	0.01
		57	0.53	0.42	-0.44	0.09	-0.11	0.42	0.02	-8.18e-03	4.84e-03	3.35e-03	-0.01
		64	0.20	0.07	-0.24	0.07	-0.24	-3.32e-03	0.01	-0.01	-8.63e-05	-1.72e-03	0.01
		56	0.20	-0.09	-0.30	-0.11	-0.29	0.06	5.40e-03	-0.02	-0.01	-6.46e-04	-9.78e-03
56	41	49	0.35	0.18	-0.36	-0.04	-0.14	0.26	5.23e-04	-0.02	-0.02	-6.24e-03	0.01
		57	0.49	0.39	-0.41	0.09	-0.11	0.38	0.02	-8.67e-03	3.89e-03	3.09e-03	-0.01
		64	0.21	0.08	-0.25	0.07	-0.25	-0.04	0.01	-0.01	-5.84e-04	-1.89e-03	0.01
		56	0.18	-0.11	-0.30	-0.11	-0.30	0.02	5.12e-03	-0.02	-0.01	-9.08e-04	-9.84e-03

56	42	49	0.39	0.21	-0.39	-0.05	-0.13	0.30	1.04e-03	-0.02	-0.01	-5.94e-03	0.01
		57	0.53	0.42	-0.44	0.09	-0.11	0.42	0.02	-8.21e-03	4.81e-03	3.33e-03	-0.01
		64	0.20	0.07	-0.24	0.07	-0.24	-3.27e-03	0.01	-0.01	-9.33e-05	-1.74e-03	0.01
		56	0.20	-0.09	-0.30	-0.11	-0.29	0.06	5.37e-03	-0.02	-0.01	-6.81e-04	-9.78e-03
56	43	49	0.35	0.18	-0.36	-0.04	-0.14	0.27	6.18e-04	-0.02	-0.02	-6.18e-03	0.01
		57	0.50	0.39	-0.41	0.09	-0.11	0.39	0.02	-8.59e-03	4.05e-03	3.14e-03	-0.01
		64	0.21	0.08	-0.25	0.07	-0.25	-0.04	0.01	-0.01	-5.14e-04	-1.86e-03	0.01
		56	0.18	-0.11	-0.30	-0.11	-0.29	0.03	5.17e-03	-0.02	-0.01	-8.66e-04	-9.83e-03
56	44	49	0.39	0.21	-0.39	-0.05	-0.13	0.30	1.03e-03	-0.02	-0.01	-5.92e-03	0.01
		57	0.53	0.42	-0.44	0.09	-0.11	0.42	0.02	-8.24e-03	4.71e-03	3.33e-03	-0.01
		64	0.19	0.07	-0.24	0.07	-0.24	-4.64e-03	0.01	-0.01	-1.49e-04	-1.73e-03	0.01
		56	0.20	-0.09	-0.31	-0.11	-0.29	0.06	5.37e-03	-0.02	-0.01	-6.53e-04	-9.78e-03
56	45	49	0.35	0.18	-0.36	-0.04	-0.14	0.27	5.76e-04	-0.02	-0.02	-6.22e-03	0.01
		57	0.50	0.39	-0.41	0.09	-0.11	0.39	0.02	-8.61e-03	4.02e-03	3.12e-03	-0.01
		64	0.21	0.08	-0.25	0.07	-0.25	-0.04	0.01	-0.01	-5.21e-04	-1.88e-03	0.01
		56	0.18	-0.11	-0.30	-0.11	-0.29	0.03	5.14e-03	-0.02	-0.01	-9.01e-04	-9.84e-03
56	46	49	0.39	0.21	-0.39	-0.05	-0.13	0.30	9.90e-04	-0.02	-0.01	-5.96e-03	0.01
		57	0.53	0.42	-0.44	0.09	-0.11	0.42	0.02	-8.27e-03	4.68e-03	3.30e-03	-0.01
		64	0.20	0.07	-0.24	0.07	-0.24	-4.59e-03	0.01	-0.01	-1.56e-04	-1.75e-03	0.01
		56	0.20	-0.09	-0.31	-0.11	-0.29	0.06	5.35e-03	-0.02	-0.01	-6.88e-04	-9.78e-03
56	47	49	0.35	0.18	-0.36	-0.05	-0.14	0.26	5.58e-04	-0.02	-0.02	-6.20e-03	0.01
		57	0.49	0.38	-0.41	0.09	-0.11	0.38	0.02	-8.65e-03	3.92e-03	3.12e-03	-0.01
		64	0.21	0.08	-0.25	0.07	-0.25	-0.04	0.01	-0.01	-5.78e-04	-1.87e-03	0.01
		56	0.18	-0.11	-0.30	-0.11	-0.30	0.02	5.15e-03	-0.02	-0.01	-6.87e-04	-9.84e-03
56	48	49	0.39	0.21	-0.39	-0.05	-0.13	0.30	1.08e-03	-0.02	-0.01	-5.90e-03	0.01
		57	0.53	0.42	-0.44	0.09	-0.11	0.42	0.02	-8.18e-03	4.84e-03	3.35e-03	-0.01
		64	0.20	0.07	-0.24	0.07	-0.24	-3.26e-03	0.01	-0.01	-8.74e-05	-1.72e-03	0.01
		56	0.20	-0.09	-0.30	-0.11	-0.29	0.06	5.40e-03	-0.02	-0.01	-6.48e-04	-9.78e-03
56	49	49	0.35	0.18	-0.36	-0.04	-0.14	0.26	5.29e-04	-0.02	-0.02	-6.24e-03	0.01
		57	0.49	0.39	-0.41	0.09	-0.11	0.38	0.02	-8.67e-03	3.89e-03	3.09e-03	-0.01
		64	0.21	0.08	-0.25	0.07	-0.25	-0.04	0.01	-0.01	-5.83e-04	-1.89e-03	0.01
		56	0.18	-0.11	-0.30	-0.11	-0.30	0.02	5.12e-03	-0.02	-0.01	-9.06e-04	-9.83e-03
56	50	49	0.39	0.21	-0.39	-0.05	-0.13	0.30	1.05e-03	-0.02	-0.01	-5.94e-03	0.01
		57	0.53	0.42	-0.44	0.09	-0.11	0.42	0.02	-8.21e-03	4.81e-03	3.33e-03	-0.01
		64	0.20	0.07	-0.24	0.07	-0.24	-3.32e-03	0.01	-0.01	-9.22e-05	-1.74e-03	0.01
		56	0.20	-0.09	-0.30	-0.11	-0.29	0.06	5.37e-03	-0.02	-0.01	-6.79e-04	-9.78e-03
56	51	49	0.35	0.18	-0.36	-0.04	-0.14	0.27	6.11e-04	-0.02	-0.02	-6.18e-03	0.01
		57	0.50	0.39	-0.41	0.09	-0.11	0.39	0.02	-8.58e-03	4.05e-03	3.14e-03	-0.01
		64	0.21	0.08	-0.25	0.07	-0.25	-0.04	0.01	-0.01	-5.15e-04	-1.86e-03	0.01
		56	0.18	-0.11	-0.30	-0.11	-0.29	0.03	5.17e-03	-0.02	-0.01	-8.68e-04	-9.84e-03
56	52	49	0.39	0.21	-0.39	-0.05	-0.13	0.30	1.03e-03	-0.02	-0.01	-5.92e-03	0.01
		57	0.53	0.42	-0.44	0.09	-0.11	0.42	0.02	-8.24e-03	4.71e-03	3.33e-03	-0.01
		64	0.20	0.07	-0.24	0.07	-0.24	-4.59e-03	0.01	-0.01	-1.50e-04	-1.73e-03	0.01
		56	0.20	-0.09	-0.31	-0.11	-0.29	0.06	5.38e-03	-0.02	-0.01	-6.55e-04	-9.78e-03
56	53	49	0.35	0.18	-0.36	-0.04	-0.14	0.27	5.83e-04	-0.02	-0.02	-6.22e-03	0.01
		57	0.50	0.39	-0.41	0.09	-0.11	0.39	0.02	-8.61e-03	4.02e-03	3.12e-03	-0.01
		64	0.21	0.08	-0.25	0.07	-0.25	-0.04	0.01	-0.01	-5.20e-04	-1.88e-03	0.01
		56	0.18	-0.11	-0.30	-0.11	-0.29	0.03	5.14e-03	-0.02	-0.01	-8.99e-04	-9.83e-03
56	54	49	0.39	0.21	-0.39	-0.05	-0.13	0.30	9.96e-04	-0.02	-0.01	-5.96e-03	0.01
		57	0.53	0.42	-0.44	0.09	-0.11	0.42	0.02	-8.27e-03	4.68e-03	3.30e-03	-0.01
		64	0.20	0.07	-0.24	0.07	-0.24	-4.65e-03	0.01	-0.01	-1.55e-04	-1.75e-03	0.01
		56	0.20	-0.09	-0.31	-0.11	-0.29	0.06	5.35e-03	-0.02	-0.01	-6.86e-04	-9.78e-03
56	55	49	0.31	0.13	-0.32	-0.04	-0.15	0.22	-4.78e-05	-0.02	-0.02	-6.56e-03	0.01
		57	0.45	0.35	-0.37	0.09	-0.11	0.34	0.01	-9.21e-03	2.84e-03	2.84e-03	-0.01
		64	0.23	0.09	-0.27	0.07	-0.25	-0.08	0.01	-0.01	-1.15e-03	-2.06e-03	0.01
		56	0.18	-0.11	-0.31	-0.11	-0.30	-0.02	4.84e-03	-0.02	-0.01	-1.15e-03	-9.90e-03
56	56	49	0.43	0.26	-0.42	-0.05	-0.12	0.34	1.69e-03	-0.02	-0.01	-5.57e-03	0.01
		57	0.58	0.46	-0.48	0.08	-0.11	0.46	0.02	-7.66e-03	5.90e-03	3.61e-03	-0.01
		64	0.21	0.08	-0.24	0.07	-0.24	0.04	0.01	-0.01	4.84e-04	-1.54e-03	0.01
		56	0.22	-0.06	-0.32	-0.11	-0.28	0.10	5.69e-03	-0.02	-9.84e-03	-3.94e-04	-9.71e-03
56	57	49	0.31	0.13	-0.32	-0.04	-0.15	0.22	-6.02e-05	-0.02	-0.02	-6.57e-03	0.01
		57	0.45	0.35	-0.37	0.09	-0.11	0.34	0.01	-9.22e-03	2.83e-03	2.83e-03	-0.01
		64	0.23	0.09	-0.27	0.07	-0.25	-0.08	0.01	-0.01	-1.15e-03	-2.06e-03	0.01
		56	0.18	-0.11	-0.31	-0.11	-0.30	-0.02	4.84e-03	-0.02	-0.01	-1.16e-03	-9.90e-03
56	58	49	0.43	0.26	-0.42	-0.05	-0.12	0.34	1.68e-03	-0.02	-0.01	-5.58e-03	0.01
		57	0.58	0.46	-0.48	0.08	-0.11	0.46	0.02	-7.67e-03	5.89e-03	3.61e-03	-0.01
		64	0.21	0.08	-0.24	0.07	-0.24	0.04	0.01	-0.01	4.81e-04	-1.55e-03	0.01
		56	0.22	-0.06	-0.32	-0.11	-0.28	0.10	5.68e-03	-0.02	-9.84e-03	-4.05e-04	-9.72e-03
56	59	49	0.31	0.13	-0.32	-0.04	-0.15	0.22	-4.97e-05	-0.02	-0.02	-6.56e-03	0.01
		57	0.45	0.35	-0.37	0.09	-0.11	0.34	0.01	-9.21e-03	2.84e-03	2.84e-03	-0.01
		64	0.23	0.09	-0.27	0.07	-0.25	-0.08	0.01	-0.01	-1.15e-03	-2.06e-03	0.01
		56	0.18	-0.11	-0.31	-0.11	-0.30	-0.02	4.84e-03	-0.02	-0.01	-1.15e-03	-9.90e-03
56	60	49	0.43	0.26	-0.42	-0.05	-0.12	0.34	1.69e-03	-0.02	-0.01	-5.57e-03	0.01
		57	0.58	0.46	-0.48	0.08	-0.11	0.46	0.02	-7.66e-03	5.90e-03	3.61e-03	-0.01
		64	0.21	0.08	-0.24	0.07	-0.24	0.04	0.01	-0.01	4.83e-04	-1.54e-03	0.01
		56	0.22	-0.06	-0.32	-0.11	-0.28	0.10	5.69e-03	-0.02	-9.84e-03	-3.95e-04	-9.72e-03
56	61	49	0.31	0.13	-0.32	-0.04	-0.15	0.22	-5.84e-05	-0.02	-0.02	-6.57e-03	0.01

		57	0.45	0.35	-0.37	0.09	-0.11	0.34	0.01	-9.22e-03	2.83e-03	2.83e-03	-0.01
		64	0.23	0.09	-0.27	0.07	-0.25	-0.08	0.01	-0.01	-1.15e-03	-2.06e-03	0.01
		56	0.18	-0.11	-0.31	-0.11	-0.30	-0.02	4.84e-03	-0.02	-0.01	-1.16e-03	-9.90e-03
56	62	49	0.43	0.26	-0.42	-0.05	-0.12	0.34	1.68e-03	-0.02	-0.01	-5.58e-03	0.01
		57	0.58	0.46	-0.48	0.08	-0.11	0.46	0.02	-7.67e-03	5.89e-03	3.61e-03	-0.01
		64	0.21	0.08	-0.24	0.07	-0.24	0.04	0.01	-0.01	4.82e-04	-1.55e-03	0.01
		56	0.22	-0.06	-0.32	-0.11	-0.28	0.10	5.68e-03	-0.02	-9.84e-03	-4.04e-04	-9.71e-03
56	63	49	0.31	0.14	-0.33	-0.04	-0.14	0.23	1.25e-04	-0.02	-0.02	-6.50e-03	0.01
		57	0.46	0.35	-0.37	0.09	-0.11	0.35	0.02	-9.00e-03	3.28e-03	2.92e-03	-0.01
		64	0.23	0.09	-0.26	0.07	-0.25	-0.07	0.01	-0.01	-9.42e-04	-2.02e-03	0.01
		56	0.18	-0.11	-0.30	-0.11	-0.30	-0.01	4.92e-03	-0.02	-0.01	-1.13e-03	-9.90e-03
56	64	49	0.43	0.25	-0.42	-0.05	-0.13	0.33	1.50e-03	-0.02	-0.01	-5.63e-03	0.01
		57	0.57	0.45	-0.48	0.08	-0.11	0.45	0.02	-7.86e-03	5.46e-03	3.54e-03	-0.01
		64	0.21	0.08	-0.25	0.07	-0.24	0.03	0.01	-0.01	2.74e-04	-1.58e-03	0.01
		56	0.22	-0.07	-0.32	-0.11	-0.28	0.09	5.61e-03	-0.02	-0.01	-4.18e-04	-9.71e-03
56	65	49	0.31	0.14	-0.33	-0.04	-0.14	0.23	1.13e-04	-0.02	-0.02	-6.51e-03	0.01
		57	0.46	0.35	-0.37	0.09	-0.11	0.35	0.02	-9.01e-03	3.27e-03	2.91e-03	-0.01
		64	0.23	0.09	-0.26	0.07	-0.25	-0.07	0.01	-0.01	-9.44e-04	-2.03e-03	0.01
		56	0.18	-0.11	-0.30	-0.11	-0.30	-0.01	4.91e-03	-0.02	-0.01	-1.14e-03	-9.90e-03
56	66	49	0.43	0.25	-0.42	-0.05	-0.13	0.33	1.49e-03	-0.02	-0.01	-5.64e-03	0.01
		57	0.57	0.45	-0.48	0.08	-0.11	0.45	0.02	-7.87e-03	5.45e-03	3.53e-03	-0.01
		64	0.21	0.08	-0.25	0.07	-0.24	0.03	0.01	-0.01	2.72e-04	-1.59e-03	0.01
		56	0.22	-0.07	-0.32	-0.11	-0.28	0.09	5.60e-03	-0.02	-0.01	-4.28e-04	-9.71e-03
56	67	49	0.31	0.14	-0.33	-0.04	-0.14	0.23	1.23e-04	-0.02	-0.02	-6.50e-03	0.01
		57	0.46	0.35	-0.37	0.09	-0.11	0.35	0.02	-9.00e-03	3.28e-03	2.92e-03	-0.01
		64	0.23	0.09	-0.26	0.07	-0.25	-0.07	0.01	-0.01	-9.42e-04	-2.02e-03	0.01
		56	0.18	-0.11	-0.30	-0.11	-0.30	-0.01	4.92e-03	-0.02	-0.01	-1.13e-03	-9.90e-03
56	68	49	0.43	0.25	-0.42	-0.05	-0.13	0.33	1.50e-03	-0.02	-0.01	-5.63e-03	0.01
		57	0.57	0.45	-0.48	0.08	-0.11	0.45	0.02	-7.86e-03	5.46e-03	3.53e-03	-0.01
		64	0.21	0.08	-0.25	0.07	-0.24	0.03	0.01	-0.01	2.74e-04	-1.58e-03	0.01
		56	0.22	-0.07	-0.32	-0.11	-0.28	0.09	5.61e-03	-0.02	-0.01	-4.18e-04	-9.71e-03
56	69	49	0.31	0.14	-0.33	-0.04	-0.14	0.23	1.14e-04	-0.02	-0.02	-6.51e-03	0.01
		57	0.46	0.35	-0.37	0.09	-0.11	0.35	0.02	-9.01e-03	3.27e-03	2.91e-03	-0.01
		64	0.23	0.09	-0.26	0.07	-0.25	-0.07	0.01	-0.01	-9.44e-04	-2.03e-03	0.01
		56	0.18	-0.11	-0.30	-0.11	-0.30	-0.01	4.91e-03	-0.02	-0.01	-1.14e-03	-9.90e-03
56	70	49	0.43	0.25	-0.42	-0.05	-0.13	0.33	1.49e-03	-0.02	-0.01	-5.64e-03	0.01
		57	0.57	0.45	-0.48	0.08	-0.11	0.45	0.02	-7.87e-03	5.45e-03	3.53e-03	-0.01
		64	0.21	0.08	-0.25	0.07	-0.24	0.03	0.01	-0.01	2.72e-04	-1.59e-03	0.01
		56	0.22	-0.07	-0.32	-0.11	-0.28	0.09	5.60e-03	-0.02	-0.01	-4.27e-04	-9.71e-03
56	71	49	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		57	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
		64	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
56	72	49	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		57	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
		64	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
56	73	49	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		57	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
		64	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
56	74	49	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		57	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
		64	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
56	75	49	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		57	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
		64	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
56	76	49	0.37	0.20	-0.37	-0.05	-0.13	0.28	8.03e-04	-0.02	-0.01	-6.07e-03	0.01
		57	0.51	0.40	-0.42	0.09	-0.11	0.40	0.02	-8.43e-03	4.36e-03	3.22e-03	-0.01
		64	0.20	0.07	-0.25	0.07	-0.24	-0.02	0.01	-0.01	-3.35e-04	-1.80e-03	0.01
		56	0.19	-0.10	-0.30	-0.11	-0.29	0.04	5.26e-03	-0.02	-0.01	-7.77e-04	-9.81e-03
57	1	58	0.97	1.12	-0.58	0.13	0.40	0.84	0.05	-7.42e-03	-6.63e-03	0.05	-6.53e-03
		66	0.94	0.56	-1.07	-0.29	-0.23	0.81	0.03	0.02	0.03	0.02	5.65e-03
		65	0.99	1.28	-0.39	0.59	0.30	0.82	0.05	-1.16e-03	0.05	1.71e-04	-8.38e-03
		57	0.89	0.42	-1.04	-0.03	-0.58	0.68	-0.05	-0.05	-0.05	-0.05	2.13e-03
57	2	58	0.97	1.12	-0.58	0.13	0.40	0.84	0.05	-7.42e-03	-6.63e-03	0.05	-6.53e-03
		66	0.94	0.56	-1.07	-0.29	-0.23	0.81	0.03	0.02	0.03	0.02	5.65e-03
		65	0.99	1.28	-0.39	0.59	0.30	0.82	0.05	-1.16e-03	0.05	1.71e-04	-8.38e-03
		57	0.89	0.42	-1.04	-0.03	-0.58	0.68	-0.05	-0.05	-0.05	-0.05	2.13e-03
57	3	58	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
		65	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		57	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
57	4	58	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03

		65	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		57	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
57	5	58	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
		65	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		57	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
57	6	58	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
		65	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		57	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
57	7	58	23.86	33.77	1.58	5.00	30.34	9.92	3.84	0.81	3.84	0.81	0.14
		66	14.79	9.77	-5.85	4.44	-0.53	7.41	-0.71	-3.72	-3.70	-0.73	-0.25
		65	14.15	9.32	-3.81	5.54	-0.03	-5.94	-0.72	-3.67	-3.64	-0.74	0.25
		57	22.85	32.14	2.22	4.92	29.43	-8.58	3.77	0.70	3.76	0.71	-0.15
57	8	58	4.16	-0.20	-4.80	-0.33	-4.66	-0.78	-0.05	-0.77	-0.73	-0.10	0.17
		66	2.06	-0.06	-1.64	-1.24	-0.47	0.69	0.55	0.15	0.55	0.15	9.63e-03
		65	5.03	1.81	-6.70	-4.50	-0.39	3.72	0.10	-0.07	0.09	-0.06	0.04
		57	6.43	-0.23	-9.84	-3.58	-6.49	4.58	-0.09	-0.51	-0.50	-0.10	-0.06
57	9	58	26.03	36.82	1.74	5.45	33.11	10.78	4.20	0.88	4.19	0.89	0.15
		66	16.12	10.63	-6.32	4.87	-0.56	8.03	-0.78	-4.07	-4.04	-0.80	-0.28
		65	15.48	10.19	-4.24	6.01	-0.06	-6.55	-0.78	-4.01	-3.98	-0.81	0.27
		57	25.00	35.16	2.40	5.37	32.19	-9.41	4.12	0.77	4.11	0.78	-0.17
57	10	58	2.01	0.12	-1.90	0.11	-1.89	0.07	0.05	-0.45	-0.38	-0.02	0.18
		66	1.78	0.67	-1.98	-0.81	-0.50	1.32	0.21	0.08	0.21	0.08	-0.01
		65	4.80	1.38	-5.83	-4.03	-0.42	3.12	-0.10	-0.28	-0.25	-0.13	0.06
		57	4.96	0.33	-7.19	-3.12	-3.74	3.74	3.89e-03	-0.18	-0.15	-0.03	-0.07
57	11	58	23.86	33.77	1.58	5.00	30.35	9.93	3.84	0.81	3.84	0.81	0.14
		66	14.79	9.77	-5.86	4.44	-0.52	7.41	-0.71	-3.72	-3.70	-0.73	-0.25
		65	14.15	9.31	-3.81	5.54	-0.03	-5.94	-0.72	-3.67	-3.65	-0.74	0.25
		57	22.85	32.14	2.22	4.92	29.44	-8.57	3.77	0.70	3.76	0.71	-0.15
57	12	58	4.16	-0.20	-4.81	-0.34	-4.67	-0.79	-0.05	-0.77	-0.73	-0.10	0.17
		66	2.06	-0.06	-1.64	-1.24	-0.47	0.69	0.55	0.15	0.55	0.15	9.63e-03
		65	5.03	1.80	-6.69	-4.50	-0.39	3.72	0.10	-0.07	0.09	-0.06	0.04
		57	6.43	-0.23	-9.84	-3.58	-6.50	4.58	-0.09	-0.51	-0.50	-0.10	-0.06
57	13	58	26.03	36.82	1.74	5.45	33.11	10.78	4.20	0.88	4.19	0.89	0.15
		66	16.13	10.64	-6.33	4.87	-0.56	8.04	-0.78	-4.07	-4.05	-0.80	-0.28
		65	15.48	10.19	-4.24	6.01	-0.06	-6.54	-0.78	-4.01	-3.98	-0.81	0.27
		57	25.00	35.17	2.40	5.38	32.19	-9.41	4.12	0.77	4.11	0.78	-0.17
57	14	58	2.02	0.12	-1.90	0.11	-1.90	0.07	0.05	-0.45	-0.37	-0.02	0.18
		66	1.78	0.67	-1.98	-0.81	-0.50	1.31	0.21	0.08	0.21	0.08	-0.01
		65	4.79	1.38	-5.83	-4.03	-0.42	3.11	-0.10	-0.28	-0.25	-0.13	0.06
		57	4.96	0.32	-7.19	-3.12	-3.74	3.74	4.01e-03	-0.18	-0.15	-0.03	-0.07
57	15	58	23.86	33.77	1.58	5.00	30.34	9.92	3.84	0.81	3.84	0.81	0.14
		66	14.79	9.77	-5.85	4.44	-0.53	7.41	-0.71	-3.72	-3.70	-0.73	-0.25
		65	14.15	9.32	-3.81	5.54	-0.03	-5.94	-0.72	-3.67	-3.64	-0.74	0.25
		57	22.85	32.14	2.22	4.92	29.43	-8.58	3.77	0.70	3.76	0.71	-0.15
57	16	58	4.16	-0.20	-4.80	-0.33	-4.66	-0.78	-0.05	-0.77	-0.73	-0.10	0.17
		66	2.06	-0.06	-1.64	-1.24	-0.47	0.69	0.55	0.15	0.55	0.15	9.63e-03
		65	5.03	1.81	-6.70	-4.50	-0.39	3.72	0.10	-0.07	0.09	-0.06	0.04
		57	6.43	-0.23	-9.84	-3.58	-6.49	4.58	-0.09	-0.51	-0.50	-0.10	-0.06
57	17	58	26.03	36.82	1.74	5.45	33.11	10.78	4.20	0.88	4.19	0.89	0.15
		66	16.12	10.63	-6.32	4.87	-0.56	8.03	-0.78	-4.07	-4.04	-0.80	-0.28
		65	15.48	10.19	-4.24	6.01	-0.06	-6.55	-0.78	-4.01	-3.98	-0.81	0.27
		57	25.00	35.16	2.40	5.37	32.19	-9.41	4.12	0.77	4.11	0.78	-0.17
57	18	58	2.01	0.12	-1.90	0.11	-1.89	0.07	0.05	-0.45	-0.38	-0.02	0.18
		66	1.78	0.67	-1.98	-0.81	-0.50	1.32	0.21	0.08	0.21	0.08	-0.01
		65	4.80	1.38	-5.83	-4.03	-0.42	3.12	-0.10	-0.28	-0.25	-0.13	0.06
		57	4.96	0.33	-7.19	-3.12	-3.74	3.74	3.92e-03	-0.18	-0.15	-0.03	-0.07
57	19	58	23.86	33.77	1.58	5.00	30.35	9.93	3.84	0.81	3.84	0.81	0.14
		66	14.79	9.77	-5.86	4.44	-0.52	7.41	-0.71	-3.72	-3.70	-0.73	-0.25
		65	14.15	9.31	-3.81	5.54	-0.03	-5.94	-0.72	-3.67	-3.65	-0.74	0.25
		57	22.85	32.14	2.22	4.92	29.44	-8.57	3.77	0.70	3.76	0.71	-0.15
57	20	58	4.16	-0.20	-4.81	-0.34	-4.67	-0.79	-0.05	-0.77	-0.73	-0.10	0.17
		66	2.06	-0.06	-1.64	-1.24	-0.47	0.69	0.55	0.15	0.55	0.15	9.63e-03
		65	5.03	1.80	-6.69	-4.50	-0.39	3.72	0.10	-0.07	0.09	-0.06	0.04
		57	6.43	-0.23	-9.84	-3.58	-6.50	4.58	-0.09	-0.51	-0.50	-0.10	-0.06
57	21	58	26.03	36.82	1.74	5.45	33.11	10.78	4.20	0.88	4.19	0.89	0.15
		66	16.13	10.64	-6.33	4.87	-0.56	8.04	-0.78	-4.07	-4.05	-0.80	-0.28
		65	15.48	10.19	-4.24	6.01	-0.06	-6.54	-0.78	-4.01	-3.98	-0.81	0.27
		57	25.00	35.17	2.40	5.38	32.19	-9.41	4.12	0.77	4.11	0.78	-0.17
57	22	58	2.02	0.12	-1.90	0.11	-1.90	0.07	0.05	-0.45	-0.37	-0.02	0.18
		66	1.78	0.67	-1.98	-0.81	-0.50	1.31	0.21	0.08	0.21	0.08	-0.01
		65	4.79	1.38	-5.83	-4.03	-0.42	3.11	-0.10	-0.28	-0.25	-0.13	0.06
		57	4.96	0.32	-7.19	-3.12	-3.74	3.74	4.03e-03	-0.18	-0.15	-0.03	-0.07
57	23	58	90.19	127.16	6.77	18.81	115.11	36.13	14.70	2.98	14.68	3.01	0.55
		66	55.65	36.26	-20.19	17.59	-1.52	26.56	-2.75	-14.30	-14.22	-2.83	-0.98
		65	54.93	36.14	-17.02	19.89	-0.77	-24.49	-2.74	-14.13	-14.05	-2.83	0.96

		57	88.60	124.85	7.81	18.87	113.79	-34.24	14.51	2.79	14.48	2.82	-0.58
57	24	58	3.51	1.10	-1.64	1.03	-1.57	0.43	0.42	-0.98	-0.54	-0.02	0.65
		66	5.20	2.84	-5.49	-1.33	-1.32	4.17	0.16	-0.09	-0.04	0.11	-0.10
		65	15.24	1.90	-17.43	-13.57	-1.96	7.72	-0.50	-1.68	-1.61	-0.57	0.27
		57	13.33	2.05	-17.48	-9.45	-5.97	9.61	0.49	-0.08	0.28	0.13	-0.28
57	25	58	90.84	128.07	6.82	18.95	115.94	36.39	14.81	3.01	14.78	3.03	0.56
		66	56.05	36.52	-20.33	17.72	-1.53	26.74	-2.77	-14.40	-14.32	-2.85	-0.99
		65	55.33	36.40	-17.15	20.03	-0.77	-24.67	-2.76	-14.23	-14.15	-2.85	0.97
		57	89.25	125.76	7.86	19.01	114.61	-34.49	14.62	2.81	14.59	2.84	-0.59
57	26	58	3.63	1.39	-0.96	1.17	-0.74	0.69	0.47	-0.91	-0.43	8.92e-04	0.65
		66	5.43	3.09	-5.62	-1.20	-1.33	4.35	0.13	-0.19	-0.14	0.09	-0.11
		65	15.24	1.77	-17.17	-13.43	-1.97	7.54	-0.53	-1.78	-1.71	-0.59	0.28
		57	13.15	2.36	-16.82	-9.32	-5.15	9.36	0.57	-0.04	0.38	0.15	-0.28
57	27	58	90.19	127.16	6.77	18.81	115.11	36.13	14.70	2.98	14.68	3.01	0.55
		66	55.65	36.26	-20.19	17.59	-1.52	26.56	-2.75	-14.30	-14.22	-2.83	-0.98
		65	54.93	36.14	-17.02	19.89	-0.77	-24.49	-2.74	-14.13	-14.05	-2.83	0.96
		57	88.60	124.85	7.81	18.87	113.79	-34.24	14.51	2.79	14.48	2.82	-0.58
57	28	58	3.51	1.10	-1.64	1.03	-1.57	0.43	0.42	-0.98	-0.54	-0.02	0.65
		66	5.20	2.84	-5.49	-1.33	-1.32	4.17	0.16	-0.09	-0.04	0.11	-0.10
		65	15.24	1.90	-17.43	-13.57	-1.96	7.72	-0.50	-1.68	-1.61	-0.57	0.27
		57	13.33	2.05	-17.48	-9.45	-5.97	9.61	0.49	-0.08	0.28	0.13	-0.28
57	29	58	90.84	128.07	6.82	18.95	115.94	36.39	14.81	3.01	14.78	3.03	0.56
		66	56.05	36.52	-20.33	17.72	-1.53	26.74	-2.77	-14.40	-14.32	-2.85	-0.99
		65	55.33	36.40	-17.15	20.03	-0.77	-24.67	-2.76	-14.23	-14.15	-2.85	0.97
		57	89.25	125.76	7.86	19.01	114.61	-34.49	14.62	2.81	14.59	2.84	-0.59
57	30	58	3.63	1.39	-0.96	1.17	-0.74	0.69	0.47	-0.91	-0.43	8.92e-04	0.65
		66	5.43	3.09	-5.62	-1.20	-1.33	4.35	0.13	-0.19	-0.14	0.09	-0.11
		65	15.24	1.77	-17.17	-13.43	-1.97	7.54	-0.53	-1.78	-1.71	-0.59	0.28
		57	13.15	2.36	-16.82	-9.32	-5.15	9.36	0.57	-0.04	0.38	0.15	-0.28
57	31	58	90.20	127.18	6.77	18.82	115.12	36.14	14.70	2.98	14.67	3.01	0.55
		66	55.67	36.27	-20.20	17.59	-1.52	26.57	-2.75	-14.30	-14.22	-2.83	-0.98
		65	54.93	36.13	-17.01	19.89	-0.77	-24.48	-2.75	-14.13	-14.05	-2.83	0.96
		57	88.60	124.86	7.82	18.87	113.80	-34.23	14.51	2.79	14.48	2.82	-0.58
57	32	58	3.52	1.09	-1.65	1.02	-1.58	0.42	0.42	-0.98	-0.54	-0.02	0.65
		66	5.19	2.83	-5.48	-1.33	-1.32	4.15	0.16	-0.09	-0.04	0.11	-0.10
		65	15.23	1.89	-17.42	-13.57	-1.96	7.71	-0.50	-1.67	-1.61	-0.57	0.27
		57	13.32	2.03	-17.48	-9.46	-5.99	9.60	0.49	-0.08	0.28	0.13	-0.28
57	33	58	90.85	128.09	6.82	18.95	115.95	36.40	14.81	3.01	14.78	3.03	0.56
		66	56.07	36.53	-20.34	17.72	-1.53	26.76	-2.77	-14.41	-14.32	-2.85	-0.99
		65	55.33	36.39	-17.14	20.03	-0.77	-24.66	-2.77	-14.23	-14.15	-2.85	0.97
		57	89.25	125.77	7.87	19.01	114.63	-34.48	14.62	2.81	14.59	2.84	-0.59
57	34	58	3.62	1.38	-0.97	1.16	-0.75	0.68	0.47	-0.91	-0.43	1.17e-03	0.65
		66	5.42	3.08	-5.61	-1.20	-1.33	4.34	0.13	-0.18	-0.14	0.09	-0.11
		65	15.23	1.76	-17.16	-13.43	-1.97	7.53	-0.53	-1.77	-1.71	-0.59	0.28
		57	13.14	2.34	-16.82	-9.32	-5.16	9.35	0.57	-0.04	0.39	0.15	-0.28
57	35	58	90.20	127.18	6.77	18.82	115.12	36.14	14.70	2.98	14.67	3.01	0.55
		66	55.67	36.27	-20.20	17.59	-1.52	26.57	-2.75	-14.30	-14.22	-2.83	-0.98
		65	54.93	36.13	-17.01	19.89	-0.77	-24.48	-2.75	-14.13	-14.05	-2.83	0.96
		57	88.60	124.86	7.82	18.87	113.80	-34.23	14.51	2.79	14.48	2.82	-0.58
57	36	58	3.52	1.09	-1.65	1.02	-1.58	0.42	0.42	-0.98	-0.54	-0.02	0.65
		66	5.19	2.83	-5.48	-1.33	-1.32	4.15	0.16	-0.09	-0.04	0.11	-0.10
		65	15.23	1.89	-17.42	-13.57	-1.96	7.71	-0.50	-1.67	-1.61	-0.57	0.27
		57	13.32	2.03	-17.48	-9.46	-5.99	9.60	0.49	-0.08	0.28	0.13	-0.28
57	37	58	90.85	128.09	6.82	18.95	115.95	36.40	14.81	3.01	14.78	3.03	0.56
		66	56.07	36.53	-20.34	17.72	-1.53	26.76	-2.77	-14.41	-14.32	-2.85	-0.99
		65	55.33	36.39	-17.14	20.03	-0.77	-24.66	-2.77	-14.23	-14.15	-2.85	0.97
		57	89.25	125.77	7.87	19.01	114.63	-34.48	14.62	2.81	14.59	2.84	-0.59
57	38	58	3.62	1.38	-0.97	1.16	-0.75	0.68	0.47	-0.91	-0.43	1.17e-03	0.65
		66	5.42	3.08	-5.61	-1.20	-1.33	4.34	0.13	-0.18	-0.14	0.09	-0.11
		65	15.23	1.76	-17.16	-13.43	-1.97	7.53	-0.53	-1.77	-1.71	-0.59	0.28
		57	13.14	2.34	-16.82	-9.32	-5.16	9.35	0.57	-0.04	0.39	0.15	-0.28
57	39	58	0.74	0.85	-0.43	0.11	0.31	0.64	0.04	-4.79e-03	-4.17e-03	0.04	-5.00e-03
		66	0.71	0.42	-0.81	-0.21	-0.17	0.62	0.03	0.01	0.02	0.01	4.35e-03
		65	0.75	0.98	-0.29	0.46	0.23	0.62	0.04	-6.94e-04	0.04	3.04e-04	-6.43e-03
		57	0.68	0.32	-0.79	-0.02	-0.45	0.51	-0.04	-0.04	-0.04	-0.04	1.67e-03
57	40	58	0.76	0.86	-0.46	0.09	0.31	0.65	0.04	-6.66e-03	-6.05e-03	0.04	-5.05e-03
		66	0.73	0.43	-0.84	-0.23	-0.18	0.63	0.02	0.01	0.02	0.01	4.35e-03
		65	0.77	0.98	-0.31	0.44	0.23	0.64	0.04	-1.09e-03	0.04	-4.43e-05	-6.47e-03
		57	0.69	0.33	-0.81	-0.03	-0.45	0.53	-0.04	-0.04	-0.04	-0.04	1.59e-03
57	41	58	0.74	0.85	-0.43	0.11	0.31	0.64	0.04	-4.77e-03	-4.15e-03	0.04	-5.00e-03
		66	0.71	0.42	-0.81	-0.21	-0.17	0.62	0.03	0.01	0.02	0.01	4.35e-03
		65	0.75	0.98	-0.29	0.46	0.23	0.62	0.04	-6.89e-04	0.04	3.07e-04	-6.42e-03
		57	0.68	0.32	-0.79	-0.02	-0.45	0.51	-0.04	-0.04	-0.04	-0.04	1.69e-03
57	42	58	0.76	0.86	-0.46	0.10	0.31	0.65	0.04	-6.63e-03	-6.03e-03	0.04	-5.04e-03
		66	0.73	0.43	-0.84	-0.23	-0.18	0.63	0.02	0.01	0.02	0.01	4.35e-03
		65	0.77	0.99	-0.31	0.44	0.23	0.64	0.04	-1.08e-03	0.04	-4.13e-05	-6.46e-03
		57	0.69	0.33	-0.81	-0.03	-0.45	0.53	-0.04	-0.04	-0.04	-0.04	1.60e-03



		66	0.76	0.44	-0.87	-0.25	-0.18	0.65	0.02	0.01	0.02	0.01	4.35e-03
		65	0.78	0.99	-0.34	0.43	0.22	0.66	0.04	-1.55e-03	0.04	-4.49e-04	-6.51e-03
		57	0.71	0.34	-0.83	-0.04	-0.44	0.55	-0.04	-0.04	-0.04	-0.04	1.49e-03
57	63	58	0.72	0.85	-0.41	0.13	0.31	0.62	0.04	-3.22e-03	-2.59e-03	0.04	-4.96e-03
		66	0.70	0.42	-0.78	-0.19	-0.17	0.60	0.03	0.01	0.03	0.01	4.35e-03
		65	0.75	0.97	-0.27	0.47	0.23	0.61	0.04	-3.51e-04	0.04	6.08e-04	-6.39e-03
		57	0.67	0.32	-0.77	-5.47e-03	-0.45	0.50	-0.03	-0.04	-0.03	-0.04	1.75e-03
57	64	58	0.77	0.87	-0.48	0.07	0.31	0.67	0.04	-8.21e-03	-7.61e-03	0.04	-5.09e-03
		66	0.75	0.43	-0.87	-0.25	-0.18	0.65	0.02	0.01	0.02	0.01	4.35e-03
		65	0.78	0.99	-0.34	0.43	0.22	0.66	0.04	-1.43e-03	0.04	-3.46e-04	-6.50e-03
		57	0.71	0.33	-0.83	-0.05	-0.45	0.55	-0.04	-0.04	-0.04	-0.04	1.52e-03
57	65	58	0.72	0.85	-0.41	0.13	0.31	0.62	0.04	-3.22e-03	-2.59e-03	0.04	-4.96e-03
		66	0.70	0.42	-0.78	-0.19	-0.17	0.60	0.03	0.01	0.03	0.01	4.35e-03
		65	0.75	0.97	-0.27	0.47	0.23	0.61	0.04	-3.50e-04	0.04	6.09e-04	-6.39e-03
		57	0.67	0.32	-0.77	-5.44e-03	-0.45	0.50	-0.03	-0.04	-0.03	-0.04	1.75e-03
57	66	58	0.77	0.87	-0.48	0.07	0.31	0.67	0.04	-8.20e-03	-7.61e-03	0.04	-5.08e-03
		66	0.75	0.43	-0.87	-0.25	-0.18	0.65	0.02	0.01	0.02	0.01	4.35e-03
		65	0.78	0.99	-0.34	0.43	0.22	0.66	0.04	-1.43e-03	0.04	-3.45e-04	-6.50e-03
		57	0.71	0.33	-0.83	-0.05	-0.45	0.55	-0.04	-0.04	-0.04	-0.04	1.52e-03
57	67	58	0.72	0.85	-0.41	0.13	0.31	0.62	0.04	-3.22e-03	-2.59e-03	0.04	-4.96e-03
		66	0.70	0.42	-0.78	-0.19	-0.17	0.60	0.03	0.01	0.03	0.01	4.35e-03
		65	0.75	0.97	-0.27	0.47	0.23	0.61	0.04	-3.51e-04	0.04	6.08e-04	-6.39e-03
		57	0.67	0.32	-0.77	-5.47e-03	-0.45	0.50	-0.03	-0.04	-0.03	-0.04	1.75e-03
57	68	58	0.77	0.87	-0.48	0.07	0.31	0.67	0.04	-8.21e-03	-7.61e-03	0.04	-5.08e-03
		66	0.75	0.43	-0.87	-0.25	-0.18	0.65	0.02	0.01	0.02	0.01	4.35e-03
		65	0.78	0.99	-0.34	0.43	0.22	0.66	0.04	-1.43e-03	0.04	-3.46e-04	-6.50e-03
		57	0.71	0.33	-0.83	-0.05	-0.45	0.55	-0.04	-0.04	-0.04	-0.04	1.52e-03
57	69	58	0.72	0.85	-0.41	0.13	0.31	0.62	0.04	-3.22e-03	-2.59e-03	0.04	-4.96e-03
		66	0.70	0.42	-0.78	-0.19	-0.17	0.60	0.03	0.01	0.03	0.01	4.35e-03
		65	0.75	0.97	-0.27	0.47	0.23	0.61	0.04	-3.50e-04	0.04	6.09e-04	-6.39e-03
		57	0.67	0.32	-0.77	-5.44e-03	-0.45	0.50	-0.03	-0.04	-0.03	-0.04	1.75e-03
57	70	58	0.77	0.87	-0.48	0.07	0.31	0.67	0.04	-8.20e-03	-7.61e-03	0.04	-5.09e-03
		66	0.75	0.43	-0.87	-0.25	-0.18	0.65	0.02	0.01	0.02	0.01	4.35e-03
		65	0.78	0.99	-0.34	0.43	0.22	0.66	0.04	-1.43e-03	0.04	-3.45e-04	-6.50e-03
		57	0.71	0.33	-0.83	-0.05	-0.45	0.55	-0.04	-0.04	-0.04	-0.04	1.52e-03
57	71	58	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
		65	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		57	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
57	72	58	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
		65	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		57	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
57	73	58	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
		65	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		57	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
57	74	58	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
		65	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		57	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
57	75	58	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
		65	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		57	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
57	76	58	0.75	0.86	-0.45	0.10	0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.43	-0.82	-0.22	-0.17	0.63	0.03	0.01	0.02	0.01	4.35e-03
		65	0.76	0.98	-0.30	0.45	0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		57	0.69	0.33	-0.80	-0.03	-0.45	0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
58	1	58	0.97	0.58	-1.12	-0.13	-0.40	-0.84	0.05	-7.42e-03	-6.63e-03	0.05	-6.53e-03
		66	0.94	1.07	-0.56	0.29	0.23	-0.81	0.03	0.02	0.03	0.02	5.65e-03
		67	0.99	0.39	-1.28	-0.59	-0.30	-0.82	0.05	-1.16e-03	0.05	1.71e-04	-8.38e-03
		59	0.89	1.04	-0.42	0.03	0.58	-0.68	-0.05	-0.05	-0.05	-0.05	2.13e-03
58	2	58	0.97	0.58	-1.12	-0.13	-0.40	-0.84	0.05	-7.42e-03	-6.63e-03	0.05	-6.53e-03
		66	0.94	1.07	-0.56	0.29	0.23	-0.81	0.03	0.02	0.03	0.02	5.65e-03
		67	0.99	0.39	-1.28	-0.59	-0.30	-0.82	0.05	-1.16e-03	0.05	1.71e-04	-8.38e-03
		59	0.89	1.04	-0.42	0.03	0.58	-0.68	-0.05	-0.05	-0.05	-0.05	2.13e-03
58	3	58	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
		67	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		59	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
58	4	58	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
		67	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		59	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
58	5	58	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03

		67	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		59	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
58	6	58	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
		67	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		59	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
58	7	58	23.15	32.42	2.09	4.79	29.72	8.64	-0.74	-3.85	-3.85	-0.74	-0.15
		66	14.20	9.01	-4.30	4.89	-0.18	6.15	3.77	0.73	3.75	0.76	0.26
		67	14.79	9.72	-5.57	4.64	-0.49	-7.21	3.75	0.72	3.72	0.74	-0.26
		59	23.75	33.57	1.73	4.97	30.33	-9.62	-0.78	-3.84	-3.84	-0.79	0.15
58	8	58	4.44	-0.07	-6.21	-1.14	-5.14	-2.33	0.54	0.20	0.52	0.22	0.07
		66	2.96	1.09	-2.84	-1.80	0.06	-1.73	-0.10	-0.47	-0.47	-0.10	1.02e-03
		67	1.98	0.17	-1.01	-0.68	-0.16	0.52	-0.13	-0.64	-0.64	-0.13	0.02
		59	3.55	-0.34	-4.78	-0.71	-4.40	1.24	0.65	0.08	0.65	0.09	-0.05
58	9	58	25.32	35.47	2.26	5.24	32.49	9.49	-0.81	-4.21	-4.20	-0.81	-0.16
		66	15.54	9.87	-4.77	5.31	-0.21	6.78	4.12	0.80	4.09	0.83	0.29
		67	16.12	10.60	-6.00	5.10	-0.51	-7.81	4.09	0.78	4.06	0.81	-0.28
		59	25.90	36.60	1.92	5.43	33.09	-10.46	-0.85	-4.19	-4.19	-0.86	0.17
58	10	58	2.51	0.16	-3.23	-0.69	-2.37	-1.47	0.22	0.10	0.17	0.15	0.06
		66	1.63	0.63	-1.98	-1.38	0.03	-1.10	-0.02	-0.13	-0.13	-0.03	0.02
		67	0.79	-0.12	-0.28	-0.21	-0.18	-0.08	-0.06	-0.30	-0.30	-0.06	-2.42e-03
		59	1.43	-0.15	-1.75	-0.26	-1.64	0.40	0.30	0.01	0.30	0.02	-0.03
58	11	58	23.16	32.43	2.09	4.80	29.73	8.64	-0.74	-3.85	-3.85	-0.74	-0.15
		66	14.21	9.01	-4.30	4.89	-0.18	6.16	3.77	0.73	3.75	0.76	0.26
		67	14.79	9.72	-5.57	4.64	-0.49	-7.20	3.75	0.72	3.72	0.74	-0.26
		59	23.75	33.57	1.74	4.97	30.34	-9.62	-0.78	-3.84	-3.84	-0.79	0.15
58	12	58	4.44	-0.07	-6.22	-1.14	-5.14	-2.33	0.54	0.20	0.52	0.22	0.07
		66	2.96	1.10	-2.84	-1.81	0.06	-1.73	-0.10	-0.47	-0.47	-0.10	1.02e-03
		67	1.98	0.16	-1.00	-0.68	-0.16	0.52	-0.13	-0.64	-0.64	-0.13	0.02
		59	3.55	-0.34	-4.78	-0.71	-4.40	1.23	0.65	0.08	0.65	0.09	-0.05
58	13	58	25.32	35.48	2.26	5.25	32.49	9.50	-0.81	-4.21	-4.20	-0.81	-0.16
		66	15.54	9.88	-4.77	5.31	-0.21	6.79	4.12	0.80	4.09	0.83	0.29
		67	16.12	10.59	-6.00	5.10	-0.51	-7.81	4.09	0.78	4.06	0.81	-0.28
		59	25.90	36.60	1.92	5.43	33.09	-10.45	-0.85	-4.19	-4.19	-0.86	0.17
58	14	58	2.51	0.17	-3.23	-0.69	-2.38	-1.47	0.21	0.10	0.17	0.15	0.06
		66	1.63	0.64	-1.98	-1.38	0.03	-1.11	-0.02	-0.13	-0.13	-0.03	0.02
		67	0.79	-0.11	-0.28	-0.21	-0.18	-0.08	-0.06	-0.30	-0.30	-0.06	-2.43e-03
		59	1.43	-0.15	-1.75	-0.26	-1.65	0.40	0.30	0.01	0.30	0.02	-0.03
58	15	58	23.15	32.42	2.09	4.79	29.72	8.64	-0.74	-3.85	-3.85	-0.74	-0.15
		66	14.20	9.01	-4.30	4.89	-0.18	6.15	3.77	0.73	3.75	0.76	0.26
		67	14.79	9.72	-5.57	4.64	-0.49	-7.21	3.75	0.72	3.72	0.74	-0.26
		59	23.75	33.57	1.73	4.97	30.33	-9.62	-0.78	-3.84	-3.84	-0.79	0.15
58	16	58	4.44	-0.07	-6.21	-1.14	-5.14	-2.33	0.54	0.20	0.52	0.22	0.07
		66	2.96	1.09	-2.84	-1.80	0.06	-1.73	-0.10	-0.47	-0.47	-0.10	1.02e-03
		67	1.98	0.17	-1.01	-0.68	-0.16	0.52	-0.13	-0.64	-0.64	-0.13	0.02
		59	3.55	-0.34	-4.78	-0.71	-4.40	1.24	0.65	0.08	0.65	0.09	-0.05
58	17	58	25.32	35.47	2.26	5.24	32.49	9.49	-0.81	-4.21	-4.20	-0.81	-0.16
		66	15.54	9.87	-4.77	5.31	-0.21	6.78	4.12	0.80	4.09	0.83	0.29
		67	16.12	10.60	-6.00	5.10	-0.51	-7.81	4.09	0.78	4.06	0.81	-0.28
		59	25.90	36.60	1.92	5.43	33.09	-10.46	-0.85	-4.19	-4.19	-0.86	0.17
58	18	58	2.51	0.16	-3.23	-0.69	-2.37	-1.47	0.22	0.10	0.17	0.15	0.06
		66	1.63	0.63	-1.98	-1.38	0.03	-1.10	-0.02	-0.13	-0.13	-0.03	0.02
		67	0.79	-0.12	-0.28	-0.21	-0.18	-0.08	-0.06	-0.30	-0.30	-0.06	-2.40e-03
		59	1.43	-0.15	-1.75	-0.26	-1.64	0.40	0.30	0.01	0.30	0.02	-0.03
58	19	58	23.16	32.43	2.09	4.80	29.73	8.64	-0.74	-3.85	-3.85	-0.74	-0.15
		66	14.21	9.01	-4.30	4.89	-0.18	6.16	3.77	0.73	3.75	0.76	0.26
		67	14.79	9.72	-5.57	4.64	-0.49	-7.20	3.75	0.72	3.72	0.74	-0.26
		59	23.75	33.57	1.74	4.97	30.34	-9.62	-0.78	-3.84	-3.84	-0.79	0.15
58	20	58	4.44	-0.07	-6.22	-1.14	-5.14	-2.33	0.54	0.20	0.52	0.22	0.07
		66	2.96	1.10	-2.84	-1.81	0.06	-1.73	-0.10	-0.47	-0.47	-0.10	1.02e-03
		67	1.98	0.16	-1.00	-0.68	-0.16	0.52	-0.13	-0.64	-0.64	-0.13	0.02
		59	3.55	-0.34	-4.78	-0.71	-4.40	1.23	0.65	0.08	0.65	0.09	-0.05
58	21	58	25.32	35.48	2.26	5.25	32.49	9.50	-0.81	-4.21	-4.20	-0.81	-0.16
		66	15.54	9.88	-4.77	5.31	-0.21	6.79	4.12	0.80	4.09	0.83	0.29
		67	16.12	10.59	-6.00	5.10	-0.51	-7.81	4.09	0.78	4.06	0.81	-0.28
		59	25.90	36.60	1.92	5.43	33.09	-10.45	-0.85	-4.19	-4.19	-0.86	0.17
58	22	58	2.51	0.17	-3.23	-0.69	-2.38	-1.47	0.21	0.10	0.17	0.15	0.06
		66	1.63	0.64	-1.98	-1.38	0.03	-1.11	-0.02	-0.13	-0.13	-0.03	0.02
		67	0.79	-0.11	-0.28	-0.21	-0.18	-0.08	-0.06	-0.30	-0.30	-0.06	-2.41e-03
		59	1.43	-0.15	-1.75	-0.26	-1.65	0.40	0.30	0.01	0.30	0.02	-0.03
58	23	58	89.48	125.81	7.28	18.61	114.49	34.84	-2.91	-14.71	-14.69	-2.94	-0.56
		66	55.07	35.50	-18.63	18.03	-1.17	25.30	14.35	2.77	14.26	2.86	0.99
		67	55.57	36.55	-18.78	18.99	-1.22	-25.75	14.21	2.74	14.13	2.83	-0.97
		59	89.50	126.28	7.32	18.92	114.69	-35.29	-2.87	-14.59	-14.56	-2.90	0.59
58	24	58	3.12	0.29	-3.17	-1.17	-1.72	-1.71	0.34	-0.20	-0.13	0.27	0.17
		66	3.53	-0.14	-4.50	-4.27	-0.37	-0.98	0.26	-0.05	0.20	0.01	0.12
		67	1.84	1.26	-0.13	1.26	-0.13	0.02	-0.06	-0.42	-0.42	-0.06	-0.04

		59	1.64	0.50	-1.61	-0.02	-1.09	0.91	0.41	1.52e-03	0.39	0.02	-0.08
58	25	58	90.13	126.73	7.33	18.74	115.32	35.10	-2.93	-14.82	-14.79	-2.96	-0.57
		66	55.47	35.76	-18.78	18.16	-1.18	25.49	14.45	2.79	14.37	2.88	1.00
		67	55.97	36.81	-18.91	19.13	-1.23	-25.94	14.31	2.76	14.23	2.85	-0.98
		59	90.15	127.19	7.38	19.06	115.51	-35.54	-2.89	-14.69	-14.66	-2.92	0.59
58	26	58	2.63	0.50	-2.41	-1.03	-0.88	-1.45	0.30	-0.29	-0.24	0.25	0.17
		66	3.58	-0.22	-4.30	-4.14	-0.38	-0.79	0.36	-0.02	0.31	0.03	0.13
		67	1.69	1.42	-0.15	1.40	-0.14	-0.16	-0.04	-0.33	-0.32	-0.04	-0.05
		59	1.22	0.61	-0.75	0.11	-0.26	0.65	0.30	-0.02	0.28	-6.51e-04	-0.08
58	27	58	89.48	125.81	7.28	18.61	114.49	34.84	-2.91	-14.71	-14.69	-2.94	-0.56
		66	55.07	35.50	-18.63	18.03	-1.17	25.30	14.35	2.77	14.26	2.86	0.99
		67	55.57	36.55	-18.78	18.99	-1.22	-25.75	14.21	2.74	14.13	2.83	-0.97
		59	89.50	126.28	7.32	18.92	114.69	-35.29	-2.87	-14.59	-14.56	-2.90	0.59
58	28	58	3.12	0.29	-3.17	-1.17	-1.72	-1.71	0.34	-0.20	-0.13	0.27	0.17
		66	3.53	-0.14	-4.50	-4.27	-0.37	-0.98	0.26	-0.05	0.20	0.01	0.12
		67	1.84	1.26	-0.13	1.26	-0.13	0.02	-0.06	-0.42	-0.42	-0.06	-0.04
		59	1.64	0.50	-1.61	-0.02	-1.09	0.91	0.41	1.52e-03	0.39	0.02	-0.08
58	29	58	90.13	126.73	7.33	18.74	115.32	35.10	-2.93	-14.82	-14.79	-2.96	-0.57
		66	55.47	35.76	-18.78	18.16	-1.18	25.49	14.45	2.79	14.37	2.88	1.00
		67	55.97	36.81	-18.91	19.13	-1.23	-25.94	14.31	2.76	14.23	2.85	-0.98
		59	90.15	127.19	7.38	19.06	115.51	-35.54	-2.89	-14.69	-14.66	-2.92	0.59
58	30	58	2.63	0.50	-2.41	-1.03	-0.88	-1.45	0.30	-0.29	-0.24	0.25	0.17
		66	3.58	-0.22	-4.30	-4.14	-0.38	-0.79	0.36	-0.02	0.31	0.03	0.13
		67	1.69	1.42	-0.15	1.40	-0.14	-0.16	-0.04	-0.33	-0.32	-0.04	-0.05
		59	1.22	0.61	-0.75	0.11	-0.26	0.65	0.30	-0.02	0.28	-6.51e-04	-0.08
58	31	58	89.49	125.83	7.28	18.61	114.50	34.85	-2.91	-14.71	-14.68	-2.94	-0.56
		66	55.08	35.51	-18.64	18.04	-1.17	25.32	14.35	2.77	14.27	2.86	0.99
		67	55.57	36.54	-18.77	18.99	-1.22	-25.74	14.21	2.74	14.13	2.83	-0.97
		59	89.50	126.29	7.34	18.93	114.70	-35.28	-2.87	-14.59	-14.56	-2.90	0.59
58	32	58	3.13	0.29	-3.20	-1.17	-1.73	-1.72	0.34	-0.20	-0.13	0.27	0.17
		66	3.53	-0.13	-4.50	-4.27	-0.37	-0.99	0.26	-0.05	0.20	0.01	0.12
		67	1.84	1.26	-0.13	1.26	-0.13	5.66e-03	-0.06	-0.43	-0.42	-0.07	-0.04
		59	1.63	0.48	-1.61	-0.03	-1.10	0.89	0.40	1.22e-03	0.39	0.02	-0.08
58	33	58	90.14	126.75	7.33	18.75	115.33	35.11	-2.93	-14.82	-14.79	-2.96	-0.57
		66	55.48	35.77	-18.79	18.17	-1.18	25.50	14.45	2.79	14.37	2.88	1.00
		67	55.97	36.80	-18.90	19.13	-1.23	-25.92	14.31	2.76	14.23	2.85	-0.98
		59	90.15	127.20	7.39	19.06	115.53	-35.53	-2.89	-14.69	-14.66	-2.92	0.59
58	34	58	2.64	0.50	-2.44	-1.04	-0.90	-1.46	0.30	-0.29	-0.24	0.25	0.17
		66	3.59	-0.22	-4.30	-4.14	-0.38	-0.80	0.36	-0.02	0.31	0.03	0.13
		67	1.69	1.42	-0.16	1.40	-0.14	-0.18	-0.04	-0.33	-0.32	-0.04	-0.05
		59	1.21	0.59	-0.76	0.11	-0.28	0.64	0.30	-0.02	0.28	-8.72e-04	-0.08
58	35	58	89.49	125.83	7.28	18.61	114.50	34.85	-2.91	-14.71	-14.68	-2.94	-0.56
		66	55.08	35.51	-18.64	18.04	-1.17	25.32	14.35	2.77	14.27	2.86	0.99
		67	55.57	36.54	-18.77	18.99	-1.22	-25.74	14.21	2.74	14.13	2.83	-0.97
		59	89.50	126.29	7.34	18.93	114.70	-35.28	-2.87	-14.59	-14.56	-2.90	0.59
58	36	58	3.13	0.29	-3.20	-1.17	-1.73	-1.72	0.34	-0.20	-0.13	0.27	0.17
		66	3.53	-0.13	-4.50	-4.27	-0.37	-0.99	0.26	-0.05	0.20	0.01	0.12
		67	1.84	1.26	-0.13	1.26	-0.13	5.66e-03	-0.06	-0.43	-0.42	-0.07	-0.04
		59	1.63	0.48	-1.61	-0.03	-1.10	0.89	0.40	1.21e-03	0.39	0.02	-0.08
58	37	58	90.14	126.75	7.33	18.75	115.33	35.11	-2.93	-14.82	-14.79	-2.96	-0.57
		66	55.48	35.77	-18.79	18.17	-1.18	25.50	14.45	2.79	14.37	2.88	1.00
		67	55.97	36.80	-18.90	19.13	-1.23	-25.92	14.31	2.76	14.23	2.85	-0.98
		59	90.15	127.20	7.39	19.06	115.53	-35.53	-2.89	-14.69	-14.66	-2.92	0.59
58	38	58	2.64	0.50	-2.44	-1.04	-0.90	-1.46	0.30	-0.29	-0.24	0.25	0.17
		66	3.59	-0.22	-4.30	-4.14	-0.38	-0.80	0.36	-0.02	0.31	0.03	0.13
		67	1.69	1.42	-0.16	1.40	-0.14	-0.18	-0.04	-0.33	-0.32	-0.04	-0.05
		59	1.21	0.59	-0.76	0.11	-0.28	0.64	0.30	-0.02	0.28	-8.72e-04	-0.08
58	39	58	0.76	0.46	-0.86	-0.10	-0.31	-0.65	0.04	-6.63e-03	-6.03e-03	0.04	-5.04e-03
		66	0.73	0.84	-0.43	0.23	0.18	-0.63	0.02	0.01	0.02	0.01	4.35e-03
		67	0.77	0.31	-0.99	-0.44	-0.23	-0.64	0.04	-1.08e-03	0.04	-4.15e-05	-6.46e-03
		59	0.69	0.81	-0.33	0.03	0.45	-0.53	-0.04	-0.04	-0.04	-0.04	1.60e-03
58	40	58	0.74	0.43	-0.85	-0.11	-0.31	-0.64	0.04	-4.77e-03	-4.15e-03	0.04	-5.00e-03
		66	0.71	0.81	-0.42	0.21	0.17	-0.62	0.03	0.01	0.02	0.01	4.35e-03
		67	0.75	0.29	-0.98	-0.46	-0.23	-0.62	0.04	-6.88e-04	0.04	3.07e-04	-6.42e-03
		59	0.68	0.79	-0.32	0.02	0.45	-0.51	-0.04	-0.04	-0.04	-0.04	1.68e-03
58	41	58	0.76	0.46	-0.86	-0.09	-0.31	-0.65	0.04	-6.66e-03	-6.05e-03	0.04	-5.05e-03
		66	0.73	0.84	-0.43	0.23	0.18	-0.63	0.02	0.01	0.02	0.01	4.35e-03
		67	0.77	0.31	-0.98	-0.44	-0.23	-0.64	0.04	-1.09e-03	0.04	-4.47e-05	-6.47e-03
		59	0.69	0.81	-0.33	0.03	0.45	-0.53	-0.04	-0.04	-0.04	-0.04	1.59e-03
58	42	58	0.74	0.43	-0.85	-0.11	-0.31	-0.64	0.04	-4.79e-03	-4.17e-03	0.04	-5.01e-03
		66	0.71	0.81	-0.42	0.21	0.17	-0.62	0.03	0.01	0.02	0.01	4.35e-03
		67	0.75	0.29	-0.98	-0.46	-0.23	-0.62	0.04	-6.94e-04	0.04	3.04e-04	-6.43e-03
		59	0.68	0.79	-0.32	0.02	0.45	-0.51	-0.04	-0.04	-0.04	-0.04	1.67e-03
58	43	58	0.76	0.46	-0.86	-0.09	-0.31	-0.65	0.04	-6.45e-03	-5.84e-03	0.04	-5.04e-03
		66	0.73	0.84	-0.43	0.23	0.18	-0.63	0.02	0.01	0.02	0.01	4.35e-03
		67	0.76	0.31	-0.98	-0.44	-0.23	-0.64	0.04	-1.05e-03	0.04	-1.01e-05	-6.46e-03
		59	0.69	0.81	-0.33	0.03	0.45	-0.53	-0.04	-0.04	-0.04	-0.04	1.61e-03



		66	0.75	0.87	-0.43	0.25	0.18	-0.65	0.02	0.01	0.02	0.01	4.35e-03
		67	0.78	0.34	-0.99	-0.43	-0.22	-0.66	0.04	-1.43e-03	0.04	-3.45e-04	-6.50e-03
		59	0.71	0.83	-0.33	0.05	0.45	-0.55	-0.04	-0.04	-0.04	-0.04	1.52e-03
58	64	58	0.72	0.41	-0.85	-0.13	-0.31	-0.62	0.04	-3.21e-03	-2.59e-03	0.04	-4.96e-03
		66	0.70	0.78	-0.42	0.19	0.17	-0.60	0.03	0.01	0.03	0.01	4.35e-03
		67	0.75	0.27	-0.97	-0.47	-0.23	-0.61	0.04	-3.49e-04	0.04	6.09e-04	-6.39e-03
		59	0.67	0.78	-0.32	5.45e-03	0.45	-0.50	-0.03	-0.04	-0.03	-0.04	1.75e-03
58	65	58	0.77	0.48	-0.87	-0.07	-0.31	-0.67	0.04	-8.21e-03	-7.61e-03	0.04	-5.09e-03
		66	0.75	0.87	-0.43	0.25	0.18	-0.65	0.02	0.01	0.02	0.01	4.35e-03
		67	0.78	0.34	-0.99	-0.43	-0.22	-0.66	0.04	-1.43e-03	0.04	-3.46e-04	-6.50e-03
		59	0.71	0.83	-0.33	0.05	0.45	-0.55	-0.04	-0.04	-0.04	-0.04	1.52e-03
58	66	58	0.72	0.41	-0.85	-0.13	-0.31	-0.62	0.04	-3.22e-03	-2.59e-03	0.04	-4.97e-03
		66	0.70	0.78	-0.42	0.19	0.17	-0.60	0.03	0.01	0.03	0.01	4.35e-03
		67	0.75	0.27	-0.97	-0.47	-0.23	-0.61	0.04	-3.51e-04	0.04	6.08e-04	-6.39e-03
		59	0.67	0.78	-0.32	5.48e-03	0.45	-0.50	-0.03	-0.04	-0.03	-0.04	1.75e-03
58	67	58	0.77	0.48	-0.87	-0.07	-0.31	-0.67	0.04	-8.20e-03	-7.61e-03	0.04	-5.08e-03
		66	0.75	0.87	-0.43	0.25	0.18	-0.65	0.02	0.01	0.02	0.01	4.35e-03
		67	0.78	0.34	-0.99	-0.43	-0.22	-0.66	0.04	-1.43e-03	0.04	-3.45e-04	-6.50e-03
		59	0.71	0.83	-0.33	0.05	0.45	-0.55	-0.04	-0.04	-0.04	-0.04	1.52e-03
58	68	58	0.72	0.41	-0.85	-0.13	-0.31	-0.62	0.04	-3.22e-03	-2.59e-03	0.04	-4.96e-03
		66	0.70	0.78	-0.42	0.19	0.17	-0.60	0.03	0.01	0.03	0.01	4.35e-03
		67	0.75	0.27	-0.97	-0.47	-0.23	-0.61	0.04	-3.50e-04	0.04	6.09e-04	-6.39e-03
		59	0.67	0.78	-0.32	5.45e-03	0.45	-0.50	-0.03	-0.04	-0.03	-0.04	1.75e-03
58	69	58	0.77	0.48	-0.87	-0.07	-0.31	-0.67	0.04	-8.21e-03	-7.61e-03	0.04	-5.08e-03
		66	0.75	0.87	-0.43	0.25	0.18	-0.65	0.02	0.01	0.02	0.01	4.35e-03
		67	0.78	0.34	-0.99	-0.43	-0.22	-0.66	0.04	-1.43e-03	0.04	-3.46e-04	-6.50e-03
		59	0.71	0.83	-0.33	0.05	0.45	-0.55	-0.04	-0.04	-0.04	-0.04	1.52e-03
58	70	58	0.72	0.41	-0.85	-0.13	-0.31	-0.62	0.04	-3.22e-03	-2.59e-03	0.04	-4.96e-03
		66	0.70	0.78	-0.42	0.19	0.17	-0.60	0.03	0.01	0.03	0.01	4.35e-03
		67	0.75	0.27	-0.97	-0.47	-0.23	-0.61	0.04	-3.50e-04	0.04	6.08e-04	-6.39e-03
		59	0.67	0.78	-0.32	5.48e-03	0.45	-0.50	-0.03	-0.04	-0.03	-0.04	1.75e-03
58	71	58	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
		67	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		59	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
58	72	58	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
		67	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		59	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
58	73	58	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
		67	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		59	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
58	74	58	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
		67	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		59	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
58	75	58	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
		67	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		59	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
58	76	58	0.75	0.45	-0.86	-0.10	-0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	-5.02e-03
		66	0.72	0.82	-0.43	0.22	0.17	-0.63	0.03	0.01	0.02	0.01	4.35e-03
		67	0.76	0.30	-0.98	-0.45	-0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	-6.45e-03
		59	0.69	0.80	-0.33	0.03	0.45	-0.52	-0.04	-0.04	-0.04	-0.04	1.64e-03
59	1	59	0.65	0.43	-0.57	-0.16	0.02	-0.49	0.01	-0.06	-0.06	0.01	-9.95e-03
		67	0.55	0.25	-0.42	-0.19	0.02	-0.32	0.10	0.02	0.09	0.03	0.02
		68	0.60	0.03	-0.72	-0.50	-0.19	-0.34	0.10	0.01	0.10	0.02	-0.02
		60	0.39	0.45	-0.10	-0.07	0.42	-0.12	-0.03	-0.07	-0.07	-0.03	8.91e-03
59	2	59	0.65	0.43	-0.57	-0.16	0.02	-0.49	0.01	-0.06	-0.06	0.01	-9.95e-03
		67	0.55	0.25	-0.42	-0.19	0.02	-0.32	0.10	0.02	0.09	0.03	0.02
		68	0.60	0.03	-0.72	-0.50	-0.19	-0.34	0.10	0.01	0.10	0.02	-0.02
		60	0.39	0.45	-0.10	-0.07	0.42	-0.12	-0.03	-0.07	-0.07	-0.03	8.91e-03
59	3	59	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		67	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
		68	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		60	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
59	4	59	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		67	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
		68	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		60	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
59	5	59	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		67	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
		68	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		60	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
59	6	59	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		67	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01

		68	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		60	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
59	7	59	23.41	32.85	2.00	4.86	29.99	8.95	-0.76	-3.87	-3.87	-0.77	-0.15
		67	14.38	9.18	-4.76	4.71	-0.29	6.51	3.78	0.73	3.76	0.75	0.26
		68	14.65	9.60	-5.12	4.84	-0.36	-6.89	3.75	0.72	3.73	0.74	-0.26
		60	23.57	33.22	1.88	4.95	30.15	-9.31	-0.76	-3.84	-3.84	-0.77	0.15
59	8	59	3.92	-0.09	-5.54	-0.80	-4.82	-1.84	0.58	0.13	0.58	0.13	6.60e-03
		67	2.34	1.02	-1.67	-0.77	0.12	-1.27	-0.10	-0.54	-0.53	-0.11	-0.03
		68	2.23	0.30	-1.76	-1.32	-0.14	0.84	-0.10	-0.50	-0.50	-0.10	0.03
		60	3.45	-0.44	-4.95	-0.93	-4.46	1.41	0.56	0.10	0.56	0.10	-0.02
59	9	59	25.57	35.90	2.17	5.32	32.75	9.81	-0.83	-4.23	-4.22	-0.84	-0.16
		67	15.72	10.06	-5.23	5.15	-0.32	7.14	4.12	0.80	4.10	0.82	0.29
		68	15.98	10.49	-5.55	5.32	-0.38	-7.49	4.09	0.79	4.06	0.81	-0.28
		60	25.72	36.25	2.06	5.41	32.90	-10.16	-0.83	-4.19	-4.19	-0.84	0.16
59	10	59	1.78	0.10	-2.50	-0.35	-2.06	-0.98	0.23	0.06	0.23	0.06	-6.12e-03
		67	1.01	0.56	-0.79	-0.33	0.09	-0.64	-0.04	-0.20	-0.20	-0.04	-7.94e-03
		68	0.92	-0.09	-0.91	-0.84	-0.16	0.23	-0.03	-0.17	-0.17	-0.03	5.14e-03
		60	1.31	-0.25	-1.93	-0.47	-1.71	0.57	0.21	0.03	0.21	0.03	-2.36e-03
59	11	59	23.41	32.85	1.99	4.86	29.99	8.96	-0.76	-3.87	-3.87	-0.77	-0.15
		67	14.39	9.19	-4.77	4.71	-0.29	6.52	3.78	0.73	3.76	0.75	0.26
		68	14.64	9.59	-5.12	4.84	-0.36	-6.88	3.75	0.72	3.73	0.74	-0.26
		60	23.57	33.22	1.88	4.95	30.16	-9.30	-0.76	-3.84	-3.84	-0.77	0.15
59	12	59	3.92	-0.08	-5.54	-0.81	-4.82	-1.85	0.58	0.13	0.58	0.13	6.56e-03
		67	2.35	1.03	-1.68	-0.77	0.12	-1.28	-0.10	-0.54	-0.54	-0.11	-0.03
		68	2.22	0.29	-1.75	-1.32	-0.14	0.83	-0.10	-0.50	-0.50	-0.10	0.03
		60	3.45	-0.44	-4.95	-0.93	-4.46	1.41	0.56	0.10	0.56	0.10	-0.02
59	13	59	25.58	35.91	2.16	5.32	32.75	9.82	-0.83	-4.23	-4.22	-0.84	-0.16
		67	15.73	10.07	-5.23	5.15	-0.32	7.15	4.12	0.80	4.10	0.82	0.29
		68	15.97	10.48	-5.54	5.32	-0.38	-7.48	4.09	0.79	4.06	0.81	-0.28
		60	25.71	36.24	2.07	5.41	32.91	-10.15	-0.83	-4.19	-4.19	-0.84	0.16
59	14	59	1.79	0.10	-2.51	-0.35	-2.06	-0.98	0.23	0.06	0.23	0.06	-6.16e-03
		67	1.02	0.57	-0.80	-0.33	0.09	-0.65	-0.04	-0.20	-0.20	-0.04	-7.95e-03
		68	0.92	-0.09	-0.91	-0.84	-0.16	0.23	-0.03	-0.17	-0.17	-0.03	5.13e-03
		60	1.31	-0.25	-1.93	-0.47	-1.71	0.56	0.21	0.03	0.21	0.03	-2.39e-03
59	15	59	23.41	32.85	2.00	4.86	29.99	8.95	-0.76	-3.87	-3.87	-0.77	-0.15
		67	14.38	9.18	-4.76	4.71	-0.29	6.51	3.78	0.73	3.76	0.75	0.26
		68	14.65	9.60	-5.12	4.84	-0.36	-6.89	3.75	0.72	3.73	0.74	-0.26
		60	23.57	33.22	1.88	4.95	30.15	-9.31	-0.76	-3.84	-3.84	-0.77	0.15
59	16	59	3.92	-0.09	-5.54	-0.80	-4.82	-1.84	0.58	0.13	0.58	0.13	6.59e-03
		67	2.34	1.02	-1.67	-0.77	0.12	-1.27	-0.10	-0.54	-0.53	-0.11	-0.03
		68	2.23	0.30	-1.76	-1.32	-0.14	0.84	-0.10	-0.50	-0.50	-0.10	0.03
		60	3.45	-0.44	-4.95	-0.93	-4.46	1.41	0.56	0.10	0.56	0.10	-0.02
59	17	59	25.57	35.90	2.17	5.32	32.75	9.81	-0.83	-4.23	-4.22	-0.84	-0.16
		67	15.72	10.06	-5.23	5.15	-0.32	7.14	4.12	0.80	4.10	0.82	0.29
		68	15.98	10.49	-5.55	5.32	-0.38	-7.49	4.09	0.79	4.06	0.81	-0.28
		60	25.72	36.25	2.06	5.41	32.90	-10.16	-0.83	-4.19	-4.19	-0.84	0.16
59	18	59	1.78	0.10	-2.50	-0.35	-2.06	-0.98	0.23	0.06	0.23	0.06	-6.11e-03
		67	1.01	0.56	-0.79	-0.33	0.09	-0.64	-0.04	-0.20	-0.20	-0.04	-7.92e-03
		68	0.92	-0.09	-0.91	-0.84	-0.16	0.23	-0.03	-0.17	-0.17	-0.03	5.11e-03
		60	1.31	-0.25	-1.93	-0.47	-1.71	0.57	0.21	0.03	0.21	0.03	-2.35e-03
59	19	59	23.41	32.85	1.99	4.86	29.99	8.96	-0.76	-3.87	-3.87	-0.77	-0.15
		67	14.39	9.19	-4.77	4.71	-0.29	6.52	3.78	0.73	3.76	0.75	0.26
		68	14.64	9.59	-5.12	4.84	-0.36	-6.88	3.75	0.72	3.73	0.74	-0.26
		60	23.57	33.22	1.88	4.95	30.16	-9.30	-0.76	-3.84	-3.84	-0.77	0.15
59	20	59	3.92	-0.08	-5.54	-0.81	-4.82	-1.85	0.58	0.13	0.58	0.13	6.55e-03
		67	2.35	1.03	-1.68	-0.77	0.12	-1.28	-0.10	-0.54	-0.54	-0.11	-0.03
		68	2.22	0.29	-1.75	-1.32	-0.14	0.83	-0.10	-0.50	-0.50	-0.10	0.03
		60	3.45	-0.44	-4.95	-0.93	-4.46	1.41	0.56	0.10	0.56	0.10	-0.02
59	21	59	25.58	35.91	2.16	5.32	32.75	9.82	-0.83	-4.23	-4.22	-0.84	-0.16
		67	15.73	10.07	-5.23	5.15	-0.32	7.15	4.12	0.80	4.10	0.82	0.29
		68	15.97	10.48	-5.54	5.32	-0.38	-7.48	4.09	0.79	4.06	0.81	-0.28
		60	25.71	36.24	2.07	5.41	32.91	-10.15	-0.83	-4.19	-4.19	-0.84	0.16
59	22	59	1.79	0.10	-2.51	-0.35	-2.06	-0.98	0.23	0.06	0.23	0.06	-6.15e-03
		67	1.02	0.57	-0.80	-0.33	0.09	-0.65	-0.04	-0.20	-0.20	-0.04	-7.93e-03
		68	0.92	-0.09	-0.91	-0.84	-0.16	0.23	-0.03	-0.17	-0.17	-0.03	5.10e-03
		60	1.31	-0.25	-1.93	-0.47	-1.71	0.56	0.21	0.03	0.21	0.03	-2.39e-03
59	23	59	89.60	126.21	7.29	18.90	114.59	35.30	-2.93	-14.67	-14.65	-2.95	-0.54
		67	55.22	36.03	-18.79	18.39	-1.15	25.61	14.25	2.75	14.16	2.83	0.97
		68	55.47	36.85	-18.25	19.59	-0.99	-25.55	14.11	2.73	14.03	2.81	-0.95
		60	89.29	126.00	7.41	19.06	114.35	-35.30	-2.85	-14.54	-14.51	-2.88	0.56
59	24	59	1.43	0.29	-1.70	0.03	-1.44	-0.67	0.18	0.03	0.17	0.03	-0.03
		67	0.52	0.50	-0.16	0.13	0.21	-0.32	-0.04	-0.15	-0.15	-0.04	-0.01
		68	0.75	-0.18	-1.00	-0.95	-0.23	0.20	-7.82e-03	-0.07	-0.07	-7.96e-03	2.81e-03
		60	0.85	-0.26	-1.29	-0.53	-1.01	0.46	0.14	0.01	0.14	0.01	2.42e-03
59	25	59	90.25	127.12	7.34	19.04	115.42	35.56	-2.95	-14.78	-14.76	-2.97	-0.54
		67	55.62	36.30	-18.93	18.52	-1.16	25.80	14.35	2.77	14.27	2.85	0.97
		68	55.87	37.12	-18.37	19.74	-0.99	-25.74	14.21	2.75	14.13	2.83	-0.96

		60	89.94	126.91	7.47	19.20	115.18	-35.55	-2.87	-14.64	-14.62	-2.90	0.56
59	26	59	0.81	0.34	-0.78	0.17	-0.61	-0.41	0.08	-1.03e-03	0.07	0.01	-0.03
		67	0.29	0.37	0.09	0.26	0.21	-0.14	-0.02	-0.05	-0.05	-0.02	-3.27e-03
		68	0.54	-0.24	-0.81	-0.81	-0.24	0.02	0.04	0.01	0.04	0.01	-3.96e-03
		60	0.36	-0.06	-0.52	-0.39	-0.19	0.20	0.04	-6.77e-03	0.03	-5.79e-03	6.39e-03
59	27	59	89.60	126.21	7.29	18.90	114.59	35.30	-2.93	-14.67	-14.65	-2.95	-0.54
		67	55.22	36.03	-18.79	18.39	-1.15	25.61	14.25	2.75	14.16	2.83	0.97
		68	55.47	36.85	-18.25	19.59	-0.99	-25.55	14.11	2.73	14.03	2.81	-0.95
		60	89.29	126.00	7.41	19.06	114.35	-35.30	-2.85	-14.54	-14.51	-2.88	0.56
59	28	59	1.43	0.29	-1.70	0.03	-1.44	-0.67	0.18	0.03	0.17	0.03	-0.03
		67	0.52	0.50	-0.16	0.13	0.21	-0.32	-0.04	-0.15	-0.15	-0.04	-0.01
		68	0.75	-0.18	-1.00	-0.95	-0.23	0.20	-7.82e-03	-0.07	-0.07	-7.96e-03	2.82e-03
		60	0.85	-0.26	-1.29	-0.53	-1.01	0.46	0.14	0.01	0.14	0.01	2.42e-03
59	29	59	90.25	127.12	7.34	19.04	115.42	35.56	-2.95	-14.78	-14.76	-2.97	-0.54
		67	55.62	36.30	-18.93	18.52	-1.16	25.80	14.35	2.77	14.27	2.85	0.97
		68	55.87	37.12	-18.37	19.74	-0.99	-25.74	14.21	2.75	14.13	2.83	-0.96
		60	89.94	126.91	7.47	19.20	115.18	-35.55	-2.87	-14.64	-14.62	-2.90	0.56
59	30	59	0.81	0.34	-0.78	0.17	-0.61	-0.41	0.08	-1.03e-03	0.07	0.01	-0.03
		67	0.29	0.37	0.09	0.26	0.21	-0.14	-0.02	-0.05	-0.05	-0.02	-3.27e-03
		68	0.54	-0.24	-0.81	-0.81	-0.24	0.02	0.04	0.01	0.04	0.01	-3.97e-03
		60	0.36	-0.06	-0.52	-0.39	-0.19	0.20	0.04	-6.77e-03	0.03	-5.79e-03	6.39e-03
59	31	59	89.61	126.22	7.28	18.91	114.59	35.33	-2.93	-14.67	-14.65	-2.95	-0.54
		67	55.24	36.06	-18.81	18.39	-1.15	25.64	14.25	2.75	14.16	2.83	0.97
		68	55.45	36.83	-18.22	19.59	-0.99	-25.53	14.11	2.73	14.03	2.81	-0.95
		60	89.29	125.99	7.43	19.06	114.36	-35.27	-2.85	-14.54	-14.51	-2.88	0.56
59	32	59	1.44	0.30	-1.71	0.03	-1.44	-0.69	0.18	0.03	0.17	0.03	-0.03
		67	0.54	0.52	-0.18	0.12	0.21	-0.35	-0.04	-0.15	-0.15	-0.04	-0.01
		68	0.74	-0.19	-0.99	-0.95	-0.23	0.18	-7.90e-03	-0.07	-0.07	-8.04e-03	2.78e-03
		60	0.84	-0.28	-1.27	-0.53	-1.02	0.43	0.14	0.01	0.14	0.01	2.30e-03
59	33	59	90.25	127.14	7.33	19.04	115.42	35.59	-2.95	-14.78	-14.75	-2.97	-0.54
		67	55.64	36.32	-18.95	18.53	-1.16	25.83	14.35	2.77	14.27	2.85	0.97
		68	55.85	37.09	-18.35	19.74	-0.99	-25.71	14.21	2.75	14.13	2.83	-0.96
		60	89.93	126.90	7.48	19.20	115.18	-35.52	-2.87	-14.64	-14.61	-2.90	0.56
59	34	59	0.83	0.36	-0.80	0.16	-0.61	-0.43	0.08	-1.45e-03	0.07	0.01	-0.03
		67	0.30	0.40	0.07	0.26	0.21	-0.16	-0.02	-0.05	-0.05	-0.02	-3.30e-03
		68	0.54	-0.24	-0.81	-0.81	-0.24	-6.14e-03	0.04	0.01	0.04	0.01	-4.00e-03
		60	0.35	-0.09	-0.50	-0.40	-0.20	0.18	0.04	-6.83e-03	0.03	-5.87e-03	6.27e-03
59	35	59	89.61	126.22	7.28	18.91	114.59	35.33	-2.93	-14.67	-14.65	-2.95	-0.54
		67	55.24	36.06	-18.81	18.39	-1.15	25.64	14.25	2.75	14.16	2.83	0.97
		68	55.45	36.83	-18.22	19.59	-0.99	-25.53	14.11	2.73	14.03	2.81	-0.95
		60	89.29	125.99	7.43	19.06	114.36	-35.27	-2.85	-14.54	-14.51	-2.88	0.56
59	36	59	1.44	0.30	-1.71	0.03	-1.44	-0.69	0.18	0.03	0.17	0.03	-0.03
		67	0.54	0.52	-0.18	0.12	0.21	-0.35	-0.04	-0.15	-0.15	-0.04	-0.01
		68	0.74	-0.19	-0.99	-0.95	-0.23	0.18	-7.90e-03	-0.07	-0.07	-8.04e-03	2.79e-03
		60	0.84	-0.28	-1.27	-0.53	-1.02	0.43	0.14	0.01	0.14	0.01	2.30e-03
59	37	59	90.25	127.14	7.33	19.04	115.42	35.59	-2.95	-14.78	-14.75	-2.97	-0.54
		67	55.64	36.32	-18.95	18.53	-1.16	25.83	14.35	2.77	14.27	2.85	0.97
		68	55.85	37.09	-18.35	19.74	-0.99	-25.71	14.21	2.75	14.13	2.83	-0.96
		60	89.93	126.90	7.48	19.20	115.18	-35.52	-2.87	-14.64	-14.61	-2.90	0.56
59	38	59	0.83	0.36	-0.80	0.16	-0.61	-0.43	0.08	-1.44e-03	0.07	0.01	-0.03
		67	0.30	0.40	0.07	0.26	0.21	-0.16	-0.02	-0.05	-0.05	-0.02	-3.30e-03
		68	0.54	-0.24	-0.81	-0.81	-0.24	-6.14e-03	0.04	0.01	0.04	0.01	-4.01e-03
		60	0.35	-0.09	-0.50	-0.40	-0.20	0.18	0.04	-6.83e-03	0.03	-5.87e-03	6.27e-03
59	39	59	0.52	0.35	-0.45	-0.11	0.01	-0.40	0.01	-0.05	-0.05	8.95e-03	-7.70e-03
		67	0.43	0.22	-0.34	-0.14	0.02	-0.27	0.08	0.02	0.07	0.02	0.01
		68	0.47	0.04	-0.58	-0.39	-0.14	-0.28	0.08	0.01	0.08	0.01	-0.01
		60	0.30	0.36	-0.09	-0.06	0.32	-0.12	-0.02	-0.06	-0.06	-0.02	6.80e-03
59	40	59	0.48	0.31	-0.42	-0.13	0.02	-0.36	0.01	-0.05	-0.04	9.14e-03	-7.61e-03
		67	0.41	0.17	-0.31	-0.15	0.02	-0.23	0.08	0.02	0.07	0.02	0.01
		68	0.45	8.14e-03	-0.54	-0.39	-0.14	-0.24	0.08	0.01	0.08	0.01	-0.01
		60	0.29	0.34	-0.07	-0.06	0.33	-0.08	-0.02	-0.06	-0.06	-0.02	6.92e-03
59	41	59	0.52	0.35	-0.45	-0.11	0.01	-0.40	0.01	-0.05	-0.05	8.93e-03	-7.70e-03
		67	0.43	0.22	-0.34	-0.14	0.02	-0.27	0.08	0.02	0.07	0.02	0.01
		68	0.47	0.04	-0.58	-0.39	-0.14	-0.28	0.08	0.01	0.08	0.01	-0.01
		60	0.30	0.36	-0.09	-0.06	0.32	-0.12	-0.02	-0.06	-0.06	-0.02	6.79e-03
59	42	59	0.48	0.31	-0.42	-0.13	0.02	-0.36	0.01	-0.05	-0.04	9.13e-03	-7.61e-03
		67	0.41	0.17	-0.31	-0.15	0.02	-0.23	0.08	0.02	0.07	0.02	0.01
		68	0.45	8.15e-03	-0.54	-0.39	-0.14	-0.24	0.08	0.01	0.08	0.01	-0.01
		60	0.29	0.34	-0.07	-0.06	0.33	-0.08	-0.02	-0.06	-0.06	-0.02	6.91e-03
59	43	59	0.52	0.35	-0.45	-0.11	0.01	-0.39	0.01	-0.05	-0.05	8.97e-03	-7.68e-03
		67	0.43	0.22	-0.33	-0.14	0.02	-0.26	0.08	0.02	0.07	0.02	0.01
		68	0.47	0.04	-0.57	-0.39	-0.14	-0.28	0.08	0.01	0.08	0.01	-0.01
		60	0.30	0.35	-0.09	-0.06	0.32	-0.11	-0.02	-0.06	-0.06	-0.02	6.82e-03
59	44	59	0.48	0.31	-0.42	-0.13	0.02	-0.36	0.01	-0.05	-0.04	9.12e-03	-7.63e-03
		67	0.41	0.18	-0.31	-0.15	0.02	-0.23	0.08	0.02	0.07	0.02	0.01
		68	0.45	0.01	-0.54	-0.39	-0.14	-0.25	0.08	0.01	0.08	0.01	-0.01
		60	0.29	0.34	-0.07	-0.06	0.33	-0.08	-0.02	-0.06	-0.06	-0.02	6.91e-03



		67	0.38	0.13	-0.29	-0.17	0.01	-0.19	0.08	0.02	0.07	0.02	0.01
		68	0.43	-0.02	-0.51	-0.39	-0.14	-0.21	0.08	0.01	0.08	0.01	-0.01
		60	0.29	0.33	-0.06	-0.06	0.33	-0.04	-0.02	-0.06	-0.05	-0.02	7.01e-03
59	65	59	0.55	0.39	-0.48	-0.10	0.01	-0.43	9.85e-03	-0.05	-0.05	8.78e-03	-7.75e-03
		67	0.46	0.26	-0.36	-0.12	0.02	-0.30	0.07	0.02	0.07	0.02	0.01
		68	0.50	0.08	-0.61	-0.39	-0.14	-0.32	0.08	0.01	0.08	0.01	-0.01
		60	0.32	0.38	-0.11	-0.06	0.32	-0.15	-0.02	-0.06	-0.06	-0.02	6.70e-03
59	66	59	0.45	0.27	-0.39	-0.14	0.02	-0.32	0.01	-0.04	-0.04	9.29e-03	-7.56e-03
		67	0.38	0.13	-0.29	-0.17	0.01	-0.19	0.08	0.02	0.07	0.02	0.01
		68	0.43	-0.02	-0.51	-0.39	-0.14	-0.21	0.08	0.01	0.08	0.01	-0.01
		60	0.29	0.33	-0.06	-0.06	0.33	-0.04	-0.02	-0.06	-0.05	-0.02	7.00e-03
59	67	59	0.55	0.39	-0.48	-0.10	0.01	-0.43	9.86e-03	-0.05	-0.05	8.79e-03	-7.75e-03
		67	0.46	0.26	-0.36	-0.12	0.02	-0.30	0.07	0.02	0.07	0.02	0.01
		68	0.50	0.08	-0.61	-0.39	-0.14	-0.32	0.08	0.01	0.08	0.01	-0.01
		60	0.32	0.38	-0.11	-0.06	0.32	-0.15	-0.02	-0.06	-0.06	-0.02	6.71e-03
59	68	59	0.45	0.27	-0.39	-0.14	0.02	-0.32	0.01	-0.04	-0.04	9.30e-03	-7.57e-03
		67	0.38	0.13	-0.29	-0.17	0.01	-0.19	0.08	0.02	0.07	0.02	0.01
		68	0.43	-0.02	-0.51	-0.39	-0.14	-0.21	0.08	0.01	0.08	0.01	-0.01
		60	0.29	0.33	-0.06	-0.06	0.33	-0.04	-0.02	-0.06	-0.05	-0.02	7.01e-03
59	69	59	0.55	0.39	-0.48	-0.10	0.01	-0.43	9.85e-03	-0.05	-0.05	8.78e-03	-7.75e-03
		67	0.46	0.26	-0.36	-0.12	0.02	-0.30	0.07	0.02	0.07	0.02	0.01
		68	0.50	0.08	-0.61	-0.39	-0.14	-0.32	0.08	0.01	0.08	0.01	-0.01
		60	0.32	0.38	-0.11	-0.06	0.32	-0.15	-0.02	-0.06	-0.06	-0.02	6.70e-03
59	70	59	0.45	0.27	-0.39	-0.14	0.02	-0.32	0.01	-0.04	-0.04	9.29e-03	-7.56e-03
		67	0.38	0.13	-0.29	-0.17	0.01	-0.19	0.08	0.02	0.07	0.02	0.01
		68	0.43	-0.02	-0.51	-0.39	-0.14	-0.21	0.08	0.01	0.08	0.01	-0.01
		60	0.29	0.33	-0.06	-0.06	0.33	-0.04	-0.02	-0.06	-0.05	-0.02	7.00e-03
59	71	59	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		67	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
		68	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		60	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
59	72	59	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		67	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
		68	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		60	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
59	73	59	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		67	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
		68	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		60	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
59	74	59	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		67	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
		68	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		60	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
59	75	59	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		67	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
		68	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		60	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
59	76	59	0.50	0.33	-0.44	-0.12	0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		67	0.42	0.20	-0.32	-0.14	0.02	-0.25	0.08	0.02	0.07	0.02	0.01
		68	0.46	0.03	-0.56	-0.39	-0.14	-0.26	0.08	0.01	0.08	0.01	-0.01
		60	0.30	0.35	-0.08	-0.06	0.32	-0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
60	1	60	0.39	0.45	-0.10	-0.07	0.42	0.12	-0.03	-0.07	-0.07	-0.03	-8.91e-03
		68	0.60	0.03	-0.72	-0.50	-0.19	0.34	0.10	0.01	0.10	0.02	0.02
		69	0.55	0.25	-0.42	-0.19	0.02	0.32	0.10	0.02	0.09	0.03	-0.02
		61	0.65	0.43	-0.57	-0.16	0.02	0.49	0.01	-0.06	-0.06	0.01	9.95e-03
60	2	60	0.39	0.45	-0.10	-0.07	0.42	0.12	-0.03	-0.07	-0.07	-0.03	-8.91e-03
		68	0.60	0.03	-0.72	-0.50	-0.19	0.34	0.10	0.01	0.10	0.02	0.02
		69	0.55	0.25	-0.42	-0.19	0.02	0.32	0.10	0.02	0.09	0.03	-0.02
		61	0.65	0.43	-0.57	-0.16	0.02	0.49	0.01	-0.06	-0.06	0.01	9.95e-03
60	3	60	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		68	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
		69	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		61	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
60	4	60	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		68	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
		69	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		61	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
60	5	60	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		68	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
		69	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		61	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
60	6	60	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		68	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
		69	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		61	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
60	7	60	23.52	33.16	1.94	4.95	30.16	9.20	-0.76	-3.84	-3.84	-0.77	-0.15
		68	14.58	9.50	-5.02	4.84	-0.36	6.78	3.75	0.72	3.73	0.74	0.26

		69	14.44	9.26	-4.88	4.67	-0.29	-6.62	3.78	0.73	3.76	0.75	-0.26
		61	23.47	32.91	1.91	4.83	29.99	-9.06	-0.76	-3.87	-3.86	-0.76	0.15
60	8	60	3.40	-0.50	-4.90	-0.93	-4.46	-1.31	0.56	0.10	0.56	0.10	0.02
		68	2.18	0.21	-1.67	-1.32	-0.14	-0.73	-0.10	-0.51	-0.50	-0.10	-0.03
		69	2.41	1.14	-1.75	-0.74	0.13	1.38	-0.10	-0.54	-0.54	-0.11	0.03
		61	3.99	0.01	-5.61	-0.77	-4.82	1.95	0.58	0.13	0.58	0.13	-6.36e-03
60	9	60	25.67	36.19	2.13	5.41	32.91	10.05	-0.83	-4.19	-4.18	-0.84	-0.16
		68	15.91	10.39	-5.45	5.32	-0.38	7.39	4.09	0.79	4.06	0.81	0.28
		69	15.78	10.14	-5.34	5.12	-0.32	-7.25	4.13	0.80	4.10	0.82	-0.29
		61	25.63	35.96	2.08	5.28	32.75	-9.92	-0.83	-4.22	-4.22	-0.84	0.16
60	10	60	1.26	-0.32	-1.87	-0.47	-1.71	-0.46	0.21	0.03	0.21	0.03	2.67e-03
		68	0.90	-0.13	-0.87	-0.84	-0.16	-0.13	-0.03	-0.17	-0.17	-0.03	-4.95e-03
		69	1.10	0.68	-0.87	-0.29	0.10	0.75	-0.04	-0.20	-0.20	-0.04	8.03e-03
		61	1.87	0.20	-2.58	-0.31	-2.06	1.08	0.23	0.06	0.23	0.06	6.34e-03
60	11	60	23.53	33.17	1.94	4.95	30.16	9.21	-0.76	-3.84	-3.84	-0.77	-0.15
		68	14.58	9.51	-5.03	4.84	-0.36	6.79	3.75	0.72	3.73	0.74	0.26
		69	14.44	9.25	-4.87	4.67	-0.29	-6.61	3.78	0.73	3.76	0.75	-0.26
		61	23.47	32.91	1.91	4.83	29.99	-9.05	-0.76	-3.87	-3.86	-0.76	0.15
60	12	60	3.40	-0.50	-4.90	-0.93	-4.46	-1.32	0.56	0.10	0.56	0.10	0.02
		68	2.18	0.22	-1.68	-1.32	-0.14	-0.74	-0.10	-0.51	-0.50	-0.10	-0.03
		69	2.40	1.13	-1.74	-0.74	0.13	1.37	-0.10	-0.54	-0.54	-0.11	0.03
		61	3.99	7.52e-03	-5.60	-0.77	-4.82	1.94	0.58	0.13	0.58	0.13	-6.40e-03
60	13	60	25.67	36.19	2.12	5.41	32.91	10.06	-0.83	-4.19	-4.18	-0.84	-0.16
		68	15.92	10.39	-5.46	5.32	-0.38	7.39	4.09	0.79	4.06	0.81	0.28
		69	15.77	10.13	-5.33	5.12	-0.32	-7.24	4.13	0.80	4.10	0.82	-0.29
		61	25.63	35.96	2.08	5.28	32.75	-9.91	-0.83	-4.22	-4.22	-0.84	0.16
60	14	60	1.26	-0.31	-1.87	-0.47	-1.71	-0.47	0.21	0.03	0.21	0.03	2.64e-03
		68	0.90	-0.13	-0.87	-0.84	-0.16	-0.14	-0.03	-0.17	-0.17	-0.03	-4.96e-03
		69	1.09	0.67	-0.86	-0.29	0.10	0.74	-0.04	-0.20	-0.20	-0.04	8.02e-03
		61	1.86	0.20	-2.57	-0.31	-2.06	1.08	0.23	0.06	0.23	0.06	6.30e-03
60	15	60	23.52	33.16	1.94	4.95	30.16	9.20	-0.76	-3.84	-3.84	-0.77	-0.15
		68	14.58	9.50	-5.02	4.84	-0.36	6.78	3.75	0.72	3.73	0.74	0.26
		69	14.44	9.26	-4.88	4.67	-0.29	-6.62	3.78	0.73	3.76	0.75	-0.26
		61	23.47	32.91	1.91	4.83	29.99	-9.06	-0.76	-3.87	-3.86	-0.76	0.15
60	16	60	3.40	-0.50	-4.90	-0.93	-4.46	-1.31	0.56	0.10	0.56	0.10	0.02
		68	2.18	0.21	-1.67	-1.32	-0.14	-0.73	-0.10	-0.51	-0.50	-0.10	-0.03
		69	2.41	1.14	-1.75	-0.74	0.13	1.38	-0.10	-0.54	-0.54	-0.11	0.03
		61	3.99	0.01	-5.61	-0.77	-4.82	1.95	0.58	0.13	0.58	0.13	-6.37e-03
60	17	60	25.67	36.19	2.13	5.41	32.91	10.05	-0.83	-4.19	-4.18	-0.84	-0.16
		68	15.91	10.39	-5.45	5.32	-0.38	7.39	4.09	0.79	4.06	0.81	0.28
		69	15.78	10.14	-5.34	5.12	-0.32	-7.25	4.13	0.80	4.10	0.82	-0.29
		61	25.63	35.96	2.08	5.28	32.75	-9.92	-0.83	-4.22	-4.22	-0.84	0.16
60	18	60	1.26	-0.32	-1.87	-0.47	-1.71	-0.46	0.21	0.03	0.21	0.03	2.67e-03
		68	0.90	-0.13	-0.87	-0.84	-0.16	-0.13	-0.03	-0.17	-0.17	-0.03	-4.97e-03
		69	1.10	0.68	-0.87	-0.29	0.10	0.75	-0.04	-0.20	-0.20	-0.04	8.05e-03
		61	1.87	0.20	-2.58	-0.31	-2.06	1.08	0.23	0.06	0.23	0.06	6.35e-03
60	19	60	23.53	33.17	1.94	4.95	30.16	9.21	-0.76	-3.84	-3.84	-0.77	-0.15
		68	14.59	9.51	-5.03	4.84	-0.36	6.79	3.75	0.72	3.73	0.74	0.26
		69	14.44	9.25	-4.87	4.67	-0.29	-6.61	3.78	0.73	3.76	0.75	-0.26
		61	23.47	32.91	1.91	4.83	29.99	-9.05	-0.76	-3.87	-3.86	-0.76	0.15
60	20	60	3.40	-0.50	-4.90	-0.93	-4.46	-1.32	0.56	0.10	0.56	0.10	0.02
		68	2.18	0.22	-1.68	-1.32	-0.14	-0.74	-0.10	-0.51	-0.50	-0.10	-0.03
		69	2.40	1.13	-1.74	-0.74	0.13	1.37	-0.10	-0.54	-0.54	-0.11	0.03
		61	3.99	7.51e-03	-5.60	-0.77	-4.82	1.94	0.58	0.13	0.58	0.13	-6.41e-03
60	21	60	25.67	36.19	2.12	5.41	32.91	10.06	-0.83	-4.19	-4.18	-0.84	-0.16
		68	15.92	10.39	-5.46	5.32	-0.38	7.39	4.09	0.79	4.06	0.81	0.28
		69	15.77	10.13	-5.33	5.12	-0.32	-7.24	4.13	0.80	4.10	0.82	-0.29
		61	25.63	35.96	2.08	5.28	32.75	-9.91	-0.83	-4.22	-4.22	-0.84	0.16
60	22	60	1.26	-0.31	-1.87	-0.47	-1.71	-0.47	0.21	0.03	0.21	0.03	2.64e-03
		68	0.90	-0.13	-0.87	-0.84	-0.16	-0.14	-0.03	-0.17	-0.17	-0.03	-4.99e-03
		69	1.09	0.67	-0.86	-0.29	0.10	0.74	-0.04	-0.20	-0.20	-0.04	8.04e-03
		61	1.86	0.20	-2.57	-0.31	-2.06	1.08	0.23	0.06	0.23	0.06	6.31e-03
60	23	60	89.14	125.82	7.63	19.07	114.38	34.94	-2.85	-14.53	-14.51	-2.87	-0.56
		68	55.24	36.52	-17.92	19.59	-0.99	25.20	14.11	2.73	14.03	2.81	0.95
		69	55.42	36.28	-19.17	18.28	-1.17	-25.97	14.25	2.75	14.17	2.83	-0.97
		61	89.80	126.41	6.98	18.80	114.60	-35.66	-2.92	-14.67	-14.64	-2.95	0.53
60	24	60	0.70	-0.52	-1.06	-0.54	-1.04	-0.10	0.13	0.01	0.13	0.01	-1.36e-03
		68	0.74	-0.20	-0.98	-0.95	-0.23	0.15	-8.91e-03	-0.07	-0.07	-8.99e-03	-2.28e-03
		69	0.86	0.92	-0.44	0.24	0.24	0.68	-0.04	-0.16	-0.16	-0.04	0.01
		61	1.73	0.64	-1.94	0.13	-1.44	1.02	0.17	0.03	0.16	0.03	0.03
60	25	60	89.78	126.72	7.69	19.21	115.20	35.19	-2.87	-14.64	-14.61	-2.90	-0.56
		68	55.64	36.79	-18.04	19.74	-0.99	25.38	14.21	2.75	14.13	2.83	0.96
		69	55.82	36.55	-19.31	18.41	-1.18	-26.16	14.36	2.77	14.27	2.85	-0.97
		61	90.45	127.33	7.03	18.94	115.43	-35.92	-2.95	-14.77	-14.75	-2.97	0.54
60	26	60	0.35	-0.13	-0.49	-0.40	-0.22	0.15	0.03	-7.83e-03	0.03	-7.07e-03	-5.33e-03
		68	0.64	-0.08	-0.96	-0.81	-0.24	0.34	0.03	0.01	0.03	0.01	4.51e-03
		69	0.63	0.80	-0.20	0.37	0.23	0.49	-0.02	-0.06	-0.06	-0.02	3.63e-03

		61	1.16	0.71	-1.05	0.27	-0.61	0.76	0.08	-4.62e-03	0.06	0.01	0.03
60	27	60	89.14	125.82	7.63	19.07	114.38	34.94	-2.85	-14.53	-14.51	-2.87	-0.56
		68	55.24	36.52	-17.92	19.59	-0.99	25.20	14.11	2.73	14.03	2.81	0.95
		69	55.42	36.28	-19.17	18.28	-1.17	-25.97	14.25	2.75	14.17	2.83	-0.97
		61	89.80	126.41	6.98	18.80	114.60	-35.66	-2.92	-14.67	-14.64	-2.95	0.53
60	28	60	0.70	-0.52	-1.06	-0.54	-1.04	-0.10	0.13	0.01	0.13	0.01	-1.36e-03
		68	0.74	-0.20	-0.98	-0.95	-0.23	0.15	-8.91e-03	-0.07	-0.07	-8.99e-03	-2.28e-03
		69	0.86	0.92	-0.44	0.24	0.24	0.68	-0.04	-0.16	-0.16	-0.04	0.01
		61	1.73	0.64	-1.94	0.13	-1.44	1.02	0.17	0.03	0.16	0.03	0.03
60	29	60	89.78	126.72	7.69	19.21	115.20	35.19	-2.87	-14.64	-14.61	-2.90	-0.56
		68	55.64	36.79	-18.04	19.74	-0.99	25.38	14.21	2.75	14.13	2.83	0.96
		69	55.82	36.55	-19.31	18.41	-1.18	-26.16	14.36	2.77	14.27	2.85	-0.97
		61	90.45	127.33	7.03	18.94	115.43	-35.92	-2.95	-14.77	-14.75	-2.97	0.54
60	30	60	0.35	-0.13	-0.49	-0.40	-0.22	0.15	0.03	-7.83e-03	0.03	-7.07e-03	-5.33e-03
		68	0.64	-0.08	-0.96	-0.81	-0.24	0.34	0.03	0.01	0.03	0.01	4.50e-03
		69	0.63	0.80	-0.20	0.37	0.23	0.49	-0.02	-0.06	-0.06	-0.02	3.64e-03
		61	1.16	0.71	-1.05	0.27	-0.61	0.76	0.08	-4.62e-03	0.06	0.01	0.03
60	31	60	89.15	125.82	7.61	19.07	114.37	34.97	-2.85	-14.53	-14.51	-2.87	-0.56
		68	55.26	36.55	-17.94	19.59	-0.99	25.22	14.11	2.73	14.03	2.81	0.95
		69	55.40	36.26	-19.15	18.28	-1.17	-25.94	14.25	2.75	14.17	2.83	-0.97
		61	89.79	126.40	7.00	18.80	114.60	-35.63	-2.93	-14.67	-14.64	-2.95	0.53
60	32	60	0.71	-0.51	-1.06	-0.54	-1.03	-0.13	0.13	0.01	0.13	0.01	-1.49e-03
		68	0.73	-0.21	-0.97	-0.95	-0.23	0.13	-8.83e-03	-0.07	-0.07	-8.92e-03	-2.32e-03
		69	0.83	0.89	-0.42	0.24	0.24	0.65	-0.04	-0.16	-0.16	-0.04	0.01
		61	1.71	0.62	-1.93	0.14	-1.45	1.00	0.17	0.03	0.17	0.03	0.03
60	33	60	89.79	126.73	7.67	19.20	115.20	35.22	-2.87	-14.64	-14.61	-2.90	-0.56
		68	55.66	36.81	-18.07	19.74	-0.99	25.41	14.21	2.75	14.13	2.83	0.96
		69	55.80	36.52	-19.29	18.41	-1.18	-26.13	14.36	2.77	14.27	2.85	-0.97
		61	90.44	127.32	7.05	18.93	115.43	-35.89	-2.95	-14.77	-14.75	-2.97	0.54
60	34	60	0.34	-0.15	-0.46	-0.40	-0.21	0.13	0.03	-7.78e-03	0.03	-6.99e-03	-5.46e-03
		68	0.62	-0.10	-0.94	-0.81	-0.24	0.31	0.03	0.01	0.03	0.01	4.48e-03
		69	0.60	0.77	-0.17	0.37	0.23	0.47	-0.02	-0.06	-0.06	-0.02	3.60e-03
		61	1.14	0.69	-1.03	0.28	-0.62	0.74	0.08	-4.19e-03	0.06	0.01	0.03
60	35	60	89.15	125.82	7.61	19.07	114.37	34.97	-2.85	-14.53	-14.51	-2.87	-0.56
		68	55.26	36.55	-17.94	19.59	-0.99	25.22	14.11	2.73	14.03	2.81	0.95
		69	55.40	36.26	-19.15	18.28	-1.17	-25.94	14.25	2.75	14.17	2.83	-0.97
		61	89.79	126.40	7.00	18.80	114.60	-35.63	-2.93	-14.67	-14.64	-2.95	0.53
60	36	60	0.71	-0.51	-1.06	-0.54	-1.03	-0.13	0.13	0.01	0.13	0.01	-1.49e-03
		68	0.73	-0.21	-0.97	-0.95	-0.23	0.13	-8.83e-03	-0.07	-0.07	-8.92e-03	-2.31e-03
		69	0.83	0.89	-0.42	0.24	0.24	0.65	-0.04	-0.16	-0.16	-0.04	0.01
		61	1.71	0.62	-1.93	0.14	-1.45	1.00	0.17	0.03	0.17	0.03	0.03
60	37	60	89.79	126.73	7.67	19.20	115.20	35.22	-2.87	-14.64	-14.61	-2.90	-0.56
		68	55.66	36.81	-18.07	19.74	-0.99	25.41	14.21	2.75	14.13	2.83	0.96
		69	55.80	36.52	-19.29	18.41	-1.18	-26.13	14.36	2.77	14.27	2.85	-0.97
		61	90.44	127.32	7.05	18.93	115.43	-35.89	-2.95	-14.77	-14.75	-2.97	0.54
60	38	60	0.34	-0.15	-0.46	-0.40	-0.21	0.13	0.03	-7.78e-03	0.03	-6.99e-03	-5.46e-03
		68	0.62	-0.10	-0.94	-0.81	-0.24	0.31	0.03	0.01	0.03	0.01	4.47e-03
		69	0.60	0.77	-0.17	0.37	0.23	0.47	-0.02	-0.06	-0.06	-0.02	3.61e-03
		61	1.14	0.69	-1.03	0.28	-0.62	0.74	0.08	-4.19e-03	0.06	0.01	0.03
60	39	60	0.29	0.34	-0.07	-0.06	0.33	0.08	-0.02	-0.06	-0.06	-0.02	-6.92e-03
		68	0.45	8.14e-03	-0.54	-0.39	-0.14	0.24	0.08	0.01	0.08	0.01	0.01
		69	0.41	0.17	-0.31	-0.15	0.02	0.23	0.08	0.02	0.07	0.02	-0.01
		61	0.48	0.31	-0.42	-0.13	0.02	0.36	0.01	-0.05	-0.04	9.14e-03	7.61e-03
60	40	60	0.30	0.36	-0.09	-0.06	0.32	0.12	-0.02	-0.06	-0.06	-0.02	-6.80e-03
		68	0.47	0.04	-0.58	-0.39	-0.14	0.28	0.08	0.01	0.08	0.01	0.01
		69	0.43	0.22	-0.34	-0.14	0.02	0.27	0.08	0.02	0.07	0.02	-0.01
		61	0.52	0.35	-0.45	-0.11	0.01	0.40	0.01	-0.05	-0.05	8.95e-03	7.70e-03
60	41	60	0.29	0.34	-0.07	-0.06	0.33	0.08	-0.02	-0.06	-0.06	-0.02	-6.91e-03
		68	0.45	8.16e-03	-0.54	-0.39	-0.14	0.24	0.08	0.01	0.08	0.01	0.01
		69	0.41	0.17	-0.31	-0.15	0.02	0.23	0.08	0.02	0.07	0.02	-0.01
		61	0.48	0.31	-0.42	-0.13	0.02	0.36	0.01	-0.05	-0.04	9.13e-03	7.61e-03
60	42	60	0.30	0.36	-0.09	-0.06	0.32	0.12	-0.02	-0.06	-0.06	-0.02	-6.79e-03
		68	0.47	0.04	-0.58	-0.39	-0.14	0.28	0.08	0.01	0.08	0.01	0.01
		69	0.43	0.22	-0.34	-0.14	0.02	0.27	0.08	0.02	0.07	0.02	-0.01
		61	0.52	0.35	-0.45	-0.11	0.01	0.40	0.01	-0.05	-0.05	8.93e-03	7.70e-03
60	43	60	0.29	0.34	-0.07	-0.06	0.33	0.08	-0.02	-0.06	-0.06	-0.02	-6.91e-03
		68	0.45	0.01	-0.54	-0.39	-0.14	0.25	0.08	0.01	0.08	0.01	0.01
		69	0.41	0.18	-0.31	-0.15	0.02	0.23	0.08	0.02	0.07	0.02	-0.01
		61	0.48	0.31	-0.42	-0.13	0.02	0.36	0.01	-0.05	-0.04	9.12e-03	7.63e-03
60	44	60	0.30	0.35	-0.09	-0.06	0.32	0.11	-0.02	-0.06	-0.06	-0.02	-6.82e-03
		68	0.47	0.04	-0.57	-0.39	-0.14	0.28	0.08	0.01	0.08	0.01	0.01
		69	0.43	0.22	-0.33	-0.14	0.02	0.26	0.08	0.02	0.07	0.02	-0.01
		61	0.52	0.35	-0.45	-0.11	0.01	0.39	0.01	-0.05	-0.05	8.97e-03	7.69e-03
60	45	60	0.29	0.34	-0.07	-0.06	0.33	0.08	-0.02	-0.06	-0.06	-0.02	-6.89e-03
		68	0.45	0.01	-0.54	-0.39	-0.14	0.25	0.08	0.01	0.08	0.01	0.01
		69	0.41	0.18	-0.31	-0.15	0.02	0.23	0.08	0.02	0.07	0.02	-0.01
		61	0.48	0.31	-0.42	-0.13	0.02	0.36	0.01	-0.05	-0.04	9.11e-03	7.63e-03



		68	0.43	-0.02	-0.51	-0.39	-0.14	0.21	0.08	0.01	0.08	0.01	0.01
		69	0.38	0.13	-0.29	-0.17	0.01	0.19	0.08	0.02	0.07	0.02	-0.01
		61	0.45	0.27	-0.39	-0.14	0.02	0.32	0.01	-0.04	-0.04	9.29e-03	7.56e-03
60	66	60	0.32	0.38	-0.11	-0.06	0.32	0.15	-0.02	-0.06	-0.06	-0.02	-6.70e-03
		68	0.50	0.08	-0.61	-0.39	-0.14	0.32	0.08	0.01	0.08	0.01	0.01
		69	0.46	0.26	-0.36	-0.12	0.02	0.30	0.07	0.02	0.07	0.02	-0.01
		61	0.55	0.39	-0.48	-0.10	0.01	0.43	9.85e-03	-0.05	-0.05	8.78e-03	7.75e-03
60	67	60	0.29	0.33	-0.06	-0.06	0.33	0.04	-0.02	-0.06	-0.05	-0.02	-7.01e-03
		68	0.43	-0.02	-0.51	-0.39	-0.14	0.21	0.08	0.01	0.08	0.01	0.01
		69	0.38	0.13	-0.29	-0.17	0.01	0.19	0.08	0.02	0.07	0.02	-0.01
		61	0.45	0.27	-0.39	-0.14	0.02	0.32	0.01	-0.04	-0.04	9.29e-03	7.56e-03
60	68	60	0.32	0.38	-0.11	-0.06	0.32	0.15	-0.02	-0.06	-0.06	-0.02	-6.71e-03
		68	0.50	0.08	-0.61	-0.39	-0.14	0.32	0.08	0.01	0.08	0.01	0.01
		69	0.46	0.26	-0.36	-0.12	0.02	0.30	0.07	0.02	0.07	0.02	-0.01
		61	0.55	0.39	-0.48	-0.10	0.01	0.43	9.86e-03	-0.05	-0.05	8.79e-03	7.75e-03
60	69	60	0.29	0.33	-0.06	-0.06	0.33	0.04	-0.02	-0.06	-0.05	-0.02	-7.00e-03
		68	0.43	-0.02	-0.51	-0.39	-0.14	0.21	0.08	0.01	0.08	0.01	0.01
		69	0.38	0.13	-0.29	-0.17	0.01	0.19	0.08	0.02	0.07	0.02	-0.01
		61	0.45	0.27	-0.39	-0.14	0.02	0.32	0.01	-0.04	-0.04	9.29e-03	7.57e-03
60	70	60	0.32	0.38	-0.11	-0.06	0.32	0.15	-0.02	-0.06	-0.06	-0.02	-6.70e-03
		68	0.50	0.08	-0.61	-0.39	-0.14	0.32	0.08	0.01	0.08	0.01	0.01
		69	0.46	0.26	-0.36	-0.12	0.02	0.30	0.07	0.02	0.07	0.02	-0.01
		61	0.55	0.39	-0.48	-0.10	0.01	0.43	9.85e-03	-0.05	-0.05	8.78e-03	7.75e-03
60	71	60	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		68	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
		69	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		61	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
60	72	60	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		68	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
		69	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		61	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
60	73	60	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		68	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
		69	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		61	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
60	74	60	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		68	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
		69	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		61	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
60	75	60	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		68	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
		69	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		61	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
60	76	60	0.30	0.35	-0.08	-0.06	0.32	0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		68	0.46	0.03	-0.56	-0.39	-0.14	0.26	0.08	0.01	0.08	0.01	0.01
		69	0.42	0.20	-0.32	-0.14	0.02	0.25	0.08	0.02	0.07	0.02	-0.01
		61	0.50	0.33	-0.44	-0.12	0.02	0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
61	1	61	0.89	1.04	-0.42	0.03	0.58	0.68	-0.05	-0.05	-0.05	-0.05	-2.13e-03
		69	0.99	0.39	-1.28	-0.59	-0.30	0.82	0.05	-1.16e-03	0.05	1.71e-04	8.38e-03
		70	0.94	1.07	-0.56	0.29	0.23	0.81	0.03	0.02	0.03	0.02	-5.65e-03
		62	0.97	0.58	-1.12	-0.13	-0.40	0.84	0.05	-7.42e-03	-6.63e-03	0.05	6.53e-03
61	2	61	0.89	1.04	-0.42	0.03	0.58	0.68	-0.05	-0.05	-0.05	-0.05	-2.13e-03
		69	0.99	0.39	-1.28	-0.59	-0.30	0.82	0.05	-1.16e-03	0.05	1.71e-04	8.38e-03
		70	0.94	1.07	-0.56	0.29	0.23	0.81	0.03	0.02	0.03	0.02	-5.65e-03
		62	0.97	0.58	-1.12	-0.13	-0.40	0.84	0.05	-7.42e-03	-6.63e-03	0.05	6.53e-03
61	3	61	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		69	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
61	4	61	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		69	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
61	5	61	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		69	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
61	6	61	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		69	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
61	7	61	23.74	33.55	1.74	4.94	30.35	9.58	-0.78	-3.84	-3.83	-0.79	-0.15
		69	14.75	9.66	-5.55	4.60	-0.49	7.16	3.75	0.72	3.73	0.74	0.26
		70	14.22	9.02	-4.36	4.84	-0.19	-6.20	3.78	0.74	3.75	0.76	-0.26
		62	23.19	32.45	2.03	4.75	29.73	-8.68	-0.73	-3.85	-3.84	-0.74	0.15
61	8	61	3.55	-0.33	-4.76	-0.68	-4.41	-1.19	0.65	0.08	0.64	0.09	0.05
		69	1.95	0.14	-0.94	-0.65	-0.15	-0.48	-0.13	-0.64	-0.64	-0.13	-0.02

		70	2.98	1.15	-2.84	-1.76	0.07	1.77	-0.10	-0.47	-0.47	-0.10	-1.02e-03
		62	4.47	-2.68e-03	-6.24	-1.10	-5.15	2.37	0.53	0.20	0.52	0.22	-0.07
61	9	61	25.89	36.58	1.92	5.40	33.10	10.41	-0.85	-4.19	-4.18	-0.86	-0.17
		69	16.08	10.53	-5.98	5.07	-0.52	7.77	4.09	0.78	4.07	0.81	0.28
		70	15.55	9.88	-4.83	5.27	-0.22	-6.83	4.12	0.80	4.10	0.83	-0.29
		62	25.36	35.50	2.20	5.20	32.50	-9.54	-0.81	-4.20	-4.19	-0.81	0.16
61	10	61	1.43	-0.14	-1.74	-0.23	-1.66	-0.36	0.30	0.01	0.29	0.02	0.03
		69	0.79	-0.05	-0.30	-0.18	-0.18	0.12	-0.06	-0.30	-0.30	-0.06	2.51e-03
		70	1.65	0.69	-1.98	-1.33	0.04	1.15	-0.02	-0.14	-0.13	-0.03	-0.02
		62	2.55	0.23	-3.26	-0.65	-2.38	1.52	0.21	0.10	0.16	0.15	-0.06
61	11	61	23.74	33.55	1.73	4.94	30.34	9.58	-0.78	-3.84	-3.83	-0.79	-0.15
		69	14.76	9.66	-5.55	4.60	-0.49	7.17	3.75	0.72	3.73	0.74	0.26
		70	14.21	9.01	-4.36	4.84	-0.19	-6.20	3.78	0.74	3.75	0.76	-0.26
		62	23.19	32.45	2.03	4.75	29.73	-8.68	-0.73	-3.85	-3.84	-0.74	0.15
61	12	61	3.55	-0.33	-4.76	-0.68	-4.41	-1.20	0.65	0.08	0.64	0.09	0.05
		69	1.95	0.14	-0.94	-0.65	-0.15	-0.48	-0.13	-0.64	-0.64	-0.13	-0.02
		70	2.97	1.15	-2.84	-1.76	0.07	1.77	-0.10	-0.47	-0.47	-0.10	-1.02e-03
		62	4.46	-3.02e-03	-6.24	-1.10	-5.15	2.37	0.53	0.20	0.52	0.22	-0.07
61	13	61	25.89	36.57	1.92	5.39	33.10	10.42	-0.85	-4.19	-4.18	-0.86	-0.17
		69	16.09	10.53	-5.98	5.07	-0.52	7.77	4.09	0.78	4.07	0.81	0.28
		70	15.55	9.88	-4.83	5.27	-0.22	-6.82	4.12	0.80	4.10	0.83	-0.29
		62	25.35	35.50	2.20	5.20	32.49	-9.54	-0.81	-4.20	-4.20	-0.81	0.16
61	14	61	1.43	-0.14	-1.74	-0.23	-1.65	-0.36	0.30	0.01	0.29	0.02	0.03
		69	0.79	-0.06	-0.30	-0.18	-0.18	0.12	-0.06	-0.30	-0.30	-0.06	2.50e-03
		70	1.65	0.69	-1.98	-1.33	0.04	1.14	-0.02	-0.14	-0.13	-0.03	-0.02
		62	2.54	0.23	-3.25	-0.65	-2.38	1.51	0.21	0.10	0.16	0.15	-0.06
61	15	61	23.74	33.55	1.74	4.94	30.35	9.58	-0.78	-3.84	-3.83	-0.79	-0.15
		69	14.75	9.66	-5.55	4.60	-0.49	7.16	3.75	0.72	3.73	0.74	0.26
		70	14.22	9.02	-4.36	4.84	-0.19	-6.20	3.78	0.74	3.75	0.76	-0.26
		62	23.19	32.45	2.03	4.75	29.73	-8.68	-0.73	-3.85	-3.84	-0.74	0.15
61	16	61	3.55	-0.33	-4.76	-0.68	-4.41	-1.19	0.65	0.08	0.64	0.09	0.05
		69	1.95	0.14	-0.94	-0.65	-0.15	-0.48	-0.13	-0.64	-0.64	-0.13	-0.02
		70	2.98	1.15	-2.84	-1.76	0.07	1.77	-0.10	-0.47	-0.47	-0.10	-1.02e-03
		62	4.47	-2.66e-03	-6.24	-1.10	-5.15	2.37	0.53	0.20	0.52	0.22	-0.07
61	17	61	25.89	36.58	1.92	5.40	33.10	10.41	-0.85	-4.19	-4.18	-0.86	-0.17
		69	16.08	10.53	-5.98	5.07	-0.52	7.77	4.09	0.78	4.07	0.81	0.28
		70	15.55	9.88	-4.83	5.27	-0.22	-6.83	4.12	0.80	4.10	0.83	-0.29
		62	25.36	35.50	2.20	5.20	32.50	-9.54	-0.81	-4.20	-4.19	-0.81	0.16
61	18	61	1.43	-0.14	-1.74	-0.23	-1.66	-0.36	0.30	0.01	0.29	0.02	0.03
		69	0.79	-0.05	-0.30	-0.18	-0.18	0.12	-0.06	-0.30	-0.30	-0.06	2.53e-03
		70	1.65	0.69	-1.98	-1.33	0.04	1.15	-0.02	-0.14	-0.13	-0.03	-0.02
		62	2.55	0.23	-3.26	-0.65	-2.38	1.52	0.21	0.10	0.16	0.15	-0.06
61	19	61	23.74	33.55	1.73	4.94	30.34	9.58	-0.78	-3.84	-3.83	-0.79	-0.15
		69	14.76	9.66	-5.55	4.60	-0.49	7.17	3.75	0.72	3.73	0.74	0.26
		70	14.21	9.01	-4.36	4.84	-0.19	-6.20	3.78	0.74	3.75	0.76	-0.26
		62	23.19	32.45	2.03	4.75	29.73	-8.68	-0.73	-3.85	-3.84	-0.74	0.15
61	20	61	3.55	-0.33	-4.76	-0.68	-4.41	-1.20	0.65	0.08	0.64	0.09	0.05
		69	1.95	0.14	-0.94	-0.65	-0.15	-0.48	-0.13	-0.64	-0.64	-0.13	-0.02
		70	2.97	1.15	-2.84	-1.76	0.07	1.77	-0.10	-0.47	-0.47	-0.10	-1.02e-03
		62	4.46	-3.00e-03	-6.24	-1.10	-5.15	2.37	0.53	0.20	0.52	0.22	-0.07
61	21	61	25.89	36.57	1.92	5.39	33.10	10.42	-0.85	-4.19	-4.18	-0.86	-0.17
		69	16.09	10.53	-5.98	5.07	-0.52	7.77	4.09	0.78	4.07	0.81	0.28
		70	15.55	9.88	-4.83	5.27	-0.22	-6.82	4.12	0.80	4.10	0.83	-0.29
		62	25.35	35.50	2.20	5.20	32.49	-9.54	-0.81	-4.20	-4.20	-0.81	0.16
61	22	61	1.43	-0.14	-1.74	-0.23	-1.65	-0.36	0.30	0.01	0.29	0.02	0.03
		69	0.79	-0.06	-0.30	-0.18	-0.18	0.12	-0.06	-0.30	-0.30	-0.06	2.52e-03
		70	1.65	0.69	-1.98	-1.33	0.04	1.14	-0.02	-0.14	-0.13	-0.03	-0.02
		62	2.54	0.23	-3.25	-0.65	-2.38	1.51	0.21	0.10	0.16	0.15	-0.06
61	23	61	89.48	126.22	7.33	18.82	114.73	35.14	-2.87	-14.57	-14.54	-2.90	-0.59
		69	55.45	36.33	-18.70	18.88	-1.24	25.61	14.22	2.75	14.14	2.83	0.97
		70	55.12	35.52	-18.84	17.88	-1.20	-25.45	14.37	2.78	14.28	2.86	-0.99
		62	89.61	125.92	7.07	18.47	114.52	-34.99	-2.91	-14.70	-14.67	-2.94	0.56
61	24	61	1.52	0.44	-1.49	0.07	-1.13	-0.76	0.39	-2.41e-03	0.37	0.02	0.09
		69	1.93	1.39	-0.12	1.37	-0.11	0.13	-0.06	-0.44	-0.44	-0.07	0.04
		70	3.49	-0.03	-4.42	-4.11	-0.34	1.12	0.25	-0.05	0.19	7.38e-03	-0.12
		62	3.28	0.50	-3.28	-1.03	-1.75	1.86	0.33	-0.21	-0.15	0.27	-0.17
61	25	61	90.12	127.13	7.38	18.96	115.55	35.39	-2.89	-14.68	-14.65	-2.92	-0.59
		69	55.85	36.59	-18.82	19.02	-1.25	25.79	14.33	2.77	14.24	2.85	0.98
		70	55.52	35.78	-18.98	18.01	-1.21	-25.64	14.47	2.80	14.38	2.88	-1.00
		62	90.26	126.83	7.12	18.60	115.35	-35.25	-2.93	-14.80	-14.78	-2.96	0.57
61	26	61	1.03	0.52	-0.61	0.21	-0.30	-0.51	0.29	-0.03	0.27	-3.66e-03	0.08
		69	1.79	1.57	-0.17	1.51	-0.11	0.31	-0.04	-0.34	-0.33	-0.05	0.05
		70	3.54	-0.12	-4.21	-3.98	-0.35	0.93	0.34	-0.02	0.29	0.03	-0.13
		62	2.81	0.69	-2.51	-0.89	-0.92	1.60	0.30	-0.31	-0.25	0.25	-0.17
61	27	61	89.48	126.22	7.33	18.82	114.73	35.14	-2.87	-14.57	-14.54	-2.90	-0.59
		69	55.45	36.33	-18.70	18.88	-1.24	25.61	14.22	2.75	14.14	2.83	0.97
		70	55.12	35.52	-18.84	17.88	-1.20	-25.45	14.37	2.78	14.28	2.86	-0.99

		62	89.61	125.92	7.07	18.47	114.52	-34.99	-2.91	-14.70	-14.67	-2.94	0.56
61	28	61	1.52	0.44	-1.49	0.07	-1.13	-0.76	0.39	-2.41e-03	0.37	0.02	0.09
		69	1.93	1.39	-0.12	1.37	-0.11	0.13	-0.06	-0.44	-0.44	-0.07	0.04
		70	3.49	-0.03	-4.42	-4.11	-0.34	1.12	0.25	-0.05	0.19	7.38e-03	-0.12
		62	3.28	0.50	-3.28	-1.03	-1.75	1.86	0.33	-0.21	-0.15	0.27	-0.17
61	29	61	90.12	127.13	7.38	18.96	115.55	35.39	-2.89	-14.68	-14.65	-2.92	-0.59
		69	55.85	36.59	-18.82	19.02	-1.25	25.79	14.33	2.77	14.24	2.85	0.98
		70	55.52	35.78	-18.98	18.01	-1.21	-25.64	14.47	2.80	14.38	2.88	-1.00
		62	90.26	126.83	7.12	18.60	115.35	-35.25	-2.93	-14.80	-14.78	-2.96	0.57
61	30	61	1.03	0.52	-0.61	0.21	-0.30	-0.51	0.29	-0.03	0.27	-3.66e-03	0.08
		69	1.79	1.57	-0.17	1.51	-0.11	0.31	-0.04	-0.34	-0.33	-0.05	0.05
		70	3.54	-0.12	-4.21	-3.98	-0.35	0.93	0.34	-0.02	0.29	0.03	-0.13
		62	2.81	0.69	-2.51	-0.89	-0.92	1.60	0.30	-0.31	-0.25	0.25	-0.17
61	31	61	89.48	126.22	7.31	18.82	114.71	35.15	-2.87	-14.57	-14.54	-2.90	-0.59
		69	55.46	36.34	-18.71	18.88	-1.24	25.62	14.22	2.75	14.14	2.83	0.97
		70	55.11	35.51	-18.83	17.88	-1.20	-25.44	14.36	2.78	14.28	2.86	-0.99
		62	89.60	125.89	7.07	18.46	114.51	-34.98	-2.91	-14.70	-14.67	-2.94	0.56
61	32	61	1.53	0.46	-1.49	0.08	-1.11	-0.77	0.39	-2.11e-03	0.37	0.02	0.09
		69	1.92	1.39	-0.12	1.38	-0.11	0.12	-0.06	-0.44	-0.43	-0.07	0.04
		70	3.49	-0.03	-4.41	-4.11	-0.34	1.11	0.25	-0.05	0.19	7.72e-03	-0.12
		62	3.27	0.50	-3.26	-1.02	-1.73	1.85	0.33	-0.21	-0.15	0.27	-0.17
61	33	61	90.12	127.12	7.37	18.95	115.54	35.40	-2.89	-14.68	-14.65	-2.92	-0.59
		69	55.85	36.60	-18.84	19.02	-1.25	25.80	14.32	2.77	14.24	2.85	0.98
		70	55.51	35.77	-18.97	18.01	-1.21	-25.63	14.47	2.80	14.38	2.88	-1.00
		62	90.25	126.81	7.12	18.60	115.34	-35.24	-2.93	-14.80	-14.78	-2.96	0.57
61	34	61	1.04	0.54	-0.61	0.22	-0.28	-0.52	0.29	-0.03	0.27	-3.44e-03	0.08
		69	1.79	1.57	-0.17	1.52	-0.11	0.30	-0.04	-0.34	-0.33	-0.05	0.05
		70	3.53	-0.13	-4.20	-3.98	-0.35	0.92	0.34	-0.02	0.29	0.03	-0.13
		62	2.79	0.69	-2.48	-0.89	-0.90	1.59	0.30	-0.30	-0.25	0.25	-0.17
61	35	61	89.48	126.22	7.31	18.82	114.71	35.15	-2.87	-14.57	-14.54	-2.90	-0.59
		69	55.46	36.34	-18.71	18.88	-1.24	25.62	14.22	2.75	14.14	2.83	0.97
		70	55.11	35.51	-18.83	17.88	-1.20	-25.44	14.36	2.78	14.28	2.86	-0.99
		62	89.60	125.89	7.07	18.46	114.51	-34.98	-2.91	-14.70	-14.67	-2.94	0.56
61	36	61	1.53	0.46	-1.49	0.08	-1.11	-0.77	0.39	-2.10e-03	0.37	0.02	0.09
		69	1.92	1.39	-0.12	1.38	-0.11	0.12	-0.06	-0.44	-0.43	-0.07	0.04
		70	3.49	-0.03	-4.41	-4.11	-0.34	1.11	0.25	-0.05	0.19	7.72e-03	-0.12
		62	3.27	0.50	-3.26	-1.02	-1.73	1.85	0.33	-0.21	-0.15	0.27	-0.17
61	37	61	90.12	127.12	7.37	18.95	115.54	35.40	-2.89	-14.68	-14.65	-2.92	-0.59
		69	55.85	36.60	-18.84	19.02	-1.25	25.80	14.32	2.77	14.24	2.85	0.98
		70	55.51	35.77	-18.97	18.01	-1.21	-25.63	14.47	2.80	14.38	2.88	-1.00
		62	90.25	126.81	7.12	18.60	115.34	-35.24	-2.93	-14.80	-14.78	-2.96	0.57
61	38	61	1.04	0.54	-0.61	0.22	-0.28	-0.52	0.29	-0.03	0.27	-3.44e-03	0.08
		69	1.79	1.57	-0.17	1.52	-0.11	0.30	-0.04	-0.34	-0.33	-0.05	0.05
		70	3.53	-0.13	-4.20	-3.98	-0.35	0.92	0.34	-0.02	0.29	0.03	-0.13
		62	2.79	0.69	-2.48	-0.89	-0.90	1.59	0.30	-0.30	-0.25	0.25	-0.17
61	39	61	0.68	0.79	-0.32	0.02	0.45	0.51	-0.04	-0.04	-0.04	-0.04	-1.67e-03
		69	0.75	0.29	-0.98	-0.46	-0.23	0.62	0.04	-6.91e-04	0.04	3.07e-04	6.43e-03
		70	0.71	0.81	-0.42	0.21	0.17	0.62	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.74	0.43	-0.85	-0.11	-0.31	0.64	0.04	-4.77e-03	-4.15e-03	0.04	5.01e-03
61	40	61	0.69	0.81	-0.33	0.03	0.45	0.53	-0.04	-0.04	-0.04	-0.04	-1.59e-03
		69	0.77	0.31	-0.99	-0.44	-0.23	0.64	0.04	-1.09e-03	0.04	-4.16e-05	6.47e-03
		70	0.73	0.84	-0.43	0.23	0.18	0.63	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.76	0.46	-0.86	-0.10	-0.31	0.65	0.04	-6.63e-03	-6.03e-03	0.04	5.05e-03
61	41	61	0.68	0.79	-0.32	0.02	0.45	0.51	-0.04	-0.04	-0.04	-0.04	-1.60e-03
		69	0.75	0.29	-0.98	-0.46	-0.23	0.62	0.04	-6.92e-04	0.04	3.04e-04	6.42e-03
		70	0.71	0.81	-0.42	0.21	0.17	0.62	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.74	0.43	-0.85	-0.11	-0.31	0.64	0.04	-4.79e-03	-4.17e-03	0.04	5.00e-03
61	42	61	0.69	0.81	-0.33	0.03	0.45	0.53	-0.04	-0.04	-0.04	-0.04	-1.60e-03
		69	0.77	0.31	-0.98	-0.44	-0.23	0.64	0.04	-1.09e-03	0.04	-4.45e-05	6.46e-03
		70	0.73	0.84	-0.43	0.23	0.18	0.63	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.76	0.46	-0.86	-0.09	-0.31	0.65	0.04	-6.65e-03	-6.05e-03	0.04	5.04e-03
61	43	61	0.68	0.79	-0.32	0.02	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.66e-03
		69	0.76	0.29	-0.98	-0.46	-0.23	0.63	0.04	-7.26e-04	0.04	2.76e-04	6.43e-03
		70	0.71	0.81	-0.43	0.21	0.17	0.62	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.74	0.43	-0.85	-0.11	-0.31	0.64	0.04	-4.95e-03	-4.34e-03	0.04	5.01e-03
61	44	61	0.69	0.81	-0.33	0.03	0.45	0.53	-0.04	-0.04	-0.04	-0.04	-1.59e-03
		69	0.76	0.31	-0.98	-0.44	-0.23	0.64	0.04	-1.05e-03	0.04	-1.01e-05	6.47e-03
		70	0.73	0.84	-0.43	0.23	0.18	0.63	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.76	0.46	-0.86	-0.09	-0.31	0.65	0.04	-6.45e-03	-5.84e-03	0.04	5.05e-03
61	45	61	0.68	0.79	-0.32	0.02	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.68e-03
		69	0.76	0.29	-0.98	-0.46	-0.23	0.63	0.04	-7.27e-04	0.04	2.73e-04	6.47e-03
		70	0.71	0.81	-0.43	0.21	0.17	0.62	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.74	0.43	-0.85	-0.11	-0.31	0.64	0.04	-4.97e-03	-4.36e-03	0.04	5.00e-03
61	46	61	0.69	0.81	-0.33	0.03	0.45	0.53	-0.04	-0.04	-0.04	-0.04	-1.61e-03
		69	0.76	0.31	-0.98	-0.44	-0.23	0.64	0.04	-1.05e-03	0.04	-1.31e-05	6.46e-03
		70	0.73	0.84	-0.43	0.23	0.18	0.63	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.76	0.46	-0.86	-0.09	-0.31	0.65	0.04	-6.47e-03	-5.86e-03	0.04	5.04e-03

61	47	61	0.68	0.79	-0.32	0.02	0.45	0.51	-0.04	-0.04	-0.04	-0.04	-1.68e-03
		69	0.75	0.29	-0.98	-0.46	-0.23	0.62	0.04	-6.88e-04	0.04	3.07e-04	6.42e-03
		70	0.71	0.81	-0.42	0.21	0.17	0.62	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.74	0.43	-0.85	-0.11	-0.31	0.64	0.04	-4.77e-03	-4.15e-03	0.04	5.00e-03
61	48	61	0.69	0.81	-0.33	0.03	0.45	0.53	-0.04	-0.04	-0.04	-0.04	-1.60e-03
		69	0.77	0.31	-0.99	-0.44	-0.23	0.64	0.04	-1.08e-03	0.04	-4.15e-05	6.46e-03
		70	0.73	0.84	-0.43	0.23	0.18	0.63	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.76	0.46	-0.86	-0.10	-0.31	0.65	0.04	-6.63e-03	-6.03e-03	0.04	5.04e-03
61	49	61	0.68	0.79	-0.32	0.02	0.45	0.51	-0.04	-0.04	-0.04	-0.04	-1.67e-03
		69	0.75	0.29	-0.98	-0.46	-0.23	0.62	0.04	-6.94e-04	0.04	3.04e-04	6.43e-03
		70	0.71	0.81	-0.42	0.21	0.17	0.62	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.74	0.43	-0.85	-0.11	-0.31	0.64	0.04	-4.79e-03	-4.17e-03	0.04	5.01e-03
61	50	61	0.69	0.81	-0.33	0.03	0.45	0.53	-0.04	-0.04	-0.04	-0.04	-1.59e-03
		69	0.77	0.31	-0.98	-0.44	-0.23	0.64	0.04	-1.09e-03	0.04	-4.46e-05	6.47e-03
		70	0.73	0.84	-0.43	0.23	0.18	0.63	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.76	0.46	-0.86	-0.09	-0.31	0.65	0.04	-6.65e-03	-6.05e-03	0.04	5.05e-03
61	51	61	0.68	0.79	-0.32	0.02	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.68e-03
		69	0.76	0.29	-0.98	-0.46	-0.23	0.63	0.04	-7.24e-04	0.04	2.76e-04	6.43e-03
		70	0.71	0.81	-0.43	0.21	0.17	0.62	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.74	0.43	-0.85	-0.11	-0.31	0.64	0.04	-4.95e-03	-4.34e-03	0.04	5.00e-03
61	52	61	0.69	0.81	-0.33	0.03	0.45	0.53	-0.04	-0.04	-0.04	-0.04	-1.61e-03
		69	0.76	0.31	-0.98	-0.44	-0.23	0.64	0.04	-1.05e-03	0.04	-1.01e-05	6.46e-03
		70	0.73	0.84	-0.43	0.23	0.18	0.63	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.76	0.46	-0.86	-0.09	-0.31	0.65	0.04	-6.45e-03	-5.84e-03	0.04	5.04e-03
61	53	61	0.68	0.79	-0.32	0.02	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.66e-03
		69	0.76	0.29	-0.98	-0.46	-0.23	0.63	0.04	-7.29e-04	0.04	2.73e-04	6.43e-03
		70	0.71	0.81	-0.43	0.21	0.17	0.62	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.74	0.43	-0.85	-0.11	-0.31	0.64	0.04	-4.97e-03	-4.36e-03	0.04	5.01e-03
61	54	61	0.69	0.81	-0.33	0.03	0.45	0.53	-0.04	-0.04	-0.04	-0.04	-1.59e-03
		69	0.76	0.31	-0.98	-0.44	-0.23	0.64	0.04	-1.05e-03	0.04	-1.32e-05	6.47e-03
		70	0.73	0.84	-0.43	0.23	0.18	0.63	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.76	0.46	-0.86	-0.09	-0.31	0.65	0.04	-6.47e-03	-5.86e-03	0.04	5.05e-03
61	55	61	0.67	0.78	-0.31	7.36e-03	0.46	0.49	-0.03	-0.04	-0.03	-0.04	-1.77e-03
		69	0.74	0.27	-0.97	-0.47	-0.23	0.60	0.04	-2.33e-04	0.04	7.13e-04	6.38e-03
		70	0.69	0.78	-0.42	0.19	0.17	0.60	0.03	0.01	0.03	0.01	-4.35e-03
		62	0.72	0.41	-0.84	-0.13	-0.30	0.62	0.04	-2.60e-03	-1.97e-03	0.04	4.95e-03
61	56	61	0.71	0.83	-0.34	0.04	0.44	0.55	-0.04	-0.04	-0.04	-0.04	-1.49e-03
		69	0.78	0.34	-0.99	-0.43	-0.22	0.66	0.04	-1.55e-03	0.04	-4.50e-04	6.51e-03
		70	0.76	0.87	-0.44	0.25	0.18	0.65	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.78	0.48	-0.88	-0.08	-0.32	0.67	0.04	-8.82e-03	-8.22e-03	0.03	5.10e-03
61	57	61	0.67	0.78	-0.31	7.39e-03	0.46	0.49	-0.03	-0.04	-0.03	-0.04	-1.78e-03
		69	0.74	0.27	-0.97	-0.47	-0.23	0.60	0.04	-2.34e-04	0.04	7.12e-04	6.38e-03
		70	0.69	0.78	-0.42	0.19	0.17	0.60	0.03	0.01	0.03	0.01	-4.35e-03
		62	0.72	0.41	-0.84	-0.13	-0.30	0.62	0.04	-2.61e-03	-1.98e-03	0.04	4.95e-03
61	58	61	0.71	0.83	-0.34	0.04	0.44	0.55	-0.04	-0.04	-0.04	-0.04	-1.50e-03
		69	0.78	0.34	-0.99	-0.43	-0.22	0.66	0.04	-1.55e-03	0.04	-4.51e-04	6.51e-03
		70	0.76	0.87	-0.44	0.25	0.18	0.65	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.78	0.48	-0.88	-0.08	-0.32	0.67	0.04	-8.82e-03	-8.23e-03	0.03	5.10e-03
61	59	61	0.67	0.78	-0.31	7.36e-03	0.46	0.49	-0.03	-0.04	-0.03	-0.04	-1.78e-03
		69	0.74	0.27	-0.97	-0.47	-0.23	0.60	0.04	-2.33e-04	0.04	7.13e-04	6.38e-03
		70	0.69	0.78	-0.42	0.19	0.17	0.60	0.03	0.01	0.03	0.01	-4.35e-03
		62	0.72	0.41	-0.84	-0.13	-0.30	0.62	0.04	-2.60e-03	-1.97e-03	0.04	4.95e-03
61	60	61	0.71	0.83	-0.34	0.04	0.44	0.55	-0.04	-0.04	-0.04	-0.04	-1.50e-03
		69	0.78	0.34	-0.99	-0.43	-0.22	0.66	0.04	-1.55e-03	0.04	-4.50e-04	6.51e-03
		70	0.76	0.87	-0.44	0.25	0.18	0.65	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.78	0.48	-0.88	-0.08	-0.32	0.67	0.04	-8.82e-03	-8.22e-03	0.03	5.10e-03
61	61	61	0.67	0.78	-0.31	7.40e-03	0.46	0.49	-0.03	-0.04	-0.03	-0.04	-1.77e-03
		69	0.74	0.27	-0.97	-0.47	-0.23	0.60	0.04	-2.34e-04	0.04	7.12e-04	6.38e-03
		70	0.69	0.78	-0.42	0.19	0.17	0.60	0.03	0.01	0.03	0.01	-4.35e-03
		62	0.72	0.41	-0.84	-0.13	-0.30	0.62	0.04	-2.61e-03	-1.98e-03	0.04	4.95e-03
61	62	61	0.71	0.83	-0.34	0.04	0.44	0.55	-0.04	-0.04	-0.04	-0.04	-1.49e-03
		69	0.78	0.34	-0.99	-0.43	-0.22	0.66	0.04	-1.55e-03	0.04	-4.51e-04	6.51e-03
		70	0.76	0.87	-0.44	0.25	0.18	0.65	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.78	0.48	-0.88	-0.08	-0.32	0.67	0.04	-8.82e-03	-8.23e-03	0.03	5.10e-03
61	63	61	0.67	0.77	-0.32	5.44e-03	0.45	0.50	-0.03	-0.04	-0.03	-0.04	-1.75e-03
		69	0.75	0.27	-0.97	-0.47	-0.23	0.61	0.04	-3.50e-04	0.04	6.09e-04	6.39e-03
		70	0.70	0.78	-0.42	0.19	0.17	0.60	0.03	0.01	0.03	0.01	-4.35e-03
		62	0.72	0.41	-0.85	-0.13	-0.31	0.62	0.04	-3.21e-03	-2.59e-03	0.04	4.96e-03
61	64	61	0.71	0.83	-0.33	0.05	0.45	0.55	-0.04	-0.04	-0.04	-0.04	-1.52e-03
		69	0.78	0.34	-0.99	-0.43	-0.22	0.66	0.04	-1.43e-03	0.04	-3.45e-04	6.50e-03
		70	0.75	0.87	-0.43	0.25	0.18	0.65	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.77	0.48	-0.87	-0.07	-0.31	0.67	0.04	-8.20e-03	-7.61e-03	0.04	5.09e-03
61	65	61	0.67	0.77	-0.32	5.47e-03	0.45	0.50	-0.03	-0.04	-0.03	-0.04	-1.75e-03
		69	0.75	0.27	-0.97	-0.47	-0.23	0.61	0.04	-3.51e-04	0.04	6.08e-04	6.39e-03
		70	0.70	0.78	-0.42	0.19	0.17	0.60	0.03	0.01	0.03	0.01	-4.35e-03
		62	0.72	0.41	-0.85	-0.13	-0.31	0.62	0.04	-3.22e-03	-2.59e-03	0.04	4.96e-03
61	66	61	0.71	0.83	-0.33	0.05	0.45	0.55	-0.04	-0.04	-0.04	-0.04	-1.52e-03

		69	0.78	0.34	-0.99	-0.43	-0.22	0.66	0.04	-1.43e-03	0.04	-3.46e-04	6.50e-03
		70	0.75	0.87	-0.43	0.25	0.18	0.65	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.77	0.48	-0.87	-0.07	-0.31	0.67	0.04	-8.21e-03	-7.61e-03	0.04	5.08e-03
61	67	61	0.67	0.77	-0.32	5.44e-03	0.45	0.50	-0.03	-0.04	-0.03	-0.04	-1.75e-03
		69	0.75	0.27	-0.97	-0.47	-0.23	0.61	0.04	-3.50e-04	0.04	6.09e-04	6.39e-03
		70	0.70	0.78	-0.42	0.19	0.17	0.60	0.03	0.01	0.03	0.01	-4.35e-03
		62	0.72	0.41	-0.85	-0.13	-0.31	0.62	0.04	-3.21e-03	-2.59e-03	0.04	4.96e-03
61	68	61	0.71	0.83	-0.33	0.05	0.45	0.55	-0.04	-0.04	-0.04	-0.04	-1.52e-03
		69	0.78	0.34	-0.99	-0.43	-0.22	0.66	0.04	-1.43e-03	0.04	-3.45e-04	6.50e-03
		70	0.75	0.87	-0.43	0.25	0.18	0.65	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.77	0.48	-0.87	-0.07	-0.31	0.67	0.04	-8.20e-03	-7.61e-03	0.04	5.08e-03
61	69	61	0.67	0.77	-0.32	5.47e-03	0.45	0.50	-0.03	-0.04	-0.03	-0.04	-1.75e-03
		69	0.75	0.27	-0.97	-0.47	-0.23	0.61	0.04	-3.51e-04	0.04	6.08e-04	6.39e-03
		70	0.70	0.78	-0.42	0.19	0.17	0.60	0.03	0.01	0.03	0.01	-4.35e-03
		62	0.72	0.41	-0.85	-0.13	-0.31	0.62	0.04	-3.22e-03	-2.59e-03	0.04	4.96e-03
61	70	61	0.71	0.83	-0.33	0.05	0.45	0.55	-0.04	-0.04	-0.04	-0.04	-1.52e-03
		69	0.78	0.34	-0.99	-0.43	-0.22	0.66	0.04	-1.43e-03	0.04	-3.46e-04	6.50e-03
		70	0.75	0.87	-0.43	0.25	0.18	0.65	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.77	0.48	-0.87	-0.07	-0.31	0.67	0.04	-8.21e-03	-7.61e-03	0.04	5.09e-03
61	71	61	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		69	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
61	72	61	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		69	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
61	73	61	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		69	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
61	74	61	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		69	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
61	75	61	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		69	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
61	76	61	0.69	0.80	-0.33	0.03	0.45	0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		69	0.76	0.30	-0.98	-0.45	-0.23	0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.82	-0.43	0.22	0.17	0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.45	-0.86	-0.10	-0.31	0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
62	1	63	0.89	0.42	-1.04	-0.03	-0.58	-0.68	-0.05	-0.05	-0.05	-0.05	-2.13e-03
		71	0.99	1.28	-0.39	0.59	0.30	-0.82	0.05	-1.16e-03	0.05	1.71e-04	8.38e-03
		70	0.94	0.56	-1.07	-0.29	-0.23	-0.81	0.03	0.02	0.03	0.02	-5.65e-03
		62	0.97	1.12	-0.58	0.13	0.40	-0.84	0.05	-7.42e-03	-6.63e-03	0.05	6.53e-03
62	2	63	0.89	0.42	-1.04	-0.03	-0.58	-0.68	-0.05	-0.05	-0.05	-0.05	-2.13e-03
		71	0.99	1.28	-0.39	0.59	0.30	-0.82	0.05	-1.16e-03	0.05	1.71e-04	8.38e-03
		70	0.94	0.56	-1.07	-0.29	-0.23	-0.81	0.03	0.02	0.03	0.02	-5.65e-03
		62	0.97	1.12	-0.58	0.13	0.40	-0.84	0.05	-7.42e-03	-6.63e-03	0.05	6.53e-03
62	3	63	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		71	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
62	4	63	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		71	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
62	5	63	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		71	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
62	6	63	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		71	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
62	7	63	22.84	32.12	2.22	4.89	29.45	8.53	3.76	0.70	3.76	0.71	0.15
		71	14.12	9.25	-3.78	5.51	-0.04	5.90	-0.72	-3.67	-3.65	-0.74	-0.25
		70	14.81	9.78	-5.92	4.39	-0.53	-7.45	-0.71	-3.73	-3.71	-0.73	0.25
		62	23.90	33.80	1.51	4.96	30.35	-9.97	3.84	0.81	3.83	0.81	-0.14
62	8	63	6.40	-0.26	-9.80	-3.55	-6.51	-4.54	-0.09	-0.50	-0.49	-0.10	0.06
		71	4.99	1.78	-6.63	-4.47	-0.38	-3.68	0.10	-0.07	0.09	-0.06	-0.04
		70	2.03	-0.08	-1.57	-1.19	-0.46	-0.65	0.56	0.15	0.56	0.15	-9.63e-03
		62	4.20	-0.14	-4.82	-0.29	-4.67	0.83	-0.05	-0.77	-0.72	-0.09	-0.17
62	9	63	24.99	35.15	2.40	5.34	32.20	9.37	4.12	0.77	4.11	0.78	0.17
		71	15.45	10.12	-4.21	5.97	-0.06	6.50	-0.79	-4.01	-3.99	-0.81	-0.27

		70	16.14	10.64	-6.39	4.82	-0.57	-8.08	-0.78	-4.07	-4.05	-0.80	0.28
		62	26.07	36.85	1.68	5.41	33.12	-10.83	4.19	0.88	4.18	0.88	-0.15
62	10	63	4.92	0.29	-7.14	-3.09	-3.75	-3.70	5.36e-03	-0.18	-0.14	-0.03	0.07
		71	4.74	1.36	-5.76	-4.00	-0.41	-3.07	-0.10	-0.28	-0.25	-0.13	-0.06
		70	1.73	0.65	-1.91	-0.76	-0.49	-1.27	0.22	0.08	0.21	0.08	0.01
		62	2.05	0.16	-1.90	0.16	-1.90	-0.03	0.06	-0.45	-0.37	-0.02	-0.18
62	11	63	22.84	32.12	2.21	4.89	29.44	8.53	3.77	0.70	3.76	0.71	0.15
		71	14.12	9.25	-3.79	5.50	-0.04	5.90	-0.72	-3.67	-3.65	-0.74	-0.25
		70	14.80	9.77	-5.91	4.39	-0.53	-7.45	-0.71	-3.73	-3.71	-0.73	0.25
		62	23.90	33.79	1.51	4.96	30.35	-9.96	3.84	0.81	3.83	0.81	-0.14
62	12	63	6.40	-0.25	-9.80	-3.55	-6.50	-4.54	-0.09	-0.50	-0.50	-0.10	0.06
		71	4.99	1.78	-6.63	-4.47	-0.38	-3.68	0.10	-0.07	0.09	-0.06	-0.04
		70	2.03	-0.08	-1.57	-1.19	-0.46	-0.65	0.56	0.15	0.56	0.15	-9.63e-03
		62	4.19	-0.14	-4.82	-0.29	-4.67	0.83	-0.05	-0.77	-0.72	-0.09	-0.17
62	13	63	24.99	35.14	2.40	5.34	32.20	9.37	4.12	0.77	4.11	0.78	0.17
		71	15.45	10.13	-4.22	5.97	-0.06	6.51	-0.79	-4.01	-3.99	-0.81	-0.27
		70	16.14	10.64	-6.38	4.82	-0.57	-8.07	-0.78	-4.07	-4.05	-0.80	0.28
		62	26.06	36.84	1.68	5.41	33.11	-10.82	4.19	0.88	4.19	0.88	-0.15
62	14	63	4.92	0.30	-7.14	-3.09	-3.75	-3.70	5.25e-03	-0.18	-0.15	-0.03	0.07
		71	4.74	1.36	-5.77	-4.00	-0.41	-3.08	-0.10	-0.28	-0.25	-0.13	-0.06
		70	1.73	0.66	-1.91	-0.76	-0.49	-1.28	0.22	0.08	0.21	0.08	0.01
		62	2.05	0.16	-1.90	0.16	-1.90	-0.03	0.06	-0.45	-0.37	-0.02	-0.18
62	15	63	22.84	32.12	2.22	4.89	29.45	8.53	3.76	0.70	3.76	0.71	0.15
		71	14.12	9.25	-3.78	5.51	-0.04	5.90	-0.72	-3.67	-3.65	-0.74	-0.25
		70	14.81	9.78	-5.92	4.39	-0.53	-7.45	-0.71	-3.73	-3.71	-0.73	0.25
		62	23.90	33.80	1.51	4.96	30.35	-9.97	3.84	0.81	3.83	0.81	-0.14
62	16	63	6.40	-0.26	-9.80	-3.55	-6.51	-4.54	-0.09	-0.50	-0.49	-0.10	0.06
		71	4.99	1.78	-6.63	-4.47	-0.38	-3.68	0.10	-0.07	0.09	-0.06	-0.04
		70	2.03	-0.08	-1.57	-1.19	-0.46	-0.65	0.56	0.15	0.56	0.15	-9.63e-03
		62	4.20	-0.14	-4.82	-0.29	-4.67	0.83	-0.05	-0.77	-0.72	-0.09	-0.17
62	17	63	24.99	35.15	2.40	5.34	32.20	9.37	4.12	0.77	4.11	0.78	0.17
		71	15.45	10.12	-4.21	5.97	-0.06	6.50	-0.79	-4.01	-3.99	-0.81	-0.27
		70	16.14	10.64	-6.39	4.82	-0.57	-8.08	-0.78	-4.07	-4.05	-0.80	0.28
		62	26.07	36.85	1.68	5.41	33.12	-10.83	4.19	0.88	4.18	0.88	-0.15
62	18	63	4.91	0.29	-7.14	-3.09	-3.75	-3.70	5.33e-03	-0.18	-0.14	-0.03	0.07
		71	4.74	1.36	-5.76	-4.00	-0.41	-3.07	-0.10	-0.28	-0.25	-0.13	-0.06
		70	1.73	0.65	-1.91	-0.76	-0.49	-1.27	0.22	0.08	0.21	0.08	0.01
		62	2.05	0.16	-1.90	0.16	-1.90	-0.03	0.06	-0.45	-0.37	-0.02	-0.18
62	19	63	22.84	32.12	2.21	4.89	29.44	8.53	3.77	0.70	3.76	0.71	0.15
		71	14.12	9.25	-3.79	5.50	-0.04	5.90	-0.72	-3.67	-3.65	-0.74	-0.25
		70	14.80	9.77	-5.91	4.39	-0.53	-7.45	-0.71	-3.73	-3.71	-0.73	0.25
		62	23.90	33.79	1.51	4.96	30.35	-9.96	3.84	0.81	3.83	0.81	-0.14
62	20	63	6.40	-0.25	-9.80	-3.55	-6.50	-4.54	-0.09	-0.50	-0.50	-0.10	0.06
		71	4.99	1.78	-6.63	-4.47	-0.38	-3.68	0.10	-0.07	0.09	-0.06	-0.04
		70	2.03	-0.08	-1.57	-1.19	-0.46	-0.65	0.56	0.15	0.56	0.15	-9.63e-03
		62	4.19	-0.14	-4.82	-0.29	-4.67	0.83	-0.05	-0.77	-0.72	-0.09	-0.17
62	21	63	24.99	35.14	2.40	5.34	32.20	9.37	4.12	0.77	4.11	0.78	0.17
		71	15.45	10.13	-4.22	5.97	-0.06	6.51	-0.79	-4.01	-3.99	-0.81	-0.27
		70	16.14	10.64	-6.38	4.82	-0.57	-8.07	-0.78	-4.07	-4.05	-0.80	0.28
		62	26.06	36.84	1.68	5.41	33.11	-10.82	4.19	0.88	4.19	0.88	-0.15
62	22	63	4.92	0.30	-7.14	-3.09	-3.75	-3.70	5.22e-03	-0.18	-0.15	-0.03	0.07
		71	4.74	1.36	-5.77	-4.00	-0.41	-3.08	-0.10	-0.28	-0.25	-0.13	-0.06
		70	1.73	0.66	-1.91	-0.76	-0.49	-1.28	0.22	0.08	0.21	0.08	0.01
		62	2.05	0.16	-1.90	0.16	-1.90	-0.03	0.06	-0.45	-0.37	-0.02	-0.18
62	23	63	88.58	124.79	7.81	18.77	113.83	34.09	14.50	2.79	14.47	2.82	0.58
		71	54.81	35.92	-16.93	19.78	-0.79	24.34	-2.75	-14.14	-14.06	-2.83	-0.96
		70	55.71	36.28	-20.40	17.44	-1.55	-26.70	-2.75	-14.32	-14.23	-2.83	0.98
		62	90.31	127.26	6.55	18.67	115.14	-36.28	14.69	2.98	14.66	3.01	-0.55
62	24	63	13.18	1.93	-17.29	-9.35	-6.01	-9.46	0.50	-0.08	0.30	0.13	0.28
		71	15.06	1.82	-17.22	-13.46	-1.94	-7.58	-0.50	-1.66	-1.59	-0.57	-0.27
		70	5.04	2.78	-5.25	-1.18	-1.29	-4.02	0.17	-0.08	-0.02	0.11	0.10
		62	3.67	1.20	-1.63	1.17	-1.60	-0.29	0.43	-0.97	-0.52	-0.02	-0.65
62	25	63	89.22	125.70	7.86	18.91	114.65	34.35	14.60	2.81	14.57	2.84	0.59
		71	55.21	36.18	-17.06	19.92	-0.80	24.52	-2.77	-14.25	-14.16	-2.85	-0.97
		70	56.11	36.54	-20.54	17.57	-1.56	-26.89	-2.77	-14.42	-14.34	-2.85	0.99
		62	90.96	128.18	6.61	18.81	115.97	-36.53	14.79	3.00	14.77	3.03	-0.56
62	26	63	12.99	2.23	-16.63	-9.22	-5.19	-9.21	0.58	-0.03	0.40	0.15	0.28
		71	15.06	1.70	-16.96	-13.32	-1.95	-7.40	-0.52	-1.76	-1.69	-0.59	-0.28
		70	5.27	3.03	-5.38	-1.05	-1.30	-4.21	0.14	-0.17	-0.12	0.09	0.11
		62	3.47	1.44	-0.90	1.30	-0.77	-0.54	0.48	-0.89	-0.42	4.11e-03	-0.65
62	27	63	88.58	124.79	7.81	18.77	113.83	34.09	14.50	2.79	14.47	2.82	0.58
		71	54.81	35.92	-16.93	19.78	-0.79	24.34	-2.75	-14.14	-14.06	-2.83	-0.96
		70	55.71	36.28	-20.40	17.44	-1.55	-26.70	-2.75	-14.32	-14.23	-2.83	0.98
		62	90.31	127.26	6.55	18.67	115.14	-36.28	14.69	2.98	14.66	3.01	-0.55
62	28	63	13.18	1.93	-17.29	-9.35	-6.01	-9.46	0.50	-0.08	0.30	0.13	0.28
		71	15.06	1.82	-17.22	-13.46	-1.94	-7.58	-0.50	-1.66	-1.59	-0.57	-0.27
		70	5.04	2.78	-5.25	-1.18	-1.29	-4.02	0.17	-0.08	-0.02	0.11	0.10

		62	3.67	1.20	-1.63	1.17	-1.60	-0.29	0.43	-0.97	-0.52	-0.02	-0.65
62	29	63	89.22	125.70	7.86	18.91	114.65	34.35	14.60	2.81	14.57	2.84	0.59
		71	55.21	36.18	-17.06	19.92	-0.80	24.52	-2.77	-14.25	-14.16	-2.85	-0.97
		70	56.11	36.54	-20.54	17.57	-1.56	-26.89	-2.77	-14.42	-14.34	-2.85	0.99
		62	90.96	128.18	6.61	18.81	115.97	-36.53	14.79	3.00	14.77	3.03	-0.56
62	30	63	12.99	2.23	-16.63	-9.22	-5.19	-9.21	0.58	-0.03	0.40	0.15	0.28
		71	15.06	1.70	-16.96	-13.32	-1.95	-7.40	-0.52	-1.76	-1.69	-0.59	-0.28
		70	5.27	3.03	-5.38	-1.05	-1.30	-4.21	0.14	-0.17	-0.12	0.09	0.11
		62	3.47	1.44	-0.90	1.30	-0.77	-0.54	0.48	-0.89	-0.42	4.11e-03	-0.65
62	31	63	88.58	124.78	7.79	18.77	113.81	34.11	14.50	2.79	14.47	2.82	0.58
		71	54.82	35.93	-16.94	19.78	-0.79	24.35	-2.75	-14.14	-14.06	-2.83	-0.96
		70	55.70	36.27	-20.39	17.43	-1.55	-26.69	-2.75	-14.32	-14.23	-2.83	0.98
		62	90.31	127.24	6.56	18.67	115.13	-36.27	14.69	2.98	14.66	3.01	-0.55
62	32	63	13.18	1.95	-17.30	-9.35	-6.00	-9.47	0.50	-0.08	0.29	0.13	0.28
		71	15.06	1.83	-17.22	-13.46	-1.94	-7.59	-0.50	-1.66	-1.59	-0.57	-0.27
		70	5.05	2.80	-5.26	-1.17	-1.29	-4.03	0.17	-0.08	-0.02	0.11	0.10
		62	3.67	1.21	-1.62	1.18	-1.59	-0.30	0.43	-0.97	-0.53	-0.02	-0.65
62	33	63	89.22	125.69	7.85	18.90	114.64	34.36	14.60	2.81	14.57	2.84	0.59
		71	55.22	36.19	-17.07	19.92	-0.80	24.54	-2.77	-14.24	-14.16	-2.85	-0.97
		70	56.10	36.53	-20.53	17.56	-1.56	-26.88	-2.77	-14.42	-14.34	-2.85	0.99
		62	90.96	128.16	6.61	18.80	115.96	-36.52	14.79	3.00	14.77	3.03	-0.56
62	34	63	13.00	2.25	-16.63	-9.21	-5.17	-9.22	0.58	-0.03	0.40	0.15	0.28
		71	15.07	1.71	-16.97	-13.32	-1.95	-7.41	-0.52	-1.76	-1.70	-0.59	-0.28
		70	5.28	3.05	-5.39	-1.05	-1.30	-4.22	0.14	-0.17	-0.12	0.09	0.11
		62	3.48	1.45	-0.89	1.31	-0.75	-0.55	0.48	-0.90	-0.42	3.83e-03	-0.65
62	35	63	88.58	124.78	7.79	18.77	113.81	34.11	14.50	2.79	14.47	2.82	0.58
		71	54.82	35.93	-16.94	19.78	-0.79	24.35	-2.75	-14.14	-14.06	-2.83	-0.96
		70	55.70	36.27	-20.39	17.43	-1.55	-26.69	-2.75	-14.32	-14.23	-2.83	0.98
		62	90.31	127.24	6.56	18.67	115.13	-36.27	14.69	2.98	14.66	3.01	-0.55
62	36	63	13.18	1.95	-17.30	-9.35	-6.00	-9.47	0.50	-0.08	0.29	0.13	0.28
		71	15.06	1.83	-17.22	-13.46	-1.94	-7.59	-0.50	-1.66	-1.59	-0.57	-0.27
		70	5.05	2.80	-5.26	-1.17	-1.29	-4.03	0.17	-0.08	-0.02	0.11	0.10
		62	3.67	1.21	-1.62	1.18	-1.59	-0.30	0.43	-0.97	-0.53	-0.02	-0.65
62	37	63	89.22	125.69	7.85	18.90	114.64	34.36	14.60	2.81	14.57	2.84	0.59
		71	55.22	36.19	-17.07	19.92	-0.80	24.54	-2.77	-14.24	-14.16	-2.85	-0.97
		70	56.10	36.53	-20.53	17.56	-1.56	-26.88	-2.77	-14.42	-14.34	-2.85	0.99
		62	90.96	128.16	6.61	18.80	115.96	-36.52	14.79	3.00	14.77	3.03	-0.56
62	38	63	13.00	2.25	-16.63	-9.21	-5.17	-9.22	0.58	-0.03	0.40	0.15	0.28
		71	15.07	1.71	-16.97	-13.32	-1.95	-7.41	-0.52	-1.76	-1.70	-0.59	-0.28
		70	5.28	3.05	-5.39	-1.05	-1.30	-4.22	0.14	-0.17	-0.12	0.09	0.11
		62	3.48	1.45	-0.89	1.31	-0.75	-0.55	0.48	-0.90	-0.42	3.83e-03	-0.65
62	39	63	0.69	0.33	-0.81	-0.03	-0.45	-0.53	-0.04	-0.04	-0.04	-0.04	-1.60e-03
		71	0.77	0.98	-0.31	0.44	0.23	-0.64	0.04	-1.09e-03	0.04	-4.43e-05	6.46e-03
		70	0.73	0.43	-0.84	-0.23	-0.18	-0.63	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.76	0.86	-0.46	0.09	0.31	-0.65	0.04	-6.65e-03	-6.05e-03	0.04	5.04e-03
62	40	63	0.68	0.32	-0.79	-0.02	-0.45	-0.51	-0.04	-0.04	-0.04	-0.04	-1.68e-03
		71	0.75	0.98	-0.29	0.46	0.23	-0.62	0.04	-6.92e-04	0.04	3.04e-04	6.42e-03
		70	0.71	0.42	-0.81	-0.21	-0.17	-0.62	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.74	0.85	-0.43	0.11	0.31	-0.64	0.04	-4.79e-03	-4.17e-03	0.04	5.00e-03
62	41	63	0.69	0.33	-0.81	-0.03	-0.45	-0.53	-0.04	-0.04	-0.04	-0.04	-1.59e-03
		71	0.77	0.99	-0.31	0.44	0.23	-0.64	0.04	-1.09e-03	0.04	-4.11e-05	6.47e-03
		70	0.73	0.43	-0.84	-0.23	-0.18	-0.63	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.76	0.86	-0.46	0.10	0.31	-0.65	0.04	-6.63e-03	-6.03e-03	0.04	5.05e-03
62	42	63	0.68	0.32	-0.79	-0.02	-0.45	-0.51	-0.04	-0.04	-0.04	-0.04	-1.61e-03
		71	0.75	0.98	-0.29	0.46	0.23	-0.62	0.04	-6.91e-04	0.04	3.07e-04	6.43e-03
		70	0.71	0.42	-0.81	-0.21	-0.17	-0.62	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.74	0.85	-0.43	0.11	0.31	-0.64	0.04	-4.77e-03	-4.15e-03	0.04	5.01e-03
62	43	63	0.69	0.33	-0.81	-0.03	-0.45	-0.53	-0.04	-0.04	-0.04	-0.04	-1.61e-03
		71	0.76	0.98	-0.31	0.44	0.23	-0.64	0.04	-1.05e-03	0.04	-1.32e-05	6.46e-03
		70	0.73	0.43	-0.84	-0.23	-0.18	-0.63	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.76	0.86	-0.46	0.09	0.31	-0.65	0.04	-6.47e-03	-5.86e-03	0.04	5.04e-03
62	44	63	0.68	0.32	-0.79	-0.02	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.68e-03
		71	0.76	0.98	-0.29	0.46	0.23	-0.63	0.04	-7.27e-04	0.04	2.73e-04	6.43e-03
		70	0.71	0.43	-0.81	-0.21	-0.17	-0.62	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.74	0.85	-0.43	0.11	0.31	-0.64	0.04	-4.97e-03	-4.36e-03	0.04	5.00e-03
62	45	63	0.69	0.33	-0.81	-0.03	-0.45	-0.53	-0.04	-0.04	-0.04	-0.04	-1.59e-03
		71	0.76	0.98	-0.31	0.44	0.23	-0.64	0.04	-1.05e-03	0.04	-1.01e-05	6.47e-03
		70	0.73	0.43	-0.84	-0.23	-0.18	-0.63	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.76	0.86	-0.46	0.09	0.31	-0.65	0.04	-6.45e-03	-5.84e-03	0.04	5.05e-03
62	46	63	0.68	0.32	-0.79	-0.02	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.66e-03
		71	0.76	0.98	-0.29	0.46	0.23	-0.63	0.04	-7.26e-04	0.04	2.76e-04	6.47e-03
		70	0.71	0.43	-0.81	-0.21	-0.17	-0.62	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.74	0.85	-0.43	0.11	0.31	-0.64	0.04	-4.95e-03	-4.34e-03	0.04	5.01e-03
62	47	63	0.69	0.33	-0.81	-0.03	-0.45	-0.53	-0.04	-0.04	-0.04	-0.04	-1.59e-03
		71	0.77	0.98	-0.31	0.44	0.23	-0.64	0.04	-1.09e-03	0.04	-4.41e-05	6.47e-03
		70	0.73	0.43	-0.84	-0.23	-0.18	-0.63	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.76	0.86	-0.46	0.09	0.31	-0.65	0.04	-6.65e-03	-6.05e-03	0.04	5.05e-03

62	48	63	0.68	0.32	-0.79	-0.02	-0.45	-0.51	-0.04	-0.04	-0.04	-0.04	-1.67e-03
		71	0.75	0.98	-0.29	0.46	0.23	-0.62	0.04	-6.94e-04	0.04	3.04e-04	6.43e-03
		70	0.71	0.42	-0.81	-0.21	-0.17	-0.62	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.74	0.85	-0.43	0.11	0.31	-0.64	0.04	-4.79e-03	-4.17e-03	0.04	5.00e-03
62	49	63	0.69	0.33	-0.81	-0.03	-0.45	-0.53	-0.04	-0.04	-0.04	-0.04	-1.60e-03
		71	0.77	0.99	-0.31	0.44	0.23	-0.64	0.04	-1.08e-03	0.04	-4.13e-05	6.46e-03
		70	0.73	0.43	-0.84	-0.23	-0.18	-0.63	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.76	0.86	-0.46	0.10	0.31	-0.65	0.04	-6.63e-03	-6.03e-03	0.04	5.04e-03
62	50	63	0.68	0.32	-0.79	-0.02	-0.45	-0.51	-0.04	-0.04	-0.04	-0.04	-1.68e-03
		71	0.75	0.98	-0.29	0.46	0.23	-0.62	0.04	-6.89e-04	0.04	3.07e-04	6.42e-03
		70	0.71	0.42	-0.81	-0.21	-0.17	-0.62	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.74	0.85	-0.43	0.11	0.31	-0.64	0.04	-4.77e-03	-4.15e-03	0.04	5.00e-03
62	51	63	0.69	0.33	-0.81	-0.03	-0.45	-0.53	-0.04	-0.04	-0.04	-0.04	-1.59e-03
		71	0.76	0.98	-0.31	0.44	0.23	-0.64	0.04	-1.05e-03	0.04	-1.30e-05	6.47e-03
		70	0.73	0.43	-0.84	-0.23	-0.18	-0.63	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.76	0.86	-0.46	0.09	0.31	-0.65	0.04	-6.47e-03	-5.86e-03	0.04	5.05e-03
62	52	63	0.68	0.32	-0.79	-0.02	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.66e-03
		71	0.76	0.98	-0.29	0.46	0.23	-0.63	0.04	-7.29e-04	0.04	2.73e-04	6.43e-03
		70	0.71	0.43	-0.81	-0.21	-0.17	-0.62	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.74	0.85	-0.43	0.11	0.31	-0.64	0.04	-4.97e-03	-4.36e-03	0.04	5.01e-03
62	53	63	0.69	0.33	-0.81	-0.03	-0.45	-0.53	-0.04	-0.04	-0.04	-0.04	-1.61e-03
		71	0.76	0.98	-0.31	0.44	0.23	-0.64	0.04	-1.05e-03	0.04	-1.02e-05	6.46e-03
		70	0.73	0.43	-0.84	-0.23	-0.18	-0.63	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.76	0.86	-0.46	0.09	0.31	-0.65	0.04	-6.45e-03	-5.84e-03	0.04	5.04e-03
62	54	63	0.68	0.32	-0.79	-0.02	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.68e-03
		71	0.76	0.98	-0.29	0.46	0.23	-0.63	0.04	-7.24e-04	0.04	2.76e-04	6.43e-03
		70	0.71	0.43	-0.81	-0.21	-0.17	-0.62	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.74	0.85	-0.43	0.11	0.31	-0.64	0.04	-4.95e-03	-4.34e-03	0.04	5.00e-03
62	55	63	0.71	0.34	-0.83	-0.04	-0.44	-0.55	-0.04	-0.04	-0.04	-0.04	-1.50e-03
		71	0.78	0.99	-0.34	0.43	0.22	-0.66	0.04	-1.55e-03	0.04	-4.49e-04	6.51e-03
		70	0.76	0.44	-0.87	-0.25	-0.18	-0.65	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.78	0.88	-0.49	0.08	0.32	-0.67	0.04	-8.82e-03	-8.23e-03	0.03	5.10e-03
62	56	63	0.67	0.31	-0.78	-7.43e-03	-0.46	-0.49	-0.03	-0.04	-0.03	-0.04	-1.78e-03
		71	0.74	0.97	-0.27	0.47	0.23	-0.60	0.04	-2.35e-04	0.04	7.11e-04	6.38e-03
		70	0.69	0.42	-0.78	-0.19	-0.17	-0.60	0.03	0.01	0.03	0.01	-4.35e-03
		62	0.72	0.84	-0.41	0.13	0.30	-0.62	0.04	-2.61e-03	-1.98e-03	0.04	4.95e-03
62	57	63	0.71	0.34	-0.83	-0.04	-0.44	-0.55	-0.04	-0.04	-0.04	-0.04	-1.49e-03
		71	0.78	0.99	-0.34	0.43	0.22	-0.66	0.04	-1.55e-03	0.04	-4.48e-04	6.51e-03
		70	0.76	0.44	-0.87	-0.25	-0.18	-0.65	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.78	0.88	-0.49	0.08	0.32	-0.67	0.04	-8.82e-03	-8.22e-03	0.03	5.10e-03
62	58	63	0.67	0.31	-0.78	-7.40e-03	-0.46	-0.49	-0.03	-0.04	-0.03	-0.04	-1.77e-03
		71	0.74	0.97	-0.27	0.47	0.23	-0.60	0.04	-2.35e-04	0.04	7.12e-04	6.38e-03
		70	0.69	0.42	-0.78	-0.19	-0.17	-0.60	0.03	0.01	0.03	0.01	-4.35e-03
		62	0.72	0.84	-0.41	0.13	0.30	-0.62	0.04	-2.60e-03	-1.97e-03	0.04	4.95e-03
62	59	63	0.71	0.34	-0.83	-0.04	-0.44	-0.55	-0.04	-0.04	-0.04	-0.04	-1.49e-03
		71	0.78	0.99	-0.34	0.43	0.22	-0.66	0.04	-1.55e-03	0.04	-4.49e-04	6.51e-03
		70	0.76	0.44	-0.87	-0.25	-0.18	-0.65	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.78	0.88	-0.49	0.08	0.32	-0.67	0.04	-8.82e-03	-8.23e-03	0.03	5.10e-03
62	60	63	0.67	0.31	-0.78	-7.43e-03	-0.46	-0.49	-0.03	-0.04	-0.03	-0.04	-1.77e-03
		71	0.74	0.97	-0.27	0.47	0.23	-0.60	0.04	-2.35e-04	0.04	7.11e-04	6.38e-03
		70	0.69	0.42	-0.78	-0.19	-0.17	-0.60	0.03	0.01	0.03	0.01	-4.35e-03
		62	0.72	0.84	-0.41	0.13	0.30	-0.62	0.04	-2.61e-03	-1.98e-03	0.04	4.95e-03
62	61	63	0.71	0.34	-0.83	-0.04	-0.44	-0.55	-0.04	-0.04	-0.04	-0.04	-1.50e-03
		71	0.78	0.99	-0.34	0.43	0.22	-0.66	0.04	-1.55e-03	0.04	-4.49e-04	6.51e-03
		70	0.76	0.44	-0.87	-0.25	-0.18	-0.65	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.78	0.88	-0.49	0.08	0.32	-0.67	0.04	-8.82e-03	-8.22e-03	0.03	5.10e-03
62	62	63	0.67	0.31	-0.78	-7.40e-03	-0.46	-0.49	-0.03	-0.04	-0.03	-0.04	-1.78e-03
		71	0.74	0.97	-0.27	0.47	0.23	-0.60	0.04	-2.34e-04	0.04	7.12e-04	6.38e-03
		70	0.69	0.42	-0.78	-0.19	-0.17	-0.60	0.03	0.01	0.03	0.01	-4.35e-03
		62	0.72	0.84	-0.41	0.13	0.30	-0.62	0.04	-2.60e-03	-1.97e-03	0.04	4.95e-03
62	63	63	0.71	0.33	-0.83	-0.05	-0.45	-0.55	-0.04	-0.04	-0.04	-0.04	-1.52e-03
		71	0.78	0.99	-0.34	0.43	0.22	-0.66	0.04	-1.43e-03	0.04	-3.46e-04	6.50e-03
		70	0.75	0.43	-0.87	-0.25	-0.18	-0.65	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.77	0.87	-0.48	0.07	0.31	-0.67	0.04	-8.21e-03	-7.61e-03	0.04	5.08e-03
62	64	63	0.67	0.32	-0.78	-5.50e-03	-0.45	-0.50	-0.03	-0.04	-0.03	-0.04	-1.75e-03
		71	0.75	0.97	-0.27	0.47	0.23	-0.61	0.04	-3.51e-04	0.04	6.08e-04	6.39e-03
		70	0.70	0.42	-0.78	-0.19	-0.17	-0.60	0.03	0.01	0.03	0.01	-4.35e-03
		62	0.72	0.85	-0.41	0.13	0.31	-0.62	0.04	-3.22e-03	-2.59e-03	0.04	4.96e-03
62	65	63	0.71	0.33	-0.83	-0.05	-0.45	-0.55	-0.04	-0.04	-0.04	-0.04	-1.52e-03
		71	0.78	0.99	-0.34	0.43	0.22	-0.66	0.04	-1.43e-03	0.04	-3.45e-04	6.50e-03
		70	0.75	0.43	-0.87	-0.25	-0.18	-0.65	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.77	0.87	-0.48	0.07	0.31	-0.67	0.04	-8.20e-03	-7.61e-03	0.04	5.09e-03
62	66	63	0.67	0.32	-0.77	-5.47e-03	-0.45	-0.50	-0.03	-0.04	-0.03	-0.04	-1.75e-03
		71	0.75	0.97	-0.27	0.47	0.23	-0.61	0.04	-3.50e-04	0.04	6.09e-04	6.39e-03
		70	0.70	0.42	-0.78	-0.19	-0.17	-0.60	0.03	0.01	0.03	0.01	-4.35e-03
		62	0.72	0.85	-0.41	0.13	0.31	-0.62	0.04	-3.21e-03	-2.59e-03	0.04	4.96e-03
62	67	63	0.71	0.33	-0.83	-0.05	-0.45	-0.55	-0.04	-0.04	-0.04	-0.04	-1.52e-03

		71	0.78	0.99	-0.34	0.43	0.22	-0.66	0.04	-1.43e-03	0.04	-3.46e-04	6.50e-03
		70	0.75	0.43	-0.87	-0.25	-0.18	-0.65	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.77	0.87	-0.48	0.07	0.31	-0.67	0.04	-8.21e-03	-7.61e-03	0.04	5.09e-03
62	68	63	0.67	0.32	-0.78	-5.50e-03	-0.45	-0.50	-0.03	-0.04	-0.03	-0.04	-1.75e-03
		71	0.75	0.97	-0.27	0.47	0.23	-0.61	0.04	-3.51e-04	0.04	6.08e-04	6.39e-03
		70	0.70	0.42	-0.78	-0.19	-0.17	-0.60	0.03	0.01	0.03	0.01	-4.35e-03
		62	0.72	0.85	-0.41	0.13	0.31	-0.62	0.04	-3.22e-03	-2.59e-03	0.04	4.96e-03
62	69	63	0.71	0.33	-0.83	-0.05	-0.45	-0.55	-0.04	-0.04	-0.04	-0.04	-1.52e-03
		71	0.78	0.99	-0.34	0.43	0.22	-0.66	0.04	-1.43e-03	0.04	-3.45e-04	6.50e-03
		70	0.75	0.43	-0.87	-0.25	-0.18	-0.65	0.02	0.01	0.02	0.01	-4.35e-03
		62	0.77	0.87	-0.48	0.07	0.31	-0.67	0.04	-8.20e-03	-7.61e-03	0.04	5.08e-03
62	70	63	0.67	0.32	-0.77	-5.47e-03	-0.45	-0.50	-0.03	-0.04	-0.03	-0.04	-1.75e-03
		71	0.75	0.97	-0.27	0.47	0.23	-0.61	0.04	-3.50e-04	0.04	6.08e-04	6.39e-03
		70	0.70	0.42	-0.78	-0.19	-0.17	-0.60	0.03	0.01	0.03	0.01	-4.35e-03
		62	0.72	0.85	-0.41	0.13	0.31	-0.62	0.04	-3.21e-03	-2.59e-03	0.04	4.96e-03
62	71	63	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		71	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
62	72	63	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		71	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
62	73	63	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		71	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
62	74	63	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		71	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
62	75	63	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		71	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
62	76	63	0.69	0.33	-0.80	-0.03	-0.45	-0.52	-0.04	-0.04	-0.04	-0.04	-1.64e-03
		71	0.76	0.98	-0.30	0.45	0.23	-0.63	0.04	-8.89e-04	0.04	1.31e-04	6.45e-03
		70	0.72	0.43	-0.82	-0.22	-0.17	-0.63	0.03	0.01	0.02	0.01	-4.35e-03
		62	0.75	0.86	-0.45	0.10	0.31	-0.64	0.04	-5.71e-03	-5.10e-03	0.04	5.02e-03
63	1	64	0.39	0.10	-0.45	0.07	-0.42	-0.12	-0.03	-0.07	-0.07	-0.03	-8.91e-03
		72	0.60	0.72	-0.03	0.50	0.19	-0.34	0.10	0.01	0.10	0.02	0.02
		71	0.55	0.42	-0.25	0.19	-0.02	-0.32	0.10	0.02	0.09	0.03	-0.02
		63	0.65	0.57	-0.43	0.16	-0.02	-0.49	0.01	-0.06	-0.06	0.01	9.95e-03
63	2	64	0.39	0.10	-0.45	0.07	-0.42	-0.12	-0.03	-0.07	-0.07	-0.03	-8.91e-03
		72	0.60	0.72	-0.03	0.50	0.19	-0.34	0.10	0.01	0.10	0.02	0.02
		71	0.55	0.42	-0.25	0.19	-0.02	-0.32	0.10	0.02	0.09	0.03	-0.02
		63	0.65	0.57	-0.43	0.16	-0.02	-0.49	0.01	-0.06	-0.06	0.01	9.95e-03
63	3	64	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		72	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
		71	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		63	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
63	4	64	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		72	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
		71	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		63	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
63	5	64	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		72	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
		71	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		63	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
63	6	64	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		72	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
		71	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		63	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
63	7	64	22.96	32.48	2.10	5.06	29.51	9.01	3.73	0.72	3.72	0.73	0.14
		72	14.23	9.64	-4.10	5.62	-0.08	6.25	-0.70	-3.59	-3.57	-0.72	-0.23
		71	14.60	9.90	-5.27	4.96	-0.33	-7.11	-0.70	-3.63	-3.62	-0.72	0.24
		63	23.55	33.36	1.67	5.07	29.96	-9.81	3.78	0.78	3.77	0.78	-0.13
63	8	64	11.85	4.52	-12.65	2.60	-10.73	-5.42	-1.02	-2.18	-2.17	-1.02	0.06
		72	14.71	16.33	0.26	13.34	3.25	-6.25	2.56	0.45	2.52	0.49	0.29
		71	7.72	-0.50	-11.84	-10.47	-1.87	-3.70	0.19	0.08	0.18	0.09	-0.03
		63	6.84	0.69	-7.10	-2.53	-3.88	-3.84	0.79	-0.15	0.02	0.62	0.37
63	9	64	25.10	35.50	2.28	5.52	32.26	9.86	4.08	0.79	4.07	0.79	0.15
		72	15.56	10.52	-4.53	6.10	-0.10	6.86	-0.76	-3.93	-3.91	-0.79	-0.25
		71	15.94	10.78	-5.73	5.41	-0.36	-7.74	-0.76	-3.98	-3.96	-0.78	0.26
		63	25.72	36.41	1.84	5.53	32.72	-10.68	4.13	0.85	4.13	0.85	-0.14
63	10	64	9.89	4.71	-9.63	3.06	-7.98	-4.57	-0.94	-1.83	-1.82	-0.95	0.07
		72	14.06	16.27	0.79	13.83	3.23	-5.65	2.23	0.38	2.19	0.42	0.27

		71	8.01	-0.03	-11.89	-10.02	-1.90	-4.32	0.02	-0.16	-0.16	0.02	-8.27e-03
		63	7.18	3.13	-6.32	-2.07	-1.12	-4.70	0.92	0.15	0.38	0.69	0.35
63	11	64	22.96	32.48	2.09	5.06	29.51	9.02	3.73	0.72	3.72	0.73	0.14
		72	14.23	9.65	-4.11	5.62	-0.08	6.26	-0.70	-3.59	-3.57	-0.72	-0.23
		71	14.60	9.90	-5.26	4.96	-0.33	-7.10	-0.70	-3.63	-3.62	-0.72	0.24
		63	23.55	33.36	1.67	5.07	29.96	-9.80	3.78	0.78	3.77	0.78	-0.13
63	12	64	11.86	4.53	-12.66	2.60	-10.73	-5.42	-1.02	-2.18	-2.17	-1.02	0.06
		72	14.71	16.34	0.26	13.34	3.25	-6.26	2.56	0.45	2.52	0.49	0.29
		71	7.72	-0.50	-11.84	-10.47	-1.87	-3.70	0.19	0.08	0.18	0.09	-0.03
		63	6.85	0.70	-7.11	-2.53	-3.88	-3.84	0.79	-0.15	0.02	0.62	0.37
63	13	64	25.11	35.51	2.27	5.52	32.26	9.87	4.08	0.79	4.07	0.79	0.15
		72	15.56	10.53	-4.53	6.10	-0.10	6.87	-0.76	-3.93	-3.91	-0.79	-0.25
		71	15.93	10.78	-5.73	5.41	-0.36	-7.73	-0.76	-3.98	-3.96	-0.78	0.26
		63	25.71	36.41	1.84	5.52	32.72	-10.67	4.13	0.85	4.13	0.85	-0.14
63	14	64	9.90	4.71	-9.63	3.06	-7.98	-4.58	-0.94	-1.83	-1.82	-0.95	0.07
		72	14.06	16.28	0.78	13.83	3.23	-5.66	2.23	0.38	2.19	0.42	0.27
		71	8.02	-0.02	-11.90	-10.02	-1.90	-4.33	0.02	-0.16	-0.16	0.02	-8.26e-03
		63	7.19	3.14	-6.33	-2.07	-1.12	-4.71	0.92	0.14	0.38	0.69	0.35
63	15	64	22.96	32.48	2.10	5.06	29.51	9.01	3.73	0.72	3.72	0.73	0.14
		72	14.23	9.64	-4.10	5.62	-0.08	6.25	-0.70	-3.59	-3.57	-0.72	-0.23
		71	14.60	9.90	-5.27	4.96	-0.33	-7.11	-0.70	-3.63	-3.62	-0.72	0.24
		63	23.55	33.36	1.67	5.07	29.96	-9.81	3.78	0.78	3.77	0.78	-0.13
63	16	64	11.85	4.52	-12.65	2.60	-10.73	-5.42	-1.02	-2.18	-2.17	-1.02	0.06
		72	14.71	16.33	0.26	13.34	3.25	-6.25	2.56	0.45	2.52	0.49	0.29
		71	7.72	-0.50	-11.84	-10.47	-1.87	-3.70	0.19	0.08	0.18	0.09	-0.03
		63	6.84	0.69	-7.10	-2.53	-3.88	-3.84	0.79	-0.15	0.02	0.62	0.37
63	17	64	25.10	35.50	2.28	5.52	32.26	9.86	4.08	0.79	4.07	0.79	0.15
		72	15.56	10.52	-4.53	6.10	-0.10	6.86	-0.76	-3.93	-3.91	-0.79	-0.25
		71	15.94	10.78	-5.73	5.41	-0.36	-7.74	-0.76	-3.98	-3.96	-0.78	0.26
		63	25.72	36.41	1.84	5.53	32.72	-10.68	4.13	0.85	4.13	0.85	-0.14
63	18	64	9.89	4.71	-9.63	3.06	-7.98	-4.57	-0.94	-1.83	-1.82	-0.95	0.07
		72	14.06	16.27	0.79	13.83	3.23	-5.65	2.23	0.38	2.19	0.42	0.27
		71	8.01	-0.03	-11.89	-10.02	-1.90	-4.32	0.02	-0.16	-0.16	0.02	-8.29e-03
		63	7.18	3.13	-6.32	-2.07	-1.12	-4.70	0.92	0.15	0.38	0.69	0.35
63	19	64	22.96	32.48	2.09	5.06	29.51	9.02	3.73	0.72	3.72	0.73	0.14
		72	14.23	9.65	-4.11	5.62	-0.08	6.26	-0.70	-3.59	-3.57	-0.72	-0.23
		71	14.60	9.90	-5.26	4.96	-0.33	-7.10	-0.70	-3.63	-3.62	-0.72	0.24
		63	23.55	33.36	1.67	5.07	29.96	-9.80	3.78	0.78	3.77	0.78	-0.13
63	20	64	11.86	4.53	-12.65	2.60	-10.73	-5.42	-1.02	-2.18	-2.17	-1.02	0.06
		72	14.71	16.34	0.26	13.34	3.25	-6.26	2.56	0.45	2.52	0.49	0.29
		71	7.72	-0.50	-11.84	-10.47	-1.87	-3.70	0.19	0.08	0.18	0.09	-0.03
		63	6.85	0.70	-7.11	-2.53	-3.88	-3.84	0.79	-0.15	0.02	0.62	0.37
63	21	64	25.11	35.51	2.27	5.52	32.26	9.87	4.08	0.79	4.07	0.79	0.15
		72	15.56	10.53	-4.53	6.10	-0.10	6.87	-0.76	-3.93	-3.91	-0.79	-0.25
		71	15.93	10.78	-5.73	5.41	-0.36	-7.73	-0.76	-3.98	-3.96	-0.78	0.26
		63	25.71	36.41	1.84	5.52	32.72	-10.67	4.13	0.85	4.13	0.85	-0.14
63	22	64	9.90	4.71	-9.63	3.06	-7.98	-4.58	-0.94	-1.83	-1.82	-0.95	0.07
		72	14.06	16.28	0.78	13.83	3.23	-5.66	2.23	0.38	2.19	0.42	0.27
		71	8.02	-0.02	-11.90	-10.02	-1.90	-4.33	0.02	-0.16	-0.16	0.02	-8.28e-03
		63	7.19	3.14	-6.33	-2.07	-1.12	-4.71	0.92	0.14	0.38	0.69	0.35
63	23	64	88.57	125.13	7.78	19.18	113.73	34.75	14.42	2.81	14.39	2.83	0.54
		72	54.89	36.66	-16.99	20.37	-0.70	24.67	-2.71	-13.96	-13.88	-2.78	-0.92
		71	55.58	36.93	-19.57	18.57	-1.20	-26.46	-2.71	-14.10	-14.03	-2.79	0.94
		63	89.89	126.86	6.74	19.04	114.57	-36.41	14.57	2.94	14.55	2.97	-0.52
63	24	64	28.61	15.88	-25.32	10.97	-20.41	-13.35	-2.95	-5.30	-5.26	-2.98	0.29
		72	44.56	52.94	3.60	46.13	10.41	-17.02	6.57	1.12	6.44	1.25	0.83
		71	28.21	0.47	-39.69	-32.87	-6.35	-15.08	-0.11	-1.38	-1.38	-0.12	0.05
		63	24.67	14.72	-19.24	-6.29	1.77	-16.50	3.38	1.08	2.05	2.41	1.14
63	25	64	89.21	126.04	7.84	19.32	114.55	35.00	14.52	2.83	14.50	2.85	0.55
		72	55.29	36.93	-17.12	20.51	-0.71	24.85	-2.73	-14.06	-13.98	-2.80	-0.93
		71	55.98	37.19	-19.70	18.70	-1.21	-26.65	-2.73	-14.21	-14.13	-2.81	0.95
		63	90.53	127.78	6.79	19.18	115.40	-36.67	14.68	2.97	14.66	2.99	-0.52
63	26	64	28.05	15.94	-24.41	11.11	-19.58	-13.10	-2.92	-5.20	-5.16	-2.96	0.29
		72	44.37	52.94	3.74	46.28	10.40	-16.83	6.47	1.10	6.34	1.23	0.83
		71	28.43	0.63	-39.72	-32.73	-6.36	-15.27	-0.13	-1.48	-1.48	-0.14	0.05
		63	24.98	15.54	-19.10	-6.15	2.60	-16.76	3.44	1.15	2.16	2.43	1.13
63	27	64	88.57	125.13	7.78	19.18	113.73	34.75	14.42	2.81	14.39	2.83	0.54
		72	54.89	36.66	-16.99	20.37	-0.70	24.67	-2.71	-13.96	-13.88	-2.78	-0.92
		71	55.58	36.93	-19.57	18.57	-1.20	-26.46	-2.71	-14.10	-14.03	-2.79	0.94
		63	89.89	126.86	6.74	19.04	114.57	-36.41	14.57	2.94	14.55	2.97	-0.52
63	28	64	28.61	15.88	-25.32	10.97	-20.41	-13.35	-2.95	-5.30	-5.26	-2.98	0.29
		72	44.56	52.94	3.60	46.13	10.41	-17.02	6.57	1.12	6.44	1.25	0.83
		71	28.21	0.47	-39.69	-32.87	-6.35	-15.08	-0.11	-1.38	-1.38	-0.12	0.05
		63	24.67	14.72	-19.24	-6.29	1.77	-16.50	3.38	1.08	2.05	2.41	1.14
63	29	64	89.21	126.04	7.84	19.32	114.55	35.00	14.52	2.83	14.50	2.85	0.55
		72	55.29	36.93	-17.12	20.51	-0.71	24.85	-2.73	-14.06	-13.98	-2.80	-0.93
		71	55.98	37.19	-19.70	18.70	-1.21	-26.65	-2.73	-14.21	-14.13	-2.81	0.95

		63	90.53	127.78	6.79	19.18	115.40	-36.67	14.68	2.97	14.66	2.99	-0.52
63	30	64	28.05	15.94	-24.41	11.11	-19.58	-13.10	-2.92	-5.20	-5.16	-2.96	0.29
		72	44.37	52.94	3.74	46.28	10.40	-16.83	6.47	1.10	6.34	1.23	0.83
		71	28.43	0.63	-39.72	-32.73	-6.36	-15.27	-0.13	-1.48	-1.48	-0.14	0.05
		63	24.98	15.54	-19.10	-6.15	2.60	-16.76	3.44	1.15	2.16	2.43	1.13
63	31	64	88.58	125.14	7.76	19.18	113.72	34.78	14.42	2.81	14.40	2.83	0.54
		72	54.91	36.68	-17.02	20.37	-0.70	24.70	-2.71	-13.95	-13.88	-2.78	-0.92
		71	55.56	36.90	-19.54	18.57	-1.21	-26.44	-2.71	-14.10	-14.03	-2.79	0.94
		63	89.88	126.85	6.76	19.04	114.57	-36.39	14.58	2.94	14.55	2.97	-0.52
63	32	64	28.62	15.90	-25.33	10.97	-20.40	-13.38	-2.95	-5.30	-5.26	-2.98	0.29
		72	44.57	52.96	3.58	46.13	10.41	-17.04	6.57	1.12	6.44	1.25	0.83
		71	28.22	0.49	-39.71	-32.87	-6.35	-15.10	-0.11	-1.38	-1.38	-0.12	0.05
		63	24.70	14.75	-19.27	-6.28	1.76	-16.52	3.38	1.08	2.05	2.41	1.14
63	33	64	89.22	126.04	7.82	19.32	114.55	35.03	14.53	2.83	14.50	2.85	0.55
		72	55.31	36.95	-17.14	20.51	-0.71	24.88	-2.73	-14.06	-13.98	-2.80	-0.93
		71	55.96	37.17	-19.68	18.70	-1.21	-26.62	-2.73	-14.21	-14.13	-2.81	0.95
		63	90.53	127.77	6.81	19.17	115.40	-36.65	14.68	2.97	14.66	2.99	-0.52
63	34	64	28.07	15.96	-24.42	11.11	-19.57	-13.12	-2.92	-5.20	-5.16	-2.96	0.29
		72	44.38	52.96	3.72	46.28	10.40	-16.86	6.47	1.10	6.34	1.23	0.83
		71	28.45	0.65	-39.74	-32.73	-6.36	-15.29	-0.13	-1.48	-1.48	-0.14	0.05
		63	25.00	15.56	-19.12	-6.15	2.59	-16.78	3.44	1.15	2.16	2.43	1.13
63	35	64	88.58	125.14	7.76	19.18	113.72	34.78	14.42	2.81	14.40	2.83	0.54
		72	54.91	36.68	-17.02	20.37	-0.70	24.70	-2.71	-13.95	-13.88	-2.78	-0.93
		71	55.56	36.90	-19.54	18.57	-1.21	-26.44	-2.71	-14.10	-14.03	-2.79	0.94
		63	89.88	126.85	6.76	19.04	114.57	-36.39	14.58	2.94	14.55	2.97	-0.52
63	36	64	28.62	15.90	-25.33	10.97	-20.40	-13.38	-2.95	-5.30	-5.26	-2.98	0.29
		72	44.57	52.96	3.58	46.13	10.41	-17.04	6.57	1.12	6.44	1.25	0.83
		71	28.22	0.49	-39.71	-32.87	-6.35	-15.10	-0.11	-1.38	-1.38	-0.12	0.05
		63	24.70	14.75	-19.27	-6.28	1.76	-16.52	3.38	1.08	2.05	2.41	1.14
63	37	64	89.22	126.04	7.82	19.32	114.55	35.03	14.53	2.83	14.50	2.85	0.55
		72	55.31	36.95	-17.14	20.51	-0.71	24.88	-2.73	-14.06	-13.98	-2.80	-0.93
		71	55.96	37.17	-19.68	18.70	-1.21	-26.62	-2.73	-14.21	-14.13	-2.81	0.95
		63	90.53	127.77	6.81	19.17	115.40	-36.65	14.68	2.97	14.66	2.99	-0.52
63	38	64	28.07	15.96	-24.42	11.11	-19.57	-13.12	-2.92	-5.20	-5.16	-2.96	0.29
		72	44.38	52.96	3.72	46.28	10.40	-16.86	6.47	1.10	6.34	1.23	0.83
		71	28.45	0.65	-39.74	-32.73	-6.36	-15.29	-0.13	-1.48	-1.48	-0.14	0.05
		63	25.00	15.56	-19.12	-6.15	2.59	-16.78	3.44	1.15	2.16	2.43	1.13
63	39	64	0.30	0.09	-0.36	0.06	-0.32	-0.12	-0.02	-0.06	-0.06	-0.02	-6.79e-03
		72	0.47	0.57	-0.04	0.39	0.14	-0.28	0.08	0.01	0.08	0.01	0.01
		71	0.43	0.34	-0.22	0.14	-0.02	-0.27	0.08	0.02	0.07	0.02	-0.01
		63	0.52	0.45	-0.35	0.11	-0.01	-0.40	0.01	-0.05	-0.05	8.93e-03	7.70e-03
63	40	64	0.29	0.07	-0.34	0.06	-0.33	-0.08	-0.02	-0.06	-0.06	-0.02	-6.91e-03
		72	0.45	0.54	-8.16e-03	0.39	0.14	-0.24	0.08	0.01	0.08	0.01	0.01
		71	0.41	0.31	-0.17	0.15	-0.02	-0.23	0.08	0.02	0.07	0.02	-0.01
		63	0.48	0.42	-0.31	0.13	-0.02	-0.36	0.01	-0.05	-0.04	9.13e-03	7.61e-03
63	41	64	0.30	0.09	-0.36	0.06	-0.32	-0.12	-0.02	-0.06	-0.06	-0.02	-6.80e-03
		72	0.47	0.57	-0.04	0.39	0.14	-0.28	0.08	0.01	0.08	0.01	0.01
		71	0.43	0.34	-0.22	0.14	-0.02	-0.27	0.08	0.02	0.07	0.02	-0.01
		63	0.52	0.45	-0.35	0.11	-0.01	-0.40	0.01	-0.05	-0.05	8.95e-03	7.70e-03
63	42	64	0.29	0.07	-0.34	0.06	-0.33	-0.08	-0.02	-0.06	-0.06	-0.02	-6.92e-03
		72	0.45	0.54	-8.15e-03	0.39	0.14	-0.24	0.08	0.01	0.08	0.01	0.01
		71	0.41	0.31	-0.17	0.15	-0.02	-0.23	0.08	0.02	0.07	0.02	-0.01
		63	0.48	0.42	-0.31	0.13	-0.02	-0.36	0.01	-0.05	-0.04	9.14e-03	7.61e-03
63	43	64	0.30	0.09	-0.35	0.06	-0.32	-0.11	-0.02	-0.06	-0.06	-0.02	-6.80e-03
		72	0.47	0.57	-0.04	0.39	0.14	-0.28	0.08	0.01	0.08	0.01	0.01
		71	0.43	0.33	-0.22	0.14	-0.02	-0.26	0.08	0.02	0.07	0.02	-0.01
		63	0.52	0.45	-0.35	0.11	-0.01	-0.39	0.01	-0.05	-0.05	8.95e-03	7.68e-03
63	44	64	0.29	0.07	-0.34	0.06	-0.33	-0.08	-0.02	-0.06	-0.06	-0.02	-6.89e-03
		72	0.45	0.54	-0.01	0.39	0.14	-0.25	0.08	0.01	0.08	0.01	0.01
		71	0.41	0.31	-0.18	0.15	-0.02	-0.23	0.08	0.02	0.07	0.02	-0.01
		63	0.48	0.42	-0.31	0.13	-0.02	-0.36	0.01	-0.05	-0.04	9.11e-03	7.63e-03
63	45	64	0.30	0.09	-0.35	0.06	-0.32	-0.11	-0.02	-0.06	-0.06	-0.02	-6.82e-03
		72	0.47	0.57	-0.04	0.39	0.14	-0.28	0.08	0.01	0.08	0.01	0.01
		71	0.43	0.33	-0.22	0.14	-0.02	-0.26	0.08	0.02	0.07	0.02	-0.01
		63	0.52	0.45	-0.35	0.11	-0.01	-0.39	0.01	-0.05	-0.05	8.97e-03	7.69e-03
63	46	64	0.29	0.07	-0.34	0.06	-0.33	-0.08	-0.02	-0.06	-0.06	-0.02	-6.91e-03
		72	0.45	0.54	-0.01	0.39	0.14	-0.25	0.08	0.01	0.08	0.01	0.01
		71	0.41	0.31	-0.18	0.15	-0.02	-0.23	0.08	0.02	0.07	0.02	-0.01
		63	0.48	0.42	-0.31	0.13	-0.02	-0.36	0.01	-0.05	-0.04	9.12e-03	7.63e-03
63	47	64	0.30	0.09	-0.36	0.06	-0.32	-0.12	-0.02	-0.06	-0.06	-0.02	-6.79e-03
		72	0.47	0.57	-0.04	0.39	0.14	-0.28	0.08	0.01	0.08	0.01	0.01
		71	0.43	0.34	-0.22	0.14	-0.02	-0.27	0.08	0.02	0.07	0.02	-0.01
		63	0.52	0.45	-0.35	0.11	-0.01	-0.40	0.01	-0.05	-0.05	8.93e-03	7.70e-03
63	48	64	0.29	0.07	-0.34	0.06	-0.33	-0.08	-0.02	-0.06	-0.06	-0.02	-6.91e-03
		72	0.45	0.54	-8.16e-03	0.39	0.14	-0.24	0.08	0.01	0.08	0.01	0.01
		71	0.41	0.31	-0.17	0.15	-0.02	-0.23	0.08	0.02	0.07	0.02	-0.01
		63	0.48	0.42	-0.31	0.13	-0.02	-0.36	0.01	-0.05	-0.04	9.13e-03	7.62e-03



		72	0.43	0.51	0.02	0.39	0.14	-0.21	0.08	0.01	0.08	0.01	0.01
		71	0.38	0.29	-0.13	0.17	-0.01	-0.19	0.08	0.02	0.07	0.02	-0.01
		63	0.45	0.39	-0.27	0.14	-0.02	-0.32	0.01	-0.04	-0.04	9.29e-03	7.57e-03
63	69	64	0.32	0.11	-0.38	0.06	-0.32	-0.15	-0.02	-0.06	-0.06	-0.02	-6.71e-03
		72	0.50	0.61	-0.08	0.39	0.14	-0.32	0.08	0.01	0.08	0.01	0.01
		71	0.46	0.36	-0.26	0.12	-0.02	-0.30	0.07	0.02	0.07	0.02	-0.01
		63	0.55	0.48	-0.39	0.10	-0.01	-0.43	9.86e-03	-0.05	-0.05	8.79e-03	7.75e-03
63	70	64	0.29	0.06	-0.33	0.06	-0.33	-0.04	-0.02	-0.06	-0.05	-0.02	-7.01e-03
		72	0.43	0.51	0.02	0.39	0.14	-0.21	0.08	0.01	0.08	0.01	0.01
		71	0.38	0.29	-0.13	0.17	-0.01	-0.19	0.08	0.02	0.07	0.02	-0.01
		63	0.45	0.39	-0.27	0.14	-0.02	-0.32	0.01	-0.04	-0.04	9.30e-03	7.56e-03
63	71	64	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		72	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
		71	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		63	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
63	72	64	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		72	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
		71	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		63	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
63	73	64	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		72	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
		71	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		63	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
63	74	64	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		72	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
		71	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		63	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
63	75	64	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		72	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
		71	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		63	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
63	76	64	0.30	0.08	-0.35	0.06	-0.32	-0.10	-0.02	-0.06	-0.06	-0.02	-6.86e-03
		72	0.46	0.56	-0.03	0.39	0.14	-0.26	0.08	0.01	0.08	0.01	0.01
		71	0.42	0.32	-0.20	0.14	-0.02	-0.25	0.08	0.02	0.07	0.02	-0.01
		63	0.50	0.44	-0.33	0.12	-0.02	-0.38	0.01	-0.05	-0.05	9.04e-03	7.66e-03
64	1	57	0.65	0.57	-0.43	0.16	-0.02	0.49	0.01	-0.06	-0.06	0.01	-9.95e-03
		65	0.55	0.42	-0.25	0.19	-0.02	0.32	0.10	0.02	0.09	0.03	0.02
		72	0.60	0.72	-0.03	0.50	0.19	0.34	0.10	0.01	0.10	0.02	-0.02
		64	0.39	0.10	-0.45	0.07	-0.42	0.12	-0.03	-0.07	-0.07	-0.03	8.91e-03
64	2	57	0.65	0.57	-0.43	0.16	-0.02	0.49	0.01	-0.06	-0.06	0.01	-9.95e-03
		65	0.55	0.42	-0.25	0.19	-0.02	0.32	0.10	0.02	0.09	0.03	0.02
		72	0.60	0.72	-0.03	0.50	0.19	0.34	0.10	0.01	0.10	0.02	-0.02
		64	0.39	0.10	-0.45	0.07	-0.42	0.12	-0.03	-0.07	-0.07	-0.03	8.91e-03
64	3	57	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		65	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
		72	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		64	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
64	4	57	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		65	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
		72	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		64	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
64	5	57	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		65	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
		72	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		64	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
64	6	57	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		65	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
		72	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		64	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
64	7	57	23.49	33.30	1.76	5.10	29.96	9.70	3.78	0.78	3.78	0.78	0.13
		65	14.54	9.83	-5.16	4.99	-0.32	7.00	-0.70	-3.63	-3.61	-0.72	-0.24
		72	14.29	9.74	-4.20	5.62	-0.08	-6.36	-0.70	-3.59	-3.57	-0.72	0.23
		64	23.01	32.53	2.03	5.06	29.51	-9.12	3.73	0.72	3.73	0.73	-0.14
64	8	57	6.95	0.78	-7.22	-2.56	-3.88	3.94	0.79	-0.15	0.02	0.62	-0.37
		65	7.79	-0.44	-11.94	-10.50	-1.88	3.80	0.19	0.08	0.18	0.09	0.03
		72	14.75	16.42	0.18	13.34	3.25	6.36	2.56	0.45	2.52	0.49	-0.29
		64	11.92	4.59	-12.71	2.60	-10.72	5.52	-1.02	-2.18	-2.17	-1.02	-0.06
64	9	57	25.65	36.35	1.93	5.56	32.72	10.57	4.13	0.85	4.13	0.85	0.14
		65	15.88	10.71	-5.62	5.44	-0.35	7.63	-0.76	-3.97	-3.95	-0.78	-0.26
		72	15.63	10.62	-4.62	6.10	-0.10	-6.96	-0.76	-3.93	-3.91	-0.79	0.26
		64	25.15	35.56	2.21	5.52	32.25	-9.96	4.08	0.79	4.07	0.80	-0.15
64	10	57	7.30	3.22	-6.44	-2.10	-1.12	4.81	0.92	0.14	0.37	0.69	-0.35
		65	8.10	0.04	-12.00	-10.06	-1.91	4.43	0.02	-0.16	-0.16	0.02	8.18e-03
		72	14.10	16.35	0.71	13.83	3.23	5.76	2.22	0.38	2.18	0.42	-0.27
		64	9.96	4.78	-9.69	3.06	-7.97	4.68	-0.94	-1.83	-1.83	-0.95	-0.07
64	11	57	23.49	33.30	1.76	5.10	29.96	9.71	3.78	0.78	3.78	0.78	0.13
		65	14.55	9.84	-5.16	5.00	-0.32	7.01	-0.70	-3.63	-3.61	-0.72	-0.24

		72	14.29	9.73	-4.19	5.62	-0.08	-6.35	-0.70	-3.59	-3.57	-0.72	0.23
		64	23.00	32.53	2.03	5.06	29.51	-9.11	3.73	0.72	3.73	0.73	-0.14
64	12	57	6.94	0.77	-7.21	-2.56	-3.88	3.94	0.79	-0.15	0.02	0.62	-0.37
		65	7.79	-0.45	-11.94	-10.50	-1.88	3.80	0.19	0.08	0.18	0.09	0.03
		72	14.75	16.41	0.19	13.34	3.25	6.35	2.56	0.45	2.52	0.49	-0.29
		64	11.91	4.59	-12.71	2.60	-10.72	5.52	-1.02	-2.18	-2.17	-1.02	-0.06
64	13	57	25.66	36.35	1.93	5.56	32.72	10.58	4.13	0.85	4.13	0.85	0.14
		65	15.88	10.72	-5.62	5.44	-0.35	7.64	-0.76	-3.97	-3.95	-0.78	-0.26
		72	15.62	10.61	-4.62	6.10	-0.10	-6.96	-0.76	-3.93	-3.91	-0.79	0.26
		64	25.15	35.56	2.22	5.52	32.26	-9.96	4.08	0.79	4.07	0.80	-0.15
64	14	57	7.29	3.21	-6.44	-2.11	-1.12	4.80	0.92	0.14	0.37	0.69	-0.35
		65	8.10	0.03	-12.00	-10.06	-1.91	4.42	0.02	-0.16	-0.16	0.02	8.19e-03
		72	14.10	16.34	0.71	13.83	3.23	5.75	2.22	0.38	2.18	0.42	-0.27
		64	9.96	4.77	-9.68	3.06	-7.97	4.67	-0.94	-1.83	-1.83	-0.95	-0.07
64	15	57	23.49	33.30	1.76	5.10	29.96	9.70	3.78	0.78	3.78	0.78	0.13
		65	14.54	9.83	-5.16	4.99	-0.32	7.00	-0.70	-3.63	-3.61	-0.72	-0.24
		72	14.29	9.74	-4.20	5.62	-0.08	-6.36	-0.70	-3.59	-3.57	-0.72	0.23
		64	23.01	32.53	2.03	5.06	29.51	-9.12	3.73	0.72	3.73	0.73	-0.14
64	16	57	6.95	0.78	-7.22	-2.56	-3.88	3.94	0.79	-0.15	0.02	0.62	-0.37
		65	7.79	-0.44	-11.94	-10.50	-1.88	3.80	0.19	0.08	0.18	0.09	0.03
		72	14.75	16.42	0.18	13.34	3.25	6.36	2.56	0.45	2.52	0.49	-0.29
		64	11.92	4.59	-12.71	2.60	-10.72	5.52	-1.02	-2.18	-2.17	-1.02	-0.06
64	17	57	25.65	36.35	1.93	5.56	32.72	10.57	4.13	0.85	4.13	0.85	0.14
		65	15.88	10.71	-5.62	5.44	-0.35	7.63	-0.76	-3.97	-3.95	-0.78	-0.26
		72	15.63	10.62	-4.62	6.10	-0.10	-6.96	-0.76	-3.93	-3.91	-0.79	0.26
		64	25.15	35.56	2.21	5.52	32.25	-9.96	4.08	0.79	4.07	0.80	-0.15
64	18	57	7.30	3.22	-6.44	-2.10	-1.12	4.81	0.92	0.14	0.37	0.69	-0.35
		65	8.10	0.04	-12.00	-10.06	-1.91	4.43	0.02	-0.16	-0.16	0.02	8.16e-03
		72	14.10	16.35	0.71	13.83	3.23	5.76	2.22	0.38	2.18	0.42	-0.27
		64	9.96	4.78	-9.69	3.06	-7.97	4.68	-0.94	-1.83	-1.83	-0.95	-0.07
64	19	57	23.49	33.30	1.76	5.10	29.96	9.71	3.78	0.78	3.78	0.78	0.13
		65	14.55	9.84	-5.16	5.00	-0.32	7.01	-0.70	-3.63	-3.61	-0.72	-0.24
		72	14.29	9.73	-4.19	5.62	-0.08	-6.35	-0.70	-3.59	-3.57	-0.72	0.23
		64	23.00	32.53	2.03	5.06	29.51	-9.11	3.73	0.72	3.73	0.73	-0.14
64	20	57	6.94	0.77	-7.21	-2.56	-3.88	3.94	0.79	-0.15	0.02	0.62	-0.37
		65	7.79	-0.45	-11.94	-10.50	-1.88	3.80	0.19	0.08	0.18	0.09	0.03
		72	14.75	16.41	0.19	13.34	3.25	6.35	2.56	0.45	2.52	0.49	-0.29
		64	11.91	4.59	-12.71	2.60	-10.72	5.52	-1.02	-2.18	-2.17	-1.02	-0.06
64	21	57	25.66	36.35	1.93	5.56	32.72	10.58	4.13	0.85	4.13	0.85	0.14
		65	15.88	10.72	-5.62	5.44	-0.35	7.64	-0.76	-3.97	-3.95	-0.78	-0.26
		72	15.62	10.61	-4.62	6.10	-0.10	-6.96	-0.76	-3.93	-3.91	-0.79	0.26
		64	25.15	35.56	2.22	5.52	32.26	-9.96	4.08	0.79	4.07	0.80	-0.15
64	22	57	7.29	3.21	-6.44	-2.11	-1.12	4.80	0.92	0.14	0.37	0.69	-0.35
		65	8.10	0.03	-12.00	-10.06	-1.91	4.42	0.02	-0.16	-0.16	0.02	8.17e-03
		72	14.10	16.34	0.71	13.83	3.23	5.75	2.22	0.38	2.18	0.42	-0.27
		64	9.96	4.77	-9.68	3.06	-7.97	4.67	-0.94	-1.83	-1.83	-0.95	-0.07
64	23	57	89.68	126.66	7.05	19.15	114.56	36.06	14.58	2.95	14.56	2.97	0.52
		65	55.38	36.68	-19.18	18.68	-1.18	26.11	-2.71	-14.10	-14.02	-2.79	-0.94
		72	55.11	36.99	-17.32	20.37	-0.70	-25.03	-2.70	-13.95	-13.87	-2.78	0.93
		64	88.73	125.31	7.56	19.17	113.70	-35.10	14.43	2.81	14.40	2.83	-0.54
64	24	57	25.06	15.03	-19.65	-6.39	1.77	16.85	3.38	1.08	2.05	2.41	-1.14
		65	28.51	0.70	-40.05	-32.98	-6.37	15.43	-0.12	-1.39	-1.39	-0.12	-0.05
		72	44.69	53.18	3.35	46.13	10.41	17.37	6.57	1.12	6.44	1.25	-0.83
		64	28.84	16.12	-25.53	10.98	-20.38	13.71	-2.95	-5.30	-5.27	-2.98	-0.29
64	25	57	90.33	127.57	7.10	19.28	115.39	36.32	14.69	2.97	14.67	2.99	0.52
		65	55.78	36.94	-19.32	18.81	-1.19	26.29	-2.73	-14.20	-14.12	-2.81	-0.95
		72	55.51	37.25	-17.45	20.51	-0.71	-25.21	-2.72	-14.05	-13.97	-2.80	0.93
		64	89.37	126.22	7.62	19.31	114.53	-35.36	14.53	2.83	14.50	2.86	-0.55
64	26	57	25.37	15.85	-19.50	-6.26	2.60	17.11	3.43	1.15	2.15	2.43	-1.13
		65	28.73	0.86	-40.09	-32.84	-6.38	15.62	-0.14	-1.49	-1.49	-0.14	-0.05
		72	44.49	53.18	3.49	46.28	10.40	17.19	6.46	1.10	6.33	1.23	-0.83
		64	28.29	16.18	-24.62	11.11	-19.55	13.45	-2.92	-5.20	-5.16	-2.96	-0.29
64	27	57	89.68	126.66	7.05	19.15	114.56	36.06	14.58	2.95	14.56	2.97	0.52
		65	55.38	36.68	-19.18	18.68	-1.18	26.11	-2.71	-14.10	-14.02	-2.79	-0.94
		72	55.11	36.99	-17.32	20.37	-0.70	-25.03	-2.70	-13.95	-13.87	-2.78	0.93
		64	88.73	125.31	7.56	19.17	113.70	-35.10	14.43	2.81	14.40	2.83	-0.54
64	28	57	25.06	15.03	-19.65	-6.39	1.77	16.85	3.38	1.08	2.05	2.41	-1.14
		65	28.51	0.70	-40.05	-32.98	-6.37	15.43	-0.12	-1.39	-1.39	-0.12	-0.05
		72	44.69	53.18	3.35	46.13	10.41	17.37	6.57	1.12	6.44	1.25	-0.83
		64	28.84	16.12	-25.53	10.98	-20.38	13.71	-2.95	-5.30	-5.27	-2.98	-0.29
64	29	57	90.33	127.57	7.10	19.28	115.39	36.32	14.69	2.97	14.67	2.99	0.52
		65	55.78	36.94	-19.32	18.81	-1.19	26.29	-2.73	-14.20	-14.12	-2.81	-0.95
		72	55.51	37.25	-17.45	20.51	-0.71	-25.21	-2.72	-14.05	-13.97	-2.80	0.93
		64	89.37	126.22	7.62	19.31	114.53	-35.36	14.53	2.83	14.50	2.86	-0.55
64	30	57	25.37	15.85	-19.50	-6.26	2.60	17.11	3.43	1.15	2.15	2.43	-1.13
		65	28.73	0.86	-40.09	-32.84	-6.38	15.62	-0.14	-1.49	-1.49	-0.14	-0.05
		72	44.49	53.18	3.49	46.28	10.40	17.19	6.46	1.10	6.33	1.23	-0.83

		64	28.29	16.18	-24.62	11.11	-19.55	13.45	-2.92	-5.20	-5.16	-2.96	-0.29
64	31	57	89.69	126.67	7.04	19.15	114.56	36.08	14.58	2.95	14.56	2.97	0.52
		65	55.40	36.70	-19.21	18.68	-1.18	26.13	-2.71	-14.10	-14.02	-2.79	-0.94
		72	55.10	36.96	-17.30	20.37	-0.70	-25.00	-2.70	-13.95	-13.87	-2.78	0.93
		64	88.72	125.30	7.58	19.17	113.71	-35.08	14.42	2.81	14.40	2.83	-0.54
64	32	57	25.03	15.00	-19.63	-6.40	1.77	16.83	3.38	1.08	2.05	2.41	-1.14
		65	28.49	0.68	-40.03	-32.98	-6.37	15.41	-0.12	-1.39	-1.38	-0.12	-0.05
		72	44.68	53.17	3.37	46.13	10.41	17.34	6.57	1.12	6.44	1.25	-0.83
		64	28.82	16.10	-25.52	10.98	-20.39	13.68	-2.95	-5.30	-5.27	-2.98	-0.29
64	33	57	90.34	127.59	7.09	19.29	115.39	36.34	14.69	2.97	14.66	2.99	0.52
		65	55.80	36.97	-19.34	18.81	-1.19	26.32	-2.73	-14.20	-14.12	-2.81	-0.95
		72	55.50	37.23	-17.42	20.51	-0.71	-25.18	-2.72	-14.05	-13.97	-2.80	0.93
		64	89.36	126.21	7.64	19.31	114.54	-35.33	14.53	2.83	14.50	2.86	-0.55
64	34	57	25.34	15.82	-19.48	-6.26	2.60	17.09	3.43	1.15	2.15	2.43	-1.13
		65	28.72	0.84	-40.07	-32.85	-6.38	15.60	-0.14	-1.49	-1.49	-0.14	-0.05
		72	44.49	53.16	3.51	46.28	10.40	17.16	6.47	1.10	6.33	1.23	-0.83
		64	28.27	16.16	-24.61	11.11	-19.56	13.43	-2.92	-5.20	-5.16	-2.96	-0.29
64	35	57	89.69	126.67	7.04	19.15	114.56	36.08	14.58	2.95	14.56	2.97	0.52
		65	55.40	36.70	-19.21	18.68	-1.18	26.13	-2.71	-14.10	-14.02	-2.79	-0.94
		72	55.10	36.96	-17.30	20.37	-0.70	-25.00	-2.70	-13.95	-13.87	-2.78	0.93
		64	88.72	125.30	7.58	19.17	113.71	-35.08	14.42	2.81	14.40	2.83	-0.54
64	36	57	25.03	15.00	-19.63	-6.40	1.77	16.83	3.38	1.08	2.05	2.41	-1.14
		65	28.49	0.68	-40.03	-32.98	-6.37	15.41	-0.12	-1.39	-1.38	-0.12	-0.05
		72	44.68	53.17	3.37	46.13	10.41	17.34	6.57	1.12	6.44	1.25	-0.83
		64	28.82	16.10	-25.52	10.98	-20.39	13.68	-2.95	-5.30	-5.27	-2.98	-0.29
64	37	57	90.34	127.59	7.09	19.29	115.39	36.34	14.69	2.97	14.66	2.99	0.52
		65	55.80	36.97	-19.34	18.81	-1.19	26.32	-2.73	-14.20	-14.12	-2.81	-0.95
		72	55.50	37.23	-17.42	20.51	-0.71	-25.18	-2.72	-14.05	-13.97	-2.80	0.93
		64	89.36	126.21	7.64	19.31	114.54	-35.33	14.53	2.83	14.50	2.86	-0.55
64	38	57	25.34	15.82	-19.48	-6.26	2.60	17.09	3.43	1.15	2.15	2.43	-1.13
		65	28.72	0.84	-40.07	-32.85	-6.38	15.60	-0.14	-1.49	-1.49	-0.14	-0.05
		72	44.49	53.16	3.51	46.28	10.40	17.16	6.47	1.10	6.33	1.23	-0.83
		64	28.27	16.16	-24.61	11.11	-19.56	13.43	-2.92	-5.20	-5.16	-2.96	-0.29
64	39	57	0.48	0.42	-0.31	0.13	-0.02	0.36	0.01	-0.05	-0.04	9.13e-03	-7.62e-03
		65	0.41	0.31	-0.17	0.15	-0.02	0.23	0.08	0.02	0.07	0.02	0.01
		72	0.45	0.54	-8.16e-03	0.39	0.14	0.24	0.08	0.01	0.08	0.01	-0.01
64	40	64	0.29	0.07	-0.34	0.06	-0.33	0.08	-0.02	-0.06	-0.06	-0.02	6.91e-03
		57	0.52	0.45	-0.35	0.11	-0.01	0.40	0.01	-0.05	-0.05	8.93e-03	-7.70e-03
		65	0.43	0.34	-0.22	0.14	-0.02	0.27	0.08	0.02	0.07	0.02	0.01
		72	0.47	0.58	-0.04	0.39	0.14	0.28	0.08	0.01	0.08	0.01	-0.01
		64	0.30	0.09	-0.36	0.06	-0.32	0.12	-0.02	-0.06	-0.06	-0.02	6.79e-03
64	41	57	0.48	0.42	-0.31	0.13	-0.02	0.36	0.01	-0.05	-0.04	9.14e-03	-7.61e-03
		65	0.41	0.31	-0.17	0.15	-0.02	0.23	0.08	0.02	0.07	0.02	0.01
		72	0.45	0.54	-8.15e-03	0.39	0.14	0.24	0.08	0.01	0.08	0.01	-0.01
64	42	64	0.29	0.07	-0.34	0.06	-0.33	0.08	-0.02	-0.06	-0.06	-0.02	6.92e-03
		57	0.52	0.45	-0.35	0.11	-0.01	0.40	0.01	-0.05	-0.05	8.95e-03	-7.70e-03
		65	0.43	0.34	-0.22	0.14	-0.02	0.27	0.08	0.02	0.07	0.02	0.01
		72	0.47	0.58	-0.04	0.39	0.14	0.28	0.08	0.01	0.08	0.01	-0.01
		64	0.30	0.09	-0.36	0.06	-0.32	0.12	-0.02	-0.06	-0.06	-0.02	6.80e-03
64	43	57	0.48	0.42	-0.31	0.13	-0.02	0.36	0.01	-0.05	-0.04	9.11e-03	-7.63e-03
		65	0.41	0.31	-0.18	0.15	-0.02	0.23	0.08	0.02	0.07	0.02	0.01
		72	0.45	0.54	-0.01	0.39	0.14	0.25	0.08	0.01	0.08	0.01	-0.01
		64	0.29	0.07	-0.34	0.06	-0.33	0.08	-0.02	-0.06	-0.06	-0.02	6.89e-03
64	44	57	0.52	0.45	-0.35	0.11	-0.01	0.39	0.01	-0.05	-0.05	8.95e-03	-7.69e-03
		65	0.43	0.33	-0.22	0.14	-0.02	0.26	0.08	0.02	0.07	0.02	0.01
		72	0.47	0.57	-0.04	0.39	0.14	0.28	0.08	0.01	0.08	0.01	-0.01
		64	0.30	0.09	-0.35	0.06	-0.32	0.11	-0.02	-0.06	-0.06	-0.02	6.80e-03
64	45	57	0.48	0.42	-0.31	0.13	-0.02	0.36	0.01	-0.05	-0.04	9.12e-03	-7.63e-03
		65	0.41	0.31	-0.18	0.15	-0.02	0.23	0.08	0.02	0.07	0.02	0.01
		72	0.45	0.54	-0.01	0.39	0.14	0.25	0.08	0.01	0.08	0.01	-0.01
		64	0.29	0.07	-0.34	0.06	-0.33	0.08	-0.02	-0.06	-0.06	-0.02	6.91e-03
64	46	57	0.52	0.45	-0.35	0.11	-0.01	0.39	0.01	-0.05	-0.05	8.97e-03	-7.68e-03
		65	0.43	0.33	-0.22	0.14	-0.02	0.26	0.08	0.02	0.07	0.02	0.01
		72	0.47	0.57	-0.04	0.39	0.14	0.28	0.08	0.01	0.08	0.01	-0.01
		64	0.30	0.09	-0.35	0.06	-0.32	0.11	-0.02	-0.06	-0.06	-0.02	6.82e-03
64	47	57	0.48	0.42	-0.31	0.13	-0.02	0.36	0.01	-0.05	-0.04	9.13e-03	-7.61e-03
		65	0.41	0.31	-0.17	0.15	-0.02	0.23	0.08	0.02	0.07	0.02	0.01
		72	0.45	0.54	-8.16e-03	0.39	0.14	0.24	0.08	0.01	0.08	0.01	-0.01
		64	0.29	0.07	-0.34	0.06	-0.33	0.08	-0.02	-0.06	-0.06	-0.02	6.91e-03
64	48	57	0.52	0.45	-0.35	0.11	-0.01	0.40	0.01	-0.05	-0.05	8.93e-03	-7.70e-03
		65	0.43	0.34	-0.22	0.14	-0.02	0.27	0.08	0.02	0.07	0.02	0.01
		72	0.47	0.58	-0.04	0.39	0.14	0.28	0.08	0.01	0.08	0.01	-0.01
		64	0.30	0.09	-0.36	0.06	-0.32	0.12	-0.02	-0.06	-0.06	-0.02	6.79e-03
64	49	57	0.48	0.42	-0.31	0.13	-0.02	0.36	0.01	-0.05	-0.04	9.14e-03	-7.61e-03
		65	0.41	0.31	-0.17	0.15	-0.02	0.23	0.08	0.02	0.07	0.02	0.01
		72	0.45	0.54	-8.15e-03	0.39	0.14	0.24	0.08	0.01	0.08	0.01	-0.01
		64	0.29	0.07	-0.34	0.06	-0.33	0.08	-0.02	-0.06	-0.06	-0.02	6.92e-03



		65	0.38	0.29	-0.13	0.17	-0.01	0.19	0.08	0.02	0.07	0.02	0.01
		72	0.43	0.51	0.02	0.39	0.14	0.21	0.08	0.01	0.08	0.01	-0.01
		64	0.29	0.06	-0.33	0.06	-0.33	0.04	-0.02	-0.06	-0.05	-0.02	7.01e-03
64	70	57	0.55	0.48	-0.39	0.10	-0.01	0.43	9.86e-03	-0.05	-0.05	8.79e-03	-7.75e-03
		65	0.46	0.36	-0.26	0.12	-0.02	0.30	0.07	0.02	0.07	0.02	0.01
		72	0.50	0.61	-0.08	0.39	0.14	0.32	0.08	0.01	0.08	0.01	-0.01
		64	0.32	0.11	-0.38	0.06	-0.32	0.15	-0.02	-0.06	-0.06	-0.02	6.71e-03
64	71	57	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		65	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
		72	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		64	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
64	72	57	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		65	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
		72	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		64	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
64	73	57	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		65	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
		72	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		64	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
64	74	57	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		65	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
		72	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		64	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
64	75	57	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		65	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
		72	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		64	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
64	76	57	0.50	0.44	-0.33	0.12	-0.02	0.38	0.01	-0.05	-0.05	9.04e-03	-7.66e-03
		65	0.42	0.32	-0.20	0.14	-0.02	0.25	0.08	0.02	0.07	0.02	0.01
		72	0.46	0.56	-0.03	0.39	0.14	0.26	0.08	0.01	0.08	0.01	-0.01
		64	0.30	0.08	-0.35	0.06	-0.32	0.10	-0.02	-0.06	-0.06	-0.02	6.86e-03
<b>Elem.</b>		<b>Von Mises</b>		<b>N max</b>	<b>N min</b>	<b>N 1</b>	<b>N 2</b>	<b>N 1-2</b>	<b>M max</b>	<b>M min</b>	<b>M 1</b>	<b>M 2</b>	<b>M 1-2</b>
		90.97		129.89	-40.09	-32.98	-20.41	-51.86	14.81	-14.82	-14.79	-4.61	-1.14
					46.28	46.28	115.97	51.86			14.78	3.47	1.14

# VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

## LEGENDA TABELLA VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

Per le pareti in c.a. progettate in ottemperanza al cap. 7 del DM 14-01-08 vengono riportate 4 tabelle. In particolare per ogni parete si riportano:

- una tabella riassuntiva della geometria e dello stato di verifica per compressione assiale, pressoflessione e taglio; per le estese debolmente armate anche lo stato di verifica relativo alla snellezza.
- una tabella nella quale, per ogni quota significativa, si riporta l'armatura verticale di base e della zona confinata, eventuale armatura concentrata all'estremità per le estese debolmente armate, l'armatura orizzontale, l'esito delle 5 verifiche condotte, lo sforzo assiale aggiuntivo per  $q$  superiore a 2 e i valori di involuppo di taglio e momento
- una tabella nella quale, per ogni quota significativa, si riportano le azioni che hanno reso massimo il valore delle 5 verifiche condotte (in particolare le verifiche a taglio sono influenzate dal valore dello sforzo assiale e del momento). Le azioni derivate dall'analisi, in ogni combinazione di calcolo, sono elaborate come previsto al punto 7.4.4.5.1: traslazione del momento, incremento e variazione diagramma taglio, incremento e decremento sforzo assiale
- una tabella riassuntiva dei parametri utilizzati per le verifiche a taglio per ogni quota significativa.

<b>Tabella 1</b>	
<b>H totale</b>	Altezza complessiva della parete
<b>Spessore</b>	Spessore della parete
<b>H critica</b>	Altezza come da punto 7.4.4.5.1 per traslazione momento
<b>H critica V</b>	Altezza come da punto 7.4.6.1.4 per la definizione della zona critica e zona confinata
<b>L totale</b>	Larghezza di base della parete
<b>L confinata</b>	Larghezza della zona confinata
<b>Verif. N</b>	Verifica di cui al punto 7.4.4.5.2.1 compressione semplice
<b>Verif. N-M</b>	Verifica di cui al punto 7.4.4.5.2.1 pressoflessione
<b>Verif. Snellezza</b>	Verifica di cui al punto 7.4.4.5.2.1 limitazione compressione per prevenire l'instabilità
<b>Fattore V</b>	Fattore di amplificazione del taglio di cui al punto 7.4.4.5.1
<b>Diagramma V</b>	Diagramma elaborato per effetto modi superiori come da fig. 7.4.2
<b>Verif. V</b>	Verifica di cui al punto 7.4.4.5.2.2 taglio (compressione cls, trazione acciaio, scorrimento in zona critica)
<b>Tabella 2</b>	
<b>Af conf.</b>	Numero e diametro armatura presente in una zona confinata
<b>Af std</b>	Diametro e passo armatura in zona non confinata (doppia maglia)
<b>Af estremi</b>	Diametro dei ferri di estremità del pannello; se posto uguale 0, viene utilizzato il diametro standard
<b>Af V (ori)</b>	Diametro e passo armatura orizzontale (doppia maglia)
<b>Ver. N</b>	Rapporto tra azione di calcolo e resistenza a compressione (normalizzato a 1 in quanto da confrontare con 40% in CDB e 35 % in CDA)
<b>Ver. N/M</b>	Rapporto tra azione di calcolo e resistenza a pressoflessione
<b>Ver. Snell.</b>	Rapporto tra la snellezza dell'elemento e la snellezza lim. come da formula 4.1.33
<b>Ver. V cls</b>	Rapporto tra azione di calcolo e resistenza a taglio-compressione
<b>Ver. V acc</b>	Rapporto tra azione di calcolo e resistenza a taglio-trazione
<b>Ver. V scorr.</b>	Rapporto tra azione di calcolo e resistenza a taglio scorrimento
<b>N add</b>	Sforzo assiale di cui al punto 7.4.4.5.1 da sommare e sottrarre nelle verifiche quando $q$ supera 2
<b>M invil</b>	Inviluppo del momento come al punto 7.4.4.5.1 (informativo)
<b>V invil</b>	Inviluppo del taglio come al punto 7.4.4.5.1 (informativo)
<b>Tabella 3</b>	
<b>N v.N</b>	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
<b>N v.M/N, M v.M/N</b>	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
<b>N v.M/N, M v.M/N Mo v.M/N</b>	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
<b>N v.Vcls, V v.Vcls,</b>	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore
<b>N v.Vacc, M v.Vacc, V v.Vacc,</b>	Valore dello sforzo assiale, momento e taglio per cui Ver. V. acc attinge il massimo valore
<b>N v.Vscorr, M v.Vscorr, V v.Vscorr,</b>	Valore dello sforzo assiale, momento e taglio per cui Ver. V. scorr.e
<b>Tabella 4</b>	
<b>CtgT Vcls</b>	Valore di $ctg(\theta)$ adottato nella verifica V compressione cls
<b>Vrsd Vcls</b>	Valore della resistenza a taglio trazione (armatura di calcolo)
<b>Vrcd Vcls</b>	Valore della resistenza a taglio compressione
<b>CtgT Vacc</b>	Valore di $ctg(\theta)$ adottato nella verifica V trazione armatura
<b>Vrsd Vacc</b>	Valore della resistenza a taglio trazione (armatura presente)
<b>Vrcd Vacc</b>	Valore della resistenza a taglio compressione
<b>Vdd</b>	Valore del contributo alla resistenza allo scorrimento come da [7.4.19]
<b>Vid</b>	Valore del contributo alla resistenza allo scorrimento come da [7.4.20]
<b>Vfd</b>	Valore del contributo alla resistenza allo scorrimento come da [7.4.21]

Nel caso dei gusci e nel caso in cui la progettazione della parete sia integrata o effettuata del tutto con progettazione locale si produce una tabella nella quale vengono riportati per ogni macroelemento il numero dello stesso ed il codice di verifica.

Per la progettazione con il metodo degli stati limite vengono riportati il rapporto  $x/d$ , la verifica per sollecitazioni ultime e la verifica per compressione media con l'indicazione delle due combinazioni in cui si sono attinti i rispettivi valori.

Nel caso in cui si sia proceduto alla progettazione con le tensioni ammissibili vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima compressione media nel calcestruzzo, massima tensione nell'acciaio) con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.

Per ogni elemento viene riportata inoltre la maglia di armatura necessaria in relazione alle risultanze della progettazione dei nodi dell'elemento stesso (diametri in mm, passi in cm). Le quantità di armature necessarie

sono armature (disposte rispettivamente in direzione principale e secondaria, inferiore e superiore) distribuite nell'elemento ed espresse in centimetri quadri per sviluppo lineare pari ad un metro.

In particolare i simboli utilizzati assumono il seguente significato:

<b>M_S</b>	macroelemento di tipo setto (elementi verticali contigui ed analoghi per proprietà)	
<b>M_G</b>	macroelemento di tipo guscio (elementi non verticali contigui ed analoghi per proprietà)	
<b>Stato</b>	codice di verifica dell'elemento	
<b>Nodo</b>	numero del nodo	
<b>x/d</b>	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)	
<b>verif.</b>	rapporto Sd/Su con sollecitazioni ultime: valore minore o uguale a 1 per verifica positiva	
<b>Ver.rd</b>	rapporto Nd/Nu (Nu ottenuto con riduzione del 25% di fcd): valore minore o uguale a 1 per verifica positiva	
<b>Rete pr</b>	maglia di armatura (diametro/passi) in direzione principale inferiore e superiore	
<b>Rete sec</b>	maglia di armatura (diametro/passi) in direzione secondaria inferiore e superiore	
<b>Aggiuntivi</b>	relativa armatura aggiuntiva (diametro/passi) inferiore (i) e superiore (s) eventualmente differenziate	
<b>sc max</b>	massima tensione di compressione del calcestruzzo	
<b>sc med</b>	massima tensione media di compressione del calcestruzzo	
<b>sf max</b>	massima tensione dell'acciaio	
<b>Rif. cmb</b>	combinazioni di carico in cui si verificano i valori riportati	
<b>Af pr-</b>	quantità di armatura richiesta in direzione principale relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)	
<b>Af pr+</b>	quantità di armatura richiesta in direzione principale relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)	
<b>Af sec-</b>	<b>Af sec+</b>	valori analoghi a quelli soprariportati ma relativi alla armatura secondaria
<b>N</b>	<b>M</b>	azioni membranali e flessionali (in direzione dell'armatura principale e secondaria) estratte, poiché rappresentative, tra quelle utilizzate per il progetto e la verifica

## Progettazione delle fondazioni

Il D.M.14/02/2008 - par: 7.2.5 prevede:

“Per le strutture progettate sia per CD “A” sia per CD “B” il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azioni in fondazione le resistenze degli elementi strutturali soprastanti [...] si richiede tuttavia che tali azioni risultino non maggiori di quelle trasferite dagli elementi soprastanti, amplificate con un  $\gamma_{Rd}$  pari a 1,1 in CD “B” e 1,3 in CD “A” e comunque non maggiori di quelle derivanti da una analisi elastica della struttura in elevazione eseguita con un fattore di struttura q pari a 1....”

Nel contesto visualizzazione risultati e nella stampa della relazione sulle fondazioni PRO\_SAP mostra le sollecitazioni che derivano dall'analisi non incrementate sia in termini di pressioni sul terreno che in termini di sollecitazioni.

La progettazione degli elementi strutturali con proprietà fondazione è effettuata da PRO\_SAP (per travi e platee) o da PRO\_CAD Plinti (per plinti e pali di fondazione) incrementando le sollecitazioni delle combinazioni con sisma del fattore:  $\gamma_{rd} = 1.1$  in CDB  $\gamma_{rd} = 1.3$  in CDA per pali, plinti, travi e platee.

Per i bicchieri dei plinti di fondazione prefabbricati l'incremento delle sollecitazioni ha un fattore:  $\gamma_{rd} = 1.2$  in CDB  $\gamma_{rd} = 1.35$  in CDA.

N.B.: se il fattore di struttura q è =1 la progettazione viene effettuata senza nessun incremento.

Le verifiche geotecniche vengono effettuate dal modulo geotecnico incrementando automaticamente le sollecitazioni del fattore:  $\gamma_{rd} = 1.1$  in CDB  $\gamma_{rd} = 1.3$  in CDA per pali, plinti, travi e platee.

N.B.: se il fattore di struttura q è =1 le verifiche geotecniche vengono effettuate senza nessun incremento.

GuscioStato	Nodo	x/d	verif.	ver. rid	Rif. cmb	Af pr-	Af pr+	Af sec-	Af sec+	Rete pr + Aggiuntivi	Rete sec + Aggiuntivi	
1	ok	4	0.95	0.77	0.02	25,25	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		3	0.95	0.29	3.47e-03	37,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		2	0.95	0.67	0.01	36,36	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		1	0.95	0.66	0.02	36,36	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
2	ok	4	0.95	0.71	0.01	25,25	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		3	0.95	0.29	4.71e-03	37,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		5	0.95	0.28	3.49e-03	33,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		6	0.95	0.72	0.01	33,33	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
3	ok	6	0.95	0.72	0.01	25,25	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		5	0.95	0.28	4.14e-03	37,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		7	0.95	0.28	3.67e-03	37,20	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		8	0.95	0.70	0.01	37,37	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
4	ok	8	0.95	0.69	0.01	29,29	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		7	0.95	0.28	3.61e-03	25,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		9	0.95	0.28	4.20e-03	25,20	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		10	0.95	0.73	0.02	33,33	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
5	ok	10	0.95	0.72	0.01	25,25	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		9	0.95	0.28	3.47e-03	29,20	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		11	0.95	0.29	4.73e-03	25,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		12	0.95	0.72	0.01	33,33	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
6	ok	14	0.95	0.66	0.02	28,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		13	0.95	0.66	0.01	28,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		11	0.95	0.28	3.49e-03	29,20	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		12	0.95	0.78	0.02	33,33	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
7	NV	16	0.95	0.65	0.01	29,29	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		15	0.95	0.96	0.02	28,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		13	0.95	0.73	0.02	28,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		14	0.95	1.51	0.04	26,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
8	NV	1	0.95	1.52	0.04	34,36	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		2	0.95	0.75	0.02	36,36	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		15	0.95	0.97	0.02	32,32	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		16	0.95	0.66	0.01	37,37	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
9	ok	3	0.95	0.23	4.68e-03	8,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		18	0.95	0.19	3.72e-03	16,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		17	0.95	0.41	8.60e-03	24,24	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		2	0.95	0.52	0.01	24,30	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
10	ok	3	0.95	0.19	4.51e-03	8,33	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		18	0.95	0.22	4.29e-03	16,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		19	0.95	0.18	3.60e-03	16,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		5	0.95	0.20	4.09e-03	16,33	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
11	ok	5	0.95	0.19	3.92e-03	20,33	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		19	0.95	0.20	3.98e-03	16,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		20	0.95	0.19	3.69e-03	8,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		7	0.95	0.20	3.95e-03	16,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
12	ok	7	0.95	0.20	4.01e-03	12,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		20	0.95	0.19	3.64e-03	20,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		21	0.95	0.20	4.05e-03	12,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		9	0.95	0.19	3.74e-03	8,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
13	ok	9	0.95	0.21	4.18e-03	12,25	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		21	0.95	0.18	3.60e-03	20,20	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		22	0.95	0.22	4.34e-03	12,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		11	0.95	0.19	4.44e-03	20,25	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
14	ok	13	0.95	0.51	0.01	36,34	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		23	0.95	0.41	8.56e-03	36,36	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		22	0.95	0.19	3.77e-03	12,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		11	0.95	0.23	4.66e-03	20,20	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
15	NV	15	0.95	0.58	0.01	36,36	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		24	0.95	0.78	0.02	28,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		23	0.95	0.48	9.77e-03	36,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		13	0.95	1.01	0.02	28,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
16	NV	2	0.95	1.02	0.02	32,32	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		17	0.95	0.49	9.96e-03	32,32	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		24	0.95	0.78	0.02	32,32	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		15	0.95	0.58	0.01	24,24	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
17	ok	18	0.95	0.20	4.04e-03	16,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		26	0.95	0.19	3.77e-03	16,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		25	0.95	0.26	5.15e-03	16,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		17	0.95	0.27	5.56e-03	24,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
18	ok	18	0.95	0.19	3.72e-03	16,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		26	0.95	0.21	4.06e-03	16,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		27	0.95	0.18	3.62e-03	16,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		19	0.95	0.20	3.89e-03	8,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
19	ok	19	0.95	0.19	3.73e-03	8,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		27	0.95	0.20	3.87e-03	16,20	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		28	0.95	0.19	3.63e-03	8,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		20	0.95	0.19	3.74e-03	16,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
20	ok	20	0.95	0.19	3.79e-03	12,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		28	0.95	0.18	3.61e-03	20,20	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		29	0.95	0.20	3.92e-03	20,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		21	0.95	0.19	3.71e-03	12,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
21	ok	21	0.95	0.20	3.93e-03	20,20	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		29	0.95	0.18	3.63e-03	12,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		30	0.95	0.21	4.10e-03	20,20	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		22	0.95	0.19	3.74e-03	12,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
22	ok	23	0.95	0.28	5.60e-03	36,36	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		31	0.95	0.26	5.16e-03	20,20	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		30	0.95	0.19	3.81e-03	20,20	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)



		45	0.95	0.20	3.92e-03	8,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
45	ok	45	0.95	0.18	3.63e-03	16,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		53	0.95	0.20	3.93e-03	8,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		54	0.95	0.19	3.74e-03	16,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		46	0.95	0.21	4.10e-03	8,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
46	ok	47	0.95	0.26	5.16e-03	8,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		55	0.95	0.28	5.60e-03	24,24	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		54	0.95	0.20	4.06e-03	16,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		46	0.95	0.19	3.81e-03	8,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
47	ok	48	0.95	0.93	0.02	28,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		56	0.95	0.61	0.01	24,24	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		55	0.95	0.62	0.01	24,24	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		47	0.95	0.26	5.03e-03	24,24	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
48	ok	41	0.95	0.26	5.05e-03	32,32	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		49	0.95	0.62	0.01	36,36	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		56	0.95	0.61	0.01	36,36	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		48	0.95	0.93	0.02	32,32	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
49	ok	50	0.95	0.19	3.72e-03	12,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		58	0.95	0.23	4.68e-03	20,20	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		57	0.95	0.52	0.01	36,34	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		49	0.95	0.41	8.60e-03	36,36	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
50	ok	50	0.95	0.22	4.29e-03	12,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		58	0.95	0.19	4.51e-03	20,29	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		59	0.95	0.20	4.09e-03	12,29	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		51	0.95	0.18	3.60e-03	20,20	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
51	ok	51	0.95	0.20	3.98e-03	12,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		59	0.95	0.19	3.92e-03	16,29	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		60	0.95	0.20	3.95e-03	12,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		52	0.95	0.19	3.69e-03	20,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
52	ok	52	0.95	0.19	3.64e-03	8,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		60	0.95	0.20	4.01e-03	16,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		61	0.95	0.19	3.74e-03	20,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		53	0.95	0.20	4.05e-03	16,16	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
53	ok	53	0.95	0.18	3.60e-03	16,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		61	0.95	0.21	4.18e-03	16,37	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		62	0.95	0.19	4.44e-03	8,37	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		54	0.95	0.22	4.34e-03	8,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
54	ok	55	0.95	0.41	8.56e-03	24,24	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		63	0.95	0.51	0.01	24,30	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		62	0.95	0.23	4.66e-03	8,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		54	0.95	0.19	3.77e-03	8,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
55	NV	56	0.95	0.78	0.02	32,32	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		64	0.95	0.58	0.01	24,24	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		63	0.95	1.01	0.02	32,32	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		55	0.95	0.48	9.77e-03	24,32	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
56	NV	49	0.95	0.49	9.96e-03	28,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		57	0.95	1.02	0.02	28,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		64	0.95	0.58	0.01	36,36	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		56	0.95	0.78	0.02	28,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
57	ok	58	0.95	0.29	3.47e-03	25,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		66	0.95	0.77	0.02	37,37	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		65	0.95	0.66	0.02	28,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		57	0.95	0.67	0.01	24,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
58	ok	58	0.95	0.29	4.71e-03	25,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		66	0.95	0.71	0.01	37,37	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		67	0.95	0.72	0.01	29,29	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		59	0.95	0.28	3.49e-03	29,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
59	ok	59	0.95	0.28	4.14e-03	25,12	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		67	0.95	0.72	0.01	37,37	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		68	0.95	0.70	0.01	25,25	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		60	0.95	0.28	3.67e-03	25,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
60	ok	60	0.95	0.28	3.61e-03	37,20	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		68	0.95	0.69	0.01	33,33	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		69	0.95	0.73	0.02	29,29	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		61	0.95	0.28	4.20e-03	37,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
61	ok	61	0.95	0.28	3.47e-03	33,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		69	0.95	0.72	0.01	33,33	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		70	0.95	0.72	0.01	29,29	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		62	0.95	0.29	4.73e-03	33,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
62	ok	63	0.95	0.66	0.01	32,32	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		71	0.95	0.66	0.02	32,32	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		70	0.95	0.78	0.02	29,29	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		62	0.95	0.28	3.49e-03	33,8	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
63	NV	64	0.95	0.96	0.02	32,32	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		72	0.95	0.65	0.01	33,33	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		71	0.95	1.51	0.04	38,32	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		63	0.95	0.73	0.02	32,32	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
64	NV	57	0.95	0.75	0.02	28,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		65	0.95	1.52	0.04	26,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		72	0.95	0.66	0.01	25,25	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)
		64	0.95	0.97	0.02	28,28	20.9	0.0	30.2	0.0	20/15+(20/0 i 20/0 s)	24/15+(24/0 i 24/0 s)

Guscio x/d verif. ver. rid Af pr- Af pr+ Af sec- Af sec+  
0.95 1.52 0.04 20.94 0.0 30.16 0.0

# STATI LIMITE D' ESERCIZIO

## LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio.

In particolare vengono riportati, in relazione al tipo di elemento strutturale, i risultati relativi alle tre categorie di combinazione considerate:

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

<b>rRfck</b>	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
<b>rRfyk</b>	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
<b>rPfck</b>	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]
<b>wR</b>	apertura caratteristica delle fessure in combinazioni rare [mm]
<b>wF</b>	apertura caratteristica delle fessure in combinazioni frequenti [mm]
<b>wP</b>	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]
<b>dR</b>	massima deformazione in combinazioni rare
<b>dF</b>	massima deformazione in combinazioni frequenti
<b>dP</b>	massima deformazione in combinazioni quasi permanenti

Per ognuno dei nove valori soprariportati viene indicata (Rif.cmb) la combinazione in cui si è verificato.

In relazione al tipo di elemento strutturale i valori sono selezionati nel modo seguente:

pilastr	<b>rRfck</b>	<b>rRfyk</b>	<b>rPfck</b>	per sezioni significative
travi	<b>rRfck</b> <b>wR</b> <b>dR</b>	<b>rRfyk</b> <b>wF</b> <b>dF</b>	<b>rPfck</b> <b>wP</b> <b>dP</b>	per sezioni significative per sezioni significative massimi in campata
setti e gusci	<b>rRfck</b> <b>wR</b>	<b>rRfyk</b> <b>wF</b>	<b>rPfck</b> <b>wP</b>	massimi nei nodi dell'elemento massimi nei nodi dell'elemento

Si precisa che i valori di massima deformazione per travi sono riferiti al piano verticale (piano locale 1-2 con momenti flettenti 3-3).

<b>Guscio</b>	<b>rRfck</b>	<b>rRfyk</b>	<b>rPfck</b>	<b>Rif. cmb</b>	<b>wR</b> mm	<b>wF</b> mm	<b>wP</b> mm	<b>Rif. cmb</b>
1	1.69e-03	1.46e-03	2.25e-03	5,5,75	0.0	0.0	0.0	0,0,0
2	1.83e-03	1.16e-03	2.44e-03	5,5,75	0.0	0.0	0.0	0,0,0
3	2.39e-03	5.75e-04	3.19e-03	5,5,75	0.0	0.0	0.0	0,0,0
4	2.39e-03	5.75e-04	3.19e-03	5,5,75	0.0	0.0	0.0	0,0,0
5	1.83e-03	1.16e-03	2.44e-03	5,5,75	0.0	0.0	0.0	0,0,0
6	1.69e-03	1.46e-03	2.25e-03	5,5,75	0.0	0.0	0.0	0,0,0
7	2.88e-03	9.90e-04	3.85e-03	5,5,75	0.0	0.0	0.0	0,0,0
8	2.88e-03	9.90e-04	3.85e-03	5,5,75	0.0	0.0	0.0	0,0,0
9	6.34e-04	8.56e-04	8.46e-04	5,5,75	0.0	0.0	0.0	0,0,0
10	7.28e-04	7.39e-04	9.71e-04	5,5,75	0.0	0.0	0.0	0,0,0
11	9.49e-04	5.95e-04	1.27e-03	5,5,75	0.0	0.0	0.0	0,0,0
12	9.49e-04	5.95e-04	1.27e-03	5,5,75	0.0	0.0	0.0	0,0,0
13	7.28e-04	7.39e-04	9.71e-04	5,5,75	0.0	0.0	0.0	0,0,0
14	6.34e-04	8.56e-04	8.46e-04	5,5,75	0.0	0.0	0.0	0,0,0
15	5.64e-04	5.76e-04	7.51e-04	5,5,75	0.0	0.0	0.0	0,0,0
16	5.64e-04	5.76e-04	7.51e-04	5,5,75	0.0	0.0	0.0	0,0,0
17	5.03e-04	5.98e-04	6.71e-04	5,5,75	0.0	0.0	0.0	0,0,0
18	5.13e-04	5.87e-04	6.85e-04	5,5,75	0.0	0.0	0.0	0,0,0
19	6.77e-04	5.09e-04	9.03e-04	5,5,75	0.0	0.0	0.0	0,0,0
20	6.77e-04	5.09e-04	9.03e-04	5,5,75	0.0	0.0	0.0	0,0,0
21	5.13e-04	5.87e-04	6.85e-04	5,5,75	0.0	0.0	0.0	0,0,0
22	5.03e-04	5.98e-04	6.71e-04	5,5,75	0.0	0.0	0.0	0,0,0
23	4.21e-04	3.50e-04	5.62e-04	5,5,75	0.0	0.0	0.0	0,0,0
24	4.21e-04	3.50e-04	5.62e-04	5,5,75	0.0	0.0	0.0	0,0,0
25	3.84e-04	3.19e-04	5.12e-04	5,5,75	0.0	0.0	0.0	0,0,0
26	2.69e-04	4.48e-04	3.59e-04	5,5,75	0.0	0.0	0.0	0,0,0
27	4.78e-04	4.19e-04	6.38e-04	5,5,75	0.0	0.0	0.0	0,0,0
28	4.78e-04	4.19e-04	6.38e-04	5,5,75	0.0	0.0	0.0	0,0,0
29	2.69e-04	4.48e-04	3.59e-04	5,5,75	0.0	0.0	0.0	0,0,0
30	3.84e-04	3.19e-04	5.12e-04	5,5,75	0.0	0.0	0.0	0,0,0
31	3.42e-04	2.84e-04	4.56e-04	5,5,75	0.0	0.0	0.0	0,0,0
32	3.42e-04	2.84e-04	4.56e-04	5,5,75	0.0	0.0	0.0	0,0,0
33	3.84e-04	3.19e-04	5.12e-04	5,5,75	0.0	0.0	0.0	0,0,0
34	2.69e-04	4.48e-04	3.59e-04	5,5,75	0.0	0.0	0.0	0,0,0
35	4.78e-04	4.19e-04	6.38e-04	5,5,75	0.0	0.0	0.0	0,0,0
36	4.78e-04	4.19e-04	6.38e-04	5,5,75	0.0	0.0	0.0	0,0,0
37	2.69e-04	4.48e-04	3.59e-04	5,5,75	0.0	0.0	0.0	0,0,0
38	3.84e-04	3.19e-04	5.12e-04	5,5,75	0.0	0.0	0.0	0,0,0
39	3.42e-04	2.84e-04	4.56e-04	5,5,75	0.0	0.0	0.0	0,0,0
40	3.42e-04	2.84e-04	4.56e-04	5,5,75	0.0	0.0	0.0	0,0,0
41	5.03e-04	5.98e-04	6.71e-04	5,5,75	0.0	0.0	0.0	0,0,0
42	5.13e-04	5.87e-04	6.85e-04	5,5,75	0.0	0.0	0.0	0,0,0
43	6.77e-04	5.09e-04	9.03e-04	5,5,75	0.0	0.0	0.0	0,0,0
44	6.77e-04	5.09e-04	9.03e-04	5,5,75	0.0	0.0	0.0	0,0,0
45	5.13e-04	5.87e-04	6.85e-04	5,5,75	0.0	0.0	0.0	0,0,0
46	5.03e-04	5.98e-04	6.71e-04	5,5,75	0.0	0.0	0.0	0,0,0
47	4.21e-04	3.50e-04	5.62e-04	5,5,75	0.0	0.0	0.0	0,0,0
48	4.21e-04	3.50e-04	5.62e-04	5,5,75	0.0	0.0	0.0	0,0,0
49	6.34e-04	8.56e-04	8.46e-04	5,5,75	0.0	0.0	0.0	0,0,0
50	7.28e-04	7.39e-04	9.71e-04	5,5,75	0.0	0.0	0.0	0,0,0
51	9.49e-04	5.95e-04	1.27e-03	5,5,75	0.0	0.0	0.0	0,0,0
52	9.49e-04	5.95e-04	1.27e-03	5,5,75	0.0	0.0	0.0	0,0,0
53	7.28e-04	7.39e-04	9.71e-04	5,5,75	0.0	0.0	0.0	0,0,0
54	6.34e-04	8.56e-04	8.46e-04	5,5,75	0.0	0.0	0.0	0,0,0
55	5.64e-04	5.76e-04	7.51e-04	5,5,75	0.0	0.0	0.0	0,0,0
56	5.64e-04	5.76e-04	7.51e-04	5,5,75	0.0	0.0	0.0	0,0,0
57	1.69e-03	1.46e-03	2.25e-03	5,5,75	0.0	0.0	0.0	0,0,0
58	1.83e-03	1.16e-03	2.44e-03	5,5,75	0.0	0.0	0.0	0,0,0
59	2.39e-03	5.75e-04	3.19e-03	5,5,75	0.0	0.0	0.0	0,0,0
60	2.39e-03	5.75e-04	3.19e-03	5,5,75	0.0	0.0	0.0	0,0,0
61	1.83e-03	1.16e-03	2.44e-03	5,5,75	0.0	0.0	0.0	0,0,0
62	1.69e-03	1.46e-03	2.25e-03	5,5,75	0.0	0.0	0.0	0,0,0
63	2.88e-03	9.90e-04	3.85e-03	5,5,75	0.0	0.0	0.0	0,0,0
64	2.88e-03	9.90e-04	3.85e-03	5,5,75	0.0	0.0	0.0	0,0,0
<b>Guscio</b>	<b>rRfck</b> 2.88e-03	<b>rRfyk</b> 1.46e-03	<b>rPfck</b> 3.85e-03		<b>wR</b> 0.0	<b>wF</b> 0.0	<b>wP</b> 0.0	