



# COMUNE DI PRATO

SERVIZIO "GOVERNO DEL TERRITORIO"  
*U.O.C "Tutela dell'Ambiente"*



Progetto Esecutivo

## **PROGETTO ESECUTIVO - Piano risanamento acustico- Realizzazione barriera antirumore su Viale Fratelli Cervi**

TITOLO: <b>FASCICOLO DEI CALCOLI</b>	Codice: 4
Oggetto: Relazione tecnica delle fondazioni	Elab.: <b>A4.doc</b>
Gruppo di progettazione: Dott. Sergio Spagnesi Ing. Serena Gatti Geom. Nunzio Miceli	Scala:
Rilievo topografico: Geom. Stefano Innocenti	Data: <b>SETTEMBRE 2016</b>
Coordinatore alla sicurezza e indagini geologiche: Geol. Gianluca Gallio	Revisione: <b>1</b>
Progetto acustico: Ing. Francesco Borchi Arch. Lucia Busa	
Collaboratori: Geom. Fabio Galgani	

Responsabile della UOC - Tutela dell'ambiente: Dott. SPAGNESI Sergio

Dirigente del servizio Governo del territorio - Arch. Riccardo Pecorario

**Descrizione generale dell'opera**

Ubicazione	Comune di PRATO (PO) (Regione TOSCANA)
	Località PRATO (PO)
	Longitudine 11.096, Latitudine 43.880

**Parametri della struttura**

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

**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
<b>Azione sismica</b>	
Norma applicata per l' azione sismica	D.M. 14-01-2008

**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
---	----

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
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: <a href="http://www.2si.it/Software/Affidabilità.htm">http://www.2si.it/Software/Affidabilità.htm</a>

Modellazione della geometria e proprietà meccaniche:	
nodi	138
elementi D2 (per aste, travi, pilastri...)	12
elementi D3 (per pareti, platee, gusci...)	105
elementi solaio	0
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	0.00
Xmax =	1500.00
Ymin =	-80.00
Ymax =	80.00
Zmin =	0.00
Zmax =	430.00

<b>Strutture verticali:</b>	
Elementi di tipo asta	NO
Pilastri	SI
Pareti	SI
Setti (a comportamento membranale)	NO
<b>Strutture non verticali:</b>	
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	NO
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

### Combinazioni dei casi di carico

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

## Materiali

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
		daN/cm <sup>2</sup>	daN/cm <sup>2</sup>		daN/cm <sup>2</sup>	daN/cm <sup>3</sup>	
1	Calcestruzzo Classe C25/30		3.145e+05	0.20	1.310e+05	2.50e-03	1.00e-05
	Rck	300.0					
	fctm	25.6					
10	acciaio Fe360 - S235		2.100e+06	0.30	8.077e+05	7.80e-03	1.20e-05
	ft	3600.0					
	fy	2350.0					
	fd	2350.0					
	fdt	2100.0					
	sadm	1600.0					
	sadmt	1400.0					
41	legno lamellare incollato combinato GL28c - UNI EN 1194 2000 Per EC5		1.260e+05	0.0	7200.0	4.00e-04	0.0
	Modulo E0,05		1.020e+05				
	Lamellare =Si						
	Resist. fc0k	240.0					
	Resist. ft0k	165.0					
	Resist. fmk	280.0					

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
	Resist. fvk		27.0				
<b>Aste acc.</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>							
Beta assegnato		0.80	0.80				
Verifica come controvento		No	No				
Usa condizioni I e II		Si	Si				
Coefficiente gamma M0		1.05	1.05				
Coefficiente gamma M1		1.05	1.05				
Coefficiente gamma M2		1.25	1.25				

<b>Pilastrini acc.</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>Lunghezze libere</b>						
Metodo di calcolo 2-2	Assegnato	Assegnato				
2-2 Beta assegnato	2.00	2.00				
2-2 Beta * L assegnato [ cm ]	0.0	0.0				
Metodo di calcolo 3-3	Assegnato	Assegnato				
3-3 Beta assegnato	2.00	2.00				
3-3 Beta * L assegnato [ cm ]	0.0	0.0				
1-1 Beta assegnato	1.00	1.00				
1-1 Beta * L assegnato [ cm ]	0.0	0.0				
<b>Generalità</b>						
Coefficiente gamma M0	1.05	1.05				
Coefficiente gamma M1	1.05	1.05				
Coefficiente gamma M2	1.25	1.25				
Effetti del 2 ordine	Si	Si				
Momenti equivalenti	Si	Si				
Usa condizioni I e II	Si	Si				

<b>Travi acc.</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>Lunghezze libere</b>						
3-3 Beta * L automatico	Si	Si				
3-3 Beta assegnato	1.00	1.00				
3-3 Beta assegnato [ cm ]	0.0	0.0				
2-2 Beta * L automatico	Si	Si				
2-2 Beta assegnato	1.00	1.00				
2-2 Beta * L assegnato [ cm ]	0.0	0.0				
1-1 Beta * L automatico	Si	Si				
1-1 Beta assegnato	1.00	1.00				
1-1 Beta * L assegnato [ cm ]	0.0	0.0				
<b>Generalità</b>						
Coefficiente gamma M0	1.05	1.05				
Coefficiente gamma M1	1.05	1.05				
Coefficiente gamma M2	1.25	1.25				
Luce di taglio per GR [ cm ]	1.00	1.00				
Usa condizioni I e II	Si	Si				
Momenti equivalenti	Si	Si				

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
<b>Generalità</b>						
Progetto armatura	Composto con parete sismica	Composto con parete sismica				
<b>Armatura</b>						
Inclinazione Av [ gradi ]	90.00	90.00				
Angolo Av-Ao [ gradi ]	90.00	90.00				
Minima tesa	0.25	0.25				
Massima tesa	4.00	4.00				
Maglia unica centrale	No	No				
Copriferro [ cm ]	2.00	2.00				
<b>Maglia V</b>						
diametro	16	10				
passo	25	25				
diametro aggiuntivi	12	12				
<b>Maglia O</b>						
diametro	16	8				
passo	25	25				
diametro aggiuntivi	8	8				
<b>Stati limite ultimi</b>						
Tensione fy [daN/cm2 ]	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				
Fattore di confidenza FC	0.0	0.0				
Verifiche con N costante	Si	Si				
<b>Tensioni ammissibili</b>						
Tensione amm. cls [daN/cm2 ]	97.50	97.50				
Tensione amm. acciaio [daN/cm2 ]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Massimo rapporto area compressa/tesa	1.00	1.00				
<b>Parete sismica</b>						
Fattore amplificazione taglio V	1.50	1.50				
Hcrit. par. 7.4.4.5.1 [ cm ]	0.0	0.0				
Hcrit. par. 7.4.6.1.4 [ cm ]	0.0	0.0				
Usa diagramma di fig. 7.4.2	Si	No				
Verifica come fascia	No	No				
<b>Zona confinata</b>						
Minima tesa	1.00	1.00				
Massima tesa	4.00	4.00				
Distanza barre [ cm ]	2.00	2.00				
Interferro	2	2				
<b>Armatura inclinata</b>						
Area barre [ cm2 ]	0.0	0.0				
Angolo orizzontale [ gradi ]	0.0	0.0				
Distanza di base [ cm ]	0.0	0.0				
<b>Resistenza al fuoco</b>						
3- intradosso	No	No				
3+ estradosso	No	No				
Tempo di esposizione R	15	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	0.0				
Angolo Ax-Ay [ gradi ]	90.00	90.00				
Minima tesa	0.31	0.31				
Massima tesa	0.78	0.78				
Maglia unica centrale	No	No				
Copriferro [ cm ]	2.00	2.00				
<b>Maglia x</b>						
diametro	10	16				
passo	20	20				
diametro aggiuntivi	12	12				
<b>Maglia y</b>						
diametro	10	16				
passo	20	20				
diametro aggiuntivi	12	12				
<b>Stati limite ultimi</b>						
Tensione fy [daN/cm <sup>2</sup> ]	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				
Fattore di confidenza FC	0.0	0.0				
Verifiche con N costante	Si	Si				
Applica SLU da DIN	No	No				
<b>Tensioni ammissibili</b>						
Tensione amm. cls [daN/cm <sup>2</sup> ]	97.50	97.50				
Tensione amm. acciaio [daN/cm <sup>2</sup> ]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Massimo rapporto area compressa/tesa	1.00	1.00				
<b>Resistenza al fuoco</b>						
3- intradosso	No	No				
3+ estradosso	No	No				
Tempo di esposizione R	15	15				

# 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 rigidità
<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 rigidità 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.

<b>104</b>	<b>ANALISI DI RESISTENZA AL FUOCO</b>
------------	---------------------------------------

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
1	HEA 140	31.40	0.0	0.0	8.10	389.00	1033.00	55.60	155.40	84.80	173.50

## MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

### TABELLA DATI TRAVI

Il programma utilizza per la modellazione elementi a due nodi denominati in generale travi.

Ogni elemento trave è individuato dal nodo iniziale e dal nodo finale.

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

orientamento elementi 2D non verticali	orientamento elementi 2D verticali
--	------------------------------------

In particolare per ogni elemento viene indicato in tabella:

<b>Elem.</b>	numero dell'elemento
<b>Note</b>	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa,
<b>Nodo I (J)</b>	numero del nodo iniziale (finale)
<b>Mat.</b>	codice del materiale assegnato all'elemento
<b>Sez.</b>	codice della sezione assegnata all'elemento
<b>Rotaz.</b>	valore della rotazione dell'elemento, attorno al proprio asse, nel caso in cui l'orientamento di default non sia adottabile; l'orientamento di default prevede per gli elementi non verticali l'asse 2 contenuto nel piano verticale e l'asse 3 orizzontale, per gli elementi verticali l'asse 2 diretto secondo X negativo e l'asse 3 diretto secondo Y negativo
<b>Svincolo I (J)</b>	codici di svincolo per le azioni interne; i primi sei codici si riferiscono al nodo iniziale, i restanti sei al nodo finale (il valore 1 indica che la relativa azione interna non è attiva)
<b>Wink V</b>	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
<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 Settembre 2014, disponibile per il download sul sito [www.2si.it](http://www.2si.it), si segnalano i seguenti esempi applicativi:

Test N°	Titolo
<b>2</b>	TRAVI A UNA CAMPATA
<b>3</b>	TRAVE A PIU' CAMPATE
<b>4</b>	TRAVE A UNA CAMPATA SU TERRENO ALLA WINKLER
<b>5</b>	TRAVI SU TERRENO ALLA WINKLER CON CARICO TRASVERSALE
<b>6</b>	TELAI PIANI CON CERNIERE ALLA BASE
<b>7</b>	TELAI PIANI CON INCASTRI ALLA BASE
<b>11</b>	STRUTTURE SOGGETTE A VARIAZIONI TERMICHE
<b>12</b>	STRUTTURE SU TERRENO ALLA WINKLER SOTTOPOSTE A CARICHI

	DISTRIBUITI TRIANGOLARI
<b>21</b>	DRILLING
<b>24</b>	TENSIONI E ROTAZIONI RISPETTO ALLA CORDA DI ELEMENTI TRAVE
<b>27</b>	FRECCIA DI ELEMENTI TRAVE
<b>42</b>	GERARCHIA DELLE RESISTENZE PER TRAVI IN C.A.
<b>43</b>	GERARCHIA DELLE RESISTENZE PER PILASTRI IN C.A.
<b>44</b>	VERIFICA ALLE TA DI STRUTTURE IN C.A.
<b>45</b>	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
<b>47</b>	VERIFICA A PUNZONAMENTO ALLO SLU DI TRAVI IN C.A.
<b>48</b>	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
<b>49</b>	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
<b>50</b>	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
<b>51</b>	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
<b>52</b>	FATTORE DI STRUTTURA
<b>53</b>	SOVRARESISTENZE
<b>54</b>	DETTAGLI COSTRUTTIVI C.A.: LIMITI D'ARMATURA PILASTRI E NODI TRAVE-PILASTRO
<b>56</b>	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
<b>57</b>	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
<b>58</b>	LUCE LIBERA DI COLONNE IN ACCIAIO
<b>59</b>	SVERGOLAMENTO DI TRAVI IN ACCIAIO
<b>64</b>	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
<b>73</b>	VALUTAZIONE EFFETTO P- $\delta$ SU PILASTRATA
<b>74</b>	VALUTAZIONE EFFETTO P- $\delta$ SU TELAIO 3D
<b>85</b>	ANALISI PUSHOVER DI UN EDIFICIO IN C.A.
<b>87</b>	ANALISI ELASTO PLASTICA INCREMENTALE
<b>88</b>	ANALISI ELASTO PLASTICA INCREMENTALE

98	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
99	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
102	SNELLEZZE EC5
130	PROGETTO E VERIFICA DI TRAVI PREM

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Pilas.	7	127	10	1	90.00				
2	Pilas.	127	133	10	1	90.00				
3	Pilas.	111	128	10	1	90.00				
4	Pilas.	128	134	10	1	90.00				
5	Pilas.	115	129	10	1	90.00				
6	Pilas.	129	135	10	1	90.00				
7	Pilas.	119	130	10	1	90.00				
8	Pilas.	130	136	10	1	90.00				
9	Pilas.	123	131	10	1	90.00				
10	Pilas.	131	137	10	1	90.00				
11	Pilas.	8	132	10	1	90.00				
12	Pilas.	132	138	10	1	90.00				

## MODELLAZIONE STRUTTURA: 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.

orientamento elementi 3D non verticali	orientamento elementi 3D verticali
--	------------------------------------

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

<b>21</b>	DRILLING
<b>25</b>	TENSIONI DI ELEMENTI PLATE
<b>31</b>	REALIZZAZIONE DI MESH PIANA SU GEOMETRIA CON PUNTI FISSI IMPORTATA DA FILE .DXF
<b>32</b>	REALIZZAZIONE DI MESH PIANA SU GEOMETRIA CON SEGMENTI E FORI INTERNI IMPORTATA DA FILE .DXF
<b>33</b>	REALIZZAZIONE DI MESH PIANE SU GEOMETRIE COSTRUITE IN PRO_SAP
<b>34</b>	ANALISI DI BUCKLING DI PIASTRA ISOTROPA
<b>35</b>	ANALISI DI BUCKLING DI UN CILINDRO COMPRESSO INCASTRATO ALLA BASE
<b>36</b>	ANALISI DI PARETI FORATE
<b>37</b>	BIMETALLIC STRIP (NAFEMS EXERCISE 6)
<b>38</b>	ANALISI ELASTICA DI PIASTRA CON INTAGLIO CIRCOLARE (FLAT BAR WITH EDGE NOTCHES-NAFEMS EXERCISE 9)
<b>39</b>	PLATEA NERVATA
<b>45</b>	VERIFICA A PUNZONAMENTO ALLO SLU DI PIASTRE IN C.A.
<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

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore cm	Wink V daN/cm3	Wink O daN/cm3
1	Guscio fond.	3	10	9	1	1	50.0	0.68	0.32
2	Guscio fond.	1	9	47	2	1	50.0	0.68	0.32
3	Guscio fond.	45	4	6	65	1	50.0	0.68	0.32
4	Setto	111	112	92	91	1	50.0		
5	Setto	110	111	91	90	1	50.0		
6	Setto	109	110	90	89	1	50.0		
7	Setto	108	109	89	87	1	50.0		
8	Setto	7	108	87	88	1	50.0		
9	Setto	115	116	96	95	1	50.0		
10	Setto	114	115	95	94	1	50.0		
11	Setto	113	114	94	93	1	50.0		
12	Setto	112	113	93	92	1	50.0		
13	Setto	116	117	97	96	1	50.0		
14	Setto	126	8	107	106	1	50.0		
15	Setto	125	126	106	105	1	50.0		
16	Setto	124	125	105	104	1	50.0		
17	Setto	123	124	104	103	1	50.0		
18	Guscio fond.	15	17	51	50	1	50.0	0.68	0.32
19	Guscio fond.	16	18	17	15	1	50.0	0.68	0.32
20	Guscio fond.	12	14	13	11	1	50.0	0.68	0.32
21	Guscio fond.	9	11	48	47	1	50.0	0.68	0.32
22	Guscio fond.	10	12	11	9	1	50.0	0.68	0.32

23	Setto	66	68	11	9	1	50.0		
24	Setto	68	69	13	11	1	50.0		
25	Setto	69	70	15	13	1	50.0		
26	Setto	70	71	17	15	1	50.0		
27	Guscio fond.	25	27	56	55	1	50.0	0.68	0.32
28	Guscio fond.	26	28	27	25	1	50.0	0.68	0.32
29	Guscio fond.	23	25	55	54	1	50.0	0.68	0.32
30	Guscio fond.	24	26	25	23	1	50.0	0.68	0.32
31	Guscio fond.	21	23	54	53	1	50.0	0.68	0.32
32	Guscio fond.	22	24	23	21	1	50.0	0.68	0.32
33	Guscio fond.	19	21	53	52	1	50.0	0.68	0.32
34	Guscio fond.	20	22	21	19	1	50.0	0.68	0.32
35	Guscio fond.	17	19	52	51	1	50.0	0.68	0.32
36	Guscio fond.	18	20	19	17	1	50.0	0.68	0.32
37	Guscio fond.	13	15	50	49	1	50.0	0.68	0.32
38	Guscio fond.	14	16	15	13	1	50.0	0.68	0.32
39	Guscio fond.	11	13	49	48	1	50.0	0.68	0.32
40	Guscio fond.	46	5	4	45	1	50.0	0.68	0.32
41	Setto	67	66	9	1	1	50.0		
42	Setto	122	123	103	102	1	50.0		
43	Setto	137	138	132	131	41	8.0		
44	Setto	136	137	131	130	41	8.0		
45	Setto	135	136	130	129	41	8.0		
46	Setto	134	135	129	128	41	8.0		
47	Setto	133	134	128	127	41	8.0		
48	Setto	85	86	4	45	1	50.0		
49	Setto	84	85	45	43	1	50.0		
50	Setto	83	84	43	41	1	50.0		
51	Setto	82	83	41	39	1	50.0		
52	Setto	81	82	39	37	1	50.0		
53	Setto	80	81	37	35	1	50.0		
54	Setto	79	80	35	33	1	50.0		
55	Setto	78	79	33	31	1	50.0		
56	Setto	77	78	31	29	1	50.0		
57	Setto	76	77	29	27	1	50.0		
58	Setto	75	76	27	25	1	50.0		
59	Setto	74	75	25	23	1	50.0		
60	Setto	73	74	23	21	1	50.0		
61	Setto	72	73	21	19	1	50.0		
62	Setto	71	72	19	17	1	50.0		
63	Setto	121	122	102	101	1	50.0		
64	Setto	120	121	101	100	1	50.0		
65	Setto	119	120	100	99	1	50.0		
66	Setto	118	119	99	98	1	50.0		
67	Setto	117	118	98	97	1	50.0		
68	Guscio fond.	43	45	65	64	1	50.0	0.68	0.32
69	Guscio fond.	44	46	45	43	1	50.0	0.68	0.32
70	Guscio fond.	41	43	64	63	1	50.0	0.68	0.32
71	Guscio fond.	42	44	43	41	1	50.0	0.68	0.32
72	Guscio fond.	39	41	63	62	1	50.0	0.68	0.32
73	Guscio fond.	40	42	41	39	1	50.0	0.68	0.32
74	Guscio fond.	37	39	62	61	1	50.0	0.68	0.32
75	Guscio fond.	38	40	39	37	1	50.0	0.68	0.32
76	Guscio fond.	35	37	61	60	1	50.0	0.68	0.32
77	Guscio fond.	36	38	37	35	1	50.0	0.68	0.32
78	Guscio fond.	33	35	60	59	1	50.0	0.68	0.32
79	Guscio fond.	34	36	35	33	1	50.0	0.68	0.32
80	Guscio fond.	31	33	59	58	1	50.0	0.68	0.32
81	Guscio fond.	32	34	33	31	1	50.0	0.68	0.32
82	Guscio fond.	29	31	58	57	1	50.0	0.68	0.32
83	Guscio fond.	30	32	31	29	1	50.0	0.68	0.32
84	Guscio fond.	27	29	57	56	1	50.0	0.68	0.32
85	Guscio fond.	28	30	29	27	1	50.0	0.68	0.32
86	Setto	106	107	86	85	1	50.0		
87	Setto	105	106	85	84	1	50.0		
88	Setto	104	105	84	83	1	50.0		
89	Setto	103	104	83	82	1	50.0		
90	Setto	102	103	82	81	1	50.0		
91	Setto	101	102	81	80	1	50.0		
92	Setto	100	101	80	79	1	50.0		
93	Setto	99	100	79	78	1	50.0		
94	Setto	98	99	78	77	1	50.0		
95	Setto	97	98	77	76	1	50.0		
96	Setto	96	97	76	75	1	50.0		
97	Setto	95	96	75	74	1	50.0		

98	Setto	94	95	74	73	1	50.0
99	Setto	93	94	73	72	1	50.0
100	Setto	92	93	72	71	1	50.0
101	Setto	91	92	71	70	1	50.0
102	Setto	90	91	70	69	1	50.0
103	Setto	89	90	69	68	1	50.0
104	Setto	87	89	68	66	1	50.0
105	Setto	88	87	66	67	1	50.0



# 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)

**11 carico variabile generale su elementi tipo trave e piastra**

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)

Carico concentrato nodale	Spostamento impresso
Carico distribuito globale	Carico distribuito locale
Carico concentrato globale	Carico concentrato locale
Carico termico 2D	Carico termico 3D
Carico pressione uniforme	Carico pressione variabile

Tipo carico di pressione uniforme su piastra		
Id	Tipo	pressione
		daN/cm2
2	P3:ritombamento p=-6.000e-02	-0.06

Tipo carico variabile generale					
Id	Tipo	ascissa	valore	ascissa	valore
		cm	daN/cm2	cm	daN/cm2
1	QV:Carico vento				
	X - X Qy Area L2=0.0	-1.000e+04	0.01	1.000e+04	0.01

## 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:

	Sigla	Tipo	Descrizione
1	Ggk	A	caso di carico comprensivo del peso proprio struttura
2	Gk	NA	caso di carico con azioni permanenti
3	Qk	NA	caso di carico con azioni variabili
4	Gsk	A	caso di carico comprensivo dei carichi permanenti sui solai e sulle coperture
5	Qsk	A	caso di carico comprensivo dei carichi variabili sui solai
6	Qnk	A	caso di carico comprensivo dei carichi di neve sulle coperture
7	Qtk	SA	caso di carico comprensivo di una variazione termica agente sulla struttura
8	Qvk	NA	caso di carico comprensivo di azioni da vento sulla struttura
9	Esk	SA	caso di carico sismico con analisi statica equivalente
10	Edk	SA	caso di carico sismico con analisi dinamica
11	Etk	NA	caso di carico comprensivo di azioni derivanti dall' incremento di spinta delle terre in condizione sismica
12	Pk	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 solai) e pertanto la loro partecipazione è di norma pari a uno.

CDC	Tipo	Sigla Id	Note
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 11 CDC=G1k (permanente generico) .....
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	Qvk	CDC=Qvk (carico da vento) .....	D3 :da 43 a 47 Azione : QV:Carico vento
11	Gk	CDC=G1k (permanente generico) .....	D3 :da 1 a 3 Azione : P3:ritombamento p=-6.000e-02
			D3 :da 18 a 22 Azione : P3:ritombamento p=-6.000e-02
			D3 :da 27 a 40 Azione : P3:ritombamento p=-6.000e-02
			D3 :da 68 a 85 Azione : P3:ritombamento p=-6.000e-02

## 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

$$\gamma_{G1} \cdot G_1 + \gamma_{G2} \cdot G_2 + \gamma_P \cdot P + \gamma_{Q1} \cdot Q_{k1} + \gamma_{Q2} \cdot \psi_{02} \cdot Q_{k2} + \gamma_{Q3} \cdot \psi_{03} \cdot Q_{k3} + \dots$$

#### 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.I

Destinazione d'uso/azione	$\psi_0$	$\psi_1$	$\psi_2$
Categoria A residenziali	0,70	0,5 0	0,30
Categoria B uffici	0,70	0,5 0	0,30
Categoria C ambienti suscettibili di affollamento	0,70	0,7 0	0,60
Categoria D ambienti ad uso commerciale	0,70	0,7 0	0,60
Categoria E biblioteche, archivi, magazzini,...	1,00	0,9 0	0,80
Categoria F Rimesse e parcheggi (autoveicoli $\leq$ 30kN)	0,70	0,7 0	0,60
Categoria G Rimesse e parcheggi (autoveicoli $>$ 30kN)	0,70	0,5 0	0,30
Categoria H Coperture	0,00	0,0 0	0,00
Vento	0,60	0,2 0	0,00
Neve a quota $\leq$ 1000 m	0,50	0,2 0	0,00
Neve a quota $>$ 1000 m	0,70	0,5 0	0,20
Variazioni Termiche	0,60	0,5 0	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	<b>EQ</b>	<b>A1</b>	<b>A2</b>
		$\gamma_f$	<b>U</b>		
Carichi permanenti	Favorevoli	$\gamma_{G1}$	0,9	1,0	1,0
	Sfavorevoli		1,1	1,3	1,0
Carichi permanenti non	Favorevoli	$\gamma_{G2}$	0,0	0,0	0,0

strutturali (Non compiutamente definiti)	Sfavorevoli i		1,5	1,5	1,3
Carichi variabili	Favorevoli Sfavorevoli i	$\gamma_{Qi}$	0,0 1,5	0,0 1,5	0,0 1,3

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLE(r)	Comb. SLE(rara) 3	
4	SLU	Comb. SLU A1 (SLV sism.) 4	
5	SLU	Comb. SLU A1 (SLV sism.) 5	
6	SLU	Comb. SLU A1 (SLV sism.) 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	SLD(sis)	Comb. SLE (SLD Danno sism.) 36	
37	SLD(sis)	Comb. SLE (SLD Danno sism.) 37	
38	SLD(sis)	Comb. SLE (SLD Danno 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	

Cmb	Tipo	Sigla Id	effetto P-delta
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	SLE(f)	Comb. SLE(freq.) 68	
69	SLU(acc.)	Comb. SLU (Accid.) 69	
70	SLE(p)	Comb. SLE(perm.) 70	

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	1.50	1.30			
2	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00			
3	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00			
4	1.00	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
5	1.00	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
6	1.00	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
7	1.00	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
8	1.00	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00			
9	1.00	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00			
10	1.00	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00			
11	1.00	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00			
12	1.00	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
13	1.00	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
14	1.00	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
15	1.00	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
16	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00			
17	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00			
18	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00			
19	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00			
20	1.00	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
21	1.00	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
22	1.00	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
23	1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
24	1.00	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00			

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...
25	1.00	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
26	1.00	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
27	1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
28	1.00	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00			
29	1.00	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00			
30	1.00	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00			
31	1.00	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00			
32	1.00	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00			
33	1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00			
34	1.00	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00			
35	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00			
36	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	1.00			
37	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	1.00			
38	1.00	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	1.00			
39	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0	1.00			
40	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	0.0	1.00			
41	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	0.0	1.00			
42	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	0.0	1.00			
43	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	0.0	1.00			
44	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	0.0	1.00			
45	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	0.0	1.00			
46	1.00	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	0.0	1.00			
47	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	0.0	1.00			
48	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	1.00			
49	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	1.00			
50	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	1.00			
51	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	1.00			
52	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	1.00			
53	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	1.00			
54	1.00	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	1.00			
55	1.00	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.0	1.00			
56	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	0.0	1.00			
57	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	0.0	1.00			
58	1.00	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	0.0	1.00			
59	1.00	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	0.0	1.00			
60	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	0.0	1.00			
61	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	0.0	1.00			
62	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	0.0	1.00			
63	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	0.0	1.00			
64	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	1.00			
65	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	1.00			
66	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	1.00			
67	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	1.00			
68	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	1.00			
69	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
70	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00			



# 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	B	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.	11.096	43.880	
19612	11.063	43.860	3.445
19613	11.133	43.861	3.629
19391	11.131	43.911	4.429
19390	11.061	43.910	4.344

SL	P <sub>ver</sub>	T <sub>r</sub>	ag	Fo	T*c		
		Anni	g		sec		
SLO	81.0	30.0	0.050	2.520	0.250		
SLD	63.0	50.0	0.061	2.550	0.270		
SLV	10.0	475.0	0.142	2.430	0.300		
SLC	5.0	975.0	0.182	2.390	0.310		
SL	ag	S	Fo	Fv	Tb	Tc	Td

<b>Id nodo</b>	<b>Longitudine</b>	<b>Latitudine</b>	<b>Distanza</b>				
			Km				
Loc.	11.096	43.880					
	g				sec	sec	sec
SLO	0.050	1.200	2.520	0.760	0.121	0.363	1.800
SLD	0.061	1.200	2.550	0.847	0.129	0.386	1.842
SLV	0.142	1.200	2.430	1.238	0.140	0.420	2.170
SLC	0.182	1.200	2.390	1.378	0.144	0.431	2.329

# 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  $\eta_T$  (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità  $1000 \cdot \eta_T/h$  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  $\eta_T$ ,  $\eta_P$  e  $\eta_D$  degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità  $1000 \cdot \eta_T/h$  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)  $Sig s < fyk$
- 3)  $Gam t < 5$
- 4)  $Gam s < Gam * (caratteristica\ dell'\ elastomero)$
- 5)  $Gam s < 2$
- 6)  $V < 0.5 Vcr$

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

CDC	Tipo	Sigla Id	Note
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.173 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.101 sec.

CDC	Tipo	Sigla Id	Note
			fattore di struttura q: 2.400
			fattore per spost. mu d: 6.804
			classe di duttilità CD: B
			numero di modi considerati: 15
			combinaz. modale: CQC

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			
430.00	752.34	750.00	0.0	0.0	0.0	750.00	0.0	0.008	0.0	0.0
190.00	759.69	750.00	0.0	0.0	0.0	750.00	0.0	1.183	0.0	0.0
180.00	5319.88	750.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123.33	1.062e+04	750.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.746e+04									

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	4.518	0.221	0.173	0.0	0.0	1.508e+04	86.4	0.0	0.0	0.0	0.0
2	9.223	0.108	0.173	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	9.870	0.101	0.172	1.621e+04	92.9	0.0	0.0	0.0	0.0	0.0	0.0
4	12.112	0.083	0.172	0.0	0.0	616.73	3.5	0.0	0.0	0.0	0.0
5	12.147	0.082	0.172	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	13.205	0.076	0.172	0.0	0.0	1184.37	6.8	0.0	0.0	0.0	0.0
7	14.065	0.071	0.172	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	14.259	0.070	0.172	0.0	0.0	325.23	1.9	0.0	0.0	0.0	0.0
9	15.173	0.066	0.172	0.0	0.0	0.0	0.0	1.746e+04	100.0	0.0	0.0
10	15.705	0.064	0.172	1245.83	7.1	0.0	0.0	0.0	0.0	0.0	0.0
11	22.444	0.045	0.172	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	32.274	0.031	0.171	0.0	0.0	0.25	1.43e-03	0.0	0.0	0.0	0.0
13	62.131	0.016	0.171	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	66.367	0.015	0.171	0.0	0.0	0.0	0.0	0.02	1.02e-04	0.0	0.0
15	68.817	0.015	0.171	0.0	0.0	251.08	1.4	0.0	0.0	0.0	0.0
Risulta				1.746e+04		1.746e+04		1.746e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
3	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.173 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.101 sec.
			fattore di struttura q: 2.400
			fattore per spost. mu d: 6.804
			classe di duttilità CD: B
			numero di modi considerati: 15
			combinaz. modale: CQC



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	4.498	0.222	0.173	0.0	0.0	1.505e+04	86.2	0.0	0.0	0.0	0.0
2	9.349	0.107	0.173	0.0	0.0	19.49	0.1	0.0	0.0	0.0	0.0
3	9.870	0.101	0.172	1.621e+04	92.9	0.0	0.0	0.0	0.0	0.0	0.0
4	11.516	0.087	0.172	0.0	0.0	357.58	2.0	0.0	0.0	0.0	0.0
5	12.290	0.081	0.172	0.0	0.0	203.22	1.2	0.0	0.0	0.0	0.0
6	12.794	0.078	0.172	0.0	0.0	1176.85	6.7	0.0	0.0	0.0	0.0
7	14.036	0.071	0.172	0.0	0.0	138.76	0.8	0.0	0.0	0.0	0.0
8	15.173	0.066	0.172	0.0	0.0	0.0	0.0	1.746e+04	100.0	0.0	0.0
9	15.705	0.064	0.172	1245.83	7.1	0.0	0.0	0.0	0.0	0.0	0.0
10	15.996	0.063	0.172	0.0	0.0	257.85	1.5	0.0	0.0	0.0	0.0
11	22.663	0.044	0.172	0.0	0.0	0.14	8.30e-04	0.0	0.0	0.0	0.0
12	32.618	0.031	0.171	0.0	0.0	0.47	2.72e-03	0.0	0.0	0.0	0.0
13	62.435	0.016	0.171	0.0	0.0	1.59	9.11e-03	0.0	0.0	0.0	0.0
14	66.367	0.015	0.171	0.0	0.0	0.0	0.0	0.02	1.02e-04	0.0	0.0
15	68.615	0.015	0.171	0.0	0.0	248.98	1.4	0.0	0.0	0.0	0.0
Risulta				1.746e+04		1.746e+04		1.746e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.173 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.222 sec.
			fattore di struttura q: 2.400
			fattore per spost. mu d: 3.645
			classe di duttilità CD: B
			numero di modi considerati: 15
			combinaz. modale: CQC

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			
430.00	752.34	750.00	0.0	-75.00	0.0	750.00	0.0	0.008	0.0	0.0
190.00	759.69	750.00	0.0	-75.00	0.0	750.00	0.0	1.183	0.0	0.0
180.00	5319.88	750.00	0.0	-75.00	0.0	0.0	0.0	0.0	0.0	0.0
123.33	1.062e+04	750.00	0.0	-75.00	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.746e+04									

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	4.498	0.222	0.173	0.0	0.0	1.505e+04	86.2	0.0	0.0	0.0	0.0
2	9.349	0.107	0.173	0.0	0.0	19.49	0.1	0.0	0.0	0.0	0.0
3	9.870	0.101	0.172	1.621e+04	92.9	0.0	0.0	0.0	0.0	0.0	0.0
4	11.516	0.087	0.172	0.0	0.0	357.58	2.0	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
5	12.290	0.081	0.172	0.0	0.0	203.22	1.2	0.0	0.0	0.0	0.0
6	12.794	0.078	0.172	0.0	0.0	1176.85	6.7	0.0	0.0	0.0	0.0
7	14.036	0.071	0.172	0.0	0.0	138.76	0.8	0.0	0.0	0.0	0.0
8	15.173	0.066	0.172	0.0	0.0	0.0	0.0	1.746e+04	100.0	0.0	0.0
9	15.705	0.064	0.172	1245.83	7.1	0.0	0.0	0.0	0.0	0.0	0.0
10	15.996	0.063	0.172	0.0	0.0	257.85	1.5	0.0	0.0	0.0	0.0
11	22.663	0.044	0.172	0.0	0.0	0.14	8.30e-04	0.0	0.0	0.0	0.0
12	32.618	0.031	0.171	0.0	0.0	0.47	2.72e-03	0.0	0.0	0.0	0.0
13	62.435	0.016	0.171	0.0	0.0	1.59	9.11e-03	0.0	0.0	0.0	0.0
14	66.367	0.015	0.171	0.0	0.0	0.0	0.0	0.02	1.02e-04	0.0	0.0
15	68.615	0.015	0.171	0.0	0.0	248.98	1.4	0.0	0.0	0.0	0.0
Risulta				1.746e+04		1.746e+04		1.746e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.185 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.101 sec.
			numero di modi considerati: 15
			combinaz. modale: CQC

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			
430.00	752.34	750.00	0.0	0.0	0.0	750.00	0.0	0.008	0.0	0.0
190.00	759.69	750.00	0.0	0.0	0.0	750.00	0.0	1.183	0.0	0.0
180.00	5319.88	750.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123.33	1.062e+04	750.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.746e+04									

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	4.518	0.221	0.185	0.0	0.0	1.508e+04	86.4	0.0	0.0	0.0	0.0
2	9.223	0.108	0.167	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	9.870	0.101	0.161	1.621e+04	92.9	0.0	0.0	0.0	0.0	0.0	0.0
4	12.112	0.083	0.145	0.0	0.0	616.73	3.5	0.0	0.0	0.0	0.0
5	12.147	0.082	0.145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	13.205	0.076	0.139	0.0	0.0	1184.37	6.8	0.0	0.0	0.0	0.0
7	14.065	0.071	0.135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	14.259	0.070	0.134	0.0	0.0	325.23	1.9	0.0	0.0	0.0	0.0
9	15.173	0.066	0.130	0.0	0.0	0.0	0.0	1.746e+04	100.0	0.0	0.0
10	15.705	0.064	0.128	1245.83	7.1	0.0	0.0	0.0	0.0	0.0	0.0
11	22.444	0.045	0.112	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	32.274	0.031	0.100	0.0	0.0	0.25	1.43e-03	0.0	0.0	0.0	0.0
13	62.131	0.016	0.087	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	66.367	0.015	0.086	0.0	0.0	0.0	0.0	0.02	1.02e-04	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
15	68.817	0.015	0.085	0.0	0.0	251.08	1.4	0.0	0.0	0.0	0.0
Risulta				1.746e+04		1.746e+04		1.746e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.185 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.101 sec.
			numero di modi considerati: 15
			combinaz. modale: CQC

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			
430.00	752.34	750.00	0.0	0.0	0.0	750.00	0.0	0.008	0.0	0.0
190.00	759.69	750.00	0.0	0.0	0.0	750.00	0.0	1.183	0.0	0.0
180.00	5319.88	750.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123.33	1.062e+04	750.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.746e+04									

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	4.518	0.221	0.185	0.0	0.0	1.508e+04	86.4	0.0	0.0	0.0	0.0
2	9.223	0.108	0.167	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	9.870	0.101	0.161	1.621e+04	92.9	0.0	0.0	0.0	0.0	0.0	0.0
4	12.112	0.083	0.145	0.0	0.0	616.73	3.5	0.0	0.0	0.0	0.0
5	12.147	0.082	0.145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	13.205	0.076	0.139	0.0	0.0	1184.37	6.8	0.0	0.0	0.0	0.0
7	14.065	0.071	0.135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	14.259	0.070	0.134	0.0	0.0	325.23	1.9	0.0	0.0	0.0	0.0
9	15.173	0.066	0.130	0.0	0.0	0.0	0.0	1.746e+04	100.0	0.0	0.0
10	15.705	0.064	0.128	1245.83	7.1	0.0	0.0	0.0	0.0	0.0	0.0
11	22.444	0.045	0.112	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	32.274	0.031	0.100	0.0	0.0	0.25	1.43e-03	0.0	0.0	0.0	0.0
13	62.131	0.016	0.087	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	66.367	0.015	0.086	0.0	0.0	0.0	0.0	0.02	1.02e-04	0.0	0.0
15	68.817	0.015	0.085	0.0	0.0	251.08	1.4	0.0	0.0	0.0	0.0
Risulta				1.746e+04		1.746e+04		1.746e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200

CDC	Tipo	Sigla Id	Note
			ordinata spettro (tratto Tb-Tc) = 0.185 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.222 sec.
			numero di modi considerati: 15
			combinaz. modale: CQC

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			
430.00	752.34	750.00	0.0	75.00	0.0	750.00	0.0	0.008	0.0	0.0
190.00	759.69	750.00	0.0	75.00	0.0	750.00	0.0	1.183	0.0	0.0
180.00	5319.88	750.00	0.0	75.00	0.0	0.0	0.0	0.0	0.0	0.0
123.33	1.062e+04	750.00	0.0	75.00	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.746e+04									

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	4.498	0.222	0.185	0.0	0.0	1.505e+04	86.2	0.0	0.0	0.0	0.0
2	9.349	0.107	0.166	0.0	0.0	19.49	0.1	0.0	0.0	0.0	0.0
3	9.870	0.101	0.161	1.621e+04	92.9	0.0	0.0	0.0	0.0	0.0	0.0
4	11.516	0.087	0.149	0.0	0.0	357.58	2.0	0.0	0.0	0.0	0.0
5	12.290	0.081	0.144	0.0	0.0	203.22	1.2	0.0	0.0	0.0	0.0
6	12.794	0.078	0.141	0.0	0.0	1176.85	6.7	0.0	0.0	0.0	0.0
7	14.036	0.071	0.135	0.0	0.0	138.76	0.8	0.0	0.0	0.0	0.0
8	15.173	0.066	0.130	0.0	0.0	0.0	0.0	1.746e+04	100.0	0.0	0.0
9	15.705	0.064	0.128	1245.83	7.1	0.0	0.0	0.0	0.0	0.0	0.0
10	15.996	0.063	0.127	0.0	0.0	257.85	1.5	0.0	0.0	0.0	0.0
11	22.663	0.044	0.111	0.0	0.0	0.14	8.30e-04	0.0	0.0	0.0	0.0
12	32.618	0.031	0.100	0.0	0.0	0.47	2.72e-03	0.0	0.0	0.0	0.0
13	62.435	0.016	0.087	0.0	0.0	1.59	9.11e-03	0.0	0.0	0.0	0.0
14	66.367	0.015	0.086	0.0	0.0	0.0	0.0	0.02	1.02e-04	0.0	0.0
15	68.615	0.015	0.085	0.0	0.0	248.98	1.4	0.0	0.0	0.0	0.0
Risulta				1.746e+04		1.746e+04		1.746e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.185 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.222 sec.
			numero di modi considerati: 15
			combinaz. modale: CQC

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			

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
430.00	752.34	750.00	0.0	-75.00	0.0	750.00	0.0	0.008	0.0	0.0
190.00	759.69	750.00	0.0	-75.00	0.0	750.00	0.0	1.183	0.0	0.0
180.00	5319.88	750.00	0.0	-75.00	0.0	0.0	0.0	0.0	0.0	0.0
123.33	1.062e+04	750.00	0.0	-75.00	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.746e+04									

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	4.498	0.222	0.185	0.0	0.0	1.505e+04	86.2	0.0	0.0	0.0	0.0
2	9.349	0.107	0.166	0.0	0.0	19.49	0.1	0.0	0.0	0.0	0.0
3	9.870	0.101	0.161	1.621e+04	92.9	0.0	0.0	0.0	0.0	0.0	0.0
4	11.516	0.087	0.149	0.0	0.0	357.58	2.0	0.0	0.0	0.0	0.0
5	12.290	0.081	0.144	0.0	0.0	203.22	1.2	0.0	0.0	0.0	0.0
6	12.794	0.078	0.141	0.0	0.0	1176.85	6.7	0.0	0.0	0.0	0.0
7	14.036	0.071	0.135	0.0	0.0	138.76	0.8	0.0	0.0	0.0	0.0
8	15.173	0.066	0.130	0.0	0.0	0.0	0.0	1.746e+04	100.0	0.0	0.0
9	15.705	0.064	0.128	1245.83	7.1	0.0	0.0	0.0	0.0	0.0	0.0
10	15.996	0.063	0.127	0.0	0.0	257.85	1.5	0.0	0.0	0.0	0.0
11	22.663	0.044	0.111	0.0	0.0	0.14	8.30e-04	0.0	0.0	0.0	0.0
12	32.618	0.031	0.100	0.0	0.0	0.47	2.72e-03	0.0	0.0	0.0	0.0
13	62.435	0.016	0.087	0.0	0.0	1.59	9.11e-03	0.0	0.0	0.0	0.0
14	66.367	0.015	0.086	0.0	0.0	0.0	0.0	0.02	1.02e-04	0.0	0.0
15	68.615	0.015	0.085	0.0	0.0	248.98	1.4	0.0	0.0	0.0	0.0
Risulta				1.746e+04		1.746e+04		1.746e+04			
In percentuale				100.00		100.00		100.00			

Cmb	Pilas. 1000 etaT/h	etaT	inter. h	Pilas. 1000 etaT/h	etaT	inter. h	Pilas. 1000 etaT/h	etaT	inter. h		
		cm	cm		cm	cm		cm	cm		
36	1	0.302.99e-03	10.0	2	0.34	0.08	240.0	3	0.303.04e-03	10.0	
	4	0.37	0.09	240.0	5	0.313.08e-03	10.0	6	0.39	0.09	240.0
	7	0.313.12e-03	10.0	8	0.41	0.10	240.0	9	0.323.16e-03	10.0	
	10	0.42	0.10	240.0	11	0.313.13e-03	10.0	12	0.40	0.10	240.0
37	1	0.302.99e-03	10.0	2	0.34	0.08	240.0	3	0.303.04e-03	10.0	
	4	0.37	0.09	240.0	5	0.313.08e-03	10.0	6	0.39	0.09	240.0
	7	0.313.12e-03	10.0	8	0.41	0.10	240.0	9	0.323.16e-03	10.0	
	10	0.42	0.10	240.0	11	0.313.13e-03	10.0	12	0.40	0.10	240.0
38	1	0.302.99e-03	10.0	2	0.34	0.08	240.0	3	0.303.04e-03	10.0	
	4	0.37	0.09	240.0	5	0.313.08e-03	10.0	6	0.39	0.09	240.0
	7	0.313.12e-03	10.0	8	0.41	0.10	240.0	9	0.323.16e-03	10.0	
	10	0.42	0.10	240.0	11	0.313.13e-03	10.0	12	0.40	0.10	240.0
39	1	0.302.99e-03	10.0	2	0.34	0.08	240.0	3	0.303.04e-03	10.0	
	4	0.37	0.09	240.0	5	0.313.08e-03	10.0	6	0.39	0.09	240.0
	7	0.313.12e-03	10.0	8	0.41	0.10	240.0	9	0.323.16e-03	10.0	
	10	0.42	0.10	240.0	11	0.313.13e-03	10.0	12	0.40	0.10	240.0
40	1	0.313.13e-03	10.0	2	0.40	0.10	240.0	3	0.323.16e-03	10.0	
	4	0.42	0.10	240.0	5	0.313.12e-03	10.0	6	0.41	0.10	240.0
	7	0.313.08e-03	10.0	8	0.39	0.09	240.0	9	0.303.04e-03	10.0	
	10	0.37	0.09	240.0	11	0.302.99e-03	10.0	12	0.34	0.08	240.0
41	1	0.313.13e-03	10.0	2	0.40	0.10	240.0	3	0.323.16e-03	10.0	
	4	0.42	0.10	240.0	5	0.313.12e-03	10.0	6	0.41	0.10	240.0
	7	0.313.08e-03	10.0	8	0.39	0.09	240.0	9	0.303.04e-03	10.0	
	10	0.37	0.09	240.0	11	0.302.99e-03	10.0	12	0.34	0.08	240.0
42	1	0.313.13e-03	10.0	2	0.40	0.10	240.0	3	0.323.16e-03	10.0	
	4	0.42	0.10	240.0	5	0.313.12e-03	10.0	6	0.41	0.10	240.0
	7	0.313.08e-03	10.0	8	0.39	0.09	240.0	9	0.303.04e-03	10.0	
	10	0.37	0.09	240.0	11	0.302.99e-03	10.0	12	0.34	0.08	240.0
43	1	0.313.13e-03	10.0	2	0.40	0.10	240.0	3	0.323.16e-03	10.0	
	4	0.42	0.10	240.0	5	0.313.12e-03	10.0	6	0.41	0.10	240.0
	7	0.313.08e-03	10.0	8	0.39	0.09	240.0	9	0.303.04e-03	10.0	
	10	0.37	0.09	240.0	11	0.302.99e-03	10.0	12	0.34	0.08	240.0



63	10	1.23	0.30	240.0	11	0.999.94e-03	10.0	12	1.13	0.27	240.0	
	1	1.04	0.01	10.0	2	1.33	0.32	240.0	3	1.05	0.01	10.0
	4	1.39	0.33	240.0	5	1.04	0.01	10.0	6	1.35	0.32	240.0
	7	1.02	0.01	10.0	8	1.29	0.31	240.0	9	1.01	0.01	10.0
64	10	1.23	0.30	240.0	11	0.999.94e-03	10.0	12	1.13	0.27	240.0	
	1	1.04	0.01	10.0	2	1.33	0.32	240.0	3	1.05	0.01	10.0
	4	1.39	0.33	240.0	5	1.04	0.01	10.0	6	1.35	0.32	240.0
	7	1.02	0.01	10.0	8	1.29	0.31	240.0	9	1.01	0.01	10.0
65	10	1.23	0.30	240.0	11	0.999.94e-03	10.0	12	1.13	0.27	240.0	
	1	1.04	0.01	10.0	2	1.33	0.32	240.0	3	1.05	0.01	10.0
	4	1.39	0.33	240.0	5	1.04	0.01	10.0	6	1.35	0.32	240.0
	7	1.02	0.01	10.0	8	1.29	0.31	240.0	9	1.01	0.01	10.0
66	10	1.23	0.30	240.0	11	0.999.94e-03	10.0	12	1.13	0.27	240.0	
	1	1.04	0.01	10.0	2	1.33	0.32	240.0	3	1.05	0.01	10.0
	4	1.39	0.33	240.0	5	1.04	0.01	10.0	6	1.35	0.32	240.0
	7	1.02	0.01	10.0	8	1.29	0.31	240.0	9	1.01	0.01	10.0
67	10	1.23	0.30	240.0	11	0.999.94e-03	10.0	12	1.13	0.27	240.0	
	1	1.04	0.01	10.0	2	1.33	0.32	240.0	3	1.05	0.01	10.0
	4	1.39	0.33	240.0	5	1.04	0.01	10.0	6	1.35	0.32	240.0
	7	1.02	0.01	10.0	8	1.29	0.31	240.0	9	1.01	0.01	10.0
	10	1.23	0.30	240.0	11	0.999.94e-03	10.0	12	1.13	0.27	240.0	

**Cmb**                    **1000 etaT/h**  
1.39

# 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 cm	Traslazione Y cm	Traslazione Z cm	Rotazione X	Rotazione Y	Rotazione Z
1	1	-2.67e-05	0.07	-0.64	-3.24e-03	-1.57e-06	2.72e-06
1	2	-2.05e-05	0.07	-0.49	-3.24e-03	-1.20e-06	2.72e-06
1	3	-2.05e-05	0.05	-0.49	-2.16e-03	-1.20e-06	1.81e-06
1	4	0.04	6.48e-03	-0.47	-2.71e-04	2.68e-05	5.56e-06
1	5	0.04	-6.48e-03	-0.47	2.71e-04	2.68e-05	-5.56e-06
1	6	-0.04	6.48e-03	-0.51	-2.71e-04	-2.92e-05	5.56e-06
1	7	-0.04	-6.48e-03	-0.51	2.71e-04	-2.92e-05	-5.56e-06
1	8	0.04	0.01	-0.47	-2.79e-04	2.68e-05	-5.23e-06
1	9	0.04	-0.01	-0.47	2.79e-04	2.68e-05	5.23e-06
1	10	-0.04	0.01	-0.51	-2.79e-04	-2.92e-05	-5.23e-06
1	11	-0.04	-0.01	-0.51	2.79e-04	-2.92e-05	5.23e-06
1	12	0.04	6.48e-03	-0.47	-2.71e-04	2.68e-05	5.56e-06
1	13	0.04	-6.48e-03	-0.47	2.71e-04	2.68e-05	-5.56e-06
1	14	-0.04	6.48e-03	-0.51	-2.71e-04	-2.92e-05	5.56e-06
1	15	-0.04	-6.48e-03	-0.51	2.71e-04	-2.92e-05	-5.56e-06
1	16	0.04	0.01	-0.47	-2.79e-04	2.68e-05	-5.23e-06
1	17	0.04	-0.01	-0.47	2.79e-04	2.68e-05	5.23e-06
1	18	-0.04	0.01	-0.51	-2.79e-04	-2.92e-05	-5.23e-06
1	19	-0.04	-0.01	-0.51	2.79e-04	-2.92e-05	5.23e-06
1	20	0.01	0.02	-0.49	-9.03e-04	7.18e-06	1.85e-05
1	21	0.01	-0.02	-0.49	9.03e-04	7.18e-06	-1.85e-05
1	22	-0.01	0.02	-0.50	-9.03e-04	-9.59e-06	1.85e-05
1	23	-0.01	-0.02	-0.50	9.03e-04	-9.59e-06	-1.85e-05
1	24	0.01	0.02	-0.49	-9.03e-04	7.18e-06	1.85e-05
1	25	0.01	-0.02	-0.49	9.03e-04	7.18e-06	-1.85e-05
1	26	-0.01	0.02	-0.50	-9.03e-04	-9.59e-06	1.85e-05
1	27	-0.01	-0.02	-0.50	9.03e-04	-9.59e-06	-1.85e-05
1	28	0.01	0.05	-0.49	-9.29e-04	7.18e-06	-1.74e-05
1	29	0.01	-0.05	-0.49	9.29e-04	7.18e-06	1.74e-05
1	30	-0.01	0.05	-0.50	-9.29e-04	-9.59e-06	-1.74e-05
1	31	-0.01	-0.05	-0.50	9.29e-04	-9.59e-06	1.74e-05
1	32	0.01	0.05	-0.49	-9.29e-04	7.18e-06	-1.74e-05
1	33	0.01	-0.05	-0.49	9.29e-04	7.18e-06	1.74e-05
1	34	-0.01	0.05	-0.50	-9.29e-04	-9.59e-06	-1.74e-05
1	35	-0.01	-0.05	-0.50	9.29e-04	-9.59e-06	1.74e-05
1	36	0.03	6.90e-03	-0.47	-2.90e-04	2.44e-05	5.92e-06
1	37	0.03	-6.90e-03	-0.47	2.90e-04	2.44e-05	-5.92e-06
1	38	-0.03	6.90e-03	-0.51	-2.90e-04	-2.68e-05	5.92e-06
1	39	-0.03	-6.90e-03	-0.51	2.90e-04	-2.68e-05	-5.92e-06
1	40	0.03	0.02	-0.47	-2.99e-04	2.44e-05	-5.54e-06
1	41	0.03	-0.02	-0.47	2.99e-04	2.44e-05	5.54e-06
1	42	-0.03	0.02	-0.51	-2.99e-04	-2.68e-05	-5.54e-06
1	43	-0.03	-0.02	-0.51	2.99e-04	-2.68e-05	5.54e-06
1	44	0.03	6.90e-03	-0.47	-2.90e-04	2.44e-05	5.92e-06
1	45	0.03	-6.90e-03	-0.47	2.90e-04	2.44e-05	-5.92e-06
1	46	-0.03	6.90e-03	-0.51	-2.90e-04	-2.68e-05	5.92e-06
1	47	-0.03	-6.90e-03	-0.51	2.90e-04	-2.68e-05	-5.92e-06
1	48	0.03	0.02	-0.47	-2.99e-04	2.44e-05	-5.54e-06
1	49	0.03	-0.02	-0.47	2.99e-04	2.44e-05	5.54e-06
1	50	-0.03	0.02	-0.51	-2.99e-04	-2.68e-05	-5.54e-06
1	51	-0.03	-0.02	-0.51	2.99e-04	-2.68e-05	5.54e-06
1	52	0.01	0.02	-0.49	-9.68e-04	6.48e-06	1.97e-05
1	53	0.01	-0.02	-0.49	9.68e-04	6.48e-06	-1.97e-05
1	54	-0.01	0.02	-0.50	-9.68e-04	-8.89e-06	1.97e-05

1	55	-0.01	-0.02	-0.50	9.68e-04	-8.89e-06	-1.97e-05
1	56	0.01	0.02	-0.49	-9.68e-04	6.48e-06	1.97e-05
1	57	0.01	-0.02	-0.49	9.68e-04	6.48e-06	-1.97e-05
1	58	-0.01	0.02	-0.50	-9.68e-04	-8.89e-06	1.97e-05
1	59	-0.01	-0.02	-0.50	9.68e-04	-8.89e-06	-1.97e-05
1	60	0.01	0.05	-0.49	-9.95e-04	6.48e-06	-1.85e-05
1	61	0.01	-0.05	-0.49	9.95e-04	6.48e-06	1.85e-05
1	62	-0.01	0.05	-0.50	-9.95e-04	-8.89e-06	-1.85e-05
1	63	-0.01	-0.05	-0.50	9.95e-04	-8.89e-06	1.85e-05
1	64	0.01	0.05	-0.49	-9.95e-04	6.48e-06	-1.85e-05
1	65	0.01	-0.05	-0.49	9.95e-04	6.48e-06	1.85e-05
1	66	-0.01	0.05	-0.50	-9.95e-04	-8.89e-06	-1.85e-05
1	67	-0.01	-0.05	-0.50	9.95e-04	-8.89e-06	1.85e-05
1	68	-2.05e-05	9.45e-03	-0.49	-4.31e-04	-1.20e-06	0.0
1	69	-2.05e-05	0.0	-0.49	0.0	-1.20e-06	0.0
1	70	-2.05e-05	0.0	-0.49	0.0	-1.20e-06	0.0
2	1	-5.73e-05	0.07	-0.90	-3.22e-03	2.14e-06	0.0
2	2	-5.36e-05	0.07	-0.75	-3.22e-03	2.01e-06	0.0
2	3	-3.99e-05	0.05	-0.66	-2.15e-03	1.49e-06	0.0
2	4	0.04	6.48e-03	-0.49	-2.65e-04	2.84e-05	0.0
2	5	0.04	-6.49e-03	-0.45	2.76e-04	2.84e-05	0.0
2	6	-0.04	6.49e-03	-0.53	-2.64e-04	-2.75e-05	0.0
2	7	-0.04	-6.48e-03	-0.49	2.77e-04	-2.75e-05	0.0
2	8	0.04	0.01	-0.49	-2.73e-04	2.82e-05	0.0
2	9	0.04	-0.01	-0.45	2.83e-04	2.86e-05	0.0
2	10	-0.04	0.01	-0.53	-2.72e-04	-2.77e-05	0.0
2	11	-0.04	-0.01	-0.49	2.84e-04	-2.73e-05	0.0
2	12	0.04	6.48e-03	-0.49	-2.65e-04	2.84e-05	0.0
2	13	0.04	-6.49e-03	-0.45	2.76e-04	2.84e-05	0.0
2	14	-0.04	6.49e-03	-0.53	-2.64e-04	-2.75e-05	0.0
2	15	-0.04	-6.48e-03	-0.49	2.77e-04	-2.75e-05	0.0
2	16	0.04	0.01	-0.49	-2.73e-04	2.82e-05	0.0
2	17	0.04	-0.01	-0.45	2.83e-04	2.86e-05	0.0
2	18	-0.04	0.01	-0.53	-2.72e-04	-2.77e-05	0.0
2	19	-0.04	-0.01	-0.49	2.84e-04	-2.73e-05	0.0
2	20	9.63e-03	0.02	-0.56	-8.96e-04	8.73e-06	0.0
2	21	0.01	-0.02	-0.41	9.07e-04	8.93e-06	0.0
2	22	-0.01	0.02	-0.57	-8.96e-04	-8.03e-06	0.0
2	23	-9.66e-03	-0.02	-0.43	9.08e-04	-7.84e-06	0.0
2	24	9.63e-03	0.02	-0.56	-8.96e-04	8.73e-06	0.0
2	25	0.01	-0.02	-0.41	9.07e-04	8.93e-06	0.0
2	26	-0.01	0.02	-0.57	-8.96e-04	-8.03e-06	0.0
2	27	-9.66e-03	-0.02	-0.43	9.08e-04	-7.84e-06	0.0
2	28	0.01	0.05	-0.56	-9.21e-04	8.29e-06	0.0
2	29	9.64e-03	-0.05	-0.41	9.32e-04	9.37e-06	0.0
2	30	-9.67e-03	0.05	-0.57	-9.20e-04	-8.48e-06	0.0
2	31	-0.01	-0.05	-0.42	9.32e-04	-7.39e-06	0.0
2	32	0.01	0.05	-0.56	-9.21e-04	8.29e-06	0.0
2	33	9.64e-03	-0.05	-0.41	9.32e-04	9.37e-06	0.0
2	34	-9.67e-03	0.05	-0.57	-9.20e-04	-8.48e-06	0.0
2	35	-0.01	-0.05	-0.42	9.32e-04	-7.39e-06	0.0
2	36	0.03	6.90e-03	-0.50	-2.85e-04	2.60e-05	0.0
2	37	0.03	-6.90e-03	-0.45	2.95e-04	2.61e-05	0.0
2	38	-0.03	6.90e-03	-0.53	-2.84e-04	-2.52e-05	0.0
2	39	-0.03	-6.90e-03	-0.49	2.96e-04	-2.51e-05	0.0
2	40	0.03	0.02	-0.50	-2.93e-04	2.59e-05	0.0
2	41	0.03	-0.02	-0.45	3.03e-04	2.62e-05	0.0
2	42	-0.03	0.02	-0.53	-2.92e-04	-2.53e-05	0.0
2	43	-0.03	-0.02	-0.49	3.04e-04	-2.50e-05	0.0
2	44	0.03	6.90e-03	-0.50	-2.85e-04	2.60e-05	0.0
2	45	0.03	-6.90e-03	-0.45	2.95e-04	2.61e-05	0.0
2	46	-0.03	6.90e-03	-0.53	-2.84e-04	-2.52e-05	0.0
2	47	-0.03	-6.90e-03	-0.49	2.96e-04	-2.51e-05	0.0
2	48	0.03	0.02	-0.50	-2.93e-04	2.59e-05	0.0
2	49	0.03	-0.02	-0.45	3.03e-04	2.62e-05	0.0
2	50	-0.03	0.02	-0.53	-2.92e-04	-2.53e-05	0.0
2	51	-0.03	-0.02	-0.49	3.04e-04	-2.50e-05	0.0
2	52	8.80e-03	0.02	-0.56	-9.61e-04	8.04e-06	0.0
2	53	0.01	-0.02	-0.41	9.72e-04	8.20e-06	0.0
2	54	-0.01	0.02	-0.57	-9.61e-04	-7.31e-06	0.0
2	55	-8.83e-03	-0.02	-0.42	9.73e-04	-7.15e-06	0.0
2	56	8.80e-03	0.02	-0.56	-9.61e-04	8.04e-06	0.0
2	57	0.01	-0.02	-0.41	9.72e-04	8.20e-06	0.0
2	58	-0.01	0.02	-0.57	-9.61e-04	-7.31e-06	0.0
2	59	-8.83e-03	-0.02	-0.42	9.73e-04	-7.15e-06	0.0

2	60	0.01	0.05	-0.57	-9.87e-04	7.55e-06	0.0
2	61	8.82e-03	-0.05	-0.41	9.99e-04	8.70e-06	0.0
2	62	-8.84e-03	0.05	-0.58	-9.87e-04	-7.81e-06	0.0
2	63	-0.01	-0.05	-0.42	9.99e-04	-6.65e-06	0.0
2	64	0.01	0.05	-0.57	-9.87e-04	7.55e-06	0.0
2	65	8.82e-03	-0.05	-0.41	9.99e-04	8.70e-06	0.0
2	66	-8.84e-03	0.05	-0.58	-9.87e-04	-7.81e-06	0.0
2	67	-0.01	-0.05	-0.42	9.99e-04	-6.65e-06	0.0
2	68	-1.79e-05	9.45e-03	-0.53	-4.25e-04	0.0	0.0
2	69	-1.24e-05	0.0	-0.49	5.80e-06	0.0	0.0
2	70	-1.24e-05	0.0	-0.49	5.80e-06	0.0	0.0
3	1	2.52e-05	0.07	-0.38	-3.24e-03	0.0	0.0
3	2	2.89e-05	0.07	-0.23	-3.23e-03	-1.11e-06	0.0
3	3	1.51e-05	0.05	-0.32	-2.16e-03	0.0	0.0
3	4	0.04	6.49e-03	-0.45	-2.76e-04	2.84e-05	0.0
3	5	0.04	-6.48e-03	-0.49	2.65e-04	2.84e-05	0.0
3	6	-0.04	6.48e-03	-0.49	-2.77e-04	-2.75e-05	0.0
3	7	-0.04	-6.49e-03	-0.53	2.64e-04	-2.75e-05	0.0
3	8	0.04	0.01	-0.45	-2.83e-04	2.86e-05	0.0
3	9	0.04	-0.01	-0.49	2.73e-04	2.82e-05	0.0
3	10	-0.04	0.01	-0.49	-2.84e-04	-2.73e-05	0.0
3	11	-0.04	-0.01	-0.53	2.72e-04	-2.77e-05	0.0
3	12	0.04	6.49e-03	-0.45	-2.76e-04	2.84e-05	0.0
3	13	0.04	-6.48e-03	-0.49	2.65e-04	2.84e-05	0.0
3	14	-0.04	6.48e-03	-0.49	-2.77e-04	-2.75e-05	0.0
3	15	-0.04	-6.49e-03	-0.53	2.64e-04	-2.75e-05	0.0
3	16	0.04	0.01	-0.45	-2.83e-04	2.86e-05	0.0
3	17	0.04	-0.01	-0.49	2.73e-04	2.82e-05	0.0
3	18	-0.04	0.01	-0.49	-2.84e-04	-2.73e-05	0.0
3	19	-0.04	-0.01	-0.53	2.72e-04	-2.77e-05	0.0
3	20	0.01	0.02	-0.41	-9.07e-04	8.93e-06	0.0
3	21	9.63e-03	-0.02	-0.56	8.96e-04	8.73e-06	0.0
3	22	-9.66e-03	0.02	-0.43	-9.08e-04	-7.84e-06	0.0
3	23	-0.01	-0.02	-0.57	8.96e-04	-8.03e-06	0.0
3	24	0.01	0.02	-0.41	-9.07e-04	8.93e-06	0.0
3	25	9.63e-03	-0.02	-0.56	8.96e-04	8.73e-06	0.0
3	26	-9.66e-03	0.02	-0.43	-9.08e-04	-7.84e-06	0.0
3	27	-0.01	-0.02	-0.57	8.96e-04	-8.03e-06	0.0
3	28	9.64e-03	0.05	-0.41	-9.32e-04	9.37e-06	0.0
3	29	0.01	-0.05	-0.56	9.21e-04	8.29e-06	0.0
3	30	-0.01	0.05	-0.42	-9.32e-04	-7.39e-06	0.0
3	31	-9.67e-03	-0.05	-0.57	9.20e-04	-8.48e-06	0.0
3	32	9.64e-03	0.05	-0.41	-9.32e-04	9.37e-06	0.0
3	33	0.01	-0.05	-0.56	9.21e-04	8.29e-06	0.0
3	34	-0.01	0.05	-0.42	-9.32e-04	-7.39e-06	0.0
3	35	-9.67e-03	-0.05	-0.57	9.20e-04	-8.48e-06	0.0
3	36	0.03	6.90e-03	-0.45	-2.95e-04	2.61e-05	0.0
3	37	0.03	-6.90e-03	-0.50	2.85e-04	2.60e-05	0.0
3	38	-0.03	6.90e-03	-0.49	-2.96e-04	-2.51e-05	0.0
3	39	-0.03	-6.90e-03	-0.53	2.84e-04	-2.52e-05	0.0
3	40	0.03	0.02	-0.45	-3.03e-04	2.62e-05	0.0
3	41	0.03	-0.02	-0.50	2.93e-04	2.59e-05	0.0
3	42	-0.03	0.02	-0.49	-3.04e-04	-2.50e-05	0.0
3	43	-0.03	-0.02	-0.53	2.92e-04	-2.53e-05	0.0
3	44	0.03	6.90e-03	-0.45	-2.95e-04	2.61e-05	0.0
3	45	0.03	-6.90e-03	-0.50	2.85e-04	2.60e-05	0.0
3	46	-0.03	6.90e-03	-0.49	-2.96e-04	-2.51e-05	0.0
3	47	-0.03	-6.90e-03	-0.53	2.84e-04	-2.52e-05	0.0
3	48	0.03	0.02	-0.45	-3.03e-04	2.62e-05	0.0
3	49	0.03	-0.02	-0.50	2.93e-04	2.59e-05	0.0
3	50	-0.03	0.02	-0.49	-3.04e-04	-2.50e-05	0.0
3	51	-0.03	-0.02	-0.53	2.92e-04	-2.53e-05	0.0
3	52	0.01	0.02	-0.41	-9.72e-04	8.20e-06	0.0
3	53	8.80e-03	-0.02	-0.56	9.61e-04	8.04e-06	0.0
3	54	-8.83e-03	0.02	-0.42	-9.73e-04	-7.15e-06	0.0
3	55	-0.01	-0.02	-0.57	9.61e-04	-7.31e-06	0.0
3	56	0.01	0.02	-0.41	-9.72e-04	8.20e-06	0.0
3	57	8.80e-03	-0.02	-0.56	9.61e-04	8.04e-06	0.0
3	58	-8.83e-03	0.02	-0.42	-9.73e-04	-7.15e-06	0.0
3	59	-0.01	-0.02	-0.57	9.61e-04	-7.31e-06	0.0
3	60	8.82e-03	0.05	-0.41	-9.99e-04	8.70e-06	0.0
3	61	0.01	-0.05	-0.57	9.87e-04	7.55e-06	0.0
3	62	-0.01	0.05	-0.42	-9.99e-04	-6.65e-06	0.0
3	63	-8.84e-03	-0.05	-0.58	9.87e-04	-7.81e-06	0.0
3	64	8.82e-03	0.05	-0.41	-9.99e-04	8.70e-06	0.0



3	65	0.01	-0.05	-0.57	9.87e-04	7.55e-06	0.0
3	66	-0.01	0.05	-0.42	-9.99e-04	-6.65e-06	0.0
3	67	-8.84e-03	-0.05	-0.58	9.87e-04	-7.81e-06	0.0
3	68	-6.87e-06	9.45e-03	-0.46	-4.36e-04	0.0	0.0
3	69	-1.24e-05	0.0	-0.49	-5.80e-06	0.0	0.0
3	70	-1.24e-05	0.0	-0.49	-5.80e-06	0.0	0.0
4	1	2.67e-05	0.07	-0.64	-3.24e-03	1.57e-06	-2.72e-06
4	2	2.05e-05	0.07	-0.49	-3.24e-03	1.20e-06	-2.72e-06
4	3	2.05e-05	0.05	-0.49	-2.16e-03	1.20e-06	-1.81e-06
4	4	0.04	0.01	-0.51	-2.79e-04	2.92e-05	5.23e-06
4	5	0.04	-0.01	-0.51	2.79e-04	2.92e-05	-5.23e-06
4	6	-0.04	0.01	-0.47	-2.79e-04	-2.68e-05	5.23e-06
4	7	-0.04	-0.01	-0.47	2.79e-04	-2.68e-05	-5.23e-06
4	8	0.04	6.48e-03	-0.51	-2.71e-04	2.92e-05	-5.56e-06
4	9	0.04	-6.48e-03	-0.51	2.71e-04	2.92e-05	5.56e-06
4	10	-0.04	6.48e-03	-0.47	-2.71e-04	-2.68e-05	-5.56e-06
4	11	-0.04	-6.48e-03	-0.47	2.71e-04	-2.68e-05	5.56e-06
4	12	0.04	0.01	-0.51	-2.79e-04	2.92e-05	5.23e-06
4	13	0.04	-0.01	-0.51	2.79e-04	2.92e-05	-5.23e-06
4	14	-0.04	0.01	-0.47	-2.79e-04	-2.68e-05	5.23e-06
4	15	-0.04	-0.01	-0.47	2.79e-04	-2.68e-05	-5.23e-06
4	16	0.04	6.48e-03	-0.51	-2.71e-04	2.92e-05	-5.56e-06
4	17	0.04	-6.48e-03	-0.51	2.71e-04	2.92e-05	5.56e-06
4	18	-0.04	6.48e-03	-0.47	-2.71e-04	-2.68e-05	-5.56e-06
4	19	-0.04	-6.48e-03	-0.47	2.71e-04	-2.68e-05	5.56e-06
4	20	0.01	0.05	-0.50	-9.29e-04	9.59e-06	1.74e-05
4	21	0.01	-0.05	-0.50	9.29e-04	9.59e-06	-1.74e-05
4	22	-0.01	0.05	-0.49	-9.29e-04	-7.18e-06	1.74e-05
4	23	-0.01	-0.05	-0.49	9.29e-04	-7.18e-06	-1.74e-05
4	24	0.01	0.05	-0.50	-9.29e-04	9.59e-06	1.74e-05
4	25	0.01	-0.05	-0.50	9.29e-04	9.59e-06	-1.74e-05
4	26	-0.01	0.05	-0.49	-9.29e-04	-7.18e-06	1.74e-05
4	27	-0.01	-0.05	-0.49	9.29e-04	-7.18e-06	-1.74e-05
4	28	0.01	0.02	-0.50	-9.03e-04	9.59e-06	-1.85e-05
4	29	0.01	-0.02	-0.50	9.03e-04	9.59e-06	1.85e-05
4	30	-0.01	0.02	-0.49	-9.03e-04	-7.18e-06	-1.85e-05
4	31	-0.01	-0.02	-0.49	9.03e-04	-7.18e-06	1.85e-05
4	32	0.01	0.02	-0.50	-9.03e-04	9.59e-06	-1.85e-05
4	33	0.01	-0.02	-0.50	9.03e-04	9.59e-06	1.85e-05
4	34	-0.01	0.02	-0.49	-9.03e-04	-7.18e-06	-1.85e-05
4	35	-0.01	-0.02	-0.49	9.03e-04	-7.18e-06	1.85e-05
4	36	0.03	0.02	-0.51	-2.99e-04	2.68e-05	5.54e-06
4	37	0.03	-0.02	-0.51	2.99e-04	2.68e-05	-5.54e-06
4	38	-0.03	0.02	-0.47	-2.99e-04	-2.44e-05	5.54e-06
4	39	-0.03	-0.02	-0.47	2.99e-04	-2.44e-05	-5.54e-06
4	40	0.03	6.90e-03	-0.51	-2.90e-04	2.68e-05	-5.92e-06
4	41	0.03	-6.90e-03	-0.51	2.90e-04	2.68e-05	5.92e-06
4	42	-0.03	6.90e-03	-0.47	-2.90e-04	-2.44e-05	-5.92e-06
4	43	-0.03	-6.90e-03	-0.47	2.90e-04	-2.44e-05	5.92e-06
4	44	0.03	0.02	-0.51	-2.99e-04	2.68e-05	5.54e-06
4	45	0.03	-0.02	-0.51	2.99e-04	2.68e-05	-5.54e-06
4	46	-0.03	0.02	-0.47	-2.99e-04	-2.44e-05	5.54e-06
4	47	-0.03	-0.02	-0.47	2.99e-04	-2.44e-05	-5.54e-06
4	48	0.03	6.90e-03	-0.51	-2.90e-04	2.68e-05	-5.92e-06
4	49	0.03	-6.90e-03	-0.51	2.90e-04	2.68e-05	5.92e-06
4	50	-0.03	6.90e-03	-0.47	-2.90e-04	-2.44e-05	-5.92e-06
4	51	-0.03	-6.90e-03	-0.47	2.90e-04	-2.44e-05	5.92e-06
4	52	0.01	0.05	-0.50	-9.95e-04	8.89e-06	1.85e-05
4	53	0.01	-0.05	-0.50	9.95e-04	8.89e-06	-1.85e-05
4	54	-0.01	0.05	-0.49	-9.95e-04	-6.48e-06	1.85e-05
4	55	-0.01	-0.05	-0.49	9.95e-04	-6.48e-06	-1.85e-05
4	56	0.01	0.05	-0.50	-9.95e-04	8.89e-06	1.85e-05
4	57	0.01	-0.05	-0.50	9.95e-04	8.89e-06	-1.85e-05
4	58	-0.01	0.05	-0.49	-9.95e-04	-6.48e-06	1.85e-05
4	59	-0.01	-0.05	-0.49	9.95e-04	-6.48e-06	-1.85e-05
4	60	0.01	0.02	-0.50	-9.68e-04	8.89e-06	-1.97e-05
4	61	0.01	-0.02	-0.50	9.68e-04	8.89e-06	1.97e-05
4	62	-0.01	0.02	-0.49	-9.68e-04	-6.48e-06	-1.97e-05
4	63	-0.01	-0.02	-0.49	9.68e-04	-6.48e-06	1.97e-05
4	64	0.01	0.02	-0.50	-9.68e-04	8.89e-06	-1.97e-05
4	65	0.01	-0.02	-0.50	9.68e-04	8.89e-06	1.97e-05
4	66	-0.01	0.02	-0.49	-9.68e-04	-6.48e-06	-1.97e-05
4	67	-0.01	-0.02	-0.49	9.68e-04	-6.48e-06	1.97e-05
4	68	2.05e-05	9.45e-03	-0.49	-4.31e-04	1.20e-06	0.0
4	69	2.05e-05	0.0	-0.49	0.0	1.20e-06	0.0

4	70	2.05e-05	0.0	-0.49	0.0	1.20e-06	0.0
5	1	-2.52e-05	0.07	-0.38	-3.24e-03	0.0	0.0
5	2	-2.89e-05	0.07	-0.23	-3.23e-03	1.11e-06	0.0
5	3	-1.51e-05	0.05	-0.32	-2.16e-03	0.0	0.0
5	4	0.04	0.01	-0.49	-2.84e-04	2.73e-05	0.0
5	5	0.04	-0.01	-0.53	2.72e-04	2.77e-05	0.0
5	6	-0.04	0.01	-0.45	-2.83e-04	-2.86e-05	0.0
5	7	-0.04	-0.01	-0.49	2.73e-04	-2.82e-05	0.0
5	8	0.04	6.48e-03	-0.49	-2.77e-04	2.75e-05	0.0
5	9	0.04	-6.49e-03	-0.53	2.64e-04	2.75e-05	0.0
5	10	-0.04	6.49e-03	-0.45	-2.76e-04	-2.84e-05	0.0
5	11	-0.04	-6.48e-03	-0.49	2.65e-04	-2.84e-05	0.0
5	12	0.04	0.01	-0.49	-2.84e-04	2.73e-05	0.0
5	13	0.04	-0.01	-0.53	2.72e-04	2.77e-05	0.0
5	14	-0.04	0.01	-0.45	-2.83e-04	-2.86e-05	0.0
5	15	-0.04	-0.01	-0.49	2.73e-04	-2.82e-05	0.0
5	16	0.04	6.48e-03	-0.49	-2.77e-04	2.75e-05	0.0
5	17	0.04	-6.49e-03	-0.53	2.64e-04	2.75e-05	0.0
5	18	-0.04	6.49e-03	-0.45	-2.76e-04	-2.84e-05	0.0
5	19	-0.04	-6.48e-03	-0.49	2.65e-04	-2.84e-05	0.0
5	20	0.01	0.05	-0.42	-9.32e-04	7.39e-06	0.0
5	21	9.67e-03	-0.05	-0.57	9.20e-04	8.48e-06	0.0
5	22	-9.64e-03	0.05	-0.41	-9.32e-04	-9.37e-06	0.0
5	23	-0.01	-0.05	-0.56	9.21e-04	-8.29e-06	0.0
5	24	0.01	0.05	-0.42	-9.32e-04	7.39e-06	0.0
5	25	9.67e-03	-0.05	-0.57	9.20e-04	8.48e-06	0.0
5	26	-9.64e-03	0.05	-0.41	-9.32e-04	-9.37e-06	0.0
5	27	-0.01	-0.05	-0.56	9.21e-04	-8.29e-06	0.0
5	28	9.66e-03	0.02	-0.43	-9.08e-04	7.84e-06	0.0
5	29	0.01	-0.02	-0.57	8.96e-04	8.03e-06	0.0
5	30	-0.01	0.02	-0.41	-9.07e-04	-8.93e-06	0.0
5	31	-9.63e-03	-0.02	-0.56	8.96e-04	-8.73e-06	0.0
5	32	9.66e-03	0.02	-0.43	-9.08e-04	7.84e-06	0.0
5	33	0.01	-0.02	-0.57	8.96e-04	8.03e-06	0.0
5	34	-0.01	0.02	-0.41	-9.07e-04	-8.93e-06	0.0
5	35	-9.63e-03	-0.02	-0.56	8.96e-04	-8.73e-06	0.0
5	36	0.03	0.02	-0.49	-3.04e-04	2.50e-05	0.0
5	37	0.03	-0.02	-0.53	2.92e-04	2.53e-05	0.0
5	38	-0.03	0.02	-0.45	-3.03e-04	-2.62e-05	0.0
5	39	-0.03	-0.02	-0.50	2.93e-04	-2.59e-05	0.0
5	40	0.03	6.90e-03	-0.49	-2.96e-04	2.51e-05	0.0
5	41	0.03	-6.90e-03	-0.53	2.84e-04	2.52e-05	0.0
5	42	-0.03	6.90e-03	-0.45	-2.95e-04	-2.61e-05	0.0
5	43	-0.03	-6.90e-03	-0.50	2.85e-04	-2.60e-05	0.0
5	44	0.03	0.02	-0.49	-3.04e-04	2.50e-05	0.0
5	45	0.03	-0.02	-0.53	2.92e-04	2.53e-05	0.0
5	46	-0.03	0.02	-0.45	-3.03e-04	-2.62e-05	0.0
5	47	-0.03	-0.02	-0.50	2.93e-04	-2.59e-05	0.0
5	48	0.03	6.90e-03	-0.49	-2.96e-04	2.51e-05	0.0
5	49	0.03	-6.90e-03	-0.53	2.84e-04	2.52e-05	0.0
5	50	-0.03	6.90e-03	-0.45	-2.95e-04	-2.61e-05	0.0
5	51	-0.03	-6.90e-03	-0.50	2.85e-04	-2.60e-05	0.0
5	52	0.01	0.05	-0.42	-9.99e-04	6.65e-06	0.0
5	53	8.84e-03	-0.05	-0.58	9.87e-04	7.81e-06	0.0
5	54	-8.82e-03	0.05	-0.41	-9.99e-04	-8.70e-06	0.0
5	55	-0.01	-0.05	-0.57	9.87e-04	-7.55e-06	0.0
5	56	0.01	0.05	-0.42	-9.99e-04	6.65e-06	0.0
5	57	8.84e-03	-0.05	-0.58	9.87e-04	7.81e-06	0.0
5	58	-8.82e-03	0.05	-0.41	-9.99e-04	-8.70e-06	0.0
5	59	-0.01	-0.05	-0.57	9.87e-04	-7.55e-06	0.0
5	60	8.83e-03	0.02	-0.42	-9.73e-04	7.15e-06	0.0
5	61	0.01	-0.02	-0.57	9.61e-04	7.31e-06	0.0
5	62	-0.01	0.02	-0.41	-9.72e-04	-8.20e-06	0.0
5	63	-8.80e-03	-0.02	-0.56	9.61e-04	-8.04e-06	0.0
5	64	8.83e-03	0.02	-0.42	-9.73e-04	7.15e-06	0.0
5	65	0.01	-0.02	-0.57	9.61e-04	7.31e-06	0.0
5	66	-0.01	0.02	-0.41	-9.72e-04	-8.20e-06	0.0
5	67	-8.80e-03	-0.02	-0.56	9.61e-04	-8.04e-06	0.0
5	68	6.87e-06	9.45e-03	-0.46	-4.36e-04	0.0	0.0
5	69	1.24e-05	0.0	-0.49	-5.80e-06	0.0	0.0
5	70	1.24e-05	0.0	-0.49	-5.80e-06	0.0	0.0
6	1	5.73e-05	0.07	-0.90	-3.22e-03	-2.14e-06	0.0
6	2	5.36e-05	0.07	-0.75	-3.22e-03	-2.01e-06	0.0
6	3	3.99e-05	0.05	-0.66	-2.15e-03	-1.49e-06	0.0
6	4	0.04	0.01	-0.53	-2.72e-04	2.77e-05	0.0

6	5	0.04	-0.01	-0.49	2.84e-04	2.73e-05	0.0
6	6	-0.04	0.01	-0.49	-2.73e-04	-2.82e-05	0.0
6	7	-0.04	-0.01	-0.45	2.83e-04	-2.86e-05	0.0
6	8	0.04	6.49e-03	-0.53	-2.64e-04	2.75e-05	0.0
6	9	0.04	-6.48e-03	-0.49	2.77e-04	2.75e-05	0.0
6	10	-0.04	6.48e-03	-0.49	-2.65e-04	-2.84e-05	0.0
6	11	-0.04	-6.49e-03	-0.45	2.76e-04	-2.84e-05	0.0
6	12	0.04	0.01	-0.53	-2.72e-04	2.77e-05	0.0
6	13	0.04	-0.01	-0.49	2.84e-04	2.73e-05	0.0
6	14	-0.04	0.01	-0.49	-2.73e-04	-2.82e-05	0.0
6	15	-0.04	-0.01	-0.45	2.83e-04	-2.86e-05	0.0
6	16	0.04	6.49e-03	-0.53	-2.64e-04	2.75e-05	0.0
6	17	0.04	-6.48e-03	-0.49	2.77e-04	2.75e-05	0.0
6	18	-0.04	6.48e-03	-0.49	-2.65e-04	-2.84e-05	0.0
6	19	-0.04	-6.49e-03	-0.45	2.76e-04	-2.84e-05	0.0
6	20	9.67e-03	0.05	-0.57	-9.20e-04	8.48e-06	0.0
6	21	0.01	-0.05	-0.42	9.32e-04	7.39e-06	0.0
6	22	-0.01	0.05	-0.56	-9.21e-04	-8.29e-06	0.0
6	23	-9.64e-03	-0.05	-0.41	9.32e-04	-9.37e-06	0.0
6	24	9.67e-03	0.05	-0.57	-9.20e-04	8.48e-06	0.0
6	25	0.01	-0.05	-0.42	9.32e-04	7.39e-06	0.0
6	26	-0.01	0.05	-0.56	-9.21e-04	-8.29e-06	0.0
6	27	-9.64e-03	-0.05	-0.41	9.32e-04	-9.37e-06	0.0
6	28	0.01	0.02	-0.57	-8.96e-04	8.03e-06	0.0
6	29	9.66e-03	-0.02	-0.43	9.08e-04	7.84e-06	0.0
6	30	-9.63e-03	0.02	-0.56	-8.96e-04	-8.73e-06	0.0
6	31	-0.01	-0.02	-0.41	9.07e-04	-8.93e-06	0.0
6	32	0.01	0.02	-0.57	-8.96e-04	8.03e-06	0.0
6	33	9.66e-03	-0.02	-0.43	9.08e-04	7.84e-06	0.0
6	34	-9.63e-03	0.02	-0.56	-8.96e-04	-8.73e-06	0.0
6	35	-0.01	-0.02	-0.41	9.07e-04	-8.93e-06	0.0
6	36	0.03	0.02	-0.53	-2.92e-04	2.53e-05	0.0
6	37	0.03	-0.02	-0.49	3.04e-04	2.50e-05	0.0
6	38	-0.03	0.02	-0.50	-2.93e-04	-2.59e-05	0.0
6	39	-0.03	-0.02	-0.45	3.03e-04	-2.62e-05	0.0
6	40	0.03	6.90e-03	-0.53	-2.84e-04	2.52e-05	0.0
6	41	0.03	-6.90e-03	-0.49	2.96e-04	2.51e-05	0.0
6	42	-0.03	6.90e-03	-0.50	-2.85e-04	-2.60e-05	0.0
6	43	-0.03	-6.90e-03	-0.45	2.95e-04	-2.61e-05	0.0
6	44	0.03	0.02	-0.53	-2.92e-04	2.53e-05	0.0
6	45	0.03	-0.02	-0.49	3.04e-04	2.50e-05	0.0
6	46	-0.03	0.02	-0.50	-2.93e-04	-2.59e-05	0.0
6	47	-0.03	-0.02	-0.45	3.03e-04	-2.62e-05	0.0
6	48	0.03	6.90e-03	-0.53	-2.84e-04	2.52e-05	0.0
6	49	0.03	-6.90e-03	-0.49	2.96e-04	2.51e-05	0.0
6	50	-0.03	6.90e-03	-0.50	-2.85e-04	-2.60e-05	0.0
6	51	-0.03	-6.90e-03	-0.45	2.95e-04	-2.61e-05	0.0
6	52	8.84e-03	0.05	-0.58	-9.87e-04	7.81e-06	0.0
6	53	0.01	-0.05	-0.42	9.99e-04	6.65e-06	0.0
6	54	-0.01	0.05	-0.57	-9.87e-04	-7.55e-06	0.0
6	55	-8.82e-03	-0.05	-0.41	9.99e-04	-8.70e-06	0.0
6	56	8.84e-03	0.05	-0.58	-9.87e-04	7.81e-06	0.0
6	57	0.01	-0.05	-0.42	9.99e-04	6.65e-06	0.0
6	58	-0.01	0.05	-0.57	-9.87e-04	-7.55e-06	0.0
6	59	-8.82e-03	-0.05	-0.41	9.99e-04	-8.70e-06	0.0
6	60	0.01	0.02	-0.57	-9.61e-04	7.31e-06	0.0
6	61	8.83e-03	-0.02	-0.42	9.73e-04	7.15e-06	0.0
6	62	-8.80e-03	0.02	-0.56	-9.61e-04	-8.04e-06	0.0
6	63	-0.01	-0.02	-0.41	9.72e-04	-8.20e-06	0.0
6	64	0.01	0.02	-0.57	-9.61e-04	7.31e-06	0.0
6	65	8.83e-03	-0.02	-0.42	9.73e-04	7.15e-06	0.0
6	66	-8.80e-03	0.02	-0.56	-9.61e-04	-8.04e-06	0.0
6	67	-0.01	-0.02	-0.41	9.72e-04	-8.20e-06	0.0
6	68	1.79e-05	9.45e-03	-0.53	-4.25e-04	0.0	0.0
6	69	1.24e-05	0.0	-0.49	5.80e-06	0.0	0.0
6	70	1.24e-05	0.0	-0.49	5.80e-06	0.0	0.0
7	1	-2.54e-04	0.66	-0.64	-3.34e-03	-2.09e-06	3.93e-06
7	2	-1.95e-04	0.66	-0.49	-3.34e-03	-1.61e-06	3.93e-06
7	3	-1.95e-04	0.44	-0.49	-2.23e-03	-1.61e-06	2.62e-06
7	4	0.04	0.06	-0.47	-2.74e-04	2.64e-05	5.55e-06
7	5	0.04	-0.06	-0.47	2.74e-04	2.64e-05	-5.55e-06
7	6	-0.04	0.06	-0.51	-2.74e-04	-2.96e-05	5.55e-06
7	7	-0.04	-0.06	-0.51	2.74e-04	-2.96e-05	-5.55e-06
7	8	0.04	0.06	-0.47	-2.83e-04	2.64e-05	-5.92e-06
7	9	0.04	-0.06	-0.47	2.83e-04	2.64e-05	5.92e-06

7	10	-0.04	0.06	-0.51	-2.83e-04	-2.96e-05	-5.92e-06
7	11	-0.04	-0.06	-0.51	2.83e-04	-2.96e-05	5.92e-06
7	12	0.04	0.06	-0.47	-2.74e-04	2.64e-05	5.55e-06
7	13	0.04	-0.06	-0.47	2.74e-04	2.64e-05	-5.55e-06
7	14	-0.04	0.06	-0.51	-2.74e-04	-2.96e-05	5.55e-06
7	15	-0.04	-0.06	-0.51	2.74e-04	-2.96e-05	-5.55e-06
7	16	0.04	0.06	-0.47	-2.83e-04	2.64e-05	-5.92e-06
7	17	0.04	-0.06	-0.47	2.83e-04	2.64e-05	5.92e-06
7	18	-0.04	0.06	-0.51	-2.83e-04	-2.96e-05	-5.92e-06
7	19	-0.04	-0.06	-0.51	2.83e-04	-2.96e-05	5.92e-06
7	20	0.01	0.18	-0.49	-9.14e-04	6.80e-06	1.85e-05
7	21	0.01	-0.18	-0.49	9.14e-04	6.80e-06	-1.85e-05
7	22	-0.01	0.18	-0.50	-9.14e-04	-1.00e-05	1.85e-05
7	23	-0.01	-0.18	-0.50	9.14e-04	-1.00e-05	-1.85e-05
7	24	0.01	0.18	-0.49	-9.14e-04	6.80e-06	1.85e-05
7	25	0.01	-0.18	-0.49	9.14e-04	6.80e-06	-1.85e-05
7	26	-0.01	0.18	-0.50	-9.14e-04	-1.00e-05	1.85e-05
7	27	-0.01	-0.18	-0.50	9.14e-04	-1.00e-05	-1.85e-05
7	28	0.01	0.22	-0.49	-9.45e-04	6.80e-06	-1.97e-05
7	29	0.01	-0.22	-0.49	9.45e-04	6.80e-06	1.97e-05
7	30	-0.01	0.22	-0.50	-9.45e-04	-1.00e-05	-1.97e-05
7	31	-0.01	-0.22	-0.50	9.45e-04	-1.00e-05	1.97e-05
7	32	0.01	0.22	-0.49	-9.45e-04	6.80e-06	-1.97e-05
7	33	0.01	-0.22	-0.49	9.45e-04	6.80e-06	1.97e-05
7	34	-0.01	0.22	-0.50	-9.45e-04	-1.00e-05	-1.97e-05
7	35	-0.01	-0.22	-0.50	9.45e-04	-1.00e-05	1.97e-05
7	36	0.04	0.06	-0.47	-2.94e-04	2.41e-05	5.91e-06
7	37	0.04	-0.06	-0.47	2.94e-04	2.41e-05	-5.91e-06
7	38	-0.04	0.06	-0.51	-2.94e-04	-2.73e-05	5.91e-06
7	39	-0.04	-0.06	-0.51	2.94e-04	-2.73e-05	-5.91e-06
7	40	0.04	0.07	-0.47	-3.04e-04	2.41e-05	-6.29e-06
7	41	0.04	-0.07	-0.47	3.04e-04	2.41e-05	6.29e-06
7	42	-0.04	0.07	-0.51	-3.04e-04	-2.73e-05	-6.29e-06
7	43	-0.04	-0.07	-0.51	3.04e-04	-2.73e-05	6.29e-06
7	44	0.04	0.06	-0.47	-2.94e-04	2.41e-05	5.91e-06
7	45	0.04	-0.06	-0.47	2.94e-04	2.41e-05	-5.91e-06
7	46	-0.04	0.06	-0.51	-2.94e-04	-2.73e-05	5.91e-06
7	47	-0.04	-0.06	-0.51	2.94e-04	-2.73e-05	-5.91e-06
7	48	0.04	0.07	-0.47	-3.04e-04	2.41e-05	-6.29e-06
7	49	0.04	-0.07	-0.47	3.04e-04	2.41e-05	6.29e-06
7	50	-0.04	0.07	-0.51	-3.04e-04	-2.73e-05	-6.29e-06
7	51	-0.04	-0.07	-0.51	3.04e-04	-2.73e-05	6.29e-06
7	52	0.01	0.20	-0.49	-9.79e-04	6.09e-06	1.97e-05
7	53	0.01	-0.20	-0.49	9.79e-04	6.09e-06	-1.97e-05
7	54	-0.01	0.20	-0.50	-9.79e-04	-9.30e-06	1.97e-05
7	55	-0.01	-0.20	-0.50	9.79e-04	-9.30e-06	-1.97e-05
7	56	0.01	0.20	-0.49	-9.79e-04	6.09e-06	1.97e-05
7	57	0.01	-0.20	-0.49	9.79e-04	6.09e-06	-1.97e-05
7	58	-0.01	0.20	-0.50	-9.79e-04	-9.30e-06	1.97e-05
7	59	-0.01	-0.20	-0.50	9.79e-04	-9.30e-06	-1.97e-05
7	60	0.01	0.23	-0.49	-1.01e-03	6.09e-06	-2.10e-05
7	61	0.01	-0.23	-0.49	1.01e-03	6.09e-06	2.10e-05
7	62	-0.01	0.23	-0.50	-1.01e-03	-9.30e-06	-2.10e-05
7	63	-0.01	-0.23	-0.50	1.01e-03	-9.30e-06	2.10e-05
7	64	0.01	0.23	-0.49	-1.01e-03	6.09e-06	-2.10e-05
7	65	0.01	-0.23	-0.49	1.01e-03	6.09e-06	2.10e-05
7	66	-0.01	0.23	-0.50	-1.01e-03	-9.30e-06	-2.10e-05
7	67	-0.01	-0.23	-0.50	1.01e-03	-9.30e-06	2.10e-05
7	68	-1.95e-04	0.09	-0.49	-4.45e-04	-1.61e-06	0.0
7	69	-1.95e-04	0.0	-0.49	0.0	-1.61e-06	0.0
7	70	-1.95e-04	0.0	-0.49	0.0	-1.61e-06	0.0
8	1	2.54e-04	0.66	-0.64	-3.34e-03	2.09e-06	-3.93e-06
8	2	1.95e-04	0.66	-0.49	-3.34e-03	1.61e-06	-3.93e-06
8	3	1.95e-04	0.44	-0.49	-2.23e-03	1.61e-06	-2.62e-06
8	4	0.04	0.06	-0.51	-2.83e-04	2.96e-05	5.92e-06
8	5	0.04	-0.06	-0.51	2.83e-04	2.96e-05	-5.92e-06
8	6	-0.04	0.06	-0.47	-2.83e-04	-2.64e-05	5.92e-06
8	7	-0.04	-0.06	-0.47	2.83e-04	-2.64e-05	-5.92e-06
8	8	0.04	0.06	-0.51	-2.74e-04	2.96e-05	-5.55e-06
8	9	0.04	-0.06	-0.51	2.74e-04	2.96e-05	5.55e-06
8	10	-0.04	0.06	-0.47	-2.74e-04	-2.64e-05	-5.55e-06
8	11	-0.04	-0.06	-0.47	2.74e-04	-2.64e-05	5.55e-06
8	12	0.04	0.06	-0.51	-2.83e-04	2.96e-05	5.92e-06
8	13	0.04	-0.06	-0.51	2.83e-04	2.96e-05	-5.92e-06
8	14	-0.04	0.06	-0.47	-2.83e-04	-2.64e-05	5.92e-06

8	15	-0.04	-0.06	-0.47	2.83e-04	-2.64e-05	-5.92e-06
8	16	0.04	0.06	-0.51	-2.74e-04	2.96e-05	-5.55e-06
8	17	0.04	-0.06	-0.51	2.74e-04	2.96e-05	5.55e-06
8	18	-0.04	0.06	-0.47	-2.74e-04	-2.64e-05	-5.55e-06
8	19	-0.04	-0.06	-0.47	2.74e-04	-2.64e-05	5.55e-06
8	20	0.01	0.22	-0.50	-9.45e-04	1.00e-05	1.97e-05
8	21	0.01	-0.22	-0.50	9.45e-04	1.00e-05	-1.97e-05
8	22	-0.01	0.22	-0.49	-9.45e-04	-6.80e-06	1.97e-05
8	23	-0.01	-0.22	-0.49	9.45e-04	-6.80e-06	-1.97e-05
8	24	0.01	0.22	-0.50	-9.45e-04	1.00e-05	1.97e-05
8	25	0.01	-0.22	-0.50	9.45e-04	1.00e-05	-1.97e-05
8	26	-0.01	0.22	-0.49	-9.45e-04	-6.80e-06	1.97e-05
8	27	-0.01	-0.22	-0.49	9.45e-04	-6.80e-06	-1.97e-05
8	28	0.01	0.18	-0.50	-9.14e-04	1.00e-05	-1.85e-05
8	29	0.01	-0.18	-0.50	9.14e-04	1.00e-05	1.85e-05
8	30	-0.01	0.18	-0.49	-9.14e-04	-6.80e-06	-1.85e-05
8	31	-0.01	-0.18	-0.49	9.14e-04	-6.80e-06	1.85e-05
8	32	0.01	0.18	-0.50	-9.14e-04	1.00e-05	-1.85e-05
8	33	0.01	-0.18	-0.50	9.14e-04	1.00e-05	1.85e-05
8	34	-0.01	0.18	-0.49	-9.14e-04	-6.80e-06	-1.85e-05
8	35	-0.01	-0.18	-0.49	9.14e-04	-6.80e-06	1.85e-05
8	36	0.04	0.07	-0.51	-3.04e-04	2.73e-05	6.29e-06
8	37	0.04	-0.07	-0.51	3.04e-04	2.73e-05	-6.29e-06
8	38	-0.04	0.07	-0.47	-3.04e-04	-2.41e-05	6.29e-06
8	39	-0.04	-0.07	-0.47	3.04e-04	-2.41e-05	-6.29e-06
8	40	0.04	0.06	-0.51	-2.94e-04	2.73e-05	-5.91e-06
8	41	0.04	-0.06	-0.51	2.94e-04	2.73e-05	5.91e-06
8	42	-0.04	0.06	-0.47	-2.94e-04	-2.41e-05	-5.91e-06
8	43	-0.04	-0.06	-0.47	2.94e-04	-2.41e-05	5.91e-06
8	44	0.04	0.07	-0.51	-3.04e-04	2.73e-05	6.29e-06
8	45	0.04	-0.07	-0.51	3.04e-04	2.73e-05	-6.29e-06
8	46	-0.04	0.07	-0.47	-3.04e-04	-2.41e-05	6.29e-06
8	47	-0.04	-0.07	-0.47	3.04e-04	-2.41e-05	-6.29e-06
8	48	0.04	0.06	-0.51	-2.94e-04	2.73e-05	-5.91e-06
8	49	0.04	-0.06	-0.51	2.94e-04	2.73e-05	5.91e-06
8	50	-0.04	0.06	-0.47	-2.94e-04	-2.41e-05	-5.91e-06
8	51	-0.04	-0.06	-0.47	2.94e-04	-2.41e-05	5.91e-06
8	52	0.01	0.23	-0.50	-1.01e-03	9.30e-06	2.10e-05
8	53	0.01	-0.23	-0.50	1.01e-03	9.30e-06	-2.10e-05
8	54	-0.01	0.23	-0.49	-1.01e-03	-6.09e-06	2.10e-05
8	55	-0.01	-0.23	-0.49	1.01e-03	-6.09e-06	-2.10e-05
8	56	0.01	0.23	-0.50	-1.01e-03	9.30e-06	2.10e-05
8	57	0.01	-0.23	-0.50	1.01e-03	9.30e-06	-2.10e-05
8	58	-0.01	0.23	-0.49	-1.01e-03	-6.09e-06	2.10e-05
8	59	-0.01	-0.23	-0.49	1.01e-03	-6.09e-06	-2.10e-05
8	60	0.01	0.20	-0.50	-9.79e-04	9.30e-06	1.97e-05
8	61	0.01	-0.20	-0.50	9.79e-04	9.30e-06	-1.97e-05
8	62	-0.01	0.20	-0.49	-9.79e-04	-6.09e-06	1.97e-05
8	63	-0.01	-0.20	-0.49	9.79e-04	-6.09e-06	-1.97e-05
8	64	0.01	0.20	-0.50	-9.79e-04	9.30e-06	1.97e-05
8	65	0.01	-0.20	-0.50	9.79e-04	9.30e-06	-1.97e-05
8	66	-0.01	0.20	-0.49	-9.79e-04	-6.09e-06	1.97e-05
8	67	-0.01	-0.20	-0.49	9.79e-04	-6.09e-06	-1.97e-05
8	68	1.95e-04	0.09	-0.49	-4.45e-04	1.61e-06	0.0
8	69	1.95e-04	0.0	-0.49	0.0	1.61e-06	0.0
8	70	1.95e-04	0.0	-0.49	0.0	1.61e-06	0.0
9	1	-1.59e-05	0.07	-0.64	-3.24e-03	-1.01e-06	0.0
9	2	-1.22e-05	0.07	-0.49	-3.24e-03	0.0	0.0
9	3	-1.22e-05	0.05	-0.49	-2.16e-03	0.0	0.0
9	4	0.04	6.87e-03	-0.47	-2.71e-04	2.71e-05	5.43e-06
9	5	0.04	-6.87e-03	-0.47	2.71e-04	2.71e-05	-5.43e-06
9	6	-0.04	6.87e-03	-0.51	-2.71e-04	-2.86e-05	5.43e-06
9	7	-0.04	-6.87e-03	-0.51	2.71e-04	-2.86e-05	-5.43e-06
9	8	0.04	0.01	-0.47	-2.79e-04	2.71e-05	-5.43e-06
9	9	0.04	-0.01	-0.47	2.79e-04	2.71e-05	5.43e-06
9	10	-0.04	0.01	-0.51	-2.79e-04	-2.86e-05	-5.43e-06
9	11	-0.04	-0.01	-0.51	2.79e-04	-2.86e-05	5.43e-06
9	12	0.04	6.87e-03	-0.47	-2.71e-04	2.71e-05	5.43e-06
9	13	0.04	-6.87e-03	-0.47	2.71e-04	2.71e-05	-5.43e-06
9	14	-0.04	6.87e-03	-0.51	-2.71e-04	-2.86e-05	5.43e-06
9	15	-0.04	-6.87e-03	-0.51	2.71e-04	-2.86e-05	-5.43e-06
9	16	0.04	0.01	-0.47	-2.79e-04	2.71e-05	-5.43e-06
9	17	0.04	-0.01	-0.47	2.79e-04	2.71e-05	5.43e-06
9	18	-0.04	0.01	-0.51	-2.79e-04	-2.86e-05	-5.43e-06
9	19	-0.04	-0.01	-0.51	2.79e-04	-2.86e-05	5.43e-06

9	20	0.01	0.02	-0.49	-9.04e-04	7.58e-06	1.81e-05
9	21	0.01	-0.02	-0.49	9.04e-04	7.58e-06	-1.81e-05
9	22	-0.01	0.02	-0.50	-9.04e-04	-9.13e-06	1.81e-05
9	23	-0.01	-0.02	-0.50	9.04e-04	-9.13e-06	-1.81e-05
9	24	0.01	0.02	-0.49	-9.04e-04	7.58e-06	1.81e-05
9	25	0.01	-0.02	-0.49	9.04e-04	7.58e-06	-1.81e-05
9	26	-0.01	0.02	-0.50	-9.04e-04	-9.13e-06	1.81e-05
9	27	-0.01	-0.02	-0.50	9.04e-04	-9.13e-06	-1.81e-05
9	28	0.01	0.05	-0.49	-9.28e-04	7.58e-06	-1.81e-05
9	29	0.01	-0.05	-0.49	9.28e-04	7.58e-06	1.81e-05
9	30	-0.01	0.05	-0.50	-9.28e-04	-9.13e-06	-1.81e-05
9	31	-0.01	-0.05	-0.50	9.28e-04	-9.13e-06	1.81e-05
9	32	0.01	0.05	-0.49	-9.28e-04	7.58e-06	-1.81e-05
9	33	0.01	-0.05	-0.49	9.28e-04	7.58e-06	1.81e-05
9	34	-0.01	0.05	-0.50	-9.28e-04	-9.13e-06	-1.81e-05
9	35	-0.01	-0.05	-0.50	9.28e-04	-9.13e-06	1.81e-05
9	36	0.03	7.31e-03	-0.48	-2.91e-04	2.47e-05	5.78e-06
9	37	0.03	-7.31e-03	-0.48	2.91e-04	2.47e-05	-5.78e-06
9	38	-0.03	7.31e-03	-0.51	-2.91e-04	-2.63e-05	5.78e-06
9	39	-0.03	-7.31e-03	-0.51	2.91e-04	-2.63e-05	-5.78e-06
9	40	0.03	0.01	-0.48	-2.98e-04	2.47e-05	-5.76e-06
9	41	0.03	-0.01	-0.48	2.98e-04	2.47e-05	5.76e-06
9	42	-0.03	0.01	-0.51	-2.98e-04	-2.63e-05	-5.76e-06
9	43	-0.03	-0.01	-0.51	2.98e-04	-2.63e-05	5.76e-06
9	44	0.03	7.31e-03	-0.48	-2.91e-04	2.47e-05	5.78e-06
9	45	0.03	-7.31e-03	-0.48	2.91e-04	2.47e-05	-5.78e-06
9	46	-0.03	7.31e-03	-0.51	-2.91e-04	-2.63e-05	5.78e-06
9	47	-0.03	-7.31e-03	-0.51	2.91e-04	-2.63e-05	-5.78e-06
9	48	0.03	0.01	-0.48	-2.98e-04	2.47e-05	-5.76e-06
9	49	0.03	-0.01	-0.48	2.98e-04	2.47e-05	5.76e-06
9	50	-0.03	0.01	-0.51	-2.98e-04	-2.63e-05	-5.76e-06
9	51	-0.03	-0.01	-0.51	2.98e-04	-2.63e-05	5.76e-06
9	52	0.01	0.02	-0.49	-9.68e-04	6.88e-06	1.93e-05
9	53	0.01	-0.02	-0.49	9.68e-04	6.88e-06	-1.93e-05
9	54	-0.01	0.02	-0.50	-9.68e-04	-8.42e-06	1.93e-05
9	55	-0.01	-0.02	-0.50	9.68e-04	-8.42e-06	-1.93e-05
9	56	0.01	0.02	-0.49	-9.68e-04	6.88e-06	1.93e-05
9	57	0.01	-0.02	-0.49	9.68e-04	6.88e-06	-1.93e-05
9	58	-0.01	0.02	-0.50	-9.68e-04	-8.42e-06	1.93e-05
9	59	-0.01	-0.02	-0.50	9.68e-04	-8.42e-06	-1.93e-05
9	60	0.01	0.05	-0.49	-9.95e-04	6.88e-06	-1.92e-05
9	61	0.01	-0.05	-0.49	9.95e-04	6.88e-06	1.92e-05
9	62	-0.01	0.05	-0.50	-9.95e-04	-8.42e-06	-1.92e-05
9	63	-0.01	-0.05	-0.50	9.95e-04	-8.42e-06	1.92e-05
9	64	0.01	0.05	-0.49	-9.95e-04	6.88e-06	-1.92e-05
9	65	0.01	-0.05	-0.49	9.95e-04	6.88e-06	1.92e-05
9	66	-0.01	0.05	-0.50	-9.95e-04	-8.42e-06	-1.92e-05
9	67	-0.01	-0.05	-0.50	9.95e-04	-8.42e-06	1.92e-05
9	68	-1.22e-05	9.45e-03	-0.49	-4.31e-04	0.0	0.0
9	69	-1.22e-05	0.0	-0.49	0.0	0.0	0.0
9	70	-1.22e-05	0.0	-0.49	0.0	0.0	0.0
10	1	2.00e-05	0.07	-0.38	-3.24e-03	0.0	0.0
10	2	2.35e-05	0.07	-0.23	-3.23e-03	0.0	0.0
10	3	1.18e-05	0.05	-0.32	-2.16e-03	0.0	0.0
10	4	0.04	6.87e-03	-0.45	-2.76e-04	2.70e-05	0.0
10	5	0.04	-6.87e-03	-0.50	2.65e-04	2.72e-05	0.0
10	6	-0.04	6.87e-03	-0.49	-2.77e-04	-2.86e-05	0.0
10	7	-0.04	-6.87e-03	-0.53	2.64e-04	-2.85e-05	0.0
10	8	0.04	0.01	-0.45	-2.83e-04	2.72e-05	0.0
10	9	0.04	-0.01	-0.50	2.72e-04	2.70e-05	0.0
10	10	-0.04	0.01	-0.49	-2.84e-04	-2.84e-05	0.0
10	11	-0.04	-0.01	-0.53	2.71e-04	-2.87e-05	0.0
10	12	0.04	6.87e-03	-0.45	-2.76e-04	2.70e-05	0.0
10	13	0.04	-6.87e-03	-0.50	2.65e-04	2.72e-05	0.0
10	14	-0.04	6.87e-03	-0.49	-2.77e-04	-2.86e-05	0.0
10	15	-0.04	-6.87e-03	-0.53	2.64e-04	-2.85e-05	0.0
10	16	0.04	0.01	-0.45	-2.83e-04	2.72e-05	0.0
10	17	0.04	-0.01	-0.50	2.72e-04	2.70e-05	0.0
10	18	-0.04	0.01	-0.49	-2.84e-04	-2.84e-05	0.0
10	19	-0.04	-0.01	-0.53	2.71e-04	-2.87e-05	0.0
10	20	0.01	0.02	-0.41	-9.08e-04	7.31e-06	0.0
10	21	9.63e-03	-0.02	-0.56	8.96e-04	7.94e-06	0.0
10	22	-9.66e-03	0.02	-0.43	-9.08e-04	-9.39e-06	0.0
10	23	-0.01	-0.02	-0.57	8.96e-04	-8.75e-06	0.0
10	24	0.01	0.02	-0.41	-9.08e-04	7.31e-06	0.0

10	25	9.63e-03	-0.02	-0.56	8.96e-04	7.94e-06	0.0
10	26	-9.66e-03	0.02	-0.43	-9.08e-04	-9.39e-06	0.0
10	27	-0.01	-0.02	-0.57	8.96e-04	-8.75e-06	0.0
10	28	9.64e-03	0.05	-0.41	-9.32e-04	8.00e-06	0.0
10	29	0.01	-0.05	-0.56	9.20e-04	7.25e-06	0.0
10	30	-0.01	0.05	-0.42	-9.32e-04	-8.69e-06	0.0
10	31	-9.66e-03	-0.05	-0.57	9.20e-04	-9.44e-06	0.0
10	32	9.64e-03	0.05	-0.41	-9.32e-04	8.00e-06	0.0
10	33	0.01	-0.05	-0.56	9.20e-04	7.25e-06	0.0
10	34	-0.01	0.05	-0.42	-9.32e-04	-8.69e-06	0.0
10	35	-9.66e-03	-0.05	-0.57	9.20e-04	-9.44e-06	0.0
10	36	0.03	7.31e-03	-0.45	-2.96e-04	2.47e-05	0.0
10	37	0.03	-7.31e-03	-0.50	2.85e-04	2.49e-05	0.0
10	38	-0.03	7.31e-03	-0.49	-2.96e-04	-2.63e-05	0.0
10	39	-0.03	-7.31e-03	-0.53	2.84e-04	-2.61e-05	0.0
10	40	0.03	0.01	-0.45	-3.03e-04	2.49e-05	0.0
10	41	0.03	-0.01	-0.50	2.92e-04	2.46e-05	0.0
10	42	-0.03	0.01	-0.48	-3.04e-04	-2.61e-05	0.0
10	43	-0.03	-0.01	-0.53	2.91e-04	-2.63e-05	0.0
10	44	0.03	7.31e-03	-0.45	-2.96e-04	2.47e-05	0.0
10	45	0.03	-7.31e-03	-0.50	2.85e-04	2.49e-05	0.0
10	46	-0.03	7.31e-03	-0.49	-2.96e-04	-2.63e-05	0.0
10	47	-0.03	-7.31e-03	-0.53	2.84e-04	-2.61e-05	0.0
10	48	0.03	0.01	-0.45	-3.03e-04	2.49e-05	0.0
10	49	0.03	-0.01	-0.50	2.92e-04	2.46e-05	0.0
10	50	-0.03	0.01	-0.48	-3.04e-04	-2.61e-05	0.0
10	51	-0.03	-0.01	-0.53	2.91e-04	-2.63e-05	0.0
10	52	0.01	0.02	-0.41	-9.73e-04	6.59e-06	0.0
10	53	8.81e-03	-0.02	-0.56	9.61e-04	7.25e-06	0.0
10	54	-8.83e-03	0.02	-0.42	-9.73e-04	-8.69e-06	0.0
10	55	-0.01	-0.02	-0.57	9.61e-04	-8.03e-06	0.0
10	56	0.01	0.02	-0.41	-9.73e-04	6.59e-06	0.0
10	57	8.81e-03	-0.02	-0.56	9.61e-04	7.25e-06	0.0
10	58	-8.83e-03	0.02	-0.42	-9.73e-04	-8.69e-06	0.0
10	59	-0.01	-0.02	-0.57	9.61e-04	-8.03e-06	0.0
10	60	8.82e-03	0.05	-0.41	-9.98e-04	7.32e-06	0.0
10	61	0.01	-0.05	-0.57	9.87e-04	6.53e-06	0.0
10	62	-0.01	0.05	-0.42	-9.99e-04	-7.97e-06	0.0
10	63	-8.84e-03	-0.05	-0.58	9.87e-04	-8.76e-06	0.0
10	64	8.82e-03	0.05	-0.41	-9.98e-04	7.32e-06	0.0
10	65	0.01	-0.05	-0.57	9.87e-04	6.53e-06	0.0
10	66	-0.01	0.05	-0.42	-9.99e-04	-7.97e-06	0.0
10	67	-8.84e-03	-0.05	-0.58	9.87e-04	-8.76e-06	0.0
10	68	-7.04e-06	9.45e-03	-0.46	-4.36e-04	0.0	0.0
10	69	-1.17e-05	1.15e-06	-0.49	-5.97e-06	0.0	0.0
10	70	-1.17e-05	1.15e-06	-0.49	-5.97e-06	0.0	0.0
11	1	-1.28e-05	0.07	-0.64	-3.24e-03	0.0	0.0
11	2	-9.88e-06	0.07	-0.49	-3.24e-03	0.0	0.0
11	3	-9.88e-06	0.05	-0.49	-2.16e-03	0.0	0.0
11	4	0.04	7.25e-03	-0.48	-2.71e-04	2.70e-05	5.43e-06
11	5	0.04	-7.25e-03	-0.48	2.71e-04	2.70e-05	-5.43e-06
11	6	-0.04	7.25e-03	-0.51	-2.71e-04	-2.84e-05	5.43e-06
11	7	-0.04	-7.25e-03	-0.51	2.71e-04	-2.84e-05	-5.43e-06
11	8	0.04	0.01	-0.48	-2.78e-04	2.70e-05	-5.45e-06
11	9	0.04	-0.01	-0.48	2.78e-04	2.70e-05	5.45e-06
11	10	-0.04	0.01	-0.51	-2.78e-04	-2.84e-05	-5.45e-06
11	11	-0.04	-0.01	-0.51	2.78e-04	-2.84e-05	5.45e-06
11	12	0.04	7.25e-03	-0.48	-2.71e-04	2.70e-05	5.43e-06
11	13	0.04	-7.25e-03	-0.48	2.71e-04	2.70e-05	-5.43e-06
11	14	-0.04	7.25e-03	-0.51	-2.71e-04	-2.84e-05	5.43e-06
11	15	-0.04	-7.25e-03	-0.51	2.71e-04	-2.84e-05	-5.43e-06
11	16	0.04	0.01	-0.48	-2.78e-04	2.70e-05	-5.45e-06
11	17	0.04	-0.01	-0.48	2.78e-04	2.70e-05	5.45e-06
11	18	-0.04	0.01	-0.51	-2.78e-04	-2.84e-05	-5.45e-06
11	19	-0.04	-0.01	-0.51	2.78e-04	-2.84e-05	5.45e-06
11	20	0.01	0.02	-0.49	-9.04e-04	7.62e-06	1.81e-05
11	21	0.01	-0.02	-0.49	9.04e-04	7.62e-06	-1.81e-05
11	22	-0.01	0.02	-0.50	-9.04e-04	-9.00e-06	1.81e-05
11	23	-0.01	-0.02	-0.50	9.04e-04	-9.00e-06	-1.81e-05
11	24	0.01	0.02	-0.49	-9.04e-04	7.62e-06	1.81e-05
11	25	0.01	-0.02	-0.49	9.04e-04	7.62e-06	-1.81e-05
11	26	-0.01	0.02	-0.50	-9.04e-04	-9.00e-06	1.81e-05
11	27	-0.01	-0.02	-0.50	9.04e-04	-9.00e-06	-1.81e-05
11	28	0.01	0.04	-0.49	-9.28e-04	7.62e-06	-1.82e-05
11	29	0.01	-0.04	-0.49	9.28e-04	7.62e-06	1.82e-05

11	30	-0.01	0.04	-0.50	-9.28e-04	-9.00e-06	-1.82e-05
11	31	-0.01	-0.04	-0.50	9.28e-04	-9.00e-06	1.82e-05
11	32	0.01	0.04	-0.49	-9.28e-04	7.62e-06	-1.82e-05
11	33	0.01	-0.04	-0.49	9.28e-04	7.62e-06	1.82e-05
11	34	-0.01	0.04	-0.50	-9.28e-04	-9.00e-06	-1.82e-05
11	35	-0.01	-0.04	-0.50	9.28e-04	-9.00e-06	1.82e-05
11	36	0.03	7.73e-03	-0.48	-2.91e-04	2.47e-05	5.77e-06
11	37	0.03	-7.73e-03	-0.48	2.91e-04	2.47e-05	-5.77e-06
11	38	-0.03	7.73e-03	-0.51	-2.91e-04	-2.61e-05	5.77e-06
11	39	-0.03	-7.73e-03	-0.51	2.91e-04	-2.61e-05	-5.77e-06
11	40	0.03	0.01	-0.48	-2.98e-04	2.47e-05	-5.78e-06
11	41	0.03	-0.01	-0.48	2.98e-04	2.47e-05	5.78e-06
11	42	-0.03	0.01	-0.51	-2.98e-04	-2.61e-05	-5.78e-06
11	43	-0.03	-0.01	-0.51	2.98e-04	-2.61e-05	5.78e-06
11	44	0.03	7.73e-03	-0.48	-2.91e-04	2.47e-05	5.77e-06
11	45	0.03	-7.73e-03	-0.48	2.91e-04	2.47e-05	-5.77e-06
11	46	-0.03	7.73e-03	-0.51	-2.91e-04	-2.61e-05	5.77e-06
11	47	-0.03	-7.73e-03	-0.51	2.91e-04	-2.61e-05	-5.77e-06
11	48	0.03	0.01	-0.48	-2.98e-04	2.47e-05	-5.78e-06
11	49	0.03	-0.01	-0.48	2.98e-04	2.47e-05	5.78e-06
11	50	-0.03	0.01	-0.51	-2.98e-04	-2.61e-05	-5.78e-06
11	51	-0.03	-0.01	-0.51	2.98e-04	-2.61e-05	5.78e-06
11	52	0.01	0.03	-0.49	-9.69e-04	6.92e-06	1.92e-05
11	53	0.01	-0.03	-0.49	9.69e-04	6.92e-06	-1.92e-05
11	54	-0.01	0.03	-0.50	-9.69e-04	-8.30e-06	1.92e-05
11	55	-0.01	-0.03	-0.50	9.69e-04	-8.30e-06	-1.92e-05
11	56	0.01	0.03	-0.49	-9.69e-04	6.92e-06	1.92e-05
11	57	0.01	-0.03	-0.49	9.69e-04	6.92e-06	-1.92e-05
11	58	-0.01	0.03	-0.50	-9.69e-04	-8.30e-06	1.92e-05
11	59	-0.01	-0.03	-0.50	9.69e-04	-8.30e-06	-1.92e-05
11	60	0.01	0.05	-0.49	-9.94e-04	6.92e-06	-1.93e-05
11	61	0.01	-0.05	-0.49	9.94e-04	6.92e-06	1.93e-05
11	62	-0.01	0.05	-0.50	-9.94e-04	-8.30e-06	-1.93e-05
11	63	-0.01	-0.05	-0.50	9.94e-04	-8.30e-06	1.93e-05
11	64	0.01	0.05	-0.49	-9.94e-04	6.92e-06	-1.93e-05
11	65	0.01	-0.05	-0.49	9.94e-04	6.92e-06	1.93e-05
11	66	-0.01	0.05	-0.50	-9.94e-04	-8.30e-06	-1.93e-05
11	67	-0.01	-0.05	-0.50	9.94e-04	-8.30e-06	1.93e-05
11	68	-9.88e-06	9.46e-03	-0.49	-4.31e-04	0.0	0.0
11	69	-9.88e-06	0.0	-0.49	0.0	0.0	0.0
11	70	-9.88e-06	0.0	-0.49	0.0	0.0	0.0
12	1	1.40e-05	0.07	-0.38	-3.24e-03	0.0	0.0
12	2	1.70e-05	0.07	-0.23	-3.23e-03	0.0	0.0
12	3	7.93e-06	0.05	-0.32	-2.16e-03	0.0	0.0
12	4	0.04	7.25e-03	-0.45	-2.76e-04	2.68e-05	0.0
12	5	0.04	-7.25e-03	-0.50	2.65e-04	2.72e-05	0.0
12	6	-0.04	7.25e-03	-0.49	-2.77e-04	-2.86e-05	0.0
12	7	-0.04	-7.25e-03	-0.53	2.64e-04	-2.82e-05	0.0
12	8	0.04	0.01	-0.45	-2.83e-04	2.72e-05	0.0
12	9	0.04	-0.01	-0.50	2.72e-04	2.68e-05	0.0
12	10	-0.04	0.01	-0.49	-2.84e-04	-2.82e-05	0.0
12	11	-0.04	-0.01	-0.53	2.71e-04	-2.86e-05	0.0
12	12	0.04	7.25e-03	-0.45	-2.76e-04	2.68e-05	0.0
12	13	0.04	-7.25e-03	-0.50	2.65e-04	2.72e-05	0.0
12	14	-0.04	7.25e-03	-0.49	-2.77e-04	-2.86e-05	0.0
12	15	-0.04	-7.25e-03	-0.53	2.64e-04	-2.82e-05	0.0
12	16	0.04	0.01	-0.45	-2.83e-04	2.72e-05	0.0
12	17	0.04	-0.01	-0.50	2.72e-04	2.68e-05	0.0
12	18	-0.04	0.01	-0.49	-2.84e-04	-2.82e-05	0.0
12	19	-0.04	-0.01	-0.53	2.71e-04	-2.86e-05	0.0
12	20	0.01	0.02	-0.41	-9.08e-04	7.05e-06	0.0
12	21	9.64e-03	-0.02	-0.56	8.97e-04	8.18e-06	0.0
12	22	-9.66e-03	0.02	-0.42	-9.09e-04	-9.57e-06	0.0
12	23	-0.01	-0.02	-0.57	8.96e-04	-8.43e-06	0.0
12	24	0.01	0.02	-0.41	-9.08e-04	7.05e-06	0.0
12	25	9.64e-03	-0.02	-0.56	8.97e-04	8.18e-06	0.0
12	26	-9.66e-03	0.02	-0.42	-9.09e-04	-9.57e-06	0.0
12	27	-0.01	-0.02	-0.57	8.96e-04	-8.43e-06	0.0
12	28	9.64e-03	0.04	-0.41	-9.31e-04	8.26e-06	0.0
12	29	0.01	-0.04	-0.56	9.20e-04	6.97e-06	0.0
12	30	-0.01	0.04	-0.42	-9.32e-04	-8.36e-06	0.0
12	31	-9.66e-03	-0.04	-0.57	9.19e-04	-9.64e-06	0.0
12	32	9.64e-03	0.04	-0.41	-9.31e-04	8.26e-06	0.0
12	33	0.01	-0.04	-0.56	9.20e-04	6.97e-06	0.0
12	34	-0.01	0.04	-0.42	-9.32e-04	-8.36e-06	0.0



12	35	-9.66e-03	-0.04	-0.57	9.19e-04	-9.64e-06	0.0
12	36	0.03	7.73e-03	-0.45	-2.96e-04	2.45e-05	0.0
12	37	0.03	-7.73e-03	-0.50	2.85e-04	2.48e-05	0.0
12	38	-0.03	7.73e-03	-0.48	-2.97e-04	-2.62e-05	0.0
12	39	-0.03	-7.73e-03	-0.53	2.84e-04	-2.59e-05	0.0
12	40	0.03	0.01	-0.45	-3.03e-04	2.49e-05	0.0
12	41	0.03	-0.01	-0.50	2.92e-04	2.45e-05	0.0
12	42	-0.03	0.01	-0.48	-3.04e-04	-2.58e-05	0.0
12	43	-0.03	-0.01	-0.53	2.91e-04	-2.62e-05	0.0
12	44	0.03	7.73e-03	-0.45	-2.96e-04	2.45e-05	0.0
12	45	0.03	-7.73e-03	-0.50	2.85e-04	2.48e-05	0.0
12	46	-0.03	7.73e-03	-0.48	-2.97e-04	-2.62e-05	0.0
12	47	-0.03	-7.73e-03	-0.53	2.84e-04	-2.59e-05	0.0
12	48	0.03	0.01	-0.45	-3.03e-04	2.49e-05	0.0
12	49	0.03	-0.01	-0.50	2.92e-04	2.45e-05	0.0
12	50	-0.03	0.01	-0.48	-3.04e-04	-2.58e-05	0.0
12	51	-0.03	-0.01	-0.53	2.91e-04	-2.62e-05	0.0
12	52	0.01	0.03	-0.41	-9.73e-04	6.31e-06	0.0
12	53	8.81e-03	-0.03	-0.56	9.61e-04	7.51e-06	0.0
12	54	-8.83e-03	0.03	-0.42	-9.73e-04	-8.89e-06	0.0
12	55	-0.01	-0.03	-0.57	9.61e-04	-7.70e-06	0.0
12	56	0.01	0.03	-0.41	-9.73e-04	6.31e-06	0.0
12	57	8.81e-03	-0.03	-0.56	9.61e-04	7.51e-06	0.0
12	58	-8.83e-03	0.03	-0.42	-9.73e-04	-8.89e-06	0.0
12	59	-0.01	-0.03	-0.57	9.61e-04	-7.70e-06	0.0
12	60	8.82e-03	0.05	-0.41	-9.98e-04	7.59e-06	0.0
12	61	0.01	-0.05	-0.57	9.86e-04	6.23e-06	0.0
12	62	-0.01	0.05	-0.42	-9.98e-04	-7.62e-06	0.0
12	63	-8.84e-03	-0.05	-0.58	9.86e-04	5.42e-06	0.0
12	64	8.82e-03	0.05	-0.41	-9.98e-04	7.59e-06	0.0
12	65	0.01	-0.05	-0.57	9.86e-04	6.23e-06	0.0
12	66	-0.01	0.05	-0.42	-9.98e-04	-7.62e-06	0.0
12	67	-8.84e-03	-0.05	-0.58	9.86e-04	-8.98e-06	0.0
12	68	-6.66e-06	9.46e-03	-0.46	-4.36e-04	0.0	0.0
12	69	-1.03e-05	0.0	-0.49	-6.00e-06	0.0	0.0
12	70	-1.03e-05	0.0	-0.49	-6.00e-06	0.0	0.0
13	1	-1.13e-05	0.07	-0.64	-3.24e-03	0.0	0.0
13	2	-8.71e-06	0.07	-0.49	-3.24e-03	0.0	0.0
13	3	-8.71e-06	0.05	-0.49	-2.16e-03	0.0	0.0
13	4	0.04	7.64e-03	-0.48	-2.71e-04	2.70e-05	5.42e-06
13	5	0.04	-7.64e-03	-0.48	2.71e-04	2.70e-05	-5.42e-06
13	6	-0.04	7.64e-03	-0.51	-2.71e-04	-2.81e-05	5.42e-06
13	7	-0.04	-7.64e-03	-0.51	2.71e-04	-2.81e-05	-5.42e-06
13	8	0.04	0.01	-0.48	-2.78e-04	2.70e-05	-5.47e-06
13	9	0.04	-0.01	-0.48	2.78e-04	2.70e-05	5.47e-06
13	10	-0.04	0.01	-0.51	-2.78e-04	-2.81e-05	-5.47e-06
13	11	-0.04	-0.01	-0.51	2.78e-04	-2.81e-05	5.47e-06
13	12	0.04	7.64e-03	-0.48	-2.71e-04	2.70e-05	5.42e-06
13	13	0.04	-7.64e-03	-0.48	2.71e-04	2.70e-05	-5.42e-06
13	14	-0.04	7.64e-03	-0.51	-2.71e-04	-2.81e-05	5.42e-06
13	15	-0.04	-7.64e-03	-0.51	2.71e-04	-2.81e-05	-5.42e-06
13	16	0.04	0.01	-0.48	-2.78e-04	2.70e-05	-5.47e-06
13	17	0.04	-0.01	-0.48	2.78e-04	2.70e-05	5.47e-06
13	18	-0.04	0.01	-0.51	-2.78e-04	-2.81e-05	-5.47e-06
13	19	-0.04	-0.01	-0.51	2.78e-04	-2.81e-05	5.47e-06
13	20	0.01	0.03	-0.49	-9.05e-04	7.67e-06	1.81e-05
13	21	0.01	-0.03	-0.49	9.05e-04	7.67e-06	-1.81e-05
13	22	-0.01	0.03	-0.50	-9.05e-04	-8.85e-06	1.81e-05
13	23	-0.01	-0.03	-0.50	9.05e-04	-8.85e-06	-1.81e-05
13	24	0.01	0.03	-0.49	-9.05e-04	7.67e-06	1.81e-05
13	25	0.01	-0.03	-0.49	9.05e-04	7.67e-06	-1.81e-05
13	26	-0.01	0.03	-0.50	-9.05e-04	-8.85e-06	1.81e-05
13	27	-0.01	-0.03	-0.50	9.05e-04	-8.85e-06	-1.81e-05
13	28	0.01	0.04	-0.49	-9.27e-04	7.67e-06	-1.82e-05
13	29	0.01	-0.04	-0.49	9.27e-04	7.67e-06	1.82e-05
13	30	-0.01	0.04	-0.50	-9.27e-04	-8.85e-06	-1.82e-05
13	31	-0.01	-0.04	-0.50	9.27e-04	-8.85e-06	1.82e-05
13	32	0.01	0.04	-0.49	-9.27e-04	7.67e-06	-1.82e-05
13	33	0.01	-0.04	-0.49	9.27e-04	7.67e-06	1.82e-05
13	34	-0.01	0.04	-0.50	-9.27e-04	-8.85e-06	-1.82e-05
13	35	-0.01	-0.04	-0.50	9.27e-04	-8.85e-06	1.82e-05
13	36	0.03	8.14e-03	-0.48	-2.91e-04	2.46e-05	5.77e-06
13	37	0.03	-8.14e-03	-0.48	2.91e-04	2.46e-05	-5.77e-06
13	38	-0.03	8.14e-03	-0.51	-2.91e-04	-2.58e-05	5.77e-06
13	39	-0.03	-8.14e-03	-0.51	2.91e-04	-2.58e-05	-5.77e-06

13	40	0.03	0.01	-0.48	-2.98e-04	2.46e-05	-5.80e-06
13	41	0.03	-0.01	-0.48	2.98e-04	2.46e-05	5.80e-06
13	42	-0.03	0.01	-0.51	-2.98e-04	-2.58e-05	-5.80e-06
13	43	-0.03	-0.01	-0.51	2.98e-04	-2.58e-05	5.80e-06
13	44	0.03	8.14e-03	-0.48	-2.91e-04	2.46e-05	5.77e-06
13	45	0.03	-8.14e-03	-0.48	2.91e-04	2.46e-05	-5.77e-06
13	46	-0.03	8.14e-03	-0.51	-2.91e-04	-2.58e-05	5.77e-06
13	47	-0.03	-8.14e-03	-0.51	2.91e-04	-2.58e-05	-5.77e-06
13	48	0.03	0.01	-0.48	-2.98e-04	2.46e-05	-5.80e-06
13	49	0.03	-0.01	-0.48	2.98e-04	2.46e-05	5.80e-06
13	50	-0.03	0.01	-0.51	-2.98e-04	-2.58e-05	-5.80e-06
13	51	-0.03	-0.01	-0.51	2.98e-04	-2.58e-05	5.80e-06
13	52	0.01	0.03	-0.49	-9.70e-04	6.97e-06	1.92e-05
13	53	0.01	-0.03	-0.49	9.70e-04	6.97e-06	-1.92e-05
13	54	-0.01	0.03	-0.50	-9.70e-04	-8.15e-06	1.92e-05
13	55	-0.01	-0.03	-0.50	9.70e-04	-8.15e-06	-1.92e-05
13	56	0.01	0.03	-0.49	-9.70e-04	6.97e-06	1.92e-05
13	57	0.01	-0.03	-0.49	9.70e-04	6.97e-06	-1.92e-05
13	58	-0.01	0.03	-0.50	-9.70e-04	-8.15e-06	1.92e-05
13	59	-0.01	-0.03	-0.50	9.70e-04	-8.15e-06	-1.92e-05
13	60	0.01	0.05	-0.49	-9.93e-04	6.97e-06	-1.93e-05
13	61	0.01	-0.05	-0.49	9.93e-04	6.97e-06	1.93e-05
13	62	-0.01	0.05	-0.50	-9.93e-04	-8.15e-06	-1.93e-05
13	63	-0.01	-0.05	-0.50	9.93e-04	-8.15e-06	1.93e-05
13	64	0.01	0.05	-0.49	-9.93e-04	6.97e-06	-1.93e-05
13	65	0.01	-0.05	-0.49	9.93e-04	6.97e-06	1.93e-05
13	66	-0.01	0.05	-0.50	-9.93e-04	-8.15e-06	-1.93e-05
13	67	-0.01	-0.05	-0.50	9.93e-04	-8.15e-06	1.93e-05
13	68	-8.71e-06	9.46e-03	-0.49	-4.31e-04	0.0	0.0
13	69	-8.71e-06	0.0	-0.49	0.0	0.0	0.0
13	70	-8.71e-06	0.0	-0.49	0.0	0.0	0.0
14	1	1.12e-05	0.07	-0.38	-3.24e-03	0.0	0.0
14	2	1.39e-05	0.07	-0.23	-3.23e-03	0.0	0.0
14	3	6.33e-06	0.05	-0.32	-2.16e-03	0.0	0.0
14	4	0.04	7.64e-03	-0.46	-2.77e-04	2.67e-05	0.0
14	5	0.04	-7.63e-03	-0.50	2.65e-04	2.72e-05	0.0
14	6	-0.04	7.64e-03	-0.48	-2.77e-04	-2.84e-05	0.0
14	7	-0.04	-7.64e-03	-0.53	2.65e-04	-2.79e-05	0.0
14	8	0.04	0.01	-0.46	-2.83e-04	2.72e-05	0.0
14	9	0.04	-0.01	-0.50	2.72e-04	2.67e-05	0.0
14	10	-0.04	0.01	-0.48	-2.84e-04	-2.78e-05	0.0
14	11	-0.04	-0.01	-0.53	2.71e-04	-2.84e-05	0.0
14	12	0.04	7.64e-03	-0.46	-2.77e-04	2.67e-05	0.0
14	13	0.04	-7.63e-03	-0.50	2.65e-04	2.72e-05	0.0
14	14	-0.04	7.64e-03	-0.48	-2.77e-04	-2.84e-05	0.0
14	15	-0.04	-7.64e-03	-0.53	2.65e-04	-2.79e-05	0.0
14	16	0.04	0.01	-0.46	-2.83e-04	2.72e-05	0.0
14	17	0.04	-0.01	-0.50	2.72e-04	2.67e-05	0.0
14	18	-0.04	0.01	-0.48	-2.84e-04	-2.78e-05	0.0
14	19	-0.04	-0.01	-0.53	2.71e-04	-2.84e-05	0.0
14	20	0.01	0.03	-0.42	-9.09e-04	6.89e-06	0.0
14	21	9.65e-03	-0.03	-0.56	8.97e-04	8.43e-06	0.0
14	22	-9.67e-03	0.03	-0.42	-9.09e-04	-9.62e-06	0.0
14	23	-0.01	-0.03	-0.57	8.97e-04	-8.08e-06	0.0
14	24	0.01	0.03	-0.42	-9.09e-04	6.89e-06	0.0
14	25	9.65e-03	-0.03	-0.56	8.97e-04	8.43e-06	0.0
14	26	-9.67e-03	0.03	-0.42	-9.09e-04	-9.62e-06	0.0
14	27	-0.01	-0.03	-0.57	8.97e-04	-8.08e-06	0.0
14	28	9.64e-03	0.04	-0.41	-9.31e-04	8.57e-06	0.0
14	29	0.01	-0.04	-0.56	9.19e-04	6.76e-06	0.0
14	30	-0.01	0.04	-0.42	-9.31e-04	-7.95e-06	0.0
14	31	-9.66e-03	-0.04	-0.57	9.19e-04	-9.76e-06	0.0
14	32	9.64e-03	0.04	-0.41	-9.31e-04	8.57e-06	0.0
14	33	0.01	-0.04	-0.56	9.19e-04	6.76e-06	0.0
14	34	-0.01	0.04	-0.42	-9.31e-04	-7.95e-06	0.0
14	35	-9.66e-03	-0.04	-0.57	9.19e-04	-9.76e-06	0.0
14	36	0.03	8.15e-03	-0.46	-2.96e-04	2.44e-05	0.0
14	37	0.03	-8.14e-03	-0.50	2.85e-04	2.48e-05	0.0
14	38	-0.03	8.14e-03	-0.48	-2.97e-04	-2.60e-05	0.0
14	39	-0.03	-8.14e-03	-0.53	2.84e-04	-2.55e-05	0.0
14	40	0.03	0.01	-0.45	-3.03e-04	2.49e-05	0.0
14	41	0.03	-0.01	-0.50	2.92e-04	2.43e-05	0.0
14	42	-0.03	0.01	-0.48	-3.04e-04	-2.55e-05	0.0
14	43	-0.03	-0.01	-0.53	2.91e-04	-2.61e-05	0.0
14	44	0.03	8.15e-03	-0.46	-2.96e-04	2.44e-05	0.0

14	45	0.03	-8.14e-03	-0.50	2.85e-04	2.48e-05	0.0
14	46	-0.03	8.14e-03	-0.48	-2.97e-04	-2.60e-05	0.0
14	47	-0.03	-8.14e-03	-0.53	2.84e-04	-2.55e-05	0.0
14	48	0.03	0.01	-0.45	-3.03e-04	2.49e-05	0.0
14	49	0.03	-0.01	-0.50	2.92e-04	2.43e-05	0.0
14	50	-0.03	0.01	-0.48	-3.04e-04	-2.55e-05	0.0
14	51	-0.03	-0.01	-0.53	2.91e-04	-2.61e-05	0.0
14	52	0.01	0.03	-0.41	-9.74e-04	6.15e-06	0.0
14	53	8.82e-03	-0.03	-0.57	9.62e-04	7.77e-06	0.0
14	54	-8.84e-03	0.03	-0.42	-9.74e-04	-8.96e-06	0.0
14	55	-0.01	-0.03	-0.57	9.62e-04	-7.34e-06	0.0
14	56	0.01	0.03	-0.41	-9.74e-04	6.15e-06	0.0
14	57	8.82e-03	-0.03	-0.57	9.62e-04	7.77e-06	0.0
14	58	-8.84e-03	0.03	-0.42	-9.74e-04	-8.96e-06	0.0
14	59	-0.01	-0.03	-0.57	9.62e-04	-7.34e-06	0.0
14	60	8.82e-03	0.05	-0.41	-9.97e-04	6.15e-06	0.0
14	61	0.01	-0.05	-0.57	9.85e-04	6.00e-06	0.0
14	62	-0.01	0.05	-0.42	-9.97e-04	-7.19e-06	0.0
14	63	-8.84e-03	-0.05	-0.57	9.85e-04	-9.11e-06	0.0
14	64	8.82e-03	0.05	-0.41	-9.97e-04	7.92e-06	0.0
14	65	0.01	-0.05	-0.57	9.85e-04	6.00e-06	0.0
14	66	-0.01	0.05	-0.42	-9.97e-04	-7.19e-06	0.0
14	67	-8.84e-03	-0.05	-0.57	9.85e-04	-9.11e-06	0.0
14	68	-5.71e-06	9.46e-03	-0.46	-4.36e-04	0.0	0.0
14	69	-8.72e-06	0.0	-0.49	-6.00e-06	0.0	0.0
14	70	-8.72e-06	0.0	-0.49	-6.00e-06	0.0	0.0
15	1	-9.39e-06	0.07	-0.64	-3.24e-03	0.0	0.0
15	2	-7.22e-06	0.07	-0.49	-3.24e-03	0.0	0.0
15	3	-7.22e-06	0.05	-0.49	-2.16e-03	0.0	0.0
15	4	0.04	8.02e-03	-0.48	-2.72e-04	2.69e-05	5.43e-06
15	5	0.04	-8.02e-03	-0.48	2.72e-04	2.69e-05	-5.43e-06
15	6	-0.04	8.02e-03	-0.50	-2.72e-04	-2.79e-05	5.43e-06
15	7	-0.04	-8.02e-03	-0.50	2.72e-04	-2.79e-05	-5.43e-06
15	8	0.04	0.01	-0.48	-2.78e-04	2.69e-05	-5.48e-06
15	9	0.04	-0.01	-0.48	2.78e-04	2.69e-05	5.48e-06
15	10	-0.04	0.01	-0.50	-2.78e-04	-2.79e-05	-5.48e-06
15	11	-0.04	-0.01	-0.50	2.78e-04	-2.79e-05	5.48e-06
15	12	0.04	8.02e-03	-0.48	-2.72e-04	2.69e-05	5.43e-06
15	13	0.04	-8.02e-03	-0.48	2.72e-04	2.69e-05	-5.43e-06
15	14	-0.04	8.02e-03	-0.50	-2.72e-04	-2.79e-05	5.43e-06
15	15	-0.04	-8.02e-03	-0.50	2.72e-04	-2.79e-05	-5.43e-06
15	16	0.04	0.01	-0.48	-2.78e-04	2.69e-05	-5.48e-06
15	17	0.04	-0.01	-0.48	2.78e-04	2.69e-05	5.48e-06
15	18	-0.04	0.01	-0.50	-2.78e-04	-2.79e-05	-5.48e-06
15	19	-0.04	-0.01	-0.50	2.78e-04	-2.79e-05	5.48e-06
15	20	0.01	0.03	-0.49	-9.06e-04	7.70e-06	1.81e-05
15	21	0.01	-0.03	-0.49	9.06e-04	7.70e-06	-1.81e-05
15	22	-0.01	0.03	-0.50	-9.06e-04	-8.72e-06	1.81e-05
15	23	-0.01	-0.03	-0.50	9.06e-04	-8.72e-06	-1.81e-05
15	24	0.01	0.03	-0.49	-9.06e-04	7.70e-06	1.81e-05
15	25	0.01	-0.03	-0.49	9.06e-04	7.70e-06	-1.81e-05
15	26	-0.01	0.03	-0.50	-9.06e-04	-8.72e-06	1.81e-05
15	27	-0.01	-0.03	-0.50	9.06e-04	-8.72e-06	-1.81e-05
15	28	0.01	0.04	-0.49	-9.26e-04	7.70e-06	-1.83e-05
15	29	0.01	-0.04	-0.49	9.26e-04	7.70e-06	1.83e-05
15	30	-0.01	0.04	-0.50	-9.26e-04	-8.72e-06	-1.83e-05
15	31	-0.01	-0.04	-0.50	9.26e-04	-8.72e-06	1.83e-05
15	32	0.01	0.04	-0.49	-9.26e-04	7.70e-06	-1.83e-05
15	33	0.01	-0.04	-0.49	9.26e-04	7.70e-06	1.83e-05
15	34	-0.01	0.04	-0.50	-9.26e-04	-8.72e-06	-1.83e-05
15	35	-0.01	-0.04	-0.50	9.26e-04	-8.72e-06	1.83e-05
15	36	0.03	8.56e-03	-0.48	-2.91e-04	2.45e-05	5.78e-06
15	37	0.03	-8.56e-03	-0.48	2.91e-04	2.45e-05	-5.78e-06
15	38	-0.03	8.56e-03	-0.50	-2.91e-04	-2.55e-05	5.78e-06
15	39	-0.03	-8.56e-03	-0.50	2.91e-04	-2.55e-05	-5.78e-06
15	40	0.03	0.01	-0.48	-2.98e-04	2.45e-05	-5.82e-06
15	41	0.03	-0.01	-0.48	2.98e-04	2.45e-05	5.82e-06
15	42	-0.03	0.01	-0.50	-2.98e-04	-2.55e-05	-5.82e-06
15	43	-0.03	-0.01	-0.50	2.98e-04	-2.55e-05	5.82e-06
15	44	0.03	8.56e-03	-0.48	-2.91e-04	2.45e-05	5.78e-06
15	45	0.03	-8.56e-03	-0.48	2.91e-04	2.45e-05	-5.78e-06
15	46	-0.03	8.56e-03	-0.50	-2.91e-04	-2.55e-05	5.78e-06
15	47	-0.03	-8.56e-03	-0.50	2.91e-04	-2.55e-05	-5.78e-06
15	48	0.03	0.01	-0.48	-2.98e-04	2.45e-05	-5.82e-06
15	49	0.03	-0.01	-0.48	2.98e-04	2.45e-05	5.82e-06

15	50	-0.03	0.01	-0.50	-2.98e-04	-2.55e-05	-5.82e-06
15	51	-0.03	-0.01	-0.50	2.98e-04	-2.55e-05	5.82e-06
15	52	0.01	0.03	-0.49	-9.71e-04	7.00e-06	1.93e-05
15	53	0.01	-0.03	-0.49	9.71e-04	7.00e-06	-1.93e-05
15	54	-0.01	0.03	-0.50	-9.71e-04	-8.02e-06	1.93e-05
15	55	-0.01	-0.03	-0.50	9.71e-04	-8.02e-06	-1.93e-05
15	56	0.01	0.03	-0.49	-9.71e-04	7.00e-06	1.93e-05
15	57	0.01	-0.03	-0.49	9.71e-04	7.00e-06	-1.93e-05
15	58	-0.01	0.03	-0.50	-9.71e-04	-8.02e-06	1.93e-05
15	59	-0.01	-0.03	-0.50	9.71e-04	-8.02e-06	-1.93e-05
15	60	0.01	0.05	-0.49	-9.92e-04	7.00e-06	-1.94e-05
15	61	0.01	-0.05	-0.49	9.92e-04	7.00e-06	1.94e-05
15	62	-0.01	0.05	-0.50	-9.92e-04	-8.02e-06	-1.94e-05
15	63	-0.01	-0.05	-0.50	9.92e-04	-8.02e-06	1.94e-05
15	64	0.01	0.05	-0.49	-9.92e-04	7.00e-06	-1.94e-05
15	65	0.01	-0.05	-0.49	9.92e-04	7.00e-06	1.94e-05
15	66	-0.01	0.05	-0.50	-9.92e-04	-8.02e-06	-1.94e-05
15	67	-0.01	-0.05	-0.50	9.92e-04	-8.02e-06	1.94e-05
15	68	-7.22e-06	9.46e-03	-0.49	-4.31e-04	0.0	0.0
15	69	-7.22e-06	0.0	-0.49	0.0	0.0	0.0
15	70	-7.22e-06	0.0	-0.49	0.0	0.0	0.0
16	1	1.07e-05	0.07	-0.38	-3.24e-03	0.0	0.0
16	2	1.29e-05	0.07	-0.23	-3.23e-03	0.0	0.0
16	3	6.14e-06	0.05	-0.32	-2.16e-03	0.0	0.0
16	4	0.04	8.02e-03	-0.46	-2.77e-04	2.66e-05	0.0
16	5	0.04	-8.02e-03	-0.50	2.66e-04	2.71e-05	0.0
16	6	-0.04	8.02e-03	-0.48	-2.78e-04	-2.82e-05	0.0
16	7	-0.04	-8.02e-03	-0.53	2.65e-04	-2.76e-05	0.0
16	8	0.04	0.01	-0.46	-2.83e-04	2.72e-05	0.0
16	9	0.04	-0.01	-0.50	2.71e-04	2.65e-05	0.0
16	10	-0.04	0.01	-0.48	-2.83e-04	-2.75e-05	0.0
16	11	-0.04	-0.01	-0.53	2.71e-04	-2.82e-05	0.0
16	12	0.04	8.02e-03	-0.46	-2.77e-04	2.66e-05	0.0
16	13	0.04	-8.02e-03	-0.50	2.66e-04	2.71e-05	0.0
16	14	-0.04	8.02e-03	-0.48	-2.78e-04	-2.82e-05	0.0
16	15	-0.04	-8.02e-03	-0.53	2.65e-04	-2.76e-05	0.0
16	16	0.04	0.01	-0.46	-2.83e-04	2.72e-05	0.0
16	17	0.04	-0.01	-0.50	2.71e-04	2.65e-05	0.0
16	18	-0.04	0.01	-0.48	-2.83e-04	-2.75e-05	0.0
16	19	-0.04	-0.01	-0.53	2.71e-04	-2.82e-05	0.0
16	20	0.01	0.03	-0.42	-9.10e-04	6.73e-06	0.0
16	21	9.65e-03	-0.03	-0.56	8.98e-04	8.66e-06	0.0
16	22	-9.67e-03	0.03	-0.42	-9.10e-04	-9.68e-06	0.0
16	23	-0.01	-0.03	-0.57	8.98e-04	-7.75e-06	0.0
16	24	0.01	0.03	-0.42	-9.10e-04	6.73e-06	0.0
16	25	9.65e-03	-0.03	-0.56	8.98e-04	8.66e-06	0.0
16	26	-9.67e-03	0.03	-0.42	-9.10e-04	-9.68e-06	0.0
16	27	-0.01	-0.03	-0.57	8.98e-04	-7.75e-06	0.0
16	28	9.65e-03	0.04	-0.41	-9.29e-04	8.79e-06	0.0
16	29	0.01	-0.04	-0.56	9.18e-04	6.60e-06	0.0
16	30	-0.01	0.04	-0.42	-9.30e-04	-7.62e-06	0.0
16	31	-9.66e-03	-0.04	-0.57	9.17e-04	-9.81e-06	0.0
16	32	9.65e-03	0.04	-0.41	-9.29e-04	8.79e-06	0.0
16	33	0.01	-0.04	-0.56	9.18e-04	6.60e-06	0.0
16	34	-0.01	0.04	-0.42	-9.30e-04	-7.62e-06	0.0
16	35	-9.66e-03	-0.04	-0.57	9.17e-04	-9.81e-06	0.0
16	36	0.03	8.56e-03	-0.46	-2.96e-04	2.42e-05	0.0
16	37	0.03	-8.56e-03	-0.50	2.85e-04	2.48e-05	0.0
16	38	-0.03	8.56e-03	-0.48	-2.97e-04	-2.58e-05	0.0
16	39	-0.03	-8.56e-03	-0.53	2.84e-04	-2.52e-05	0.0
16	40	0.03	0.01	-0.46	-3.03e-04	2.49e-05	0.0
16	41	0.03	-0.01	-0.50	2.91e-04	2.42e-05	0.0
16	42	-0.03	0.01	-0.48	-3.03e-04	-2.52e-05	0.0
16	43	-0.03	-0.01	-0.53	2.91e-04	-2.59e-05	0.0
16	44	0.03	8.56e-03	-0.46	-2.96e-04	2.42e-05	0.0
16	45	0.03	-8.56e-03	-0.50	2.85e-04	2.48e-05	0.0
16	46	-0.03	8.56e-03	-0.48	-2.97e-04	-2.58e-05	0.0
16	47	-0.03	-8.56e-03	-0.53	2.84e-04	-2.52e-05	0.0
16	48	0.03	0.01	-0.46	-3.03e-04	2.49e-05	0.0
16	49	0.03	-0.01	-0.50	2.91e-04	2.42e-05	0.0
16	50	-0.03	0.01	-0.48	-3.03e-04	-2.52e-05	0.0
16	51	-0.03	-0.01	-0.53	2.91e-04	-2.59e-05	0.0
16	52	0.01	0.03	-0.41	-9.75e-04	5.98e-06	0.0
16	53	8.83e-03	-0.03	-0.57	9.63e-04	8.01e-06	0.0
16	54	-8.84e-03	0.03	-0.42	-9.75e-04	-9.03e-06	0.0

16	55	-0.01	-0.03	-0.57	9.63e-04	-7.00e-06	0.0
16	56	0.01	0.03	-0.41	-9.75e-04	5.98e-06	0.0
16	57	8.83e-03	-0.03	-0.57	9.63e-04	8.01e-06	0.0
16	58	-8.84e-03	0.03	-0.42	-9.75e-04	-9.03e-06	0.0
16	59	-0.01	-0.03	-0.57	9.63e-04	-7.00e-06	0.0
16	60	8.82e-03	0.05	-0.41	-9.96e-04	8.16e-06	0.0
16	61	0.01	-0.05	-0.57	9.84e-04	5.83e-06	0.0
16	62	-0.01	0.05	-0.42	-9.96e-04	-6.85e-06	0.0
16	63	-8.84e-03	-0.05	-0.57	9.84e-04	-9.18e-06	0.0
16	64	8.82e-03	0.05	-0.41	-9.96e-04	8.16e-06	0.0
16	65	0.01	-0.05	-0.57	9.84e-04	5.83e-06	0.0
16	66	-0.01	0.05	-0.42	-9.96e-04	-6.85e-06	0.0
16	67	-8.84e-03	-0.05	-0.57	9.84e-04	-9.18e-06	0.0
16	68	-4.62e-06	9.46e-03	-0.46	-4.36e-04	0.0	0.0
16	69	-7.31e-06	0.0	-0.49	-6.01e-06	0.0	0.0
16	70	-7.31e-06	0.0	-0.49	-6.01e-06	0.0	0.0
17	1	-7.43e-06	0.07	-0.64	-3.24e-03	0.0	0.0
17	2	-5.72e-06	0.07	-0.49	-3.24e-03	0.0	0.0
17	3	-5.72e-06	0.05	-0.49	-2.16e-03	0.0	0.0
17	4	0.04	8.41e-03	-0.48	-2.72e-04	2.68e-05	5.45e-06
17	5	0.04	-8.41e-03	-0.48	2.72e-04	2.68e-05	-5.45e-06
17	6	-0.04	8.41e-03	-0.50	-2.72e-04	-2.76e-05	5.45e-06
17	7	-0.04	-8.41e-03	-0.50	2.72e-04	-2.76e-05	-5.45e-06
17	8	0.04	0.01	-0.48	-2.77e-04	2.68e-05	-5.49e-06
17	9	0.04	-0.01	-0.48	2.77e-04	2.68e-05	5.49e-06
17	10	-0.04	0.01	-0.50	-2.77e-04	-2.76e-05	-5.49e-06
17	11	-0.04	-0.01	-0.50	2.77e-04	-2.76e-05	5.49e-06
17	12	0.04	8.41e-03	-0.48	-2.72e-04	2.68e-05	5.45e-06
17	13	0.04	-8.41e-03	-0.48	2.72e-04	2.68e-05	-5.45e-06
17	14	-0.04	8.41e-03	-0.50	-2.72e-04	-2.76e-05	5.45e-06
17	15	-0.04	-8.41e-03	-0.50	2.72e-04	-2.76e-05	-5.45e-06
17	16	0.04	0.01	-0.48	-2.77e-04	2.68e-05	-5.49e-06
17	17	0.04	-0.01	-0.48	2.77e-04	2.68e-05	5.49e-06
17	18	-0.04	0.01	-0.50	-2.77e-04	-2.76e-05	-5.49e-06
17	19	-0.04	-0.01	-0.50	2.77e-04	-2.76e-05	5.49e-06
17	20	0.01	0.03	-0.49	-9.07e-04	7.72e-06	1.82e-05
17	21	0.01	-0.03	-0.49	9.07e-04	7.72e-06	-1.82e-05
17	22	-0.01	0.03	-0.49	-9.07e-04	-8.59e-06	1.82e-05
17	23	-0.01	-0.03	-0.49	9.07e-04	-8.59e-06	-1.82e-05
17	24	0.01	0.03	-0.49	-9.07e-04	7.72e-06	1.82e-05
17	25	0.01	-0.03	-0.49	9.07e-04	7.72e-06	-1.82e-05
17	26	-0.01	0.03	-0.49	-9.07e-04	-8.59e-06	1.82e-05
17	27	-0.01	-0.03	-0.49	9.07e-04	-8.59e-06	-1.82e-05
17	28	0.01	0.04	-0.49	-9.24e-04	7.72e-06	-1.83e-05
17	29	0.01	-0.04	-0.49	9.24e-04	7.72e-06	1.83e-05
17	30	-0.01	0.04	-0.49	-9.24e-04	-8.59e-06	-1.83e-05
17	31	-0.01	-0.04	-0.49	9.24e-04	-8.59e-06	1.83e-05
17	32	0.01	0.04	-0.49	-9.24e-04	7.72e-06	-1.83e-05
17	33	0.01	-0.04	-0.49	9.24e-04	7.72e-06	1.83e-05
17	34	-0.01	0.04	-0.49	-9.24e-04	-8.59e-06	-1.83e-05
17	35	-0.01	-0.04	-0.49	9.24e-04	-8.59e-06	1.83e-05
17	36	0.03	8.97e-03	-0.48	-2.92e-04	2.44e-05	5.80e-06
17	37	0.03	-8.97e-03	-0.48	2.92e-04	2.44e-05	-5.80e-06
17	38	-0.03	8.97e-03	-0.50	-2.92e-04	-2.53e-05	5.80e-06
17	39	-0.03	-8.97e-03	-0.50	2.92e-04	-2.53e-05	-5.80e-06
17	40	0.03	0.01	-0.48	-2.97e-04	2.44e-05	-5.82e-06
17	41	0.03	-0.01	-0.48	2.97e-04	2.44e-05	5.82e-06
17	42	-0.03	0.01	-0.50	-2.97e-04	-2.53e-05	-5.82e-06
17	43	-0.03	-0.01	-0.50	2.97e-04	-2.53e-05	5.82e-06
17	44	0.03	8.97e-03	-0.48	-2.92e-04	2.44e-05	5.80e-06
17	45	0.03	-8.97e-03	-0.48	2.92e-04	2.44e-05	-5.80e-06
17	46	-0.03	8.97e-03	-0.50	-2.92e-04	-2.53e-05	5.80e-06
17	47	-0.03	-8.97e-03	-0.50	2.92e-04	-2.53e-05	-5.80e-06
17	48	0.03	0.01	-0.48	-2.97e-04	2.44e-05	-5.82e-06
17	49	0.03	-0.01	-0.48	2.97e-04	2.44e-05	5.82e-06
17	50	-0.03	0.01	-0.50	-2.97e-04	-2.53e-05	-5.82e-06
17	51	-0.03	-0.01	-0.50	2.97e-04	-2.53e-05	5.82e-06
17	52	0.01	0.03	-0.49	-9.72e-04	7.03e-06	1.93e-05
17	53	0.01	-0.03	-0.49	9.72e-04	7.03e-06	-1.93e-05
17	54	-0.01	0.03	-0.49	-9.72e-04	-7.90e-06	1.93e-05
17	55	-0.01	-0.03	-0.49	9.72e-04	-7.90e-06	-1.93e-05
17	56	0.01	0.03	-0.49	-9.72e-04	7.03e-06	1.93e-05
17	57	0.01	-0.03	-0.49	9.72e-04	7.03e-06	-1.93e-05
17	58	-0.01	0.03	-0.49	-9.72e-04	-7.90e-06	1.93e-05
17	59	-0.01	-0.03	-0.49	9.72e-04	-7.90e-06	-1.93e-05

17	60	0.01	0.04	-0.49	-9.91e-04	7.03e-06	-1.94e-05
17	61	0.01	-0.04	-0.49	9.91e-04	7.03e-06	1.94e-05
17	62	-0.01	0.04	-0.49	-9.91e-04	-7.90e-06	-1.94e-05
17	63	-0.01	-0.04	-0.49	9.91e-04	-7.90e-06	1.94e-05
17	64	0.01	0.04	-0.49	-9.91e-04	7.03e-06	-1.94e-05
17	65	0.01	-0.04	-0.49	9.91e-04	7.03e-06	1.94e-05
17	66	-0.01	0.04	-0.49	-9.91e-04	-7.90e-06	-1.94e-05
17	67	-0.01	-0.04	-0.49	9.91e-04	-7.90e-06	1.94e-05
17	68	-5.72e-06	9.47e-03	-0.49	-4.31e-04	0.0	0.0
17	69	-5.72e-06	0.0	-0.49	0.0	0.0	0.0
17	70	-5.72e-06	0.0	-0.49	0.0	0.0	0.0
18	1	1.03e-05	0.07	-0.38	-3.24e-03	0.0	0.0
18	2	1.21e-05	0.07	-0.23	-3.23e-03	0.0	0.0
18	3	6.06e-06	0.05	-0.32	-2.16e-03	0.0	0.0
18	4	0.04	8.41e-03	-0.46	-2.77e-04	2.64e-05	0.0
18	5	0.04	-8.41e-03	-0.50	2.66e-04	2.71e-05	0.0
18	6	-0.04	8.41e-03	-0.48	-2.78e-04	-2.80e-05	0.0
18	7	-0.04	-8.41e-03	-0.52	2.65e-04	-2.73e-05	0.0
18	8	0.04	0.01	-0.46	-2.82e-04	2.71e-05	0.0
18	9	0.04	-0.01	-0.50	2.71e-04	2.64e-05	0.0
18	10	-0.04	0.01	-0.48	-2.83e-04	-2.72e-05	0.0
18	11	-0.04	-0.01	-0.52	2.70e-04	-2.80e-05	0.0
18	12	0.04	8.41e-03	-0.46	-2.77e-04	2.64e-05	0.0
18	13	0.04	-8.41e-03	-0.50	2.66e-04	2.71e-05	0.0
18	14	-0.04	8.41e-03	-0.48	-2.78e-04	-2.80e-05	0.0
18	15	-0.04	-8.41e-03	-0.52	2.65e-04	-2.73e-05	0.0
18	16	0.04	0.01	-0.46	-2.82e-04	2.71e-05	0.0
18	17	0.04	-0.01	-0.50	2.71e-04	2.64e-05	0.0
18	18	-0.04	0.01	-0.48	-2.83e-04	-2.72e-05	0.0
18	19	-0.04	-0.01	-0.52	2.70e-04	-2.80e-05	0.0
18	20	0.01	0.03	-0.42	-9.11e-04	6.59e-06	0.0
18	21	9.66e-03	-0.03	-0.56	8.99e-04	8.86e-06	0.0
18	22	-9.67e-03	0.03	-0.42	-9.12e-04	-9.72e-06	0.0
18	23	-0.01	-0.03	-0.57	8.99e-04	-7.45e-06	0.0
18	24	0.01	0.03	-0.42	-9.11e-04	6.59e-06	0.0
18	25	9.66e-03	-0.03	-0.56	8.99e-04	8.86e-06	0.0
18	26	-9.67e-03	0.03	-0.42	-9.12e-04	-9.72e-06	0.0
18	27	-0.01	-0.03	-0.57	8.99e-04	-7.45e-06	0.0
18	28	9.65e-03	0.04	-0.41	-9.28e-04	8.97e-06	0.0
18	29	0.01	-0.04	-0.56	9.16e-04	6.48e-06	0.0
18	30	-0.01	0.04	-0.42	-9.28e-04	-7.34e-06	0.0
18	31	-9.66e-03	-0.04	-0.57	9.16e-04	-9.83e-06	0.0
18	32	9.65e-03	0.04	-0.41	-9.28e-04	8.97e-06	0.0
18	33	0.01	-0.04	-0.56	9.16e-04	6.48e-06	0.0
18	34	-0.01	0.04	-0.42	-9.28e-04	-7.34e-06	0.0
18	35	-9.66e-03	-0.04	-0.57	9.16e-04	-9.83e-06	0.0
18	36	0.03	8.98e-03	-0.46	-2.97e-04	2.41e-05	0.0
18	37	0.03	-8.97e-03	-0.51	2.85e-04	2.48e-05	0.0
18	38	-0.03	8.97e-03	-0.48	-2.97e-04	-2.57e-05	0.0
18	39	-0.03	-8.98e-03	-0.52	2.85e-04	-2.49e-05	0.0
18	40	0.03	0.01	-0.46	-3.02e-04	2.48e-05	0.0
18	41	0.03	-0.01	-0.51	2.91e-04	2.40e-05	0.0
18	42	-0.03	0.01	-0.48	-3.03e-04	-2.49e-05	0.0
18	43	-0.03	-0.01	-0.52	2.90e-04	-2.57e-05	0.0
18	44	0.03	8.98e-03	-0.46	-2.97e-04	2.41e-05	0.0
18	45	0.03	-8.97e-03	-0.51	2.85e-04	2.48e-05	0.0
18	46	-0.03	8.97e-03	-0.48	-2.97e-04	-2.57e-05	0.0
18	47	-0.03	-8.98e-03	-0.52	2.85e-04	-2.49e-05	0.0
18	48	0.03	0.01	-0.46	-3.02e-04	2.48e-05	0.0
18	49	0.03	-0.01	-0.51	2.91e-04	2.40e-05	0.0
18	50	-0.03	0.01	-0.48	-3.03e-04	-2.49e-05	0.0
18	51	-0.03	-0.01	-0.52	2.90e-04	-2.57e-05	0.0
18	52	0.01	0.03	-0.41	-9.76e-04	5.82e-06	0.0
18	53	8.83e-03	-0.03	-0.57	9.64e-04	8.23e-06	0.0
18	54	-8.84e-03	0.03	-0.42	-9.76e-04	-9.10e-06	0.0
18	55	-0.01	-0.03	-0.57	9.64e-04	-6.68e-06	0.0
18	56	0.01	0.03	-0.41	-9.76e-04	5.82e-06	0.0
18	57	8.83e-03	-0.03	-0.57	9.64e-04	8.23e-06	0.0
18	58	-8.84e-03	0.03	-0.42	-9.76e-04	-9.10e-06	0.0
18	59	-0.01	-0.03	-0.57	9.64e-04	-6.68e-06	0.0
18	60	8.83e-03	0.04	-0.41	-9.94e-04	8.35e-06	0.0
18	61	0.01	-0.04	-0.57	9.82e-04	5.70e-06	0.0
18	62	-0.01	0.04	-0.42	-9.94e-04	-6.56e-06	0.0
18	63	-8.84e-03	-0.04	-0.57	9.82e-04	-9.22e-06	0.0
18	64	8.83e-03	0.04	-0.41	-9.94e-04	8.35e-06	0.0

18	65	0.01	-0.04	-0.57	9.82e-04	5.70e-06	0.0
18	66	-0.01	0.04	-0.42	-9.94e-04	-6.56e-06	0.0
18	67	-8.84e-03	-0.04	-0.57	9.82e-04	-9.22e-06	0.0
18	68	-3.58e-06	9.47e-03	-0.46	-4.36e-04	0.0	0.0
18	69	-5.99e-06	0.0	-0.49	-6.01e-06	0.0	0.0
18	70	-5.99e-06	0.0	-0.49	-6.01e-06	0.0	0.0
19	1	-6.06e-06	0.07	-0.64	-3.24e-03	0.0	0.0
19	2	-4.66e-06	0.07	-0.49	-3.24e-03	0.0	0.0
19	3	-4.66e-06	0.05	-0.49	-2.16e-03	0.0	0.0
19	4	0.04	8.79e-03	-0.48	-2.73e-04	2.67e-05	5.45e-06
19	5	0.04	-8.79e-03	-0.48	2.73e-04	2.67e-05	-5.45e-06
19	6	-0.04	8.79e-03	-0.50	-2.73e-04	-2.74e-05	5.45e-06
19	7	-0.04	-8.79e-03	-0.50	2.73e-04	-2.74e-05	-5.45e-06
19	8	0.04	0.01	-0.48	-2.77e-04	2.67e-05	-5.50e-06
19	9	0.04	-0.01	-0.48	2.77e-04	2.67e-05	5.50e-06
19	10	-0.04	0.01	-0.50	-2.77e-04	-2.74e-05	-5.50e-06
19	11	-0.04	-0.01	-0.50	2.77e-04	-2.74e-05	5.50e-06
19	12	0.04	8.79e-03	-0.48	-2.73e-04	2.67e-05	5.45e-06
19	13	0.04	-8.79e-03	-0.48	2.73e-04	2.67e-05	-5.45e-06
19	14	-0.04	8.79e-03	-0.50	-2.73e-04	-2.74e-05	5.45e-06
19	15	-0.04	-8.79e-03	-0.50	2.73e-04	-2.74e-05	-5.45e-06
19	16	0.04	0.01	-0.48	-2.77e-04	2.67e-05	-5.50e-06
19	17	0.04	-0.01	-0.48	2.77e-04	2.67e-05	5.50e-06
19	18	-0.04	0.01	-0.50	-2.77e-04	-2.74e-05	-5.50e-06
19	19	-0.04	-0.01	-0.50	2.77e-04	-2.74e-05	5.50e-06
19	20	0.01	0.03	-0.49	-9.09e-04	7.77e-06	1.82e-05
19	21	0.01	-0.03	-0.49	9.09e-04	7.77e-06	-1.82e-05
19	22	-0.01	0.03	-0.49	-9.09e-04	-8.45e-06	1.82e-05
19	23	-0.01	-0.03	-0.49	9.09e-04	-8.45e-06	-1.82e-05
19	24	0.01	0.03	-0.49	-9.09e-04	7.77e-06	1.82e-05
19	25	0.01	-0.03	-0.49	9.09e-04	7.77e-06	-1.82e-05
19	26	-0.01	0.03	-0.49	-9.09e-04	-8.45e-06	1.82e-05
19	27	-0.01	-0.03	-0.49	9.09e-04	-8.45e-06	-1.82e-05
19	28	0.01	0.04	-0.49	-9.23e-04	7.77e-06	-1.83e-05
19	29	0.01	-0.04	-0.49	9.23e-04	7.77e-06	1.83e-05
19	30	-0.01	0.04	-0.49	-9.23e-04	-8.45e-06	-1.83e-05
19	31	-0.01	-0.04	-0.49	9.23e-04	-8.45e-06	1.83e-05
19	32	0.01	0.04	-0.49	-9.23e-04	7.77e-06	-1.83e-05
19	33	0.01	-0.04	-0.49	9.23e-04	7.77e-06	1.83e-05
19	34	-0.01	0.04	-0.49	-9.23e-04	-8.45e-06	-1.83e-05
19	35	-0.01	-0.04	-0.49	9.23e-04	-8.45e-06	1.83e-05
19	36	0.03	9.39e-03	-0.48	-2.92e-04	2.44e-05	5.80e-06
19	37	0.03	-9.39e-03	-0.48	2.92e-04	2.44e-05	-5.80e-06
19	38	-0.03	9.39e-03	-0.50	-2.92e-04	-2.51e-05	5.80e-06
19	39	-0.03	-9.39e-03	-0.50	2.92e-04	-2.51e-05	-5.80e-06
19	40	0.03	0.01	-0.48	-2.97e-04	2.44e-05	-5.84e-06
19	41	0.03	-0.01	-0.48	2.97e-04	2.44e-05	5.84e-06
19	42	-0.03	0.01	-0.50	-2.97e-04	-2.51e-05	-5.84e-06
19	43	-0.03	-0.01	-0.50	2.97e-04	-2.51e-05	5.84e-06
19	44	0.03	9.39e-03	-0.48	-2.92e-04	2.44e-05	5.80e-06
19	45	0.03	-9.39e-03	-0.48	2.92e-04	2.44e-05	-5.80e-06
19	46	-0.03	9.39e-03	-0.50	-2.92e-04	-2.51e-05	5.80e-06
19	47	-0.03	-9.39e-03	-0.50	2.92e-04	-2.51e-05	-5.80e-06
19	48	0.03	0.01	-0.48	-2.97e-04	2.44e-05	-5.84e-06
19	49	0.03	-0.01	-0.48	2.97e-04	2.44e-05	5.84e-06
19	50	-0.03	0.01	-0.50	-2.97e-04	-2.51e-05	-5.84e-06
19	51	-0.03	-0.01	-0.50	2.97e-04	-2.51e-05	5.84e-06
19	52	0.01	0.03	-0.49	-9.74e-04	7.08e-06	1.93e-05
19	53	0.01	-0.03	-0.49	9.74e-04	7.08e-06	-1.93e-05
19	54	-0.01	0.03	-0.49	-9.74e-04	-7.76e-06	1.93e-05
19	55	-0.01	-0.03	-0.49	9.74e-04	-7.76e-06	-1.93e-05
19	56	0.01	0.03	-0.49	-9.74e-04	7.08e-06	1.93e-05
19	57	0.01	-0.03	-0.49	9.74e-04	7.08e-06	-1.93e-05
19	58	-0.01	0.03	-0.49	-9.74e-04	-7.76e-06	1.93e-05
19	59	-0.01	-0.03	-0.49	9.74e-04	-7.76e-06	-1.93e-05
19	60	0.01	0.04	-0.49	-9.89e-04	7.08e-06	-1.95e-05
19	61	0.01	-0.04	-0.49	9.89e-04	7.08e-06	1.95e-05
19	62	-0.01	0.04	-0.49	-9.89e-04	-7.76e-06	-1.95e-05
19	63	-0.01	-0.04	-0.49	9.89e-04	-7.76e-06	1.95e-05
19	64	0.01	0.04	-0.49	-9.89e-04	7.08e-06	-1.95e-05
19	65	0.01	-0.04	-0.49	9.89e-04	7.08e-06	1.95e-05
19	66	-0.01	0.04	-0.49	-9.89e-04	-7.76e-06	-1.95e-05
19	67	-0.01	-0.04	-0.49	9.89e-04	-7.76e-06	1.95e-05
19	68	-4.66e-06	9.47e-03	-0.49	-4.31e-04	0.0	0.0
19	69	-4.66e-06	0.0	-0.49	0.0	0.0	0.0

19	70	-4.66e-06	0.0	-0.49	0.0	0.0	0.0
20	1	8.63e-06	0.07	-0.38	-3.24e-03	0.0	0.0
20	2	1.01e-05	0.07	-0.23	-3.23e-03	0.0	0.0
20	3	5.12e-06	0.05	-0.32	-2.16e-03	0.0	0.0
20	4	0.04	8.80e-03	-0.46	-2.78e-04	2.63e-05	0.0
20	5	0.04	-8.79e-03	-0.51	2.66e-04	2.71e-05	0.0
20	6	-0.04	8.79e-03	-0.48	-2.78e-04	-2.77e-05	0.0
20	7	-0.04	-8.79e-03	-0.52	2.66e-04	-2.70e-05	0.0
20	8	0.04	0.01	-0.46	-2.82e-04	2.71e-05	0.0
20	9	0.04	-0.01	-0.51	2.70e-04	2.63e-05	0.0
20	10	-0.04	0.01	-0.48	-2.82e-04	-2.70e-05	0.0
20	11	-0.04	-0.01	-0.52	2.70e-04	-2.78e-05	0.0
20	12	0.04	8.80e-03	-0.46	-2.78e-04	2.63e-05	0.0
20	13	0.04	-8.79e-03	-0.51	2.66e-04	2.71e-05	0.0
20	14	-0.04	8.79e-03	-0.48	-2.78e-04	-2.77e-05	0.0
20	15	-0.04	-8.79e-03	-0.52	2.66e-04	-2.70e-05	0.0
20	16	0.04	0.01	-0.46	-2.82e-04	2.71e-05	0.0
20	17	0.04	-0.01	-0.51	2.70e-04	2.63e-05	0.0
20	18	-0.04	0.01	-0.48	-2.82e-04	-2.70e-05	0.0
20	19	-0.04	-0.01	-0.52	2.70e-04	-2.78e-05	0.0
20	20	0.01	0.03	-0.42	-9.13e-04	6.49e-06	0.0
20	21	9.66e-03	-0.03	-0.56	9.01e-04	9.05e-06	0.0
20	22	-9.67e-03	0.03	-0.42	-9.13e-04	-9.73e-06	0.0
20	23	-0.01	-0.03	-0.57	9.01e-04	-7.17e-06	0.0
20	24	0.01	0.03	-0.42	-9.13e-04	6.49e-06	0.0
20	25	9.66e-03	-0.03	-0.56	9.01e-04	9.05e-06	0.0
20	26	-9.67e-03	0.03	-0.42	-9.13e-04	-9.73e-06	0.0
20	27	-0.01	-0.03	-0.57	9.01e-04	-7.17e-06	0.0
20	28	9.66e-03	0.04	-0.42	-9.27e-04	9.14e-06	0.0
20	29	0.01	-0.04	-0.56	9.15e-04	6.39e-06	0.0
20	30	-0.01	0.04	-0.42	-9.27e-04	-7.07e-06	0.0
20	31	-9.67e-03	-0.04	-0.57	9.15e-04	-9.82e-06	0.0
20	32	9.66e-03	0.04	-0.42	-9.27e-04	9.14e-06	0.0
20	33	0.01	-0.04	-0.56	9.15e-04	6.39e-06	0.0
20	34	-0.01	0.04	-0.42	-9.27e-04	-7.07e-06	0.0
20	35	-9.67e-03	-0.04	-0.57	9.15e-04	-9.82e-06	0.0
20	36	0.03	9.39e-03	-0.46	-2.97e-04	2.40e-05	0.0
20	37	0.03	-9.39e-03	-0.51	2.86e-04	2.48e-05	0.0
20	38	-0.03	9.39e-03	-0.48	-2.98e-04	-2.55e-05	0.0
20	39	-0.03	-9.39e-03	-0.52	2.85e-04	-2.46e-05	0.0
20	40	0.03	0.01	-0.46	-3.02e-04	2.48e-05	0.0
20	41	0.03	-0.01	-0.51	2.90e-04	2.39e-05	0.0
20	42	-0.03	0.01	-0.48	-3.02e-04	-2.46e-05	0.0
20	43	-0.03	-0.01	-0.52	2.90e-04	-2.55e-05	0.0
20	44	0.03	9.39e-03	-0.46	-2.97e-04	2.40e-05	0.0
20	45	0.03	-9.39e-03	-0.51	2.86e-04	2.48e-05	0.0
20	46	-0.03	9.39e-03	-0.48	-2.98e-04	-2.55e-05	0.0
20	47	-0.03	-9.39e-03	-0.52	2.85e-04	-2.46e-05	0.0
20	48	0.03	0.01	-0.46	-3.02e-04	2.48e-05	0.0
20	49	0.03	-0.01	-0.51	2.90e-04	2.39e-05	0.0
20	50	-0.03	0.01	-0.48	-3.02e-04	-2.46e-05	0.0
20	51	-0.03	-0.01	-0.52	2.90e-04	-2.55e-05	0.0
20	52	0.01	0.03	-0.41	-9.78e-04	5.71e-06	0.0
20	53	8.84e-03	-0.03	-0.57	9.66e-04	8.44e-06	0.0
20	54	-8.85e-03	0.03	-0.42	-9.78e-04	-9.12e-06	0.0
20	55	-0.01	-0.03	-0.57	9.66e-04	-6.39e-06	0.0
20	56	0.01	0.03	-0.41	-9.78e-04	5.71e-06	0.0
20	57	8.84e-03	-0.03	-0.57	9.66e-04	8.44e-06	0.0
20	58	-8.85e-03	0.03	-0.42	-9.78e-04	-9.12e-06	0.0
20	59	-0.01	-0.03	-0.57	9.66e-04	-6.39e-06	0.0
20	60	8.83e-03	0.04	-0.41	-9.93e-04	8.54e-06	0.0
20	61	0.01	-0.04	-0.57	9.81e-04	5.60e-06	0.0
20	62	-0.01	0.04	-0.41	-9.93e-04	-6.28e-06	0.0
20	63	-8.84e-03	-0.04	-0.57	9.81e-04	-9.22e-06	0.0
20	64	8.83e-03	0.04	-0.41	-9.93e-04	8.54e-06	0.0
20	65	0.01	-0.04	-0.57	9.81e-04	5.60e-06	0.0
20	66	-0.01	0.04	-0.41	-9.93e-04	-6.28e-06	0.0
20	67	-8.84e-03	-0.04	-0.57	9.81e-04	-9.22e-06	0.0
20	68	-2.76e-06	9.47e-03	-0.46	-4.36e-04	0.0	0.0
20	69	-4.74e-06	0.0	-0.49	-6.00e-06	0.0	0.0
20	70	-4.74e-06	0.0	-0.49	-6.00e-06	0.0	0.0
21	1	-4.78e-06	0.07	-0.64	-3.24e-03	0.0	0.0
21	2	-3.68e-06	0.07	-0.49	-3.24e-03	0.0	0.0
21	3	-3.68e-06	0.05	-0.49	-2.16e-03	0.0	0.0
21	4	0.04	9.18e-03	-0.49	-2.73e-04	2.67e-05	5.46e-06



21	5	0.04	-9.18e-03	-0.49	2.73e-04	2.67e-05	-5.46e-06
21	6	-0.04	9.18e-03	-0.50	-2.73e-04	-2.72e-05	5.46e-06
21	7	-0.04	-9.18e-03	-0.50	2.73e-04	-2.72e-05	-5.46e-06
21	8	0.04	0.01	-0.49	-2.76e-04	2.67e-05	-5.51e-06
21	9	0.04	-0.01	-0.49	2.76e-04	2.67e-05	5.51e-06
21	10	-0.04	0.01	-0.50	-2.76e-04	-2.72e-05	-5.51e-06
21	11	-0.04	-0.01	-0.50	2.76e-04	-2.72e-05	5.51e-06
21	12	0.04	9.18e-03	-0.49	-2.73e-04	2.67e-05	5.46e-06
21	13	0.04	-9.18e-03	-0.49	2.73e-04	2.67e-05	-5.46e-06
21	14	-0.04	9.18e-03	-0.50	-2.73e-04	-2.72e-05	5.46e-06
21	15	-0.04	-9.18e-03	-0.50	2.73e-04	-2.72e-05	-5.46e-06
21	16	0.04	0.01	-0.49	-2.76e-04	2.67e-05	-5.51e-06
21	17	0.04	-0.01	-0.49	2.76e-04	2.67e-05	5.51e-06
21	18	-0.04	0.01	-0.50	-2.76e-04	-2.72e-05	-5.51e-06
21	19	-0.04	-0.01	-0.50	2.76e-04	-2.72e-05	5.51e-06
21	20	0.01	0.03	-0.49	-9.10e-04	7.83e-06	1.82e-05
21	21	0.01	-0.03	-0.49	9.10e-04	7.83e-06	-1.82e-05
21	22	-0.01	0.03	-0.49	-9.10e-04	-8.32e-06	1.82e-05
21	23	-0.01	-0.03	-0.49	9.10e-04	-8.32e-06	-1.82e-05
21	24	0.01	0.03	-0.49	-9.10e-04	7.83e-06	1.82e-05
21	25	0.01	-0.03	-0.49	9.10e-04	7.83e-06	-1.82e-05
21	26	-0.01	0.03	-0.49	-9.10e-04	-8.32e-06	1.82e-05
21	27	-0.01	-0.03	-0.49	9.10e-04	-8.32e-06	-1.82e-05
21	28	0.01	0.04	-0.49	-9.21e-04	7.83e-06	-1.84e-05
21	29	0.01	-0.04	-0.49	9.21e-04	7.83e-06	1.84e-05
21	30	-0.01	0.04	-0.49	-9.21e-04	-8.32e-06	-1.84e-05
21	31	-0.01	-0.04	-0.49	9.21e-04	-8.32e-06	1.84e-05
21	32	0.01	0.04	-0.49	-9.21e-04	7.83e-06	-1.84e-05
21	33	0.01	-0.04	-0.49	9.21e-04	7.83e-06	1.84e-05
21	34	-0.01	0.04	-0.49	-9.21e-04	-8.32e-06	-1.84e-05
21	35	-0.01	-0.04	-0.49	9.21e-04	-8.32e-06	1.84e-05
21	36	0.03	9.81e-03	-0.49	-2.93e-04	2.44e-05	5.81e-06
21	37	0.03	-9.81e-03	-0.49	2.93e-04	2.44e-05	-5.81e-06
21	38	-0.03	9.81e-03	-0.50	-2.93e-04	-2.48e-05	5.81e-06
21	39	-0.03	-9.81e-03	-0.50	2.93e-04	-2.48e-05	-5.81e-06
21	40	0.03	0.01	-0.49	-2.96e-04	2.44e-05	-5.85e-06
21	41	0.03	-0.01	-0.49	2.96e-04	2.44e-05	5.85e-06
21	42	-0.03	0.01	-0.50	-2.96e-04	-2.48e-05	-5.85e-06
21	43	-0.03	-0.01	-0.50	2.96e-04	-2.48e-05	5.85e-06
21	44	0.03	9.81e-03	-0.49	-2.93e-04	2.44e-05	5.81e-06
21	45	0.03	-9.81e-03	-0.49	2.93e-04	2.44e-05	-5.81e-06
21	46	-0.03	9.81e-03	-0.50	-2.93e-04	-2.48e-05	5.81e-06
21	47	-0.03	-9.81e-03	-0.50	2.93e-04	-2.48e-05	-5.81e-06
21	48	0.03	0.01	-0.49	-2.96e-04	2.44e-05	-5.85e-06
21	49	0.03	-0.01	-0.49	2.96e-04	2.44e-05	5.85e-06
21	50	-0.03	0.01	-0.50	-2.96e-04	-2.48e-05	-5.85e-06
21	51	-0.03	-0.01	-0.50	2.96e-04	-2.48e-05	5.85e-06
21	52	0.01	0.03	-0.49	-9.75e-04	7.14e-06	1.94e-05
21	53	0.01	-0.03	-0.49	9.75e-04	7.14e-06	-1.94e-05
21	54	-0.01	0.03	-0.49	-9.75e-04	-7.62e-06	1.94e-05
21	55	-0.01	-0.03	-0.49	9.75e-04	-7.62e-06	-1.94e-05
21	56	0.01	0.03	-0.49	-9.75e-04	7.14e-06	1.94e-05
21	57	0.01	-0.03	-0.49	9.75e-04	7.14e-06	-1.94e-05
21	58	-0.01	0.03	-0.49	-9.75e-04	-7.62e-06	1.94e-05
21	59	-0.01	-0.03	-0.49	9.75e-04	-7.62e-06	-1.94e-05
21	60	0.01	0.04	-0.49	-9.87e-04	7.14e-06	-1.95e-05
21	61	0.01	-0.04	-0.49	9.87e-04	7.14e-06	1.95e-05
21	62	-0.01	0.04	-0.49	-9.87e-04	-7.62e-06	-1.95e-05
21	63	-0.01	-0.04	-0.49	9.87e-04	-7.62e-06	1.95e-05
21	64	0.01	0.04	-0.49	-9.87e-04	7.14e-06	-1.95e-05
21	65	0.01	-0.04	-0.49	9.87e-04	7.14e-06	1.95e-05
21	66	-0.01	0.04	-0.49	-9.87e-04	-7.62e-06	-1.95e-05
21	67	-0.01	-0.04	-0.49	9.87e-04	-7.62e-06	1.95e-05
21	68	-3.68e-06	9.47e-03	-0.49	-4.31e-04	0.0	0.0
21	69	-3.68e-06	0.0	-0.49	0.0	0.0	0.0
21	70	-3.68e-06	0.0	-0.49	0.0	0.0	0.0
22	1	6.54e-06	0.07	-0.38	-3.24e-03	0.0	0.0
22	2	7.60e-06	0.07	-0.23	-3.23e-03	0.0	0.0
22	3	3.89e-06	0.05	-0.32	-2.16e-03	0.0	0.0
22	4	0.04	9.18e-03	-0.46	-2.78e-04	2.62e-05	0.0
22	5	0.04	-9.18e-03	-0.51	2.67e-04	-2.71e-05	0.0
22	6	-0.04	9.18e-03	-0.48	-2.79e-04	-2.76e-05	0.0
22	7	-0.04	-9.18e-03	-0.52	2.66e-04	-2.67e-05	0.0
22	8	0.04	0.01	-0.46	-2.82e-04	2.71e-05	0.0
22	9	0.04	-0.01	-0.51	2.70e-04	-2.62e-05	0.0

22	10	-0.04	0.01	-0.48	-2.82e-04	-2.67e-05	0.0
22	11	-0.04	-0.01	-0.52	2.70e-04	-2.76e-05	0.0
22	12	0.04	9.18e-03	-0.46	-2.78e-04	2.62e-05	0.0
22	13	0.04	-9.18e-03	-0.51	2.67e-04	2.71e-05	0.0
22	14	-0.04	9.18e-03	-0.48	-2.79e-04	-2.76e-05	0.0
22	15	-0.04	-9.18e-03	-0.52	2.66e-04	-2.67e-05	0.0
22	16	0.04	0.01	-0.46	-2.82e-04	2.71e-05	0.0
22	17	0.04	-0.01	-0.51	2.70e-04	2.62e-05	0.0
22	18	-0.04	0.01	-0.48	-2.82e-04	-2.67e-05	0.0
22	19	-0.04	-0.01	-0.52	2.70e-04	-2.76e-05	0.0
22	20	0.01	0.03	-0.42	-9.14e-04	6.42e-06	0.0
22	21	9.67e-03	-0.03	-0.56	9.02e-04	9.02e-06	0.0
22	22	-9.67e-03	0.03	-0.42	-9.14e-04	-9.72e-06	0.0
22	23	-0.01	-0.03	-0.57	9.02e-04	-6.92e-06	0.0
22	24	0.01	0.03	-0.42	-9.14e-04	6.42e-06	0.0
22	25	9.67e-03	-0.03	-0.56	9.02e-04	9.02e-06	0.0
22	26	-9.67e-03	0.03	-0.42	-9.14e-04	-9.72e-06	0.0
22	27	-0.01	-0.03	-0.57	9.02e-04	-6.92e-06	0.0
22	28	9.66e-03	0.04	-0.42	-9.25e-04	9.30e-06	0.0
22	29	0.01	-0.04	-0.56	9.13e-04	6.35e-06	0.0
22	30	-0.01	0.04	-0.42	-9.25e-04	-6.84e-06	0.0
22	31	-9.67e-03	-0.04	-0.57	9.13e-04	-9.79e-06	0.0
22	32	9.66e-03	0.04	-0.42	-9.25e-04	9.30e-06	0.0
22	33	0.01	-0.04	-0.56	9.13e-04	6.35e-06	0.0
22	34	-0.01	0.04	-0.42	-9.25e-04	-6.84e-06	0.0
22	35	-9.67e-03	-0.04	-0.57	9.13e-04	-9.79e-06	0.0
22	36	0.03	9.81e-03	-0.46	-2.98e-04	2.39e-05	0.0
22	37	0.03	-9.80e-03	-0.51	2.86e-04	2.48e-05	0.0
22	38	-0.03	9.81e-03	-0.47	-2.98e-04	-2.53e-05	0.0
22	39	-0.03	-9.81e-03	-0.52	2.86e-04	-2.44e-05	0.0
22	40	0.03	0.01	-0.46	-3.01e-04	2.48e-05	0.0
22	41	0.03	-0.01	-0.51	2.90e-04	2.39e-05	0.0
22	42	-0.03	0.01	-0.47	-3.02e-04	-2.44e-05	0.0
22	43	-0.03	-0.01	-0.52	2.89e-04	-2.53e-05	0.0
22	44	0.03	9.81e-03	-0.46	-2.98e-04	2.39e-05	0.0
22	45	0.03	-9.80e-03	-0.51	2.86e-04	2.48e-05	0.0
22	46	-0.03	9.81e-03	-0.47	-2.98e-04	-2.53e-05	0.0
22	47	-0.03	-9.81e-03	-0.52	2.86e-04	-2.44e-05	0.0
22	48	0.03	0.01	-0.46	-3.01e-04	2.48e-05	0.0
22	49	0.03	-0.01	-0.51	2.90e-04	2.39e-05	0.0
22	50	-0.03	0.01	-0.47	-3.02e-04	-2.44e-05	0.0
22	51	-0.03	-0.01	-0.52	2.89e-04	-2.53e-05	0.0
22	52	0.01	0.03	-0.41	-9.80e-04	5.64e-06	0.0
22	53	8.84e-03	-0.03	-0.57	9.68e-04	8.62e-06	0.0
22	54	-8.85e-03	0.03	-0.42	-9.80e-04	-9.12e-06	0.0
22	55	-0.01	-0.03	-0.57	9.67e-04	-6.13e-06	0.0
22	56	0.01	0.03	-0.41	-9.80e-04	5.64e-06	0.0
22	57	8.84e-03	-0.03	-0.57	9.68e-04	8.62e-06	0.0
22	58	-8.85e-03	0.03	-0.42	-9.80e-04	-9.12e-06	0.0
22	59	-0.01	-0.03	-0.57	9.67e-04	-6.13e-06	0.0
22	60	8.84e-03	0.04	-0.41	-9.91e-04	8.71e-06	0.0
22	61	0.01	-0.04	-0.57	9.79e-04	5.55e-06	0.0
22	62	-0.01	0.04	-0.41	-9.91e-04	-6.05e-06	0.0
22	63	-8.84e-03	-0.04	-0.57	9.79e-04	-9.20e-06	0.0
22	64	8.84e-03	0.04	-0.41	-9.91e-04	8.71e-06	0.0
22	65	0.01	-0.04	-0.57	9.79e-04	5.55e-06	0.0
22	66	-0.01	0.04	-0.41	-9.91e-04	-6.05e-06	0.0
22	67	-8.84e-03	-0.04	-0.57	9.79e-04	-9.20e-06	0.0
22	68	-2.04e-06	9.47e-03	-0.46	-4.36e-04	0.0	0.0
22	69	-3.52e-06	0.0	-0.49	-6.00e-06	0.0	0.0
22	70	-3.52e-06	0.0	-0.49	-6.00e-06	0.0	0.0
23	1	-3.01e-06	0.07	-0.64	-3.24e-03	0.0	0.0
23	2	-2.32e-06	0.07	-0.49	-3.24e-03	0.0	0.0
23	3	-2.32e-06	0.05	-0.49	-2.16e-03	0.0	0.0
23	4	0.04	9.57e-03	-0.49	-2.74e-04	2.67e-05	5.47e-06
23	5	0.04	-9.57e-03	-0.49	2.74e-04	2.67e-05	-5.47e-06
23	6	-0.04	9.57e-03	-0.50	-2.74e-04	-2.70e-05	5.47e-06
23	7	-0.04	-9.57e-03	-0.50	2.74e-04	-2.70e-05	-5.47e-06
23	8	0.04	0.01	-0.49	-2.76e-04	2.67e-05	-5.50e-06
23	9	0.04	-0.01	-0.49	2.76e-04	2.67e-05	5.50e-06
23	10	-0.04	0.01	-0.50	-2.76e-04	-2.70e-05	-5.50e-06
23	11	-0.04	-0.01	-0.50	2.76e-04	-2.70e-05	5.50e-06
23	12	0.04	9.57e-03	-0.49	-2.74e-04	2.67e-05	5.47e-06
23	13	0.04	-9.57e-03	-0.49	2.74e-04	2.67e-05	-5.47e-06
23	14	-0.04	9.57e-03	-0.50	-2.74e-04	-2.70e-05	5.47e-06

23	15	-0.04	-9.57e-03	-0.50	2.74e-04	-2.70e-05	-5.47e-06
23	16	0.04	0.01	-0.49	-2.76e-04	2.67e-05	-5.50e-06
23	17	0.04	-0.01	-0.49	2.76e-04	2.67e-05	5.50e-06
23	18	-0.04	0.01	-0.50	-2.76e-04	-2.70e-05	-5.50e-06
23	19	-0.04	-0.01	-0.50	2.76e-04	-2.70e-05	5.50e-06
23	20	0.01	0.03	-0.49	-9.12e-04	7.88e-06	1.82e-05
23	21	0.01	-0.03	-0.49	9.12e-04	7.88e-06	-1.82e-05
23	22	-0.01	0.03	-0.49	-9.12e-04	-8.22e-06	1.82e-05
23	23	-0.01	-0.03	-0.49	9.12e-04	-8.22e-06	-1.82e-05
23	24	0.01	0.03	-0.49	-9.12e-04	7.88e-06	1.82e-05
23	25	0.01	-0.03	-0.49	9.12e-04	7.88e-06	-1.82e-05
23	26	-0.01	0.03	-0.49	-9.12e-04	-8.22e-06	1.82e-05
23	27	-0.01	-0.03	-0.49	9.12e-04	-8.22e-06	-1.82e-05
23	28	0.01	0.04	-0.49	-9.19e-04	7.88e-06	-1.83e-05
23	29	0.01	-0.04	-0.49	9.19e-04	7.88e-06	1.83e-05
23	30	-0.01	0.04	-0.49	-9.19e-04	-8.22e-06	-1.83e-05
23	31	-0.01	-0.04	-0.49	9.19e-04	-8.22e-06	1.83e-05
23	32	0.01	0.04	-0.49	-9.19e-04	7.88e-06	-1.83e-05
23	33	0.01	-0.04	-0.49	9.19e-04	7.88e-06	1.83e-05
23	34	-0.01	0.04	-0.49	-9.19e-04	-8.22e-06	-1.83e-05
23	35	-0.01	-0.04	-0.49	9.19e-04	-8.22e-06	1.83e-05
23	36	0.03	0.01	-0.49	-2.93e-04	2.43e-05	5.82e-06
23	37	0.03	-0.01	-0.49	2.93e-04	2.43e-05	-5.82e-06
23	38	-0.03	0.01	-0.50	-2.93e-04	-2.47e-05	5.82e-06
23	39	-0.03	-0.01	-0.50	2.93e-04	-2.47e-05	-5.82e-06
23	40	0.03	0.01	-0.49	-2.96e-04	2.43e-05	-5.84e-06
23	41	0.03	-0.01	-0.49	2.96e-04	2.43e-05	5.84e-06
23	42	-0.03	0.01	-0.50	-2.96e-04	-2.47e-05	-5.84e-06
23	43	-0.03	-0.01	-0.50	2.96e-04	-2.47e-05	5.84e-06
23	44	0.03	0.01	-0.49	-2.93e-04	2.43e-05	5.82e-06
23	45	0.03	-0.01	-0.49	2.93e-04	2.43e-05	-5.82e-06
23	46	-0.03	0.01	-0.50	-2.93e-04	-2.47e-05	5.82e-06
23	47	-0.03	-0.01	-0.50	2.93e-04	-2.47e-05	-5.82e-06
23	48	0.03	0.01	-0.49	-2.96e-04	2.43e-05	-5.84e-06
23	49	0.03	-0.01	-0.49	2.96e-04	2.43e-05	5.84e-06
23	50	-0.03	0.01	-0.50	-2.96e-04	-2.47e-05	-5.84e-06
23	51	-0.03	-0.01	-0.50	2.96e-04	-2.47e-05	5.84e-06
23	52	0.01	0.03	-0.49	-9.77e-04	7.19e-06	1.94e-05
23	53	0.01	-0.03	-0.49	9.77e-04	7.19e-06	-1.94e-05
23	54	-0.01	0.03	-0.49	-9.77e-04	-7.52e-06	1.94e-05
23	55	-0.01	-0.03	-0.49	9.77e-04	-7.52e-06	-1.94e-05
23	56	0.01	0.03	-0.49	-9.77e-04	7.19e-06	1.94e-05
23	57	0.01	-0.03	-0.49	9.77e-04	7.19e-06	-1.94e-05
23	58	-0.01	0.03	-0.49	-9.77e-04	-7.52e-06	1.94e-05
23	59	-0.01	-0.03	-0.49	9.77e-04	-7.52e-06	-1.94e-05
23	60	0.01	0.04	-0.49	-9.85e-04	7.19e-06	-1.95e-05
23	61	0.01	-0.04	-0.49	9.85e-04	7.19e-06	1.95e-05
23	62	-0.01	0.04	-0.49	-9.85e-04	-7.52e-06	-1.95e-05
23	63	-0.01	-0.04	-0.49	9.85e-04	-7.52e-06	1.95e-05
23	64	0.01	0.04	-0.49	-9.85e-04	7.19e-06	-1.95e-05
23	65	0.01	-0.04	-0.49	9.85e-04	7.19e-06	1.95e-05
23	66	-0.01	0.04	-0.49	-9.85e-04	-7.52e-06	-1.95e-05
23	67	-0.01	-0.04	-0.49	9.85e-04	-7.52e-06	1.95e-05
23	68	-2.32e-06	9.47e-03	-0.49	-4.31e-04	0.0	0.0
23	69	-2.32e-06	0.0	-0.49	0.0	0.0	0.0
23	70	-2.32e-06	0.0	-0.49	0.0	0.0	0.0
24	1	5.08e-06	0.07	-0.38	-3.24e-03	0.0	0.0
24	2	5.78e-06	0.07	-0.23	-3.23e-03	0.0	0.0
24	3	3.07e-06	0.05	-0.32	-2.16e-03	0.0	0.0
24	4	0.04	9.57e-03	-0.47	-2.79e-04	2.62e-05	0.0
24	5	0.04	-9.57e-03	-0.51	2.67e-04	2.71e-05	0.0
24	6	-0.04	9.57e-03	-0.47	-2.79e-04	-2.74e-05	0.0
24	7	-0.04	-9.57e-03	-0.52	2.67e-04	-2.65e-05	0.0
24	8	0.04	0.01	-0.47	-2.81e-04	2.71e-05	0.0
24	9	0.04	-0.01	-0.51	2.69e-04	2.62e-05	0.0
24	10	-0.04	0.01	-0.47	-2.81e-04	-2.65e-05	0.0
24	11	-0.04	-0.01	-0.52	2.69e-04	-2.74e-05	0.0
24	12	0.04	9.57e-03	-0.47	-2.79e-04	2.62e-05	0.0
24	13	0.04	-9.57e-03	-0.51	2.67e-04	2.71e-05	0.0
24	14	-0.04	9.57e-03	-0.47	-2.79e-04	-2.74e-05	0.0
24	15	-0.04	-9.57e-03	-0.52	2.67e-04	-2.65e-05	0.0
24	16	0.04	0.01	-0.47	-2.81e-04	2.71e-05	0.0
24	17	0.04	-0.01	-0.51	2.69e-04	2.62e-05	0.0
24	18	-0.04	0.01	-0.47	-2.81e-04	-2.65e-05	0.0
24	19	-0.04	-0.01	-0.52	2.69e-04	-2.74e-05	0.0

24	20	0.01	0.03	-0.42	-9.16e-04	6.38e-06	0.0
24	21	9.67e-03	-0.03	-0.56	9.04e-04	9.37e-06	0.0
24	22	-9.67e-03	0.03	-0.42	-9.16e-04	-9.71e-06	0.0
24	23	-0.01	-0.03	-0.57	9.04e-04	-6.72e-06	0.0
24	24	0.01	0.03	-0.42	-9.16e-04	6.38e-06	0.0
24	25	9.67e-03	-0.03	-0.56	9.04e-04	9.37e-06	0.0
24	26	-9.67e-03	0.03	-0.42	-9.16e-04	-9.71e-06	0.0
24	27	-0.01	-0.03	-0.57	9.04e-04	-6.72e-06	0.0
24	28	9.66e-03	0.04	-0.42	-9.23e-04	9.41e-06	0.0
24	29	0.01	-0.04	-0.56	9.11e-04	6.33e-06	0.0
24	30	-0.01	0.04	-0.42	-9.23e-04	-6.67e-06	0.0
24	31	-9.67e-03	-0.04	-0.57	9.11e-04	-9.75e-06	0.0
24	32	9.66e-03	0.04	-0.42	-9.23e-04	9.41e-06	0.0
24	33	0.01	-0.04	-0.56	9.11e-04	6.33e-06	0.0
24	34	-0.01	0.04	-0.42	-9.23e-04	-6.67e-06	0.0
24	35	-9.67e-03	-0.04	-0.57	9.11e-04	-9.75e-06	0.0
24	36	0.03	0.01	-0.46	-2.98e-04	2.38e-05	0.0
24	37	0.03	-0.01	-0.51	2.87e-04	2.48e-05	0.0
24	38	-0.03	0.01	-0.47	-2.99e-04	-2.51e-05	0.0
24	39	-0.03	-0.01	-0.52	2.86e-04	-2.42e-05	0.0
24	40	0.03	0.01	-0.46	-3.01e-04	2.48e-05	0.0
24	41	0.03	-0.01	-0.51	2.89e-04	2.38e-05	0.0
24	42	-0.03	0.01	-0.47	-3.01e-04	-2.42e-05	0.0
24	43	-0.03	-0.01	-0.52	2.89e-04	-2.52e-05	0.0
24	44	0.03	0.01	-0.46	-2.98e-04	2.38e-05	0.0
24	45	0.03	-0.01	-0.51	2.87e-04	2.48e-05	0.0
24	46	-0.03	0.01	-0.47	-2.99e-04	-2.51e-05	0.0
24	47	-0.03	-0.01	-0.52	2.86e-04	-2.42e-05	0.0
24	48	0.03	0.01	-0.46	-3.01e-04	2.48e-05	0.0
24	49	0.03	-0.01	-0.51	2.89e-04	2.38e-05	0.0
24	50	-0.03	0.01	-0.47	-3.01e-04	-2.42e-05	0.0
24	51	-0.03	-0.01	-0.52	2.89e-04	-2.52e-05	0.0
24	52	0.01	0.03	-0.41	-9.81e-04	5.58e-06	0.0
24	53	8.84e-03	-0.03	-0.57	9.69e-04	8.78e-06	0.0
24	54	-8.85e-03	0.03	-0.41	-9.81e-04	-9.11e-06	0.0
24	55	-0.01	-0.03	-0.57	9.69e-04	-5.92e-06	0.0
24	56	0.01	0.03	-0.41	-9.81e-04	5.58e-06	0.0
24	57	8.84e-03	-0.03	-0.57	9.69e-04	8.78e-06	0.0
24	58	-8.85e-03	0.03	-0.41	-9.81e-04	-9.11e-06	0.0
24	59	-0.01	-0.03	-0.57	9.69e-04	-5.92e-06	0.0
24	60	8.84e-03	0.04	-0.41	-9.89e-04	8.82e-06	0.0
24	61	0.01	-0.04	-0.57	9.77e-04	5.54e-06	0.0
24	62	-0.01	0.04	-0.41	-9.89e-04	-5.87e-06	0.0
24	63	-8.84e-03	-0.04	-0.57	9.77e-04	-9.16e-06	0.0
24	64	8.84e-03	0.04	-0.41	-9.89e-04	8.82e-06	0.0
24	65	0.01	-0.04	-0.57	9.77e-04	5.54e-06	0.0
24	66	-0.01	0.04	-0.41	-9.89e-04	-5.87e-06	0.0
24	67	-8.84e-03	-0.04	-0.57	9.77e-04	-9.16e-06	0.0
24	68	-1.25e-06	9.47e-03	-0.46	-4.36e-04	0.0	0.0
24	69	-2.33e-06	0.0	-0.49	-6.00e-06	0.0	0.0
24	70	-2.33e-06	0.0	-0.49	-6.00e-06	0.0	0.0
25	1	-1.24e-06	0.07	-0.64	-3.24e-03	0.0	0.0
25	2	0.0	0.07	-0.49	-3.24e-03	0.0	0.0
25	3	0.0	0.05	-0.49	-2.16e-03	0.0	0.0
25	4	0.04	9.96e-03	-0.49	-2.74e-04	2.67e-05	5.49e-06
25	5	0.04	-9.96e-03	-0.49	2.74e-04	2.67e-05	-5.49e-06
25	6	-0.04	9.96e-03	-0.49	-2.74e-04	-2.69e-05	5.49e-06
25	7	-0.04	-9.96e-03	-0.49	2.74e-04	-2.69e-05	-5.49e-06
25	8	0.04	0.01	-0.49	-2.75e-04	2.67e-05	-5.49e-06
25	9	0.04	-0.01	-0.49	2.75e-04	2.67e-05	5.49e-06
25	10	-0.04	0.01	-0.49	-2.75e-04	-2.69e-05	-5.49e-06
25	11	-0.04	-0.01	-0.49	2.75e-04	-2.69e-05	5.49e-06
25	12	0.04	9.96e-03	-0.49	-2.74e-04	2.67e-05	5.49e-06
25	13	0.04	-9.96e-03	-0.49	2.74e-04	2.67e-05	-5.49e-06
25	14	-0.04	9.96e-03	-0.49	-2.74e-04	-2.69e-05	5.49e-06
25	15	-0.04	-9.96e-03	-0.49	2.74e-04	-2.69e-05	-5.49e-06
25	16	0.04	0.01	-0.49	-2.75e-04	2.67e-05	-5.49e-06
25	17	0.04	-0.01	-0.49	2.75e-04	2.67e-05	5.49e-06
25	18	-0.04	0.01	-0.49	-2.75e-04	-2.69e-05	-5.49e-06
25	19	-0.04	-0.01	-0.49	2.75e-04	-2.69e-05	5.49e-06
25	20	0.01	0.03	-0.49	-9.14e-04	7.93e-06	1.83e-05
25	21	0.01	-0.03	-0.49	9.14e-04	7.93e-06	-1.83e-05
25	22	-0.01	0.03	-0.49	-9.14e-04	-8.12e-06	1.83e-05
25	23	-0.01	-0.03	-0.49	9.14e-04	-8.12e-06	-1.83e-05
25	24	0.01	0.03	-0.49	-9.14e-04	7.93e-06	1.83e-05

25	25	0.01	-0.03	-0.49	9.14e-04	7.93e-06	-1.83e-05
25	26	-0.01	0.03	-0.49	-9.14e-04	-8.12e-06	1.83e-05
25	27	-0.01	-0.03	-0.49	9.14e-04	-8.12e-06	-1.83e-05
25	28	0.01	0.04	-0.49	-9.17e-04	7.93e-06	-1.83e-05
25	29	0.01	-0.04	-0.49	9.17e-04	7.93e-06	1.83e-05
25	30	-0.01	0.04	-0.49	-9.17e-04	-8.12e-06	-1.83e-05
25	31	-0.01	-0.04	-0.49	9.17e-04	-8.12e-06	1.83e-05
25	32	0.01	0.04	-0.49	-9.17e-04	7.93e-06	-1.83e-05
25	33	0.01	-0.04	-0.49	9.17e-04	7.93e-06	1.83e-05
25	34	-0.01	0.04	-0.49	-9.17e-04	-8.12e-06	-1.83e-05
25	35	-0.01	-0.04	-0.49	9.17e-04	-8.12e-06	1.83e-05
25	36	0.03	0.01	-0.49	-2.94e-04	2.44e-05	5.84e-06
25	37	0.03	-0.01	-0.49	2.94e-04	2.44e-05	-5.84e-06
25	38	-0.03	0.01	-0.49	-2.94e-04	-2.45e-05	5.84e-06
25	39	-0.03	-0.01	-0.49	2.94e-04	-2.45e-05	-5.84e-06
25	40	0.03	0.01	-0.49	-2.95e-04	2.44e-05	5.84e-06
25	41	0.03	-0.01	-0.49	2.95e-04	2.44e-05	-5.84e-06
25	42	-0.03	0.01	-0.49	-2.95e-04	-2.45e-05	5.84e-06
25	43	-0.03	-0.01	-0.49	2.95e-04	-2.45e-05	-5.84e-06
25	44	0.03	0.01	-0.49	-2.94e-04	2.44e-05	5.84e-06
25	45	0.03	-0.01	-0.49	2.94e-04	2.44e-05	-5.84e-06
25	46	-0.03	0.01	-0.49	-2.94e-04	-2.45e-05	5.84e-06
25	47	-0.03	-0.01	-0.49	2.94e-04	-2.45e-05	-5.84e-06
25	48	0.03	0.01	-0.49	-2.95e-04	2.44e-05	5.84e-06
25	49	0.03	-0.01	-0.49	2.95e-04	2.44e-05	-5.84e-06
25	50	-0.03	0.01	-0.49	-2.95e-04	-2.45e-05	5.84e-06
25	51	-0.03	-0.01	-0.49	2.95e-04	-2.45e-05	-5.84e-06
25	52	0.01	0.04	-0.49	-9.79e-04	7.24e-06	1.95e-05
25	53	0.01	-0.04	-0.49	9.79e-04	7.24e-06	-1.95e-05
25	54	-0.01	0.04	-0.49	-9.79e-04	-7.43e-06	1.95e-05
25	55	-0.01	-0.04	-0.49	9.79e-04	-7.43e-06	-1.95e-05
25	56	0.01	0.04	-0.49	-9.79e-04	7.24e-06	1.95e-05
25	57	0.01	-0.04	-0.49	9.79e-04	7.24e-06	-1.95e-05
25	58	-0.01	0.04	-0.49	-9.79e-04	-7.43e-06	1.95e-05
25	59	-0.01	-0.04	-0.49	9.79e-04	-7.43e-06	-1.95e-05
25	60	0.01	0.04	-0.49	-9.83e-04	7.24e-06	1.95e-05
25	61	0.01	-0.04	-0.49	9.83e-04	7.24e-06	-1.95e-05
25	62	-0.01	0.04	-0.49	-9.83e-04	-7.43e-06	1.95e-05
25	63	-0.01	-0.04	-0.49	9.83e-04	-7.43e-06	-1.95e-05
25	64	0.01	0.04	-0.49	-9.83e-04	7.24e-06	1.95e-05
25	65	0.01	-0.04	-0.49	9.83e-04	7.24e-06	-1.95e-05
25	66	-0.01	0.04	-0.49	-9.83e-04	-7.43e-06	1.95e-05
25	67	-0.01	-0.04	-0.49	9.83e-04	-7.43e-06	-1.95e-05
25	68	0.0	9.47e-03	-0.49	-4.31e-04	0.0	0.0
25	69	0.0	0.0	-0.49	0.0	0.0	0.0
25	70	0.0	0.0	-0.49	0.0	0.0	0.0
26	1	3.21e-06	0.07	-0.38	-3.24e-03	0.0	0.0
26	2	3.56e-06	0.07	-0.23	-3.23e-03	0.0	0.0
26	3	1.99e-06	0.05	-0.32	-2.16e-03	0.0	0.0
26	4	0.04	9.96e-03	-0.47	-2.79e-04	2.62e-05	0.0
26	5	0.04	-9.96e-03	-0.51	2.68e-04	2.71e-05	0.0
26	6	-0.04	9.96e-03	-0.47	-2.80e-04	-2.73e-05	0.0
26	7	-0.04	-9.96e-03	-0.52	2.67e-04	-2.64e-05	0.0
26	8	0.04	0.01	-0.47	-2.81e-04	2.71e-05	0.0
26	9	0.04	-0.01	-0.51	2.69e-04	2.62e-05	0.0
26	10	-0.04	0.01	-0.47	-2.81e-04	-2.64e-05	0.0
26	11	-0.04	-0.01	-0.52	2.69e-04	-2.73e-05	0.0
26	12	0.04	9.96e-03	-0.47	-2.79e-04	2.62e-05	0.0
26	13	0.04	-9.96e-03	-0.51	2.68e-04	2.71e-05	0.0
26	14	-0.04	9.96e-03	-0.47	-2.80e-04	-2.73e-05	0.0
26	15	-0.04	-9.96e-03	-0.52	2.67e-04	-2.64e-05	0.0
26	16	0.04	0.01	-0.47	-2.81e-04	2.71e-05	0.0
26	17	0.04	-0.01	-0.51	2.69e-04	2.62e-05	0.0
26	18	-0.04	0.01	-0.47	-2.81e-04	-2.64e-05	0.0
26	19	-0.04	-0.01	-0.52	2.69e-04	-2.73e-05	0.0
26	20	0.01	0.03	-0.42	-9.18e-04	6.37e-06	0.0
26	21	9.67e-03	-0.03	-0.56	9.06e-04	9.49e-06	0.0
26	22	-9.67e-03	0.03	-0.42	-9.18e-04	-9.67e-06	0.0
26	23	-0.01	-0.03	-0.57	9.06e-04	-6.56e-06	0.0
26	24	0.01	0.03	-0.42	-9.18e-04	6.37e-06	0.0
26	25	9.67e-03	-0.03	-0.56	9.06e-04	9.49e-06	0.0
26	26	-9.67e-03	0.03	-0.42	-9.18e-04	-9.67e-06	0.0
26	27	-0.01	-0.03	-0.57	9.06e-04	-6.56e-06	0.0
26	28	9.67e-03	0.04	-0.42	-9.21e-04	9.50e-06	0.0
26	29	0.01	-0.04	-0.56	9.09e-04	6.36e-06	0.0

26	30	-0.01	0.04	-0.42	-9.21e-04	-6.54e-06	0.0
26	31	-9.67e-03	-0.04	-0.57	9.09e-04	-9.69e-06	0.0
26	32	9.67e-03	0.04	-0.42	-9.21e-04	9.50e-06	0.0
26	33	0.01	-0.04	-0.56	9.09e-04	6.36e-06	0.0
26	34	-0.01	0.04	-0.42	-9.21e-04	-6.54e-06	0.0
26	35	-9.67e-03	-0.04	-0.57	9.09e-04	-9.69e-06	0.0
26	36	0.03	0.01	-0.47	-2.99e-04	2.38e-05	0.0
26	37	0.03	-0.01	-0.51	2.87e-04	2.48e-05	0.0
26	38	-0.03	0.01	-0.47	-2.99e-04	-2.50e-05	0.0
26	39	-0.03	-0.01	-0.52	2.87e-04	-2.40e-05	0.0
26	40	0.03	0.01	-0.47	-3.00e-04	2.48e-05	0.0
26	41	0.03	-0.01	-0.51	2.88e-04	2.38e-05	0.0
26	42	-0.03	0.01	-0.47	-3.00e-04	-2.40e-05	0.0
26	43	-0.03	-0.01	-0.52	2.88e-04	-2.50e-05	0.0
26	44	0.03	0.01	-0.47	-2.99e-04	2.38e-05	0.0
26	45	0.03	-0.01	-0.51	2.87e-04	2.48e-05	0.0
26	46	-0.03	0.01	-0.47	-2.99e-04	-2.50e-05	0.0
26	47	-0.03	-0.01	-0.52	2.87e-04	-2.40e-05	0.0
26	48	0.03	0.01	-0.47	-3.00e-04	2.48e-05	0.0
26	49	0.03	-0.01	-0.51	2.88e-04	2.38e-05	0.0
26	50	-0.03	0.01	-0.47	-3.00e-04	-2.40e-05	0.0
26	51	-0.03	-0.01	-0.52	2.88e-04	-2.50e-05	0.0
26	52	0.01	0.04	-0.41	-9.83e-04	5.58e-06	0.0
26	53	8.84e-03	-0.04	-0.57	9.71e-04	8.90e-06	0.0
26	54	-8.85e-03	0.04	-0.41	-9.83e-04	-9.09e-06	0.0
26	55	-0.01	-0.04	-0.57	9.71e-04	-5.76e-06	0.0
26	56	0.01	0.04	-0.41	-9.83e-04	5.58e-06	0.0
26	57	8.84e-03	-0.04	-0.57	9.71e-04	8.90e-06	0.0
26	58	-8.85e-03	0.04	-0.41	-9.83e-04	-9.09e-06	0.0
26	59	-0.01	-0.04	-0.57	9.71e-04	-5.76e-06	0.0
26	60	8.84e-03	0.04	-0.41	-9.87e-04	8.92e-06	0.0
26	61	0.01	-0.04	-0.57	9.75e-04	5.56e-06	0.0
26	62	-0.01	0.04	-0.41	-9.87e-04	-5.74e-06	0.0
26	63	-8.85e-03	-0.04	-0.57	9.75e-04	-9.10e-06	0.0
26	64	8.84e-03	0.04	-0.41	-9.87e-04	8.92e-06	0.0
26	65	0.01	-0.04	-0.57	9.75e-04	5.56e-06	0.0
26	66	-0.01	0.04	-0.41	-9.87e-04	-5.74e-06	0.0
26	67	-8.85e-03	-0.04	-0.57	9.75e-04	-9.10e-06	0.0
26	68	0.0	9.47e-03	-0.46	-4.36e-04	0.0	0.0
26	69	-1.16e-06	0.0	-0.49	-6.00e-06	0.0	0.0
26	70	-1.16e-06	0.0	-0.49	-6.00e-06	0.0	0.0
27	1	0.0	0.07	-0.64	-3.24e-03	0.0	0.0
27	2	0.0	0.07	-0.49	-3.24e-03	0.0	0.0
27	3	0.0	0.05	-0.49	-2.16e-03	0.0	0.0
27	4	0.04	0.01	-0.49	-2.75e-04	2.67e-05	5.49e-06
27	5	0.04	-0.01	-0.49	2.75e-04	2.67e-05	-5.49e-06
27	6	-0.04	0.01	-0.49	-2.75e-04	-2.67e-05	5.49e-06
27	7	-0.04	-0.01	-0.49	2.75e-04	-2.67e-05	-5.49e-06
27	8	0.04	0.01	-0.49	-2.75e-04	2.67e-05	-5.49e-06
27	9	0.04	-0.01	-0.49	2.75e-04	2.67e-05	5.49e-06
27	10	-0.04	0.01	-0.49	-2.75e-04	-2.67e-05	-5.49e-06
27	11	-0.04	-0.01	-0.49	2.75e-04	-2.67e-05	5.49e-06
27	12	0.04	0.01	-0.49	-2.75e-04	2.67e-05	5.49e-06
27	13	0.04	-0.01	-0.49	2.75e-04	2.67e-05	-5.49e-06
27	14	-0.04	0.01	-0.49	-2.75e-04	-2.67e-05	5.49e-06
27	15	-0.04	-0.01	-0.49	2.75e-04	-2.67e-05	-5.49e-06
27	16	0.04	0.01	-0.49	-2.75e-04	2.67e-05	-5.49e-06
27	17	0.04	-0.01	-0.49	2.75e-04	2.67e-05	5.49e-06
27	18	-0.04	0.01	-0.49	-2.75e-04	-2.67e-05	-5.49e-06
27	19	-0.04	-0.01	-0.49	2.75e-04	-2.67e-05	5.49e-06
27	20	0.01	0.03	-0.49	-9.15e-04	8.02e-06	1.83e-05
27	21	0.01	-0.03	-0.49	9.15e-04	8.02e-06	-1.83e-05
27	22	-0.01	0.03	-0.49	-9.15e-04	-8.02e-06	1.83e-05
27	23	-0.01	-0.03	-0.49	9.15e-04	-8.02e-06	-1.83e-05
27	24	0.01	0.03	-0.49	-9.15e-04	8.02e-06	1.83e-05
27	25	0.01	-0.03	-0.49	9.15e-04	8.02e-06	-1.83e-05
27	26	-0.01	0.03	-0.49	-9.15e-04	-8.02e-06	1.83e-05
27	27	-0.01	-0.03	-0.49	9.15e-04	-8.02e-06	-1.83e-05
27	28	0.01	0.03	-0.49	-9.15e-04	8.02e-06	-1.83e-05
27	29	0.01	-0.03	-0.49	9.15e-04	8.02e-06	1.83e-05
27	30	-0.01	0.03	-0.49	-9.15e-04	-8.02e-06	-1.83e-05
27	31	-0.01	-0.03	-0.49	9.15e-04	-8.02e-06	1.83e-05
27	32	0.01	0.03	-0.49	-9.15e-04	8.02e-06	-1.83e-05
27	33	0.01	-0.03	-0.49	9.15e-04	8.02e-06	1.83e-05
27	34	-0.01	0.03	-0.49	-9.15e-04	-8.02e-06	-1.83e-05

27	35	-0.01	-0.03	-0.49	9.15e-04	-8.02e-06	1.83e-05
27	36	0.03	0.01	-0.49	-2.94e-04	2.44e-05	5.84e-06
27	37	0.03	-0.01	-0.49	2.94e-04	2.44e-05	-5.84e-06
27	38	-0.03	0.01	-0.49	-2.94e-04	-2.44e-05	5.84e-06
27	39	-0.03	-0.01	-0.49	2.94e-04	-2.44e-05	-5.84e-06
27	40	0.03	0.01	-0.49	-2.94e-04	2.44e-05	-5.84e-06
27	41	0.03	-0.01	-0.49	2.94e-04	2.44e-05	5.84e-06
27	42	-0.03	0.01	-0.49	-2.94e-04	-2.44e-05	-5.84e-06
27	43	-0.03	-0.01	-0.49	2.94e-04	-2.44e-05	5.84e-06
27	44	0.03	0.01	-0.49	-2.94e-04	2.44e-05	5.84e-06
27	45	0.03	-0.01	-0.49	2.94e-04	2.44e-05	-5.84e-06
27	46	-0.03	0.01	-0.49	-2.94e-04	-2.44e-05	5.84e-06
27	47	-0.03	-0.01	-0.49	2.94e-04	-2.44e-05	-5.84e-06
27	48	0.03	0.01	-0.49	-2.94e-04	2.44e-05	-5.84e-06
27	49	0.03	-0.01	-0.49	2.94e-04	2.44e-05	5.84e-06
27	50	-0.03	0.01	-0.49	-2.94e-04	-2.44e-05	-5.84e-06
27	51	-0.03	-0.01	-0.49	2.94e-04	-2.44e-05	5.84e-06
27	52	0.01	0.04	-0.49	-9.81e-04	7.33e-06	1.95e-05
27	53	0.01	-0.04	-0.49	9.81e-04	7.33e-06	-1.95e-05
27	54	-0.01	0.04	-0.49	-9.81e-04	-7.33e-06	1.95e-05
27	55	-0.01	-0.04	-0.49	9.81e-04	-7.33e-06	-1.95e-05
27	56	0.01	0.04	-0.49	-9.81e-04	7.33e-06	1.95e-05
27	57	0.01	-0.04	-0.49	9.81e-04	7.33e-06	-1.95e-05
27	58	-0.01	0.04	-0.49	-9.81e-04	-7.33e-06	1.95e-05
27	59	-0.01	-0.04	-0.49	9.81e-04	-7.33e-06	-1.95e-05
27	60	0.01	0.04	-0.49	-9.81e-04	7.33e-06	-1.95e-05
27	61	0.01	-0.04	-0.49	9.81e-04	7.33e-06	1.95e-05
27	62	-0.01	0.04	-0.49	-9.81e-04	-7.33e-06	-1.95e-05
27	63	-0.01	-0.04	-0.49	9.81e-04	-7.33e-06	1.95e-05
27	64	0.01	0.04	-0.49	-9.81e-04	7.33e-06	-1.95e-05
27	65	0.01	-0.04	-0.49	9.81e-04	7.33e-06	1.95e-05
27	66	-0.01	0.04	-0.49	-9.81e-04	-7.33e-06	-1.95e-05
27	67	-0.01	-0.04	-0.49	9.81e-04	-7.33e-06	1.95e-05
27	68	0.0	9.47e-03	-0.49	-4.31e-04	0.0	0.0
27	69	0.0	0.0	-0.49	0.0	0.0	0.0
27	70	0.0	0.0	-0.49	0.0	0.0	0.0
28	1	0.0	0.07	-0.38	-3.24e-03	0.0	0.0
28	2	0.0	0.07	-0.23	-3.23e-03	0.0	0.0
28	3	0.0	0.05	-0.32	-2.16e-03	0.0	0.0
28	4	0.04	0.01	-0.47	-2.80e-04	2.62e-05	0.0
28	5	0.04	-0.01	-0.51	2.68e-04	2.72e-05	0.0
28	6	-0.04	0.01	-0.47	-2.80e-04	-2.72e-05	0.0
28	7	-0.04	-0.01	-0.51	2.68e-04	-2.62e-05	0.0
28	8	0.04	0.01	-0.47	-2.80e-04	2.72e-05	0.0
28	9	0.04	-0.01	-0.51	2.68e-04	2.62e-05	0.0
28	10	-0.04	0.01	-0.47	-2.80e-04	-2.62e-05	0.0
28	11	-0.04	-0.01	-0.51	2.68e-04	-2.72e-05	0.0
28	12	0.04	0.01	-0.47	-2.80e-04	2.62e-05	0.0
28	13	0.04	-0.01	-0.51	2.68e-04	2.72e-05	0.0
28	14	-0.04	0.01	-0.47	-2.80e-04	-2.72e-05	0.0
28	15	-0.04	-0.01	-0.51	2.68e-04	-2.62e-05	0.0
28	16	0.04	0.01	-0.47	-2.80e-04	2.72e-05	0.0
28	17	0.04	-0.01	-0.51	2.68e-04	2.62e-05	0.0
28	18	-0.04	0.01	-0.47	-2.80e-04	-2.62e-05	0.0
28	19	-0.04	-0.01	-0.51	2.68e-04	-2.72e-05	0.0
28	20	0.01	0.03	-0.42	-9.20e-04	6.44e-06	0.0
28	21	9.67e-03	-0.03	-0.56	9.08e-04	9.60e-06	0.0
28	22	-9.67e-03	0.03	-0.42	-9.20e-04	-9.60e-06	0.0
28	23	-0.01	-0.03	-0.56	9.08e-04	-6.44e-06	0.0
28	24	0.01	0.03	-0.42	-9.20e-04	6.44e-06	0.0
28	25	9.67e-03	-0.03	-0.56	9.08e-04	9.60e-06	0.0
28	26	-9.67e-03	0.03	-0.42	-9.20e-04	-9.60e-06	0.0
28	27	-0.01	-0.03	-0.56	9.08e-04	-6.44e-06	0.0
28	28	9.67e-03	0.03	-0.42	-9.20e-04	9.60e-06	0.0
28	29	0.01	-0.03	-0.56	9.08e-04	6.44e-06	0.0
28	30	-0.01	0.03	-0.42	-9.20e-04	-6.44e-06	0.0
28	31	-9.67e-03	-0.03	-0.56	9.08e-04	-9.60e-06	0.0
28	32	9.67e-03	0.03	-0.42	-9.20e-04	9.60e-06	0.0
28	33	0.01	-0.03	-0.56	9.08e-04	6.44e-06	0.0
28	34	-0.01	0.03	-0.42	-9.20e-04	-6.44e-06	0.0
28	35	-9.67e-03	-0.03	-0.56	9.08e-04	-9.60e-06	0.0
28	36	0.03	0.01	-0.47	-3.00e-04	2.39e-05	0.0
28	37	0.03	-0.01	-0.51	2.88e-04	2.49e-05	0.0
28	38	-0.03	0.01	-0.47	-3.00e-04	-2.49e-05	0.0
28	39	-0.03	-0.01	-0.51	2.88e-04	-2.39e-05	0.0

28	40	0.03	0.01	-0.47	-3.00e-04	2.49e-05	0.0
28	41	0.03	-0.01	-0.51	2.88e-04	2.39e-05	0.0
28	42	-0.03	0.01	-0.47	-3.00e-04	-2.39e-05	0.0
28	43	-0.03	-0.01	-0.51	2.88e-04	-2.49e-05	0.0
28	44	0.03	0.01	-0.47	-3.00e-04	2.39e-05	0.0
28	45	0.03	-0.01	-0.51	2.88e-04	2.49e-05	0.0
28	46	-0.03	0.01	-0.47	-3.00e-04	-2.49e-05	0.0
28	47	-0.03	-0.01	-0.51	2.88e-04	-2.39e-05	0.0
28	48	0.03	0.01	-0.47	-3.00e-04	2.49e-05	0.0
28	49	0.03	-0.01	-0.51	2.88e-04	2.39e-05	0.0
28	50	-0.03	0.01	-0.47	-3.00e-04	-2.39e-05	0.0
28	51	-0.03	-0.01	-0.51	2.88e-04	-2.49e-05	0.0
28	52	0.01	0.04	-0.41	-9.85e-04	5.64e-06	0.0
28	53	8.85e-03	-0.04	-0.57	9.73e-04	9.01e-06	0.0
28	54	-8.85e-03	0.04	-0.41	-9.85e-04	-9.01e-06	0.0
28	55	-0.01	-0.04	-0.57	9.73e-04	-5.64e-06	0.0
28	56	0.01	0.04	-0.41	-9.85e-04	5.64e-06	0.0
28	57	8.85e-03	-0.04	-0.57	9.73e-04	9.01e-06	0.0
28	58	-8.85e-03	0.04	-0.41	-9.85e-04	-9.01e-06	0.0
28	59	-0.01	-0.04	-0.57	9.73e-04	-5.64e-06	0.0
28	60	8.85e-03	0.04	-0.41	-9.85e-04	9.01e-06	0.0
28	61	0.01	-0.04	-0.57	9.73e-04	5.64e-06	0.0
28	62	-0.01	0.04	-0.41	-9.85e-04	-5.64e-06	0.0
28	63	-8.85e-03	-0.04	-0.57	9.73e-04	-9.01e-06	0.0
28	64	8.85e-03	0.04	-0.41	-9.85e-04	9.01e-06	0.0
28	65	0.01	-0.04	-0.57	9.73e-04	5.64e-06	0.0
28	66	-0.01	0.04	-0.41	-9.85e-04	-5.64e-06	0.0
28	67	-8.85e-03	-0.04	-0.57	9.73e-04	-9.01e-06	0.0
28	68	0.0	9.47e-03	-0.46	-4.36e-04	0.0	0.0
28	69	0.0	0.0	-0.49	-6.00e-06	0.0	0.0
28	70	0.0	0.0	-0.49	-6.00e-06	0.0	0.0
29	1	1.24e-06	0.07	-0.64	-3.24e-03	0.0	0.0
29	2	0.0	0.07	-0.49	-3.24e-03	0.0	0.0
29	3	0.0	0.05	-0.49	-2.16e-03	0.0	0.0
29	4	0.04	0.01	-0.49	-2.75e-04	2.69e-05	5.49e-06
29	5	0.04	-0.01	-0.49	2.75e-04	2.69e-05	-5.49e-06
29	6	-0.04	0.01	-0.49	-2.75e-04	-2.67e-05	5.49e-06
29	7	-0.04	-0.01	-0.49	2.75e-04	-2.67e-05	-5.49e-06
29	8	0.04	9.96e-03	-0.49	-2.74e-04	2.69e-05	-5.49e-06
29	9	0.04	-9.96e-03	-0.49	2.74e-04	2.69e-05	5.49e-06
29	10	-0.04	9.96e-03	-0.49	-2.74e-04	-2.67e-05	-5.49e-06
29	11	-0.04	-9.96e-03	-0.49	2.74e-04	-2.67e-05	5.49e-06
29	12	0.04	0.01	-0.49	-2.75e-04	2.69e-05	5.49e-06
29	13	0.04	-0.01	-0.49	2.75e-04	2.69e-05	-5.49e-06
29	14	-0.04	0.01	-0.49	-2.75e-04	-2.67e-05	5.49e-06
29	15	-0.04	-0.01	-0.49	2.75e-04	-2.67e-05	-5.49e-06
29	16	0.04	9.96e-03	-0.49	-2.74e-04	2.69e-05	-5.49e-06
29	17	0.04	-9.96e-03	-0.49	2.74e-04	2.69e-05	5.49e-06
29	18	-0.04	9.96e-03	-0.49	-2.74e-04	-2.67e-05	-5.49e-06
29	19	-0.04	-9.96e-03	-0.49	2.74e-04	-2.67e-05	5.49e-06
29	20	0.01	0.04	-0.49	-9.17e-04	8.12e-06	1.83e-05
29	21	0.01	-0.04	-0.49	9.17e-04	8.12e-06	-1.83e-05
29	22	-0.01	0.04	-0.49	-9.17e-04	-7.93e-06	1.83e-05
29	23	-0.01	-0.04	-0.49	9.17e-04	-7.93e-06	-1.83e-05
29	24	0.01	0.04	-0.49	-9.17e-04	8.12e-06	1.83e-05
29	25	0.01	-0.04	-0.49	9.17e-04	8.12e-06	-1.83e-05
29	26	-0.01	0.04	-0.49	-9.17e-04	-7.93e-06	1.83e-05
29	27	-0.01	-0.04	-0.49	9.17e-04	-7.93e-06	-1.83e-05
29	28	0.01	0.03	-0.49	-9.14e-04	8.12e-06	-1.83e-05
29	29	0.01	-0.03	-0.49	9.14e-04	8.12e-06	1.83e-05
29	30	-0.01	0.03	-0.49	-9.14e-04	-7.93e-06	-1.83e-05
29	31	-0.01	-0.03	-0.49	9.14e-04	-7.93e-06	1.83e-05
29	32	0.01	0.03	-0.49	-9.14e-04	8.12e-06	-1.83e-05
29	33	0.01	-0.03	-0.49	9.14e-04	8.12e-06	1.83e-05
29	34	-0.01	0.03	-0.49	-9.14e-04	-7.93e-06	-1.83e-05
29	35	-0.01	-0.03	-0.49	9.14e-04	-7.93e-06	1.83e-05
29	36	0.03	0.01	-0.49	-2.95e-04	2.45e-05	5.84e-06
29	37	0.03	-0.01	-0.49	2.95e-04	2.45e-05	-5.84e-06
29	38	-0.03	0.01	-0.49	-2.95e-04	-2.44e-05	5.84e-06
29	39	-0.03	-0.01	-0.49	2.95e-04	-2.44e-05	-5.84e-06
29	40	0.03	0.01	-0.49	-2.94e-04	2.45e-05	-5.84e-06
29	41	0.03	-0.01	-0.49	2.94e-04	2.45e-05	5.84e-06
29	42	-0.03	0.01	-0.49	-2.94e-04	-2.44e-05	-5.84e-06
29	43	-0.03	-0.01	-0.49	2.94e-04	-2.44e-05	5.84e-06
29	44	0.03	0.01	-0.49	-2.95e-04	2.45e-05	5.84e-06



29	45	0.03	-0.01	-0.49	2.95e-04	2.45e-05	-5.84e-06
29	46	-0.03	0.01	-0.49	-2.95e-04	-2.44e-05	5.84e-06
29	47	-0.03	-0.01	-0.49	2.95e-04	-2.44e-05	-5.84e-06
29	48	0.03	0.01	-0.49	-2.94e-04	2.45e-05	-5.84e-06
29	49	0.03	-0.01	-0.49	2.94e-04	2.45e-05	5.84e-06
29	50	-0.03	0.01	-0.49	-2.94e-04	-2.44e-05	-5.84e-06
29	51	-0.03	-0.01	-0.49	2.94e-04	-2.44e-05	5.84e-06
29	52	0.01	0.04	-0.49	-9.83e-04	7.43e-06	1.95e-05
29	53	0.01	-0.04	-0.49	9.83e-04	7.43e-06	-1.95e-05
29	54	-0.01	0.04	-0.49	-9.83e-04	-7.24e-06	1.95e-05
29	55	-0.01	-0.04	-0.49	9.83e-04	-7.24e-06	-1.95e-05
29	56	0.01	0.04	-0.49	-9.83e-04	7.43e-06	1.95e-05
29	57	0.01	-0.04	-0.49	9.83e-04	7.43e-06	-1.95e-05
29	58	-0.01	0.04	-0.49	-9.83e-04	-7.24e-06	1.95e-05
29	59	-0.01	-0.04	-0.49	9.83e-04	-7.24e-06	-1.95e-05
29	60	0.01	0.04	-0.49	-9.79e-04	7.43e-06	1.95e-05
29	61	0.01	-0.04	-0.49	9.79e-04	7.43e-06	1.95e-05
29	62	-0.01	0.04	-0.49	-9.79e-04	-7.24e-06	-1.95e-05
29	63	-0.01	-0.04	-0.49	9.79e-04	-7.24e-06	1.95e-05
29	64	0.01	0.04	-0.49	-9.79e-04	7.43e-06	-1.95e-05
29	65	0.01	-0.04	-0.49	9.79e-04	7.43e-06	1.95e-05
29	66	-0.01	0.04	-0.49	-9.79e-04	-7.24e-06	-1.95e-05
29	67	-0.01	-0.04	-0.49	9.79e-04	-7.24e-06	1.95e-05
29	68	0.0	9.47e-03	-0.49	-4.31e-04	0.0	0.0
29	69	0.0	0.0	-0.49	0.0	0.0	0.0
29	70	0.0	0.0	-0.49	0.0	0.0	0.0
30	1	-3.21e-06	0.07	-0.38	-3.24e-03	0.0	0.0
30	2	-3.56e-06	0.07	-0.23	-3.23e-03	0.0	0.0
30	3	-1.99e-06	0.05	-0.32	-2.16e-03	0.0	0.0
30	4	0.04	0.01	-0.47	-2.81e-04	2.64e-05	0.0
30	5	0.04	-0.01	-0.52	2.69e-04	2.73e-05	0.0
30	6	-0.04	0.01	-0.47	-2.81e-04	-2.71e-05	0.0
30	7	-0.04	-0.01	-0.51	2.69e-04	-2.62e-05	0.0
30	8	0.04	9.96e-03	-0.47	-2.80e-04	2.73e-05	0.0
30	9	0.04	-9.96e-03	-0.52	2.67e-04	2.64e-05	0.0
30	10	-0.04	9.96e-03	-0.47	-2.79e-04	-2.62e-05	0.0
30	11	-0.04	-9.96e-03	-0.51	2.68e-04	-2.71e-05	0.0
30	12	0.04	0.01	-0.47	-2.81e-04	2.64e-05	0.0
30	13	0.04	-0.01	-0.52	2.69e-04	2.73e-05	0.0
30	14	-0.04	0.01	-0.47	-2.81e-04	-2.71e-05	0.0
30	15	-0.04	-0.01	-0.51	2.69e-04	-2.62e-05	0.0
30	16	0.04	9.96e-03	-0.47	-2.80e-04	2.73e-05	0.0
30	17	0.04	-9.96e-03	-0.52	2.67e-04	2.64e-05	0.0
30	18	-0.04	9.96e-03	-0.47	-2.79e-04	-2.62e-05	0.0
30	19	-0.04	-9.96e-03	-0.51	2.68e-04	-2.71e-05	0.0
30	20	0.01	0.04	-0.42	-9.21e-04	6.54e-06	0.0
30	21	9.67e-03	-0.04	-0.57	9.09e-04	9.69e-06	0.0
30	22	-9.67e-03	0.04	-0.42	-9.21e-04	-9.50e-06	0.0
30	23	-0.01	-0.04	-0.56	9.09e-04	-6.36e-06	0.0
30	24	0.01	0.04	-0.42	-9.21e-04	6.54e-06	0.0
30	25	9.67e-03	-0.04	-0.57	9.09e-04	9.69e-06	0.0
30	26	-9.67e-03	0.04	-0.42	-9.21e-04	-9.50e-06	0.0
30	27	-0.01	-0.04	-0.56	9.09e-04	-6.36e-06	0.0
30	28	9.67e-03	0.03	-0.42	-9.18e-04	9.67e-06	0.0
30	29	0.01	-0.03	-0.57	9.06e-04	6.56e-06	0.0
30	30	-0.01	0.03	-0.42	-9.18e-04	-6.37e-06	0.0
30	31	-9.67e-03	-0.03	-0.56	9.06e-04	-9.49e-06	0.0
30	32	9.67e-03	0.03	-0.42	-9.18e-04	9.67e-06	0.0
30	33	0.01	-0.03	-0.57	9.06e-04	6.56e-06	0.0
30	34	-0.01	0.03	-0.42	-9.18e-04	-6.37e-06	0.0
30	35	-9.67e-03	-0.03	-0.56	9.06e-04	-9.49e-06	0.0
30	36	0.03	0.01	-0.47	-3.00e-04	2.40e-05	0.0
30	37	0.03	-0.01	-0.52	2.88e-04	2.50e-05	0.0
30	38	-0.03	0.01	-0.47	-3.00e-04	-2.48e-05	0.0
30	39	-0.03	-0.01	-0.51	2.88e-04	-2.38e-05	0.0
30	40	0.03	0.01	-0.47	-2.99e-04	2.50e-05	0.0
30	41	0.03	-0.01	-0.52	2.87e-04	2.40e-05	0.0
30	42	-0.03	0.01	-0.47	-2.99e-04	-2.38e-05	0.0
30	43	-0.03	-0.01	-0.51	2.87e-04	-2.48e-05	0.0
30	44	0.03	0.01	-0.47	-3.00e-04	2.40e-05	0.0
30	45	0.03	-0.01	-0.52	2.88e-04	2.50e-05	0.0
30	46	-0.03	0.01	-0.47	-3.00e-04	-2.48e-05	0.0
30	47	-0.03	-0.01	-0.51	2.88e-04	-2.38e-05	0.0
30	48	0.03	0.01	-0.47	-2.99e-04	2.50e-05	0.0
30	49	0.03	-0.01	-0.52	2.87e-04	2.40e-05	0.0

30	50	-0.03	0.01	-0.47	-2.99e-04	-2.38e-05	0.0
30	51	-0.03	-0.01	-0.51	2.87e-04	-2.48e-05	0.0
30	52	0.01	0.04	-0.41	-9.87e-04	5.74e-06	0.0
30	53	8.85e-03	-0.04	-0.57	9.75e-04	9.10e-06	0.0
30	54	-8.84e-03	0.04	-0.41	-9.87e-04	-8.92e-06	0.0
30	55	-0.01	-0.04	-0.57	9.75e-04	-5.56e-06	0.0
30	56	0.01	0.04	-0.41	-9.87e-04	5.74e-06	0.0
30	57	8.85e-03	-0.04	-0.57	9.75e-04	9.10e-06	0.0
30	58	-8.84e-03	0.04	-0.41	-9.87e-04	-8.92e-06	0.0
30	59	-0.01	-0.04	-0.57	9.75e-04	-5.56e-06	0.0
30	60	8.85e-03	0.04	-0.41	-9.83e-04	9.09e-06	0.0
30	61	0.01	-0.04	-0.57	9.71e-04	5.76e-06	0.0
30	62	-0.01	0.04	-0.41	-9.83e-04	-5.58e-06	0.0
30	63	-8.84e-03	-0.04	-0.57	9.71e-04	-8.90e-06	0.0
30	64	8.85e-03	0.04	-0.41	-9.83e-04	9.09e-06	0.0
30	65	0.01	-0.04	-0.57	9.71e-04	5.76e-06	0.0
30	66	-0.01	0.04	-0.41	-9.83e-04	-5.58e-06	0.0
30	67	-8.84e-03	-0.04	-0.57	9.71e-04	-8.90e-06	0.0
30	68	0.0	9.47e-03	-0.46	-4.36e-04	0.0	0.0
30	69	1.16e-06	0.0	-0.49	-6.00e-06	0.0	0.0
30	70	1.16e-06	0.0	-0.49	-6.00e-06	0.0	0.0
31	1	3.01e-06	0.07	-0.64	-3.24e-03	0.0	0.0
31	2	2.32e-06	0.07	-0.49	-3.24e-03	0.0	0.0
31	3	2.32e-06	0.05	-0.49	-2.16e-03	0.0	0.0
31	4	0.04	0.01	-0.50	-2.76e-04	2.70e-05	5.50e-06
31	5	0.04	-0.01	-0.50	2.76e-04	2.70e-05	-5.50e-06
31	6	-0.04	0.01	-0.49	-2.76e-04	-2.67e-05	5.50e-06
31	7	-0.04	-0.01	-0.49	2.76e-04	-2.67e-05	-5.50e-06
31	8	0.04	9.57e-03	-0.50	-2.74e-04	2.70e-05	-5.47e-06
31	9	0.04	-9.57e-03	-0.50	2.74e-04	2.70e-05	5.47e-06
31	10	-0.04	9.57e-03	-0.49	-2.74e-04	-2.67e-05	-5.47e-06
31	11	-0.04	-9.57e-03	-0.49	2.74e-04	-2.67e-05	5.47e-06
31	12	0.04	0.01	-0.50	-2.76e-04	2.70e-05	5.50e-06
31	13	0.04	-0.01	-0.50	2.76e-04	2.70e-05	-5.50e-06
31	14	-0.04	0.01	-0.49	-2.76e-04	-2.67e-05	5.50e-06
31	15	-0.04	-0.01	-0.49	2.76e-04	-2.67e-05	-5.50e-06
31	16	0.04	9.57e-03	-0.50	-2.74e-04	2.70e-05	-5.47e-06
31	17	0.04	-9.57e-03	-0.50	2.74e-04	2.70e-05	5.47e-06
31	18	-0.04	9.57e-03	-0.49	-2.74e-04	-2.67e-05	-5.47e-06
31	19	-0.04	-9.57e-03	-0.49	2.74e-04	-2.67e-05	5.47e-06
31	20	0.01	0.04	-0.49	-9.19e-04	8.22e-06	1.83e-05
31	21	0.01	-0.04	-0.49	9.19e-04	8.22e-06	-1.83e-05
31	22	-0.01	0.04	-0.49	-9.19e-04	-7.88e-06	1.83e-05
31	23	-0.01	-0.04	-0.49	9.19e-04	-7.88e-06	-1.83e-05
31	24	0.01	0.04	-0.49	-9.19e-04	8.22e-06	1.83e-05
31	25	0.01	-0.04	-0.49	9.19e-04	8.22e-06	-1.83e-05
31	26	-0.01	0.04	-0.49	-9.19e-04	-7.88e-06	1.83e-05
31	27	-0.01	-0.04	-0.49	9.19e-04	-7.88e-06	-1.83e-05
31	28	0.01	0.03	-0.49	-9.12e-04	8.22e-06	-1.82e-05
31	29	0.01	-0.03	-0.49	9.12e-04	8.22e-06	1.82e-05
31	30	-0.01	0.03	-0.49	-9.12e-04	-7.88e-06	-1.82e-05
31	31	-0.01	-0.03	-0.49	9.12e-04	-7.88e-06	1.82e-05
31	32	0.01	0.03	-0.49	-9.12e-04	8.22e-06	-1.82e-05
31	33	0.01	-0.03	-0.49	9.12e-04	8.22e-06	1.82e-05
31	34	-0.01	0.03	-0.49	-9.12e-04	-7.88e-06	-1.82e-05
31	35	-0.01	-0.03	-0.49	9.12e-04	-7.88e-06	1.82e-05
31	36	0.03	0.01	-0.50	-2.96e-04	2.47e-05	5.84e-06
31	37	0.03	-0.01	-0.50	2.96e-04	2.47e-05	-5.84e-06
31	38	-0.03	0.01	-0.49	-2.96e-04	-2.43e-05	5.84e-06
31	39	-0.03	-0.01	-0.49	2.96e-04	-2.43e-05	-5.84e-06
31	40	0.03	0.01	-0.50	-2.93e-04	2.47e-05	-5.82e-06
31	41	0.03	-0.01	-0.50	2.93e-04	2.47e-05	5.82e-06
31	42	-0.03	0.01	-0.49	-2.93e-04	-2.43e-05	-5.82e-06
31	43	-0.03	-0.01	-0.49	2.93e-04	-2.43e-05	5.82e-06
31	44	0.03	0.01	-0.50	-2.96e-04	2.47e-05	5.84e-06
31	45	0.03	-0.01	-0.50	2.96e-04	2.47e-05	-5.84e-06
31	46	-0.03	0.01	-0.49	-2.96e-04	-2.43e-05	5.84e-06
31	47	-0.03	-0.01	-0.49	2.96e-04	-2.43e-05	-5.84e-06
31	48	0.03	0.01	-0.50	-2.93e-04	2.47e-05	-5.82e-06
31	49	0.03	-0.01	-0.50	2.93e-04	2.47e-05	5.82e-06
31	50	-0.03	0.01	-0.49	-2.93e-04	-2.43e-05	-5.82e-06
31	51	-0.03	-0.01	-0.49	2.93e-04	-2.43e-05	5.82e-06
31	52	0.01	0.04	-0.49	-9.85e-04	7.52e-06	1.95e-05
31	53	0.01	-0.04	-0.49	9.85e-04	7.52e-06	-1.95e-05
31	54	-0.01	0.04	-0.49	-9.85e-04	-7.19e-06	1.95e-05

31	55	-0.01	-0.04	-0.49	9.85e-04	-7.19e-06	-1.95e-05
31	56	0.01	0.04	-0.49	-9.85e-04	7.52e-06	1.95e-05
31	57	0.01	-0.04	-0.49	9.85e-04	7.52e-06	-1.95e-05
31	58	-0.01	0.04	-0.49	-9.85e-04	-7.19e-06	1.95e-05
31	59	-0.01	-0.04	-0.49	9.85e-04	-7.19e-06	-1.95e-05
31	60	0.01	0.03	-0.49	-9.77e-04	7.52e-06	-1.94e-05
31	61	0.01	-0.03	-0.49	9.77e-04	7.52e-06	1.94e-05
31	62	-0.01	0.03	-0.49	-9.77e-04	-7.19e-06	-1.94e-05
31	63	-0.01	-0.03	-0.49	9.77e-04	-7.19e-06	1.94e-05
31	64	0.01	0.03	-0.49	-9.77e-04	7.52e-06	-1.94e-05
31	65	0.01	-0.03	-0.49	9.77e-04	7.52e-06	1.94e-05
31	66	-0.01	0.03	-0.49	-9.77e-04	-7.19e-06	-1.94e-05
31	67	-0.01	-0.03	-0.49	9.77e-04	-7.19e-06	1.94e-05
31	68	2.32e-06	9.47e-03	-0.49	-4.31e-04	0.0	0.0
31	69	2.32e-06	0.0	-0.49	0.0	0.0	0.0
31	70	2.32e-06	0.0	-0.49	0.0	0.0	0.0
32	1	-5.08e-06	0.07	-0.38	-3.24e-03	0.0	0.0
32	2	-5.78e-06	0.07	-0.23	-3.23e-03	0.0	0.0
32	3	-3.07e-06	0.05	-0.32	-2.16e-03	0.0	0.0
32	4	0.04	0.01	-0.47	-2.81e-04	2.65e-05	0.0
32	5	0.04	-0.01	-0.52	2.69e-04	2.74e-05	0.0
32	6	-0.04	0.01	-0.47	-2.81e-04	-2.71e-05	0.0
32	7	-0.04	-0.01	-0.51	2.69e-04	-2.62e-05	0.0
32	8	0.04	9.57e-03	-0.47	-2.79e-04	2.74e-05	0.0
32	9	0.04	-9.57e-03	-0.52	2.67e-04	2.65e-05	0.0
32	10	-0.04	9.57e-03	-0.47	-2.79e-04	-2.62e-05	0.0
32	11	-0.04	-9.57e-03	-0.51	2.67e-04	-2.71e-05	0.0
32	12	0.04	0.01	-0.47	-2.81e-04	2.65e-05	0.0
32	13	0.04	-0.01	-0.52	2.69e-04	2.74e-05	0.0
32	14	-0.04	0.01	-0.47	-2.81e-04	-2.71e-05	0.0
32	15	-0.04	-0.01	-0.51	2.69e-04	-2.62e-05	0.0
32	16	0.04	9.57e-03	-0.47	-2.79e-04	2.74e-05	0.0
32	17	0.04	-9.57e-03	-0.52	2.67e-04	2.65e-05	0.0
32	18	-0.04	9.57e-03	-0.47	-2.79e-04	-2.62e-05	0.0
32	19	-0.04	-9.57e-03	-0.51	2.67e-04	-2.71e-05	0.0
32	20	0.01	0.04	-0.42	-9.23e-04	6.67e-06	0.0
32	21	9.67e-03	-0.04	-0.57	9.11e-04	9.75e-06	0.0
32	22	-9.66e-03	0.04	-0.42	-9.23e-04	-9.41e-06	0.0
32	23	-0.01	-0.04	-0.56	9.11e-04	-6.33e-06	0.0
32	24	0.01	0.04	-0.42	-9.23e-04	6.67e-06	0.0
32	25	9.67e-03	-0.04	-0.57	9.11e-04	9.75e-06	0.0
32	26	-9.66e-03	0.04	-0.42	-9.23e-04	-9.41e-06	0.0
32	27	-0.01	-0.04	-0.56	9.11e-04	-6.33e-06	0.0
32	28	9.67e-03	0.03	-0.42	-9.16e-04	9.71e-06	0.0
32	29	0.01	-0.03	-0.57	9.04e-04	6.72e-06	0.0
32	30	-0.01	0.03	-0.42	-9.16e-04	-6.38e-06	0.0
32	31	-9.67e-03	-0.03	-0.56	9.04e-04	-9.37e-06	0.0
32	32	9.67e-03	0.03	-0.42	-9.16e-04	9.71e-06	0.0
32	33	0.01	-0.03	-0.57	9.04e-04	6.72e-06	0.0
32	34	-0.01	0.03	-0.42	-9.16e-04	-6.38e-06	0.0
32	35	-9.67e-03	-0.03	-0.56	9.04e-04	-9.37e-06	0.0
32	36	0.03	0.01	-0.47	-3.01e-04	2.42e-05	0.0
32	37	0.03	-0.01	-0.52	2.89e-04	2.52e-05	0.0
32	38	-0.03	0.01	-0.46	-3.01e-04	-2.48e-05	0.0
32	39	-0.03	-0.01	-0.51	2.89e-04	-2.38e-05	0.0
32	40	0.03	0.01	-0.47	-2.99e-04	2.51e-05	0.0
32	41	0.03	-0.01	-0.52	2.86e-04	2.42e-05	0.0
32	42	-0.03	0.01	-0.46	-2.98e-04	-2.38e-05	0.0
32	43	-0.03	-0.01	-0.51	2.87e-04	-2.48e-05	0.0
32	44	0.03	0.01	-0.47	-3.01e-04	2.42e-05	0.0
32	45	0.03	-0.01	-0.52	2.89e-04	2.52e-05	0.0
32	46	-0.03	0.01	-0.46	-3.01e-04	-2.48e-05	0.0
32	47	-0.03	-0.01	-0.51	2.89e-04	-2.38e-05	0.0
32	48	0.03	0.01	-0.47	-2.99e-04	2.51e-05	0.0
32	49	0.03	-0.01	-0.52	2.86e-04	2.42e-05	0.0
32	50	-0.03	0.01	-0.46	-2.98e-04	-2.38e-05	0.0
32	51	-0.03	-0.01	-0.51	2.87e-04	-2.48e-05	0.0
32	52	0.01	0.04	-0.41	-9.89e-04	5.87e-06	0.0
32	53	8.84e-03	-0.04	-0.57	9.77e-04	9.16e-06	0.0
32	54	-8.84e-03	0.04	-0.41	-9.89e-04	-8.82e-06	0.0
32	55	-0.01	-0.04	-0.57	9.77e-04	-5.54e-06	0.0
32	56	0.01	0.04	-0.41	-9.89e-04	5.87e-06	0.0
32	57	8.84e-03	-0.04	-0.57	9.77e-04	9.16e-06	0.0
32	58	-8.84e-03	0.04	-0.41	-9.89e-04	-8.82e-06	0.0
32	59	-0.01	-0.04	-0.57	9.77e-04	-5.54e-06	0.0

32	60	8.85e-03	0.03	-0.41	-9.81e-04	9.11e-06	0.0
32	61	0.01	-0.03	-0.57	9.69e-04	5.92e-06	0.0
32	62	-0.01	0.03	-0.41	-9.81e-04	-5.58e-06	0.0
32	63	-8.84e-03	-0.03	-0.57	9.69e-04	-8.78e-06	0.0
32	64	8.85e-03	0.03	-0.41	-9.81e-04	9.11e-06	0.0
32	65	0.01	-0.03	-0.57	9.69e-04	5.92e-06	0.0
32	66	-0.01	0.03	-0.41	-9.81e-04	-5.58e-06	0.0
32	67	-8.84e-03	-0.03	-0.57	9.69e-04	-8.78e-06	0.0
32	68	1.25e-06	9.47e-03	-0.46	-4.36e-04	0.0	0.0
32	69	2.33e-06	0.0	-0.49	-6.00e-06	0.0	0.0
32	70	2.33e-06	0.0	-0.49	-6.00e-06	0.0	0.0
33	1	4.78e-06	0.07	-0.64	-3.24e-03	0.0	0.0
33	2	3.68e-06	0.07	-0.49	-3.24e-03	0.0	0.0
33	3	3.68e-06	0.05	-0.49	-2.16e-03	0.0	0.0
33	4	0.04	0.01	-0.50	-2.76e-04	2.72e-05	5.51e-06
33	5	0.04	-0.01	-0.50	2.76e-04	2.72e-05	-5.51e-06
33	6	-0.04	0.01	-0.49	-2.76e-04	-2.67e-05	5.51e-06
33	7	-0.04	-0.01	-0.49	2.76e-04	-2.67e-05	-5.51e-06
33	8	0.04	9.18e-03	-0.50	-2.73e-04	2.72e-05	-5.46e-06
33	9	0.04	-9.18e-03	-0.50	2.73e-04	2.72e-05	5.46e-06
33	10	-0.04	9.18e-03	-0.49	-2.73e-04	-2.67e-05	-5.46e-06
33	11	-0.04	-9.18e-03	-0.49	2.73e-04	-2.67e-05	5.46e-06
33	12	0.04	0.01	-0.50	-2.76e-04	2.72e-05	5.51e-06
33	13	0.04	-0.01	-0.50	2.76e-04	2.72e-05	-5.51e-06
33	14	-0.04	0.01	-0.49	-2.76e-04	-2.67e-05	5.51e-06
33	15	-0.04	-0.01	-0.49	2.76e-04	-2.67e-05	-5.51e-06
33	16	0.04	9.18e-03	-0.50	-2.73e-04	2.72e-05	-5.46e-06
33	17	0.04	-9.18e-03	-0.50	2.73e-04	2.72e-05	5.46e-06
33	18	-0.04	9.18e-03	-0.49	-2.73e-04	-2.67e-05	-5.46e-06
33	19	-0.04	-9.18e-03	-0.49	2.73e-04	-2.67e-05	5.46e-06
33	20	0.01	0.04	-0.49	-9.21e-04	8.32e-06	1.84e-05
33	21	0.01	-0.04	-0.49	9.21e-04	8.32e-06	-1.84e-05
33	22	-0.01	0.04	-0.49	-9.21e-04	-7.83e-06	1.84e-05
33	23	-0.01	-0.04	-0.49	9.21e-04	-7.83e-06	-1.84e-05
33	24	0.01	0.04	-0.49	-9.21e-04	8.32e-06	1.84e-05
33	25	0.01	-0.04	-0.49	9.21e-04	8.32e-06	-1.84e-05
33	26	-0.01	0.04	-0.49	-9.21e-04	-7.83e-06	1.84e-05
33	27	-0.01	-0.04	-0.49	9.21e-04	-7.83e-06	-1.84e-05
33	28	0.01	0.03	-0.49	-9.10e-04	8.32e-06	-1.82e-05
33	29	0.01	-0.03	-0.49	9.10e-04	8.32e-06	1.82e-05
33	30	-0.01	0.03	-0.49	-9.10e-04	-7.83e-06	-1.82e-05
33	31	-0.01	-0.03	-0.49	9.10e-04	-7.83e-06	1.82e-05
33	32	0.01	0.03	-0.49	-9.10e-04	8.32e-06	-1.82e-05
33	33	0.01	-0.03	-0.49	9.10e-04	8.32e-06	1.82e-05
33	34	-0.01	0.03	-0.49	-9.10e-04	-7.83e-06	-1.82e-05
33	35	-0.01	-0.03	-0.49	9.10e-04	-7.83e-06	1.82e-05
33	36	0.03	0.01	-0.50	-2.96e-04	2.48e-05	5.85e-06
33	37	0.03	-0.01	-0.50	2.96e-04	2.48e-05	-5.85e-06
33	38	-0.03	0.01	-0.49	-2.96e-04	-2.44e-05	5.85e-06
33	39	-0.03	-0.01	-0.49	2.96e-04	-2.44e-05	-5.85e-06
33	40	0.03	9.81e-03	-0.50	-2.93e-04	2.48e-05	-5.81e-06
33	41	0.03	-9.81e-03	-0.50	2.93e-04	2.48e-05	5.81e-06
33	42	-0.03	9.81e-03	-0.49	-2.93e-04	-2.44e-05	-5.81e-06
33	43	-0.03	-9.81e-03	-0.49	2.93e-04	-2.44e-05	5.81e-06
33	44	0.03	0.01	-0.50	-2.96e-04	2.48e-05	5.85e-06
33	45	0.03	-0.01	-0.50	2.96e-04	2.48e-05	-5.85e-06
33	46	-0.03	0.01	-0.49	-2.96e-04	-2.44e-05	5.85e-06
33	47	-0.03	-0.01	-0.49	2.96e-04	-2.44e-05	-5.85e-06
33	48	0.03	9.81e-03	-0.50	-2.93e-04	2.48e-05	-5.81e-06
33	49	0.03	-9.81e-03	-0.50	2.93e-04	2.48e-05	5.81e-06
33	50	-0.03	9.81e-03	-0.49	-2.93e-04	-2.44e-05	-5.81e-06
33	51	-0.03	-9.81e-03	-0.49	2.93e-04	-2.44e-05	5.81e-06
33	52	0.01	0.04	-0.49	-9.87e-04	7.62e-06	1.95e-05
33	53	0.01	-0.04	-0.49	9.87e-04	7.62e-06	-1.95e-05
33	54	-0.01	0.04	-0.49	-9.87e-04	-7.14e-06	1.95e-05
33	55	-0.01	-0.04	-0.49	9.87e-04	-7.14e-06	-1.95e-05
33	56	0.01	0.04	-0.49	-9.87e-04	7.62e-06	1.95e-05
33	57	0.01	-0.04	-0.49	9.87e-04	7.62e-06	-1.95e-05
33	58	-0.01	0.04	-0.49	-9.87e-04	-7.14e-06	1.95e-05
33	59	-0.01	-0.04	-0.49	9.87e-04	-7.14e-06	-1.95e-05
33	60	0.01	0.03	-0.49	-9.75e-04	7.62e-06	-1.94e-05
33	61	0.01	-0.03	-0.49	9.75e-04	7.62e-06	1.94e-05
33	62	-0.01	0.03	-0.49	-9.75e-04	-7.14e-06	-1.94e-05
33	63	-0.01	-0.03	-0.49	9.75e-04	-7.14e-06	1.94e-05
33	64	0.01	0.03	-0.49	-9.75e-04	7.62e-06	-1.94e-05

33	65	0.01	-0.03	-0.49	9.75e-04	7.62e-06	1.94e-05
33	66	-0.01	0.03	-0.49	-9.75e-04	-7.14e-06	-1.94e-05
33	67	-0.01	-0.03	-0.49	9.75e-04	-7.14e-06	1.94e-05
33	68	3.68e-06	9.47e-03	-0.49	-4.31e-04	0.0	0.0
33	69	3.68e-06	0.0	-0.49	0.0	0.0	0.0
33	70	3.68e-06	0.0	-0.49	0.0	0.0	0.0
34	1	-6.54e-06	0.07	-0.38	-3.24e-03	0.0	0.0
34	2	-7.60e-06	0.07	-0.23	-3.23e-03	0.0	0.0
34	3	-3.89e-06	0.05	-0.32	-2.16e-03	0.0	0.0
34	4	0.04	0.01	-0.48	-2.82e-04	2.67e-05	0.0
34	5	0.04	-0.01	-0.52	2.70e-04	2.76e-05	0.0
34	6	-0.04	0.01	-0.46	-2.82e-04	-2.71e-05	0.0
34	7	-0.04	-0.01	-0.51	2.70e-04	-2.62e-05	0.0
34	8	0.04	9.18e-03	-0.48	-2.79e-04	2.76e-05	0.0
34	9	0.04	-9.18e-03	-0.52	2.66e-04	2.67e-05	0.0
34	10	-0.04	9.18e-03	-0.46	-2.78e-04	-2.62e-05	0.0
34	11	-0.04	-9.18e-03	-0.51	2.67e-04	-2.71e-05	0.0
34	12	0.04	0.01	-0.48	-2.82e-04	2.67e-05	0.0
34	13	0.04	-0.01	-0.52	2.70e-04	2.76e-05	0.0
34	14	-0.04	0.01	-0.46	-2.82e-04	-2.71e-05	0.0
34	15	-0.04	-0.01	-0.51	2.70e-04	-2.62e-05	0.0
34	16	0.04	9.18e-03	-0.48	-2.79e-04	2.76e-05	0.0
34	17	0.04	-9.18e-03	-0.52	2.66e-04	2.67e-05	0.0
34	18	-0.04	9.18e-03	-0.46	-2.78e-04	-2.62e-05	0.0
34	19	-0.04	-9.18e-03	-0.51	2.67e-04	-2.71e-05	0.0
34	20	0.01	0.04	-0.42	-9.25e-04	6.84e-06	0.0
34	21	9.67e-03	-0.04	-0.57	9.13e-04	9.79e-06	0.0
34	22	-9.66e-03	0.04	-0.42	-9.25e-04	-9.30e-06	0.0
34	23	-0.01	-0.04	-0.56	9.13e-04	-6.35e-06	0.0
34	24	0.01	0.04	-0.42	-9.25e-04	6.84e-06	0.0
34	25	9.67e-03	-0.04	-0.57	9.13e-04	9.79e-06	0.0
34	26	-9.66e-03	0.04	-0.42	-9.25e-04	-9.30e-06	0.0
34	27	-0.01	-0.04	-0.56	9.13e-04	-6.35e-06	0.0
34	28	9.67e-03	0.03	-0.42	-9.14e-04	9.72e-06	0.0
34	29	0.01	-0.03	-0.57	9.02e-04	6.92e-06	0.0
34	30	-0.01	0.03	-0.42	-9.14e-04	-6.42e-06	0.0
34	31	-9.67e-03	-0.03	-0.56	9.02e-04	-9.22e-06	0.0
34	32	9.67e-03	0.03	-0.42	-9.14e-04	9.72e-06	0.0
34	33	0.01	-0.03	-0.57	9.02e-04	6.92e-06	0.0
34	34	-0.01	0.03	-0.42	-9.14e-04	-6.42e-06	0.0
34	35	-9.67e-03	-0.03	-0.56	9.02e-04	-9.22e-06	0.0
34	36	0.03	0.01	-0.47	-3.02e-04	2.44e-05	0.0
34	37	0.03	-0.01	-0.52	2.89e-04	2.53e-05	0.0
34	38	-0.03	0.01	-0.46	-3.01e-04	-2.48e-05	0.0
34	39	-0.03	-0.01	-0.51	2.90e-04	-2.39e-05	0.0
34	40	0.03	9.81e-03	-0.47	-2.98e-04	2.53e-05	0.0
34	41	0.03	-9.81e-03	-0.52	2.86e-04	2.44e-05	0.0
34	42	-0.03	9.81e-03	-0.46	-2.98e-04	-2.39e-05	0.0
34	43	-0.03	-9.80e-03	-0.51	2.86e-04	-2.48e-05	0.0
34	44	0.03	0.01	-0.47	-3.02e-04	2.44e-05	0.0
34	45	0.03	-0.01	-0.52	2.89e-04	2.53e-05	0.0
34	46	-0.03	0.01	-0.46	-3.01e-04	-2.48e-05	0.0
34	47	-0.03	-0.01	-0.51	2.90e-04	-2.39e-05	0.0
34	48	0.03	9.81e-03	-0.47	-2.98e-04	2.53e-05	0.0
34	49	0.03	-9.81e-03	-0.52	2.86e-04	2.44e-05	0.0
34	50	-0.03	9.81e-03	-0.46	-2.98e-04	-2.39e-05	0.0
34	51	-0.03	-9.80e-03	-0.51	2.86e-04	-2.48e-05	0.0
34	52	0.01	0.04	-0.41	-9.91e-04	6.05e-06	0.0
34	53	8.84e-03	-0.04	-0.57	9.79e-04	9.20e-06	0.0
34	54	-8.84e-03	0.04	-0.41	-9.91e-04	-8.71e-06	0.0
34	55	-0.01	-0.04	-0.57	9.79e-04	-5.55e-06	0.0
34	56	0.01	0.04	-0.41	-9.91e-04	6.05e-06	0.0
34	57	8.84e-03	-0.04	-0.57	9.79e-04	9.20e-06	0.0
34	58	-8.84e-03	0.04	-0.41	-9.91e-04	-8.71e-06	0.0
34	59	-0.01	-0.04	-0.57	9.79e-04	-5.55e-06	0.0
34	60	8.85e-03	0.03	-0.42	-9.80e-04	9.12e-06	0.0
34	61	0.01	-0.03	-0.57	9.67e-04	6.13e-06	0.0
34	62	-0.01	0.03	-0.41	-9.80e-04	-5.64e-06	0.0
34	63	-8.84e-03	-0.03	-0.57	9.68e-04	-8.62e-06	0.0
34	64	8.85e-03	0.03	-0.42	-9.80e-04	9.12e-06	0.0
34	65	0.01	-0.03	-0.57	9.67e-04	6.13e-06	0.0
34	66	-0.01	0.03	-0.41	-9.80e-04	-5.64e-06	0.0
34	67	-8.84e-03	-0.03	-0.57	9.68e-04	-8.62e-06	0.0
34	68	2.04e-06	9.47e-03	-0.46	-4.36e-04	0.0	0.0
34	69	3.52e-06	0.0	-0.49	-6.00e-06	0.0	0.0

34	70	3.52e-06	0.0	-0.49	-6.00e-06	0.0	0.0
35	1	6.06e-06	0.07	-0.64	-3.24e-03	0.0	0.0
35	2	4.66e-06	0.07	-0.49	-3.24e-03	0.0	0.0
35	3	4.66e-06	0.05	-0.49	-2.16e-03	0.0	0.0
35	4	0.04	0.01	-0.50	-2.77e-04	2.74e-05	5.50e-06
35	5	0.04	-0.01	-0.50	2.77e-04	2.74e-05	-5.50e-06
35	6	-0.04	0.01	-0.48	-2.77e-04	-2.67e-05	5.50e-06
35	7	-0.04	-0.01	-0.48	2.77e-04	-2.67e-05	-5.50e-06
35	8	0.04	8.79e-03	-0.50	-2.73e-04	2.74e-05	-5.45e-06
35	9	0.04	-8.79e-03	-0.50	2.73e-04	2.74e-05	5.45e-06
35	10	-0.04	8.79e-03	-0.48	-2.73e-04	-2.67e-05	-5.45e-06
35	11	-0.04	-8.79e-03	-0.48	2.73e-04	-2.67e-05	5.45e-06
35	12	0.04	0.01	-0.50	-2.77e-04	2.74e-05	5.50e-06
35	13	0.04	-0.01	-0.50	2.77e-04	2.74e-05	-5.50e-06
35	14	-0.04	0.01	-0.48	-2.77e-04	-2.67e-05	5.50e-06
35	15	-0.04	-0.01	-0.48	2.77e-04	-2.67e-05	-5.50e-06
35	16	0.04	8.79e-03	-0.50	-2.73e-04	2.74e-05	-5.45e-06
35	17	0.04	-8.79e-03	-0.50	2.73e-04	2.74e-05	5.45e-06
35	18	-0.04	8.79e-03	-0.48	-2.73e-04	-2.67e-05	-5.45e-06
35	19	-0.04	-8.79e-03	-0.48	2.73e-04	-2.67e-05	5.45e-06
35	20	0.01	0.04	-0.49	-9.23e-04	8.45e-06	1.83e-05
35	21	0.01	-0.04	-0.49	9.23e-04	8.45e-06	-1.83e-05
35	22	-0.01	0.04	-0.49	-9.23e-04	-7.77e-06	1.83e-05
35	23	-0.01	-0.04	-0.49	9.23e-04	-7.77e-06	-1.83e-05
35	24	0.01	0.04	-0.49	-9.23e-04	8.45e-06	1.83e-05
35	25	0.01	-0.04	-0.49	9.23e-04	8.45e-06	-1.83e-05
35	26	-0.01	0.04	-0.49	-9.23e-04	-7.77e-06	1.83e-05
35	27	-0.01	-0.04	-0.49	9.23e-04	-7.77e-06	-1.83e-05
35	28	0.01	0.03	-0.49	-9.09e-04	8.45e-06	1.82e-05
35	29	0.01	-0.03	-0.49	9.09e-04	8.45e-06	-1.82e-05
35	30	-0.01	0.03	-0.49	-9.09e-04	-7.77e-06	1.82e-05
35	31	-0.01	-0.03	-0.49	9.09e-04	-7.77e-06	-1.82e-05
35	32	0.01	0.03	-0.49	-9.09e-04	8.45e-06	1.82e-05
35	33	0.01	-0.03	-0.49	9.09e-04	8.45e-06	-1.82e-05
35	34	-0.01	0.03	-0.49	-9.09e-04	-7.77e-06	1.82e-05
35	35	-0.01	-0.03	-0.49	9.09e-04	-7.77e-06	-1.82e-05
35	36	0.03	0.01	-0.50	-2.97e-04	2.51e-05	5.84e-06
35	37	0.03	-0.01	-0.50	2.97e-04	2.51e-05	-5.84e-06
35	38	-0.03	0.01	-0.48	-2.97e-04	-2.44e-05	5.84e-06
35	39	-0.03	-0.01	-0.48	2.97e-04	-2.44e-05	-5.84e-06
35	40	0.03	9.39e-03	-0.50	-2.92e-04	2.51e-05	-5.80e-06
35	41	0.03	-9.39e-03	-0.50	2.92e-04	2.51e-05	5.80e-06
35	42	-0.03	9.39e-03	-0.48	-2.92e-04	-2.44e-05	-5.80e-06
35	43	-0.03	-9.39e-03	-0.48	2.92e-04	-2.44e-05	5.80e-06
35	44	0.03	0.01	-0.50	-2.97e-04	2.51e-05	5.84e-06
35	45	0.03	-0.01	-0.50	2.97e-04	2.51e-05	-5.84e-06
35	46	-0.03	0.01	-0.48	-2.97e-04	-2.44e-05	5.84e-06
35	47	-0.03	-0.01	-0.48	2.97e-04	-2.44e-05	-5.84e-06
35	48	0.03	9.39e-03	-0.50	-2.92e-04	2.51e-05	-5.80e-06
35	49	0.03	-9.39e-03	-0.50	2.92e-04	2.51e-05	5.80e-06
35	50	-0.03	9.39e-03	-0.48	-2.92e-04	-2.44e-05	-5.80e-06
35	51	-0.03	-9.39e-03	-0.48	2.92e-04	-2.44e-05	5.80e-06
35	52	0.01	0.04	-0.49	-9.89e-04	7.76e-06	1.95e-05
35	53	0.01	-0.04	-0.49	9.89e-04	7.76e-06	-1.95e-05
35	54	-0.01	0.04	-0.49	-9.89e-04	-7.08e-06	1.95e-05
35	55	-0.01	-0.04	-0.49	9.89e-04	-7.08e-06	-1.95e-05
35	56	0.01	0.04	-0.49	-9.89e-04	7.76e-06	1.95e-05
35	57	0.01	-0.04	-0.49	9.89e-04	7.76e-06	-1.95e-05
35	58	-0.01	0.04	-0.49	-9.89e-04	-7.08e-06	1.95e-05
35	59	-0.01	-0.04	-0.49	9.89e-04	-7.08e-06	-1.95e-05
35	60	0.01	0.03	-0.49	-9.74e-04	7.76e-06	1.93e-05
35	61	0.01	-0.03	-0.49	9.74e-04	7.76e-06	-1.93e-05
35	62	-0.01	0.03	-0.49	-9.74e-04	-7.08e-06	1.93e-05
35	63	-0.01	-0.03	-0.49	9.74e-04	-7.08e-06	-1.93e-05
35	64	0.01	0.03	-0.49	-9.74e-04	7.76e-06	1.93e-05
35	65	0.01	-0.03	-0.49	9.74e-04	7.76e-06	-1.93e-05
35	66	-0.01	0.03	-0.49	-9.74e-04	-7.08e-06	1.93e-05
35	67	-0.01	-0.03	-0.49	9.74e-04	-7.08e-06	-1.93e-05
35	68	4.66e-06	9.47e-03	-0.49	-4.31e-04	0.0	0.0
35	69	4.66e-06	0.0	-0.49	0.0	0.0	0.0
35	70	4.66e-06	0.0	-0.49	0.0	0.0	0.0
36	1	-8.63e-06	0.07	-0.38	-3.24e-03	0.0	0.0
36	2	-1.01e-05	0.07	-0.23	-3.23e-03	0.0	0.0
36	3	-5.12e-06	0.05	-0.32	-2.16e-03	0.0	0.0
36	4	0.04	0.01	-0.48	-2.82e-04	2.70e-05	0.0

36	5	0.04	-0.01	-0.52	2.70e-04	2.78e-05	0.0
36	6	-0.04	0.01	-0.46	-2.82e-04	-2.71e-05	0.0
36	7	-0.04	-0.01	-0.51	2.70e-04	-2.63e-05	0.0
36	8	0.04	8.79e-03	-0.48	-2.78e-04	2.77e-05	0.0
36	9	0.04	-8.79e-03	-0.52	2.66e-04	2.70e-05	0.0
36	10	-0.04	8.80e-03	-0.46	-2.78e-04	-2.63e-05	0.0
36	11	-0.04	-8.79e-03	-0.51	2.66e-04	-2.71e-05	0.0
36	12	0.04	0.01	-0.48	-2.82e-04	2.70e-05	0.0
36	13	0.04	-0.01	-0.52	2.70e-04	2.78e-05	0.0
36	14	-0.04	0.01	-0.46	-2.82e-04	-2.71e-05	0.0
36	15	-0.04	-0.01	-0.51	2.70e-04	-2.63e-05	0.0
36	16	0.04	8.79e-03	-0.48	-2.78e-04	2.77e-05	0.0
36	17	0.04	-8.79e-03	-0.52	2.66e-04	2.70e-05	0.0
36	18	-0.04	8.80e-03	-0.46	-2.78e-04	-2.63e-05	0.0
36	19	-0.04	-8.79e-03	-0.51	2.66e-04	-2.71e-05	0.0
36	20	0.01	0.04	-0.42	-9.27e-04	7.07e-06	0.0
36	21	9.67e-03	-0.04	-0.57	9.15e-04	9.82e-06	0.0
36	22	-9.66e-03	0.04	-0.42	-9.27e-04	-9.14e-06	0.0
36	23	-0.01	-0.04	-0.56	9.15e-04	-6.39e-06	0.0
36	24	0.01	0.04	-0.42	-9.27e-04	7.07e-06	0.0
36	25	9.67e-03	-0.04	-0.57	9.15e-04	9.82e-06	0.0
36	26	-9.66e-03	0.04	-0.42	-9.27e-04	-9.14e-06	0.0
36	27	-0.01	-0.04	-0.56	9.15e-04	-6.39e-06	0.0
36	28	9.67e-03	0.03	-0.42	-9.13e-04	9.73e-06	0.0
36	29	0.01	-0.03	-0.57	9.01e-04	7.17e-06	0.0
36	30	-0.01	0.03	-0.42	-9.13e-04	-6.49e-06	0.0
36	31	-9.66e-03	-0.03	-0.56	9.01e-04	-9.05e-06	0.0
36	32	9.67e-03	0.03	-0.42	-9.13e-04	9.73e-06	0.0
36	33	0.01	-0.03	-0.57	9.01e-04	7.17e-06	0.0
36	34	-0.01	0.03	-0.42	-9.13e-04	-6.49e-06	0.0
36	35	-9.66e-03	-0.03	-0.56	9.01e-04	-9.05e-06	0.0
36	36	0.03	0.01	-0.48	-3.02e-04	2.46e-05	0.0
36	37	0.03	-0.01	-0.52	2.90e-04	2.55e-05	0.0
36	38	-0.03	0.01	-0.46	-3.02e-04	-2.48e-05	0.0
36	39	-0.03	-0.01	-0.51	2.90e-04	-2.39e-05	0.0
36	40	0.03	9.39e-03	-0.48	-2.98e-04	2.55e-05	0.0
36	41	0.03	-9.39e-03	-0.52	2.85e-04	2.46e-05	0.0
36	42	-0.03	9.39e-03	-0.46	-2.97e-04	-2.40e-05	0.0
36	43	-0.03	-9.39e-03	-0.51	2.86e-04	-2.48e-05	0.0
36	44	0.03	0.01	-0.48	-3.02e-04	2.46e-05	0.0
36	45	0.03	-0.01	-0.52	2.90e-04	2.55e-05	0.0
36	46	-0.03	0.01	-0.46	-3.02e-04	-2.48e-05	0.0
36	47	-0.03	-0.01	-0.51	2.90e-04	-2.39e-05	0.0
36	48	0.03	9.39e-03	-0.48	-2.98e-04	2.55e-05	0.0
36	49	0.03	-9.39e-03	-0.52	2.85e-04	2.46e-05	0.0
36	50	-0.03	9.39e-03	-0.46	-2.97e-04	-2.40e-05	0.0
36	51	-0.03	-9.39e-03	-0.51	2.86e-04	-2.48e-05	0.0
36	52	0.01	0.04	-0.41	-9.93e-04	6.28e-06	0.0
36	53	8.84e-03	-0.04	-0.57	9.81e-04	9.22e-06	0.0
36	54	-8.83e-03	0.04	-0.41	-9.93e-04	-8.54e-06	0.0
36	55	-0.01	-0.04	-0.57	9.81e-04	-5.60e-06	0.0
36	56	0.01	0.04	-0.41	-9.93e-04	6.28e-06	0.0
36	57	8.84e-03	-0.04	-0.57	9.81e-04	9.22e-06	0.0
36	58	-8.83e-03	0.04	-0.41	-9.93e-04	-8.54e-06	0.0
36	59	-0.01	-0.04	-0.57	9.81e-04	-5.60e-06	0.0
36	60	8.85e-03	0.03	-0.42	-9.78e-04	9.12e-06	0.0
36	61	0.01	-0.03	-0.57	9.66e-04	6.39e-06	0.0
36	62	-0.01	0.03	-0.41	-9.78e-04	-5.71e-06	0.0
36	63	-8.84e-03	-0.03	-0.57	9.66e-04	-8.44e-06	0.0
36	64	8.85e-03	0.03	-0.42	-9.78e-04	9.12e-06	0.0
36	65	0.01	-0.03	-0.57	9.66e-04	6.39e-06	0.0
36	66	-0.01	0.03	-0.41	-9.78e-04	-5.71e-06	0.0
36	67	-8.84e-03	-0.03	-0.57	9.66e-04	-8.44e-06	0.0
36	68	2.76e-06	9.47e-03	-0.46	-4.36e-04	0.0	0.0
36	69	4.74e-06	0.0	-0.49	-6.00e-06	0.0	0.0
36	70	4.74e-06	0.0	-0.49	-6.00e-06	0.0	0.0
37	1	7.43e-06	0.07	-0.64	-3.24e-03	0.0	0.0
37	2	5.72e-06	0.07	-0.49	-3.24e-03	0.0	0.0
37	3	5.72e-06	0.05	-0.49	-2.16e-03	0.0	0.0
37	4	0.04	0.01	-0.50	-2.77e-04	2.76e-05	5.49e-06
37	5	0.04	-0.01	-0.50	2.77e-04	2.76e-05	-5.49e-06
37	6	-0.04	0.01	-0.48	-2.77e-04	-2.68e-05	5.49e-06
37	7	-0.04	-0.01	-0.48	2.77e-04	-2.68e-05	-5.49e-06
37	8	0.04	8.41e-03	-0.50	-2.72e-04	2.76e-05	-5.45e-06
37	9	0.04	-8.41e-03	-0.50	2.72e-04	2.76e-05	5.45e-06

37	10	-0.04	8.41e-03	-0.48	-2.72e-04	-2.68e-05	-5.45e-06
37	11	-0.04	-8.41e-03	-0.48	2.72e-04	-2.68e-05	5.45e-06
37	12	0.04	0.01	-0.50	-2.77e-04	2.76e-05	5.49e-06
37	13	0.04	-0.01	-0.50	2.77e-04	2.76e-05	-5.49e-06
37	14	-0.04	0.01	-0.48	-2.77e-04	-2.68e-05	5.49e-06
37	15	-0.04	-0.01	-0.48	2.77e-04	-2.68e-05	-5.49e-06
37	16	0.04	8.41e-03	-0.50	-2.72e-04	2.76e-05	-5.45e-06
37	17	0.04	-8.41e-03	-0.50	2.72e-04	2.76e-05	5.45e-06
37	18	-0.04	8.41e-03	-0.48	-2.72e-04	-2.68e-05	-5.45e-06
37	19	-0.04	-8.41e-03	-0.48	2.72e-04	-2.68e-05	5.45e-06
37	20	0.01	0.04	-0.49	-9.24e-04	8.59e-06	1.83e-05
37	21	0.01	-0.04	-0.49	9.24e-04	8.59e-06	-1.83e-05
37	22	-0.01	0.04	-0.49	-9.24e-04	-7.72e-06	1.83e-05
37	23	-0.01	-0.04	-0.49	9.24e-04	-7.72e-06	-1.83e-05
37	24	0.01	0.04	-0.49	-9.24e-04	8.59e-06	1.83e-05
37	25	0.01	-0.04	-0.49	9.24e-04	8.59e-06	-1.83e-05
37	26	-0.01	0.04	-0.49	-9.24e-04	-7.72e-06	1.83e-05
37	27	-0.01	-0.04	-0.49	9.24e-04	-7.72e-06	-1.83e-05
37	28	0.01	0.03	-0.49	-9.07e-04	8.59e-06	-1.82e-05
37	29	0.01	-0.03	-0.49	9.07e-04	8.59e-06	1.82e-05
37	30	-0.01	0.03	-0.49	-9.07e-04	-7.72e-06	-1.82e-05
37	31	-0.01	-0.03	-0.49	9.07e-04	-7.72e-06	1.82e-05
37	32	0.01	0.03	-0.49	-9.07e-04	8.59e-06	-1.82e-05
37	33	0.01	-0.03	-0.49	9.07e-04	8.59e-06	1.82e-05
37	34	-0.01	0.03	-0.49	-9.07e-04	-7.72e-06	-1.82e-05
37	35	-0.01	-0.03	-0.49	9.07e-04	-7.72e-06	1.82e-05
37	36	0.03	0.01	-0.50	-2.97e-04	2.53e-05	5.82e-06
37	37	0.03	-0.01	-0.50	2.97e-04	2.53e-05	-5.82e-06
37	38	-0.03	0.01	-0.48	-2.97e-04	-2.44e-05	5.82e-06
37	39	-0.03	-0.01	-0.48	2.97e-04	-2.44e-05	-5.82e-06
37	40	0.03	8.97e-03	-0.50	-2.92e-04	2.53e-05	-5.80e-06
37	41	0.03	-8.97e-03	-0.50	2.92e-04	2.53e-05	5.80e-06
37	42	-0.03	8.97e-03	-0.48	-2.92e-04	-2.44e-05	-5.80e-06
37	43	-0.03	-8.97e-03	-0.48	2.92e-04	-2.44e-05	5.80e-06
37	44	0.03	0.01	-0.50	-2.97e-04	2.53e-05	5.82e-06
37	45	0.03	-0.01	-0.50	2.97e-04	2.53e-05	-5.82e-06
37	46	-0.03	0.01	-0.48	-2.97e-04	-2.44e-05	5.82e-06
37	47	-0.03	-0.01	-0.48	2.97e-04	-2.44e-05	-5.82e-06
37	48	0.03	8.97e-03	-0.50	-2.92e-04	2.53e-05	-5.80e-06
37	49	0.03	-8.97e-03	-0.50	2.92e-04	2.53e-05	5.80e-06
37	50	-0.03	8.97e-03	-0.48	-2.92e-04	-2.44e-05	-5.80e-06
37	51	-0.03	-8.97e-03	-0.48	2.92e-04	-2.44e-05	5.80e-06
37	52	0.01	0.04	-0.49	-9.91e-04	7.90e-06	1.94e-05
37	53	0.01	-0.04	-0.49	9.91e-04	7.90e-06	-1.94e-05
37	54	-0.01	0.04	-0.49	-9.91e-04	-7.03e-06	1.94e-05
37	55	-0.01	-0.04	-0.49	9.91e-04	-7.03e-06	-1.94e-05
37	56	0.01	0.04	-0.49	-9.91e-04	7.90e-06	1.94e-05
37	57	0.01	-0.04	-0.49	9.91e-04	7.90e-06	-1.94e-05
37	58	-0.01	0.04	-0.49	-9.91e-04	-7.03e-06	1.94e-05
37	59	-0.01	-0.04	-0.49	9.91e-04	-7.03e-06	-1.94e-05
37	60	0.01	0.03	-0.49	-9.72e-04	7.90e-06	-1.93e-05
37	61	0.01	-0.03	-0.49	9.72e-04	7.90e-06	1.93e-05
37	62	-0.01	0.03	-0.49	-9.72e-04	-7.03e-06	-1.93e-05
37	63	-0.01	-0.03	-0.49	9.72e-04	-7.03e-06	1.93e-05
37	64	0.01	0.03	-0.49	-9.72e-04	7.90e-06	-1.93e-05
37	65	0.01	-0.03	-0.49	9.72e-04	7.90e-06	1.93e-05
37	66	-0.01	0.03	-0.49	-9.72e-04	-7.03e-06	-1.93e-05
37	67	-0.01	-0.03	-0.49	9.72e-04	-7.03e-06	1.93e-05
37	68	5.72e-06	9.47e-03	-0.49	-4.31e-04	0.0	0.0
37	69	5.72e-06	0.0	-0.49	0.0	0.0	0.0
37	70	5.72e-06	0.0	-0.49	0.0	0.0	0.0
38	1	-1.03e-05	0.07	-0.38	-3.24e-03	0.0	0.0
38	2	-1.21e-05	0.07	-0.23	-3.23e-03	0.0	0.0
38	3	-6.06e-06	0.05	-0.32	-2.16e-03	0.0	0.0
38	4	0.04	0.01	-0.48	-2.83e-04	2.72e-05	0.0
38	5	0.04	-0.01	-0.52	2.70e-04	2.80e-05	0.0
38	6	-0.04	0.01	-0.46	-2.82e-04	-2.71e-05	0.0
38	7	-0.04	-0.01	-0.50	2.71e-04	-2.64e-05	0.0
38	8	0.04	8.41e-03	-0.48	-2.78e-04	2.80e-05	0.0
38	9	0.04	-8.41e-03	-0.52	2.65e-04	2.73e-05	0.0
38	10	-0.04	8.41e-03	-0.46	-2.77e-04	-2.64e-05	0.0
38	11	-0.04	-8.41e-03	-0.50	2.66e-04	-2.71e-05	0.0
38	12	0.04	0.01	-0.48	-2.83e-04	2.72e-05	0.0
38	13	0.04	-0.01	-0.52	2.70e-04	2.80e-05	0.0
38	14	-0.04	0.01	-0.46	-2.82e-04	-2.71e-05	0.0



38	15	-0.04	-0.01	-0.50	2.71e-04	-2.64e-05	0.0
38	16	0.04	8.41e-03	-0.48	-2.78e-04	2.80e-05	0.0
38	17	0.04	-8.41e-03	-0.52	2.65e-04	2.73e-05	0.0
38	18	-0.04	8.41e-03	-0.46	-2.77e-04	-2.64e-05	0.0
38	19	-0.04	-8.41e-03	-0.50	2.66e-04	-2.71e-05	0.0
38	20	0.01	0.04	-0.42	-9.28e-04	7.34e-06	0.0
38	21	9.66e-03	-0.04	-0.57	9.16e-04	9.83e-06	0.0
38	22	-9.65e-03	0.04	-0.41	-9.28e-04	-8.97e-06	0.0
38	23	-0.01	-0.04	-0.56	9.16e-04	-6.48e-06	0.0
38	24	0.01	0.04	-0.42	-9.28e-04	7.34e-06	0.0
38	25	9.66e-03	-0.04	-0.57	9.16e-04	9.83e-06	0.0
38	26	-9.65e-03	0.04	-0.41	-9.28e-04	-8.97e-06	0.0
38	27	-0.01	-0.04	-0.56	9.16e-04	-6.48e-06	0.0
38	28	9.67e-03	0.03	-0.42	-9.12e-04	9.72e-06	0.0
38	29	0.01	-0.03	-0.57	8.99e-04	7.45e-06	0.0
38	30	-0.01	0.03	-0.42	-9.11e-04	-6.59e-06	0.0
38	31	-9.66e-03	-0.03	-0.56	8.99e-04	-8.86e-06	0.0
38	32	9.67e-03	0.03	-0.42	-9.12e-04	9.72e-06	0.0
38	33	0.01	-0.03	-0.57	8.99e-04	7.45e-06	0.0
38	34	-0.01	0.03	-0.42	-9.11e-04	-6.59e-06	0.0
38	35	-9.66e-03	-0.03	-0.56	8.99e-04	-8.86e-06	0.0
38	36	0.03	0.01	-0.48	-3.03e-04	2.49e-05	0.0
38	37	0.03	-0.01	-0.52	2.90e-04	2.57e-05	0.0
38	38	-0.03	0.01	-0.46	-3.02e-04	-2.48e-05	0.0
38	39	-0.03	-0.01	-0.51	2.91e-04	-2.40e-05	0.0
38	40	0.03	8.97e-03	-0.48	-2.97e-04	2.57e-05	0.0
38	41	0.03	-8.98e-03	-0.52	2.85e-04	2.49e-05	0.0
38	42	-0.03	8.98e-03	-0.46	-2.97e-04	-2.41e-05	0.0
38	43	-0.03	-8.97e-03	-0.51	2.85e-04	-2.48e-05	0.0
38	44	0.03	0.01	-0.48	-3.03e-04	2.49e-05	0.0
38	45	0.03	-0.01	-0.52	2.90e-04	2.57e-05	0.0
38	46	-0.03	0.01	-0.46	-3.02e-04	-2.48e-05	0.0
38	47	-0.03	-0.01	-0.51	2.91e-04	-2.40e-05	0.0
38	48	0.03	8.97e-03	-0.48	-2.97e-04	2.57e-05	0.0
38	49	0.03	-8.98e-03	-0.52	2.85e-04	2.49e-05	0.0
38	50	-0.03	8.98e-03	-0.46	-2.97e-04	-2.41e-05	0.0
38	51	-0.03	-8.97e-03	-0.51	2.85e-04	-2.48e-05	0.0
38	52	0.01	0.04	-0.42	-9.94e-04	6.56e-06	0.0
38	53	8.84e-03	-0.04	-0.57	9.82e-04	9.22e-06	0.0
38	54	-8.83e-03	0.04	-0.41	-9.94e-04	-8.35e-06	0.0
38	55	-0.01	-0.04	-0.57	9.82e-04	-5.70e-06	0.0
38	56	0.01	0.04	-0.42	-9.94e-04	6.56e-06	0.0
38	57	8.84e-03	-0.04	-0.57	9.82e-04	9.22e-06	0.0
38	58	-8.83e-03	0.04	-0.41	-9.94e-04	-8.35e-06	0.0
38	59	-0.01	-0.04	-0.57	9.82e-04	-5.70e-06	0.0
38	60	8.84e-03	0.03	-0.42	-9.76e-04	9.10e-06	0.0
38	61	0.01	-0.03	-0.57	9.64e-04	6.68e-06	0.0
38	62	-0.01	0.03	-0.41	-9.76e-04	-5.82e-06	0.0
38	63	-8.83e-03	-0.03	-0.57	9.64e-04	-8.23e-06	0.0
38	64	8.84e-03	0.03	-0.42	-9.76e-04	9.10e-06	0.0
38	65	0.01	-0.03	-0.57	9.64e-04	6.68e-06	0.0
38	66	-0.01	0.03	-0.41	-9.76e-04	-5.82e-06	0.0
38	67	-8.83e-03	-0.03	-0.57	9.64e-04	-8.23e-06	0.0
38	68	3.58e-06	9.47e-03	-0.46	-4.36e-04	0.0	0.0
38	69	5.99e-06	0.0	-0.49	-6.01e-06	0.0	0.0
38	70	5.99e-06	0.0	-0.49	-6.01e-06	0.0	0.0
39	1	9.39e-06	0.07	-0.64	-3.24e-03	0.0	0.0
39	2	7.22e-06	0.07	-0.49	-3.24e-03	0.0	0.0
39	3	7.22e-06	0.05	-0.49	-2.16e-03	0.0	0.0
39	4	0.04	0.01	-0.50	-2.78e-04	2.79e-05	5.48e-06
39	5	0.04	-0.01	-0.50	2.78e-04	2.79e-05	-5.48e-06
39	6	-0.04	0.01	-0.48	-2.78e-04	-2.69e-05	5.48e-06
39	7	-0.04	-0.01	-0.48	2.78e-04	-2.69e-05	-5.48e-06
39	8	0.04	8.02e-03	-0.50	-2.72e-04	2.79e-05	-5.43e-06
39	9	0.04	-8.02e-03	-0.50	2.72e-04	2.79e-05	5.43e-06
39	10	-0.04	8.02e-03	-0.48	-2.72e-04	-2.69e-05	-5.43e-06
39	11	-0.04	-8.02e-03	-0.48	2.72e-04	-2.69e-05	5.43e-06
39	12	0.04	0.01	-0.50	-2.78e-04	2.79e-05	5.48e-06
39	13	0.04	-0.01	-0.50	2.78e-04	2.79e-05	-5.48e-06
39	14	-0.04	0.01	-0.48	-2.78e-04	-2.69e-05	5.48e-06
39	15	-0.04	-0.01	-0.48	2.78e-04	-2.69e-05	-5.48e-06
39	16	0.04	8.02e-03	-0.50	-2.72e-04	2.79e-05	-5.43e-06
39	17	0.04	-8.02e-03	-0.50	2.72e-04	2.79e-05	5.43e-06
39	18	-0.04	8.02e-03	-0.48	-2.72e-04	-2.69e-05	-5.43e-06
39	19	-0.04	-8.02e-03	-0.48	2.72e-04	-2.69e-05	5.43e-06

39	20	0.01	0.04	-0.50	-9.26e-04	8.72e-06	1.83e-05
39	21	0.01	-0.04	-0.50	9.26e-04	8.72e-06	-1.83e-05
39	22	-0.01	0.04	-0.49	-9.26e-04	-7.70e-06	1.83e-05
39	23	-0.01	-0.04	-0.49	9.26e-04	-7.70e-06	-1.83e-05
39	24	0.01	0.04	-0.50	-9.26e-04	8.72e-06	1.83e-05
39	25	0.01	-0.04	-0.50	9.26e-04	8.72e-06	-1.83e-05
39	26	-0.01	0.04	-0.49	-9.26e-04	-7.70e-06	1.83e-05
39	27	-0.01	-0.04	-0.49	9.26e-04	-7.70e-06	-1.83e-05
39	28	0.01	0.03	-0.50	-9.06e-04	8.72e-06	-1.81e-05
39	29	0.01	-0.03	-0.50	9.06e-04	8.72e-06	1.81e-05
39	30	-0.01	0.03	-0.49	-9.06e-04	-7.70e-06	-1.81e-05
39	31	-0.01	-0.03	-0.49	9.06e-04	-7.70e-06	1.81e-05
39	32	0.01	0.03	-0.50	-9.06e-04	8.72e-06	-1.81e-05
39	33	0.01	-0.03	-0.50	9.06e-04	8.72e-06	1.81e-05
39	34	-0.01	0.03	-0.49	-9.06e-04	-7.70e-06	-1.81e-05
39	35	-0.01	-0.03	-0.49	9.06e-04	-7.70e-06	1.81e-05
39	36	0.03	0.01	-0.50	-2.98e-04	2.55e-05	5.82e-06
39	37	0.03	-0.01	-0.50	2.98e-04	2.55e-05	-5.82e-06
39	38	-0.03	0.01	-0.48	-2.98e-04	-2.45e-05	5.82e-06
39	39	-0.03	-0.01	-0.48	2.98e-04	-2.45e-05	-5.82e-06
39	40	0.03	8.56e-03	-0.50	-2.91e-04	2.55e-05	-5.78e-06
39	41	0.03	-8.56e-03	-0.50	2.91e-04	2.55e-05	5.78e-06
39	42	-0.03	8.56e-03	-0.48	-2.91e-04	-2.45e-05	-5.78e-06
39	43	-0.03	-8.56e-03	-0.48	2.91e-04	-2.45e-05	5.78e-06
39	44	0.03	0.01	-0.50	-2.98e-04	2.55e-05	5.82e-06
39	45	0.03	-0.01	-0.50	2.98e-04	2.55e-05	-5.82e-06
39	46	-0.03	0.01	-0.48	-2.98e-04	-2.45e-05	5.82e-06
39	47	-0.03	-0.01	-0.48	2.98e-04	-2.45e-05	-5.82e-06
39	48	0.03	8.56e-03	-0.50	-2.91e-04	2.55e-05	-5.78e-06
39	49	0.03	-8.56e-03	-0.50	2.91e-04	2.55e-05	5.78e-06
39	50	-0.03	8.56e-03	-0.48	-2.91e-04	-2.45e-05	-5.78e-06
39	51	-0.03	-8.56e-03	-0.48	2.91e-04	-2.45e-05	5.78e-06
39	52	0.01	0.05	-0.50	-9.92e-04	8.02e-06	1.94e-05
39	53	0.01	-0.05	-0.50	9.92e-04	8.02e-06	-1.94e-05
39	54	-0.01	0.05	-0.49	-9.92e-04	-7.00e-06	1.94e-05
39	55	-0.01	-0.05	-0.49	9.92e-04	-7.00e-06	-1.94e-05
39	56	0.01	0.05	-0.50	-9.92e-04	8.02e-06	1.94e-05
39	57	0.01	-0.05	-0.50	9.92e-04	8.02e-06	-1.94e-05
39	58	-0.01	0.05	-0.49	-9.92e-04	-7.00e-06	1.94e-05
39	59	-0.01	-0.05	-0.49	9.92e-04	-7.00e-06	-1.94e-05
39	60	0.01	0.03	-0.50	-9.71e-04	8.02e-06	-1.93e-05
39	61	0.01	-0.03	-0.50	9.71e-04	8.02e-06	1.93e-05
39	62	-0.01	0.03	-0.49	-9.71e-04	-7.00e-06	-1.93e-05
39	63	-0.01	-0.03	-0.49	9.71e-04	-7.00e-06	1.93e-05
39	64	0.01	0.03	-0.50	-9.71e-04	8.02e-06	-1.93e-05
39	65	0.01	-0.03	-0.50	9.71e-04	8.02e-06	1.93e-05
39	66	-0.01	0.03	-0.49	-9.71e-04	-7.00e-06	-1.93e-05
39	67	-0.01	-0.03	-0.49	9.71e-04	-7.00e-06	1.93e-05
39	68	7.22e-06	9.46e-03	-0.49	-4.31e-04	0.0	0.0
39	69	7.22e-06	0.0	-0.49	0.0	0.0	0.0
39	70	7.22e-06	0.0	-0.49	0.0	0.0	0.0
40	1	-1.07e-05	0.07	-0.38	-3.24e-03	0.0	0.0
40	2	-1.29e-05	0.07	-0.23	-3.23e-03	0.0	0.0
40	3	-6.14e-06	0.05	-0.32	-2.16e-03	0.0	0.0
40	4	0.04	0.01	-0.48	-2.83e-04	2.75e-05	0.0
40	5	0.04	-0.01	-0.53	2.71e-04	2.82e-05	0.0
40	6	-0.04	0.01	-0.46	-2.83e-04	-2.72e-05	0.0
40	7	-0.04	-0.01	-0.50	2.71e-04	-2.65e-05	0.0
40	8	0.04	8.02e-03	-0.48	-2.78e-04	2.82e-05	0.0
40	9	0.04	-8.02e-03	-0.53	2.65e-04	2.76e-05	0.0
40	10	-0.04	8.02e-03	-0.46	-2.77e-04	-2.66e-05	0.0
40	11	-0.04	-8.02e-03	-0.50	2.66e-04	-2.71e-05	0.0
40	12	0.04	0.01	-0.48	-2.83e-04	2.75e-05	0.0
40	13	0.04	-0.01	-0.53	2.71e-04	2.82e-05	0.0
40	14	-0.04	0.01	-0.46	-2.83e-04	-2.72e-05	0.0
40	15	-0.04	-0.01	-0.50	2.71e-04	-2.65e-05	0.0
40	16	0.04	8.02e-03	-0.48	-2.78e-04	2.82e-05	0.0
40	17	0.04	-8.02e-03	-0.53	2.65e-04	2.76e-05	0.0
40	18	-0.04	8.02e-03	-0.46	-2.77e-04	-2.66e-05	0.0
40	19	-0.04	-8.02e-03	-0.50	2.66e-04	-2.71e-05	0.0
40	20	0.01	0.04	-0.42	-9.30e-04	7.62e-06	0.0
40	21	9.66e-03	-0.04	-0.57	9.17e-04	9.81e-06	0.0
40	22	-9.65e-03	0.04	-0.41	-9.29e-04	-8.79e-06	0.0
40	23	-0.01	-0.04	-0.56	9.18e-04	-6.60e-06	0.0
40	24	0.01	0.04	-0.42	-9.30e-04	7.62e-06	0.0

40	25	9.66e-03	-0.04	-0.57	9.17e-04	9.81e-06	0.0
40	26	-9.65e-03	0.04	-0.41	-9.29e-04	-8.79e-06	0.0
40	27	-0.01	-0.04	-0.56	9.18e-04	-6.60e-06	0.0
40	28	9.67e-03	0.03	-0.42	-9.10e-04	9.68e-06	0.0
40	29	0.01	-0.03	-0.57	8.98e-04	7.75e-06	0.0
40	30	-0.01	0.03	-0.42	-9.10e-04	-6.73e-06	0.0
40	31	-9.65e-03	-0.03	-0.56	8.98e-04	-8.66e-06	0.0
40	32	9.67e-03	0.03	-0.42	-9.10e-04	9.68e-06	0.0
40	33	0.01	-0.03	-0.57	8.98e-04	7.75e-06	0.0
40	34	-0.01	0.03	-0.42	-9.10e-04	-6.73e-06	0.0
40	35	-9.65e-03	-0.03	-0.56	8.98e-04	-8.66e-06	0.0
40	36	0.03	0.01	-0.48	-3.03e-04	2.52e-05	0.0
40	37	0.03	-0.01	-0.53	2.91e-04	2.59e-05	0.0
40	38	-0.03	0.01	-0.46	-3.03e-04	-2.49e-05	0.0
40	39	-0.03	-0.01	-0.50	2.91e-04	-2.42e-05	0.0
40	40	0.03	8.56e-03	-0.48	-2.97e-04	2.58e-05	0.0
40	41	0.03	-8.56e-03	-0.53	2.84e-04	2.52e-05	0.0
40	42	-0.03	8.56e-03	-0.46	-2.96e-04	-2.42e-05	0.0
40	43	-0.03	-8.56e-03	-0.50	2.85e-04	-2.48e-05	0.0
40	44	0.03	0.01	-0.48	-3.03e-04	2.52e-05	0.0
40	45	0.03	-0.01	-0.53	2.91e-04	2.59e-05	0.0
40	46	-0.03	0.01	-0.46	-3.03e-04	-2.49e-05	0.0
40	47	-0.03	-0.01	-0.50	2.91e-04	-2.42e-05	0.0
40	48	0.03	8.56e-03	-0.48	-2.97e-04	2.58e-05	0.0
40	49	0.03	-8.56e-03	-0.53	2.84e-04	2.52e-05	0.0
40	50	-0.03	8.56e-03	-0.46	-2.96e-04	-2.42e-05	0.0
40	51	-0.03	-8.56e-03	-0.50	2.85e-04	-2.48e-05	0.0
40	52	0.01	0.05	-0.42	-9.96e-04	6.85e-06	0.0
40	53	8.84e-03	-0.05	-0.57	9.84e-04	9.18e-06	0.0
40	54	-8.82e-03	0.05	-0.41	-9.96e-04	-8.16e-06	0.0
40	55	-0.01	-0.05	-0.57	9.84e-04	-5.83e-06	0.0
40	56	0.01	0.05	-0.42	-9.96e-04	6.85e-06	0.0
40	57	8.84e-03	-0.05	-0.57	9.84e-04	9.18e-06	0.0
40	58	-8.82e-03	0.05	-0.41	-9.96e-04	-8.16e-06	0.0
40	59	-0.01	-0.05	-0.57	9.84e-04	-5.83e-06	0.0
40	60	8.84e-03	0.03	-0.42	-9.75e-04	9.03e-06	0.0
40	61	0.01	-0.03	-0.57	9.63e-04	7.00e-06	0.0
40	62	-0.01	0.03	-0.41	-9.75e-04	-5.98e-06	0.0
40	63	-8.83e-03	-0.03	-0.57	9.63e-04	-8.01e-06	0.0
40	64	8.84e-03	0.03	-0.42	-9.75e-04	9.03e-06	0.0
40	65	0.01	-0.03	-0.57	9.63e-04	7.00e-06	0.0
40	66	-0.01	0.03	-0.41	-9.75e-04	-5.98e-06	0.0
40	67	-8.83e-03	-0.03	-0.57	9.63e-04	-8.01e-06	0.0
40	68	4.62e-06	9.46e-03	-0.46	-4.36e-04	0.0	0.0
40	69	7.31e-06	0.0	-0.49	-6.01e-06	0.0	0.0
40	70	7.31e-06	0.0	-0.49	-6.01e-06	0.0	0.0
41	1	1.13e-05	0.07	-0.64	-3.24e-03	0.0	0.0
41	2	8.71e-06	0.07	-0.49	-3.24e-03	0.0	0.0
41	3	8.71e-06	0.05	-0.49	-2.16e-03	0.0	0.0
41	4	0.04	0.01	-0.51	-2.78e-04	2.81e-05	5.47e-06
41	5	0.04	-0.01	-0.51	2.78e-04	2.81e-05	-5.47e-06
41	6	-0.04	0.01	-0.48	-2.78e-04	-2.70e-05	5.47e-06
41	7	-0.04	-0.01	-0.48	2.78e-04	-2.70e-05	-5.47e-06
41	8	0.04	7.64e-03	-0.51	-2.71e-04	2.81e-05	-5.42e-06
41	9	0.04	-7.64e-03	-0.51	2.71e-04	2.81e-05	5.42e-06
41	10	-0.04	7.64e-03	-0.48	-2.71e-04	-2.70e-05	-5.42e-06
41	11	-0.04	-7.64e-03	-0.48	2.71e-04	-2.70e-05	5.42e-06
41	12	0.04	0.01	-0.51	-2.78e-04	2.81e-05	5.47e-06
41	13	0.04	-0.01	-0.51	2.78e-04	2.81e-05	-5.47e-06
41	14	-0.04	0.01	-0.48	-2.78e-04	-2.70e-05	5.47e-06
41	15	-0.04	-0.01	-0.48	2.78e-04	-2.70e-05	-5.47e-06
41	16	0.04	7.64e-03	-0.51	-2.71e-04	2.81e-05	-5.42e-06
41	17	0.04	-7.64e-03	-0.51	2.71e-04	2.81e-05	5.42e-06
41	18	-0.04	7.64e-03	-0.48	-2.71e-04	-2.70e-05	-5.42e-06
41	19	-0.04	-7.64e-03	-0.48	2.71e-04	-2.70e-05	5.42e-06
41	20	0.01	0.04	-0.50	-9.27e-04	8.85e-06	1.82e-05
41	21	0.01	-0.04	-0.50	9.27e-04	8.85e-06	-1.82e-05
41	22	-0.01	0.04	-0.49	-9.27e-04	-7.67e-06	1.82e-05
41	23	-0.01	-0.04	-0.49	9.27e-04	-7.67e-06	-1.82e-05
41	24	0.01	0.04	-0.50	-9.27e-04	8.85e-06	1.82e-05
41	25	0.01	-0.04	-0.50	9.27e-04	8.85e-06	-1.82e-05
41	26	-0.01	0.04	-0.49	-9.27e-04	-7.67e-06	1.82e-05
41	27	-0.01	-0.04	-0.49	9.27e-04	-7.67e-06	-1.82e-05
41	28	0.01	0.03	-0.50	-9.05e-04	8.85e-06	-1.81e-05
41	29	0.01	-0.03	-0.50	9.05e-04	8.85e-06	1.81e-05

41	30	-0.01	0.03	-0.49	-9.05e-04	-7.67e-06	-1.81e-05
41	31	-0.01	-0.03	-0.49	9.05e-04	-7.67e-06	1.81e-05
41	32	0.01	0.03	-0.50	-9.05e-04	8.85e-06	-1.81e-05
41	33	0.01	-0.03	-0.50	9.05e-04	8.85e-06	1.81e-05
41	34	-0.01	0.03	-0.49	-9.05e-04	-7.67e-06	-1.81e-05
41	35	-0.01	-0.03	-0.49	9.05e-04	-7.67e-06	1.81e-05
41	36	0.03	0.01	-0.51	-2.98e-04	2.58e-05	5.80e-06
41	37	0.03	-0.01	-0.51	2.98e-04	2.58e-05	-5.80e-06
41	38	-0.03	0.01	-0.48	-2.98e-04	-2.46e-05	5.80e-06
41	39	-0.03	-0.01	-0.48	2.98e-04	-2.46e-05	-5.80e-06
41	40	0.03	8.14e-03	-0.51	-2.91e-04	2.58e-05	-5.77e-06
41	41	0.03	-8.14e-03	-0.51	2.91e-04	2.58e-05	5.77e-06
41	42	-0.03	8.14e-03	-0.48	-2.91e-04	-2.46e-05	-5.77e-06
41	43	-0.03	-8.14e-03	-0.48	2.91e-04	-2.46e-05	5.77e-06
41	44	0.03	0.01	-0.51	-2.98e-04	2.58e-05	5.80e-06
41	45	0.03	-0.01	-0.51	2.98e-04	2.58e-05	-5.80e-06
41	46	-0.03	0.01	-0.48	-2.98e-04	-2.46e-05	5.80e-06
41	47	-0.03	-0.01	-0.48	2.98e-04	-2.46e-05	-5.80e-06
41	48	0.03	8.14e-03	-0.51	-2.91e-04	2.58e-05	-5.77e-06
41	49	0.03	-8.14e-03	-0.51	2.91e-04	2.58e-05	5.77e-06
41	50	-0.03	8.14e-03	-0.48	-2.91e-04	-2.46e-05	-5.77e-06
41	51	-0.03	-8.14e-03	-0.48	2.91e-04	-2.46e-05	5.77e-06
41	52	0.01	0.05	-0.50	-9.93e-04	8.15e-06	1.93e-05
41	53	0.01	-0.05	-0.50	9.93e-04	8.15e-06	-1.93e-05
41	54	-0.01	0.05	-0.49	-9.93e-04	-6.97e-06	1.93e-05
41	55	-0.01	-0.05	-0.49	9.93e-04	-6.97e-06	-1.93e-05
41	56	0.01	0.05	-0.50	-9.93e-04	8.15e-06	1.93e-05
41	57	0.01	-0.05	-0.50	9.93e-04	8.15e-06	-1.93e-05
41	58	-0.01	0.05	-0.49	-9.93e-04	-6.97e-06	1.93e-05
41	59	-0.01	-0.05	-0.49	9.93e-04	-6.97e-06	-1.93e-05
41	60	0.01	0.03	-0.50	-9.70e-04	8.15e-06	-1.92e-05
41	61	0.01	-0.03	-0.50	9.70e-04	8.15e-06	1.92e-05
41	62	-0.01	0.03	-0.49	-9.70e-04	-6.97e-06	-1.92e-05
41	63	-0.01	-0.03	-0.49	9.70e-04	-6.97e-06	1.92e-05
41	64	0.01	0.03	-0.50	-9.70e-04	8.15e-06	-1.92e-05
41	65	0.01	-0.03	-0.50	9.70e-04	8.15e-06	1.92e-05
41	66	-0.01	0.03	-0.49	-9.70e-04	-6.97e-06	-1.92e-05
41	67	-0.01	-0.03	-0.49	9.70e-04	-6.97e-06	1.92e-05
41	68	8.71e-06	9.46e-03	-0.49	-4.31e-04	0.0	0.0
41	69	8.71e-06	0.0	-0.49	0.0	0.0	0.0
41	70	8.71e-06	0.0	-0.49	0.0	0.0	0.0
42	1	-1.12e-05	0.07	-0.38	-3.24e-03	0.0	0.0
42	2	-1.39e-05	0.07	-0.23	-3.23e-03	0.0	0.0
42	3	-6.33e-06	0.05	-0.32	-2.16e-03	0.0	0.0
42	4	0.04	0.01	-0.48	-2.84e-04	2.78e-05	0.0
42	5	0.04	-0.01	-0.53	2.71e-04	2.84e-05	0.0
42	6	-0.04	0.01	-0.46	-2.83e-04	-2.72e-05	0.0
42	7	-0.04	-0.01	-0.50	2.72e-04	-2.67e-05	0.0
42	8	0.04	7.64e-03	-0.48	-2.77e-04	2.84e-05	0.0
42	9	0.04	-7.64e-03	-0.53	2.65e-04	2.79e-05	0.0
42	10	-0.04	7.64e-03	-0.46	-2.77e-04	-2.67e-05	0.0
42	11	-0.04	-7.63e-03	-0.50	2.65e-04	-2.72e-05	0.0
42	12	0.04	0.01	-0.48	-2.84e-04	2.78e-05	0.0
42	13	0.04	-0.01	-0.53	2.71e-04	2.84e-05	0.0
42	14	-0.04	0.01	-0.46	-2.83e-04	-2.72e-05	0.0
42	15	-0.04	-0.01	-0.50	2.72e-04	-2.67e-05	0.0
42	16	0.04	7.64e-03	-0.48	-2.77e-04	2.84e-05	0.0
42	17	0.04	-7.64e-03	-0.53	2.65e-04	2.79e-05	0.0
42	18	-0.04	7.64e-03	-0.46	-2.77e-04	-2.67e-05	0.0
42	19	-0.04	-7.63e-03	-0.50	2.65e-04	-2.72e-05	0.0
42	20	0.01	0.04	-0.42	-9.31e-04	7.95e-06	0.0
42	21	9.66e-03	-0.04	-0.57	9.19e-04	9.76e-06	0.0
42	22	-9.64e-03	0.04	-0.41	-9.31e-04	-8.57e-06	0.0
42	23	-0.01	-0.04	-0.56	9.19e-04	-6.76e-06	0.0
42	24	0.01	0.04	-0.42	-9.31e-04	7.95e-06	0.0
42	25	9.66e-03	-0.04	-0.57	9.19e-04	9.76e-06	0.0
42	26	-9.64e-03	0.04	-0.41	-9.31e-04	-8.57e-06	0.0
42	27	-0.01	-0.04	-0.56	9.19e-04	-6.76e-06	0.0
42	28	9.67e-03	0.03	-0.42	-9.09e-04	9.62e-06	0.0
42	29	0.01	-0.03	-0.57	8.97e-04	8.08e-06	0.0
42	30	-0.01	0.03	-0.42	-9.09e-04	-6.89e-06	0.0
42	31	-9.65e-03	-0.03	-0.56	8.97e-04	-8.43e-06	0.0
42	32	9.67e-03	0.03	-0.42	-9.09e-04	9.62e-06	0.0
42	33	0.01	-0.03	-0.57	8.97e-04	8.08e-06	0.0
42	34	-0.01	0.03	-0.42	-9.09e-04	-6.89e-06	0.0

42	35	-9.65e-03	-0.03	-0.56	8.97e-04	-8.43e-06	0.0
42	36	0.03	0.01	-0.48	-3.04e-04	2.55e-05	0.0
42	37	0.03	-0.01	-0.53	2.91e-04	2.61e-05	0.0
42	38	-0.03	0.01	-0.45	-3.03e-04	-2.49e-05	0.0
42	39	-0.03	-0.01	-0.50	2.92e-04	-2.43e-05	0.0
42	40	0.03	8.14e-03	-0.48	-2.97e-04	2.60e-05	0.0
42	41	0.03	-8.14e-03	-0.53	2.84e-04	2.55e-05	0.0
42	42	-0.03	8.15e-03	-0.46	-2.96e-04	-2.44e-05	0.0
42	43	-0.03	-8.14e-03	-0.50	2.85e-04	-2.48e-05	0.0
42	44	0.03	0.01	-0.48	-3.04e-04	2.55e-05	0.0
42	45	0.03	-0.01	-0.53	2.91e-04	2.61e-05	0.0
42	46	-0.03	0.01	-0.45	-3.03e-04	-2.49e-05	0.0
42	47	-0.03	-0.01	-0.50	2.92e-04	-2.43e-05	0.0
42	48	0.03	8.14e-03	-0.48	-2.97e-04	2.60e-05	0.0
42	49	0.03	-8.14e-03	-0.53	2.84e-04	2.55e-05	0.0
42	50	-0.03	8.15e-03	-0.46	-2.96e-04	-2.44e-05	0.0
42	51	-0.03	-8.14e-03	-0.50	2.85e-04	-2.48e-05	0.0
42	52	0.01	0.05	-0.42	-9.97e-04	7.19e-06	0.0
42	53	8.84e-03	-0.05	-0.57	9.85e-04	9.11e-06	0.0
42	54	-8.82e-03	0.05	-0.41	-9.97e-04	-7.92e-06	0.0
42	55	-0.01	-0.05	-0.57	9.85e-04	-6.00e-06	0.0
42	56	0.01	0.05	-0.42	-9.97e-04	7.19e-06	0.0
42	57	8.84e-03	-0.05	-0.57	9.85e-04	9.11e-06	0.0
42	58	-8.82e-03	0.05	-0.41	-9.97e-04	-7.92e-06	0.0
42	59	-0.01	-0.05	-0.57	9.85e-04	-6.00e-06	0.0
42	60	8.84e-03	0.03	-0.42	-9.74e-04	8.96e-06	0.0
42	61	0.01	-0.03	-0.57	9.62e-04	7.34e-06	0.0
42	62	-0.01	0.03	-0.41	-9.74e-04	-6.15e-06	0.0
42	63	-8.82e-03	-0.03	-0.57	9.62e-04	-7.77e-06	0.0
42	64	8.84e-03	0.03	-0.42	-9.74e-04	8.96e-06	0.0
42	65	0.01	-0.03	-0.57	9.62e-04	7.34e-06	0.0
42	66	-0.01	0.03	-0.41	-9.74e-04	-6.15e-06	0.0
42	67	-8.82e-03	-0.03	-0.57	9.62e-04	-7.77e-06	0.0
42	68	5.71e-06	9.46e-03	-0.46	-4.36e-04	0.0	0.0
42	69	8.72e-06	0.0	-0.49	-6.00e-06	0.0	0.0
42	70	8.72e-06	0.0	-0.49	-6.00e-06	0.0	0.0
43	1	1.28e-05	0.07	-0.64	-3.24e-03	0.0	0.0
43	2	9.88e-06	0.07	-0.49	-3.24e-03	0.0	0.0
43	3	9.88e-06	0.05	-0.49	-2.16e-03	0.0	0.0
43	4	0.04	0.01	-0.51	-2.78e-04	2.84e-05	5.45e-06
43	5	0.04	-0.01	-0.51	2.78e-04	2.84e-05	-5.45e-06
43	6	-0.04	0.01	-0.48	-2.78e-04	-2.70e-05	5.45e-06
43	7	-0.04	-0.01	-0.48	2.78e-04	-2.70e-05	-5.45e-06
43	8	0.04	7.25e-03	-0.51	-2.71e-04	2.84e-05	-5.43e-06
43	9	0.04	-7.25e-03	-0.51	2.71e-04	2.84e-05	5.43e-06
43	10	-0.04	7.25e-03	-0.48	-2.71e-04	-2.70e-05	-5.43e-06
43	11	-0.04	-7.25e-03	-0.48	2.71e-04	-2.70e-05	5.43e-06
43	12	0.04	0.01	-0.51	-2.78e-04	2.84e-05	5.45e-06
43	13	0.04	-0.01	-0.51	2.78e-04	2.84e-05	-5.45e-06
43	14	-0.04	0.01	-0.48	-2.78e-04	-2.70e-05	5.45e-06
43	15	-0.04	-0.01	-0.48	2.78e-04	-2.70e-05	-5.45e-06
43	16	0.04	7.25e-03	-0.51	-2.71e-04	2.84e-05	-5.43e-06
43	17	0.04	-7.25e-03	-0.51	2.71e-04	2.84e-05	5.43e-06
43	18	-0.04	7.25e-03	-0.48	-2.71e-04	-2.70e-05	-5.43e-06
43	19	-0.04	-7.25e-03	-0.48	2.71e-04	-2.70e-05	5.43e-06
43	20	0.01	0.04	-0.50	-9.28e-04	9.00e-06	1.82e-05
43	21	0.01	-0.04	-0.50	9.28e-04	9.00e-06	-1.82e-05
43	22	-0.01	0.04	-0.49	-9.28e-04	-7.62e-06	1.82e-05
43	23	-0.01	-0.04	-0.49	9.28e-04	-7.62e-06	-1.82e-05
43	24	0.01	0.04	-0.50	-9.28e-04	9.00e-06	1.82e-05
43	25	0.01	-0.04	-0.50	9.28e-04	9.00e-06	-1.82e-05
43	26	-0.01	0.04	-0.49	-9.28e-04	-7.62e-06	1.82e-05
43	27	-0.01	-0.04	-0.49	9.28e-04	-7.62e-06	-1.82e-05
43	28	0.01	0.02	-0.50	-9.04e-04	9.00e-06	-1.81e-05
43	29	0.01	-0.02	-0.50	9.04e-04	9.00e-06	1.81e-05
43	30	-0.01	0.02	-0.49	-9.04e-04	-7.62e-06	-1.81e-05
43	31	-0.01	-0.02	-0.49	9.04e-04	-7.62e-06	1.81e-05
43	32	0.01	0.02	-0.50	-9.04e-04	9.00e-06	-1.81e-05
43	33	0.01	-0.02	-0.50	9.04e-04	9.00e-06	1.81e-05
43	34	-0.01	0.02	-0.49	-9.04e-04	-7.62e-06	-1.81e-05
43	35	-0.01	-0.02	-0.49	9.04e-04	-7.62e-06	1.81e-05
43	36	0.03	0.01	-0.51	-2.98e-04	2.61e-05	5.78e-06
43	37	0.03	-0.01	-0.51	2.98e-04	2.61e-05	-5.78e-06
43	38	-0.03	0.01	-0.48	-2.98e-04	-2.47e-05	5.78e-06
43	39	-0.03	-0.01	-0.48	2.98e-04	-2.47e-05	-5.78e-06

43	40	0.03	7.73e-03	-0.51	-2.91e-04	2.61e-05	-5.77e-06
43	41	0.03	-7.73e-03	-0.51	2.91e-04	2.61e-05	5.77e-06
43	42	-0.03	7.73e-03	-0.48	-2.91e-04	-2.47e-05	-5.77e-06
43	43	-0.03	-7.73e-03	-0.48	2.91e-04	-2.47e-05	5.77e-06
43	44	0.03	0.01	-0.51	-2.98e-04	2.61e-05	5.78e-06
43	45	0.03	-0.01	-0.51	2.98e-04	2.61e-05	-5.78e-06
43	46	-0.03	0.01	-0.48	-2.98e-04	-2.47e-05	5.78e-06
43	47	-0.03	-0.01	-0.48	2.98e-04	-2.47e-05	-5.78e-06
43	48	0.03	7.73e-03	-0.51	-2.91e-04	2.61e-05	-5.77e-06
43	49	0.03	-7.73e-03	-0.51	2.91e-04	2.61e-05	5.77e-06
43	50	-0.03	7.73e-03	-0.48	-2.91e-04	-2.47e-05	-5.77e-06
43	51	-0.03	-7.73e-03	-0.48	2.91e-04	-2.47e-05	5.77e-06
43	52	0.01	0.05	-0.50	-9.94e-04	8.30e-06	1.93e-05
43	53	0.01	-0.05	-0.50	9.94e-04	8.30e-06	-1.93e-05
43	54	-0.01	0.05	-0.49	-9.94e-04	-6.92e-06	1.93e-05
43	55	-0.01	-0.05	-0.49	9.94e-04	-6.92e-06	-1.93e-05
43	56	0.01	0.05	-0.50	-9.94e-04	8.30e-06	1.93e-05
43	57	0.01	-0.05	-0.50	9.94e-04	8.30e-06	-1.93e-05
43	58	-0.01	0.05	-0.49	-9.94e-04	-6.92e-06	1.93e-05
43	59	-0.01	-0.05	-0.49	9.94e-04	-6.92e-06	-1.93e-05
43	60	0.01	0.03	-0.50	-9.69e-04	8.30e-06	-1.92e-05
43	61	0.01	-0.03	-0.50	9.69e-04	8.30e-06	1.92e-05
43	62	-0.01	0.03	-0.49	-9.69e-04	-6.92e-06	-1.92e-05
43	63	-0.01	-0.03	-0.49	9.69e-04	-6.92e-06	1.92e-05
43	64	0.01	0.03	-0.50	-9.69e-04	8.30e-06	-1.92e-05
43	65	0.01	-0.03	-0.50	9.69e-04	8.30e-06	1.92e-05
43	66	-0.01	0.03	-0.49	-9.69e-04	-6.92e-06	-1.92e-05
43	67	-0.01	-0.03	-0.49	9.69e-04	-6.92e-06	1.92e-05
43	68	9.88e-06	9.46e-03	-0.49	-4.31e-04	0.0	0.0
43	69	9.88e-06	0.0	-0.49	0.0	0.0	0.0
43	70	9.88e-06	0.0	-0.49	0.0	0.0	0.0
44	1	-1.40e-05	0.07	-0.38	-3.24e-03	0.0	0.0
44	2	-1.70e-05	0.07	-0.23	-3.23e-03	0.0	0.0
44	3	-7.93e-06	0.05	-0.32	-2.16e-03	0.0	0.0
44	4	0.04	0.01	-0.49	-2.84e-04	2.82e-05	0.0
44	5	0.04	-0.01	-0.53	2.71e-04	2.86e-05	0.0
44	6	-0.04	0.01	-0.45	-2.83e-04	-2.72e-05	0.0
44	7	-0.04	-0.01	-0.50	2.72e-04	-2.68e-05	0.0
44	8	0.04	7.25e-03	-0.49	-2.77e-04	2.86e-05	0.0
44	9	0.04	-7.25e-03	-0.53	2.64e-04	2.82e-05	0.0
44	10	-0.04	7.25e-03	-0.45	-2.76e-04	-2.68e-05	0.0
44	11	-0.04	-7.25e-03	-0.50	2.65e-04	-2.72e-05	0.0
44	12	0.04	0.01	-0.49	-2.84e-04	2.82e-05	0.0
44	13	0.04	-0.01	-0.53	2.71e-04	2.86e-05	0.0
44	14	-0.04	0.01	-0.45	-2.83e-04	-2.72e-05	0.0
44	15	-0.04	-0.01	-0.50	2.72e-04	-2.68e-05	0.0
44	16	0.04	7.25e-03	-0.49	-2.77e-04	2.86e-05	0.0
44	17	0.04	-7.25e-03	-0.53	2.64e-04	2.82e-05	0.0
44	18	-0.04	7.25e-03	-0.45	-2.76e-04	-2.68e-05	0.0
44	19	-0.04	-7.25e-03	-0.50	2.65e-04	-2.72e-05	0.0
44	20	0.01	0.04	-0.42	-9.32e-04	8.36e-06	0.0
44	21	9.66e-03	-0.04	-0.57	9.19e-04	9.64e-06	0.0
44	22	-9.64e-03	0.04	-0.41	-9.31e-04	-8.26e-06	0.0
44	23	-0.01	-0.04	-0.56	9.20e-04	-6.97e-06	0.0
44	24	0.01	0.04	-0.42	-9.32e-04	8.36e-06	0.0
44	25	9.66e-03	-0.04	-0.57	9.19e-04	9.64e-06	0.0
44	26	-9.64e-03	0.04	-0.41	-9.31e-04	-8.26e-06	0.0
44	27	-0.01	-0.04	-0.56	9.20e-04	-6.97e-06	0.0
44	28	9.66e-03	0.02	-0.42	-9.09e-04	9.57e-06	0.0
44	29	0.01	-0.02	-0.57	8.96e-04	8.43e-06	0.0
44	30	-0.01	0.02	-0.41	-9.08e-04	-7.05e-06	0.0
44	31	-9.64e-03	-0.02	-0.56	8.97e-04	-8.18e-06	0.0
44	32	9.66e-03	0.02	-0.42	-9.09e-04	9.57e-06	0.0
44	33	0.01	-0.02	-0.57	8.96e-04	8.43e-06	0.0
44	34	-0.01	0.02	-0.41	-9.08e-04	-7.05e-06	0.0
44	35	-9.64e-03	-0.02	-0.56	8.97e-04	-8.18e-06	0.0
44	36	0.03	0.01	-0.48	-3.04e-04	2.58e-05	0.0
44	37	0.03	-0.01	-0.53	2.91e-04	2.62e-05	0.0
44	38	-0.03	0.01	-0.45	-3.03e-04	-2.49e-05	0.0
44	39	-0.03	-0.01	-0.50	2.92e-04	-2.45e-05	0.0
44	40	0.03	7.73e-03	-0.48	-2.97e-04	2.62e-05	0.0
44	41	0.03	-7.73e-03	-0.53	2.84e-04	2.59e-05	0.0
44	42	-0.03	7.73e-03	-0.45	-2.96e-04	-2.45e-05	0.0
44	43	-0.03	-7.73e-03	-0.50	2.85e-04	-2.48e-05	0.0
44	44	0.03	0.01	-0.48	-3.04e-04	2.58e-05	0.0

44	45	0.03	-0.01	-0.53	2.91e-04	2.62e-05	0.0
44	46	-0.03	0.01	-0.45	-3.03e-04	-2.49e-05	0.0
44	47	-0.03	-0.01	-0.50	2.92e-04	-2.45e-05	0.0
44	48	0.03	7.73e-03	-0.48	-2.97e-04	2.62e-05	0.0
44	49	0.03	-7.73e-03	-0.53	2.84e-04	2.59e-05	0.0
44	50	-0.03	7.73e-03	-0.45	-2.96e-04	-2.45e-05	0.0
44	51	-0.03	-7.73e-03	-0.50	2.85e-04	-2.48e-05	0.0
44	52	0.01	0.05	-0.42	-9.98e-04	7.62e-06	0.0
44	53	8.84e-03	-0.05	-0.58	9.86e-04	8.98e-06	0.0
44	54	-8.82e-03	0.05	-0.41	-9.98e-04	-7.59e-06	0.0
44	55	-0.01	-0.05	-0.57	9.86e-04	-6.23e-06	0.0
44	56	0.01	0.05	-0.42	-9.98e-04	7.62e-06	0.0
44	57	8.84e-03	-0.05	-0.58	9.86e-04	8.98e-06	0.0
44	58	-8.82e-03	0.05	-0.41	-9.98e-04	-7.59e-06	0.0
44	59	-0.01	-0.05	-0.57	9.86e-04	-6.23e-06	0.0
44	60	8.83e-03	0.03	-0.42	-9.73e-04	8.89e-06	0.0
44	61	0.01	-0.03	-0.57	9.61e-04	7.70e-06	0.0
44	62	-0.01	0.03	-0.41	-9.73e-04	-6.31e-06	0.0
44	63	-8.81e-03	-0.03	-0.56	9.61e-04	-7.51e-06	0.0
44	64	8.83e-03	0.03	-0.42	-9.73e-04	8.89e-06	0.0
44	65	0.01	-0.03	-0.57	9.61e-04	7.70e-06	0.0
44	66	-0.01	0.03	-0.41	-9.73e-04	-6.31e-06	0.0
44	67	-8.81e-03	-0.03	-0.56	9.61e-04	-7.51e-06	0.0
44	68	6.66e-06	9.46e-03	-0.46	-4.36e-04	0.0	0.0
44	69	1.03e-05	0.0	-0.49	-6.00e-06	0.0	0.0
44	70	1.03e-05	0.0	-0.49	-6.00e-06	0.0	0.0
45	1	1.59e-05	0.07	-0.64	-3.24e-03	1.01e-06	0.0
45	2	1.22e-05	0.07	-0.49	-3.24e-03	0.0	0.0
45	3	1.22e-05	0.05	-0.49	-2.16e-03	0.0	0.0
45	4	0.04	0.01	-0.51	-2.79e-04	2.86e-05	5.43e-06
45	5	0.04	-0.01	-0.51	2.79e-04	2.86e-05	-5.43e-06
45	6	-0.04	0.01	-0.47	-2.79e-04	-2.71e-05	5.43e-06
45	7	-0.04	-0.01	-0.47	2.79e-04	-2.71e-05	-5.43e-06
45	8	0.04	6.87e-03	-0.51	-2.71e-04	2.86e-05	-5.43e-06
45	9	0.04	-6.87e-03	-0.51	2.71e-04	2.86e-05	5.43e-06
45	10	-0.04	6.87e-03	-0.47	-2.71e-04	-2.71e-05	-5.43e-06
45	11	-0.04	-6.87e-03	-0.47	2.71e-04	-2.71e-05	5.43e-06
45	12	0.04	0.01	-0.51	-2.79e-04	2.86e-05	5.43e-06
45	13	0.04	-0.01	-0.51	2.79e-04	2.86e-05	-5.43e-06
45	14	-0.04	0.01	-0.47	-2.79e-04	-2.71e-05	5.43e-06
45	15	-0.04	-0.01	-0.47	2.79e-04	-2.71e-05	-5.43e-06
45	16	0.04	6.87e-03	-0.51	-2.71e-04	2.86e-05	-5.43e-06
45	17	0.04	-6.87e-03	-0.51	2.71e-04	2.86e-05	5.43e-06
45	18	-0.04	6.87e-03	-0.47	-2.71e-04	-2.71e-05	-5.43e-06
45	19	-0.04	-6.87e-03	-0.47	2.71e-04	-2.71e-05	5.43e-06
45	20	0.01	0.05	-0.50	-9.28e-04	9.13e-06	1.81e-05
45	21	0.01	-0.05	-0.50	9.28e-04	9.13e-06	-1.81e-05
45	22	-0.01	0.05	-0.49	-9.28e-04	-7.58e-06	1.81e-05
45	23	-0.01	-0.05	-0.49	9.28e-04	-7.58e-06	-1.81e-05
45	24	0.01	0.05	-0.50	-9.28e-04	9.13e-06	1.81e-05
45	25	0.01	-0.05	-0.50	9.28e-04	9.13e-06	-1.81e-05
45	26	-0.01	0.05	-0.49	-9.28e-04	-7.58e-06	1.81e-05
45	27	-0.01	-0.05	-0.49	9.28e-04	-7.58e-06	-1.81e-05
45	28	0.01	0.02	-0.50	-9.04e-04	9.13e-06	-1.81e-05
45	29	0.01	-0.02	-0.50	9.04e-04	9.13e-06	1.81e-05
45	30	-0.01	0.02	-0.49	-9.04e-04	-7.58e-06	-1.81e-05
45	31	-0.01	-0.02	-0.49	9.04e-04	-7.58e-06	1.81e-05
45	32	0.01	0.02	-0.50	-9.04e-04	9.13e-06	-1.81e-05
45	33	0.01	-0.02	-0.50	9.04e-04	9.13e-06	1.81e-05
45	34	-0.01	0.02	-0.49	-9.04e-04	-7.58e-06	-1.81e-05
45	35	-0.01	-0.02	-0.49	9.04e-04	-7.58e-06	1.81e-05
45	36	0.03	0.01	-0.51	-2.98e-04	2.63e-05	5.76e-06
45	37	0.03	-0.01	-0.51	2.98e-04	2.63e-05	-5.76e-06
45	38	-0.03	0.01	-0.48	-2.98e-04	-2.47e-05	5.76e-06
45	39	-0.03	-0.01	-0.48	2.98e-04	-2.47e-05	-5.76e-06
45	40	0.03	7.31e-03	-0.51	-2.91e-04	2.63e-05	-5.78e-06
45	41	0.03	-7.31e-03	-0.51	2.91e-04	2.63e-05	5.78e-06
45	42	-0.03	7.31e-03	-0.48	-2.91e-04	-2.47e-05	-5.78e-06
45	43	-0.03	-7.31e-03	-0.48	2.91e-04	-2.47e-05	5.78e-06
45	44	0.03	0.01	-0.51	-2.98e-04	2.63e-05	5.76e-06
45	45	0.03	-0.01	-0.51	2.98e-04	2.63e-05	-5.76e-06
45	46	-0.03	0.01	-0.48	-2.98e-04	-2.47e-05	5.76e-06
45	47	-0.03	-0.01	-0.48	2.98e-04	-2.47e-05	-5.76e-06
45	48	0.03	7.31e-03	-0.51	-2.91e-04	2.63e-05	-5.78e-06
45	49	0.03	-7.31e-03	-0.51	2.91e-04	2.63e-05	5.78e-06

45	50	-0.03	7.31e-03	-0.48	-2.91e-04	-2.47e-05	-5.78e-06
45	51	-0.03	-7.31e-03	-0.48	2.91e-04	-2.47e-05	5.78e-06
45	52	0.01	0.05	-0.50	-9.95e-04	8.42e-06	1.92e-05
45	53	0.01	-0.05	-0.50	9.95e-04	8.42e-06	-1.92e-05
45	54	-0.01	0.05	-0.49	-9.95e-04	-6.88e-06	1.92e-05
45	55	-0.01	-0.05	-0.49	9.95e-04	-6.88e-06	-1.92e-05
45	56	0.01	0.05	-0.50	-9.95e-04	8.42e-06	1.92e-05
45	57	0.01	-0.05	-0.50	9.95e-04	8.42e-06	-1.92e-05
45	58	-0.01	0.05	-0.49	-9.95e-04	-6.88e-06	1.92e-05
45	59	-0.01	-0.05	-0.49	9.95e-04	-6.88e-06	-1.92e-05
45	60	0.01	0.02	-0.50	-9.68e-04	8.42e-06	-1.93e-05
45	61	0.01	-0.02	-0.50	9.68e-04	8.42e-06	1.93e-05
45	62	-0.01	0.02	-0.49	-9.68e-04	-6.88e-06	-1.93e-05
45	63	-0.01	-0.02	-0.49	9.68e-04	-6.88e-06	1.93e-05
45	64	0.01	0.02	-0.50	-9.68e-04	8.42e-06	-1.93e-05
45	65	0.01	-0.02	-0.50	9.68e-04	8.42e-06	1.93e-05
45	66	-0.01	0.02	-0.49	-9.68e-04	-6.88e-06	-1.93e-05
45	67	-0.01	-0.02	-0.49	9.68e-04	-6.88e-06	1.93e-05
45	68	1.22e-05	9.45e-03	-0.49	-4.31e-04	0.0	0.0
45	69	1.22e-05	0.0	-0.49	0.0	0.0	0.0
45	70	1.22e-05	0.0	-0.49	0.0	0.0	0.0
46	1	-2.00e-05	0.07	-0.38	-3.24e-03	0.0	0.0
46	2	-2.35e-05	0.07	-0.23	-3.23e-03	0.0	0.0
46	3	-1.18e-05	0.05	-0.32	-2.16e-03	0.0	0.0
46	4	0.04	0.01	-0.49	-2.84e-04	2.84e-05	0.0
46	5	0.04	-0.01	-0.53	2.71e-04	2.87e-05	0.0
46	6	-0.04	0.01	-0.45	-2.83e-04	-2.72e-05	0.0
46	7	-0.04	-0.01	-0.50	2.72e-04	-2.70e-05	0.0
46	8	0.04	6.87e-03	-0.49	-2.77e-04	2.86e-05	0.0
46	9	0.04	-6.87e-03	-0.53	2.64e-04	2.85e-05	0.0
46	10	-0.04	6.87e-03	-0.45	-2.76e-04	-2.70e-05	0.0
46	11	-0.04	-6.87e-03	-0.50	2.65e-04	-2.72e-05	0.0
46	12	0.04	0.01	-0.49	-2.84e-04	2.84e-05	0.0
46	13	0.04	-0.01	-0.53	2.71e-04	2.87e-05	0.0
46	14	-0.04	0.01	-0.45	-2.83e-04	-2.72e-05	0.0
46	15	-0.04	-0.01	-0.50	2.72e-04	-2.70e-05	0.0
46	16	0.04	6.87e-03	-0.49	-2.77e-04	2.86e-05	0.0
46	17	0.04	-6.87e-03	-0.53	2.64e-04	2.85e-05	0.0
46	18	-0.04	6.87e-03	-0.45	-2.76e-04	-2.70e-05	0.0
46	19	-0.04	-6.87e-03	-0.50	2.65e-04	-2.72e-05	0.0
46	20	0.01	0.05	-0.42	-9.32e-04	8.69e-06	0.0
46	21	9.66e-03	-0.05	-0.57	9.20e-04	9.44e-06	0.0
46	22	-9.64e-03	0.05	-0.41	-9.32e-04	-8.00e-06	0.0
46	23	-0.01	-0.05	-0.56	9.20e-04	-7.25e-06	0.0
46	24	0.01	0.05	-0.42	-9.32e-04	8.69e-06	0.0
46	25	9.66e-03	-0.05	-0.57	9.20e-04	9.44e-06	0.0
46	26	-9.64e-03	0.05	-0.41	-9.32e-04	-8.00e-06	0.0
46	27	-0.01	-0.05	-0.56	9.20e-04	-7.25e-06	0.0
46	28	9.66e-03	0.02	-0.43	-9.08e-04	9.39e-06	0.0
46	29	0.01	-0.02	-0.57	8.96e-04	8.75e-06	0.0
46	30	-0.01	0.02	-0.41	-9.08e-04	-7.31e-06	0.0
46	31	-9.63e-03	-0.02	-0.56	8.96e-04	-7.94e-06	0.0
46	32	9.66e-03	0.02	-0.43	-9.08e-04	9.39e-06	0.0
46	33	0.01	-0.02	-0.57	8.96e-04	8.75e-06	0.0
46	34	-0.01	0.02	-0.41	-9.08e-04	-7.31e-06	0.0
46	35	-9.63e-03	-0.02	-0.56	8.96e-04	-7.94e-06	0.0
46	36	0.03	0.01	-0.48	-3.04e-04	2.61e-05	0.0
46	37	0.03	-0.01	-0.53	2.91e-04	2.63e-05	0.0
46	38	-0.03	0.01	-0.45	-3.03e-04	-2.49e-05	0.0
46	39	-0.03	-0.01	-0.50	2.92e-04	-2.46e-05	0.0
46	40	0.03	7.31e-03	-0.49	-2.96e-04	2.63e-05	0.0
46	41	0.03	-7.31e-03	-0.53	2.84e-04	2.61e-05	0.0
46	42	-0.03	7.31e-03	-0.45	-2.96e-04	-2.47e-05	0.0
46	43	-0.03	-7.31e-03	-0.50	2.85e-04	-2.49e-05	0.0
46	44	0.03	0.01	-0.48	-3.04e-04	2.61e-05	0.0
46	45	0.03	-0.01	-0.53	2.91e-04	2.63e-05	0.0
46	46	-0.03	0.01	-0.45	-3.03e-04	-2.49e-05	0.0
46	47	-0.03	-0.01	-0.50	2.92e-04	-2.46e-05	0.0
46	48	0.03	7.31e-03	-0.49	-2.96e-04	2.63e-05	0.0
46	49	0.03	-7.31e-03	-0.53	2.84e-04	2.61e-05	0.0
46	50	-0.03	7.31e-03	-0.45	-2.96e-04	-2.47e-05	0.0
46	51	-0.03	-7.31e-03	-0.50	2.85e-04	-2.49e-05	0.0
46	52	0.01	0.05	-0.42	-9.99e-04	7.97e-06	0.0
46	53	8.84e-03	-0.05	-0.58	9.87e-04	8.76e-06	0.0
46	54	-8.82e-03	0.05	-0.41	-9.98e-04	-7.32e-06	0.0



46	55	-0.01	-0.05	-0.57	9.87e-04	-6.53e-06	0.0
46	56	0.01	0.05	-0.42	-9.99e-04	7.97e-06	0.0
46	57	8.84e-03	-0.05	-0.58	9.87e-04	8.76e-06	0.0
46	58	-8.82e-03	0.05	-0.41	-9.98e-04	-7.32e-06	0.0
46	59	-0.01	-0.05	-0.57	9.87e-04	-6.53e-06	0.0
46	60	8.83e-03	0.02	-0.42	-9.73e-04	8.69e-06	0.0
46	61	0.01	-0.02	-0.57	9.61e-04	8.03e-06	0.0
46	62	-0.01	0.02	-0.41	-9.73e-04	-6.59e-06	0.0
46	63	-8.81e-03	-0.02	-0.56	9.61e-04	-7.25e-06	0.0
46	64	8.83e-03	0.02	-0.42	-9.73e-04	8.69e-06	0.0
46	65	0.01	-0.02	-0.57	9.61e-04	8.03e-06	0.0
46	66	-0.01	0.02	-0.41	-9.73e-04	-6.59e-06	0.0
46	67	-8.81e-03	-0.02	-0.56	9.61e-04	-7.25e-06	0.0
46	68	7.04e-06	9.45e-03	-0.46	-4.36e-04	0.0	0.0
46	69	1.17e-05	1.15e-06	-0.49	-5.97e-06	0.0	0.0
46	70	1.17e-05	1.15e-06	-0.49	-5.97e-06	0.0	0.0
47	1	-5.05e-05	0.07	-0.90	-3.22e-03	0.0	0.0
47	2	-4.70e-05	0.07	-0.75	-3.22e-03	0.0	0.0
47	3	-3.52e-05	0.05	-0.66	-2.15e-03	0.0	0.0
47	4	0.04	6.87e-03	-0.50	-2.65e-04	2.72e-05	0.0
47	5	0.04	-6.87e-03	-0.45	2.76e-04	2.70e-05	0.0
47	6	-0.04	6.87e-03	-0.53	-2.64e-04	-2.85e-05	0.0
47	7	-0.04	-6.87e-03	-0.49	2.77e-04	-2.86e-05	0.0
47	8	0.04	0.01	-0.50	-2.72e-04	2.70e-05	0.0
47	9	0.04	-0.01	-0.45	2.83e-04	2.72e-05	0.0
47	10	-0.04	0.01	-0.53	-2.71e-04	-2.87e-05	0.0
47	11	-0.04	-0.01	-0.49	2.84e-04	-2.84e-05	0.0
47	12	0.04	6.87e-03	-0.50	-2.65e-04	2.72e-05	0.0
47	13	0.04	-6.87e-03	-0.45	2.76e-04	2.70e-05	0.0
47	14	-0.04	6.87e-03	-0.53	-2.64e-04	-2.85e-05	0.0
47	15	-0.04	-6.87e-03	-0.49	2.77e-04	-2.86e-05	0.0
47	16	0.04	0.01	-0.50	-2.72e-04	2.70e-05	0.0
47	17	0.04	-0.01	-0.45	2.83e-04	2.72e-05	0.0
47	18	-0.04	0.01	-0.53	-2.71e-04	-2.87e-05	0.0
47	19	-0.04	-0.01	-0.49	2.84e-04	-2.84e-05	0.0
47	20	9.63e-03	0.02	-0.56	-8.96e-04	7.94e-06	0.0
47	21	0.01	-0.02	-0.41	9.08e-04	7.31e-06	0.0
47	22	-0.01	0.02	-0.57	-8.96e-04	-8.75e-06	0.0
47	23	-9.66e-03	-0.02	-0.43	9.08e-04	-9.39e-06	0.0
47	24	9.63e-03	0.02	-0.56	-8.96e-04	7.94e-06	0.0
47	25	0.01	-0.02	-0.41	9.08e-04	7.31e-06	0.0
47	26	-0.01	0.02	-0.57	-8.96e-04	-8.75e-06	0.0
47	27	-9.66e-03	-0.02	-0.43	9.08e-04	-9.39e-06	0.0
47	28	0.01	0.05	-0.56	-9.20e-04	7.25e-06	0.0
47	29	9.64e-03	-0.05	-0.41	9.32e-04	8.00e-06	0.0
47	30	-9.66e-03	0.05	-0.57	-9.20e-04	-9.44e-06	0.0
47	31	-0.01	-0.05	-0.42	9.32e-04	-8.69e-06	0.0
47	32	0.01	0.05	-0.56	-9.20e-04	7.25e-06	0.0
47	33	9.64e-03	-0.05	-0.41	9.32e-04	8.00e-06	0.0
47	34	-9.66e-03	0.05	-0.57	-9.20e-04	-9.44e-06	0.0
47	35	-0.01	-0.05	-0.42	9.32e-04	-8.69e-06	0.0
47	36	0.03	7.31e-03	-0.50	-2.85e-04	2.49e-05	0.0
47	37	0.03	-7.31e-03	-0.45	2.96e-04	2.47e-05	0.0
47	38	-0.03	7.31e-03	-0.53	-2.84e-04	-2.61e-05	0.0
47	39	-0.03	-7.31e-03	-0.49	2.96e-04	-2.63e-05	0.0
47	40	0.03	0.01	-0.50	-2.92e-04	2.46e-05	0.0
47	41	0.03	-0.01	-0.45	3.03e-04	2.49e-05	0.0
47	42	-0.03	0.01	-0.53	-2.91e-04	-2.63e-05	0.0
47	43	-0.03	-0.01	-0.48	3.04e-04	-2.61e-05	0.0
47	44	0.03	7.31e-03	-0.50	-2.85e-04	2.49e-05	0.0
47	45	0.03	-7.31e-03	-0.45	2.96e-04	2.47e-05	0.0
47	46	-0.03	7.31e-03	-0.53	-2.84e-04	-2.61e-05	0.0
47	47	-0.03	-7.31e-03	-0.49	2.96e-04	-2.63e-05	0.0
47	48	0.03	0.01	-0.50	-2.92e-04	2.46e-05	0.0
47	49	0.03	-0.01	-0.45	3.03e-04	2.49e-05	0.0
47	50	-0.03	0.01	-0.53	-2.91e-04	-2.63e-05	0.0
47	51	-0.03	-0.01	-0.48	3.04e-04	-2.61e-05	0.0
47	52	8.81e-03	0.02	-0.56	-9.61e-04	7.25e-06	0.0
47	53	0.01	-0.02	-0.41	9.73e-04	6.59e-06	0.0
47	54	-0.01	0.02	-0.57	-9.61e-04	-8.03e-06	0.0
47	55	-8.83e-03	-0.02	-0.42	9.73e-04	-8.69e-06	0.0
47	56	8.81e-03	0.02	-0.56	-9.61e-04	7.25e-06	0.0
47	57	0.01	-0.02	-0.41	9.73e-04	6.59e-06	0.0
47	58	-0.01	0.02	-0.57	-9.61e-04	-8.03e-06	0.0
47	59	-8.83e-03	-0.02	-0.42	9.73e-04	-8.69e-06	0.0

47	60	0.01	0.05	-0.57	-9.87e-04	6.53e-06	0.0
47	61	8.82e-03	-0.05	-0.41	9.98e-04	7.32e-06	0.0
47	62	-8.84e-03	0.05	-0.58	-9.87e-04	-8.76e-06	0.0
47	63	-0.01	-0.05	-0.42	9.99e-04	-7.97e-06	0.0
47	64	0.01	0.05	-0.57	-9.87e-04	6.53e-06	0.0
47	65	8.82e-03	-0.05	-0.41	9.98e-04	7.32e-06	0.0
47	66	-8.84e-03	0.05	-0.58	-9.87e-04	-8.76e-06	0.0
47	67	-0.01	-0.05	-0.42	9.99e-04	-7.97e-06	0.0
47	68	-1.64e-05	9.45e-03	-0.53	-4.25e-04	0.0	0.0
47	69	-1.17e-05	-1.15e-06	-0.49	5.97e-06	0.0	0.0
47	70	-1.17e-05	-1.15e-06	-0.49	5.97e-06	0.0	0.0
48	1	-4.07e-05	0.07	-0.90	-3.22e-03	-1.03e-06	0.0
48	2	-3.76e-05	0.07	-0.75	-3.22e-03	0.0	0.0
48	3	-2.85e-05	0.05	-0.66	-2.15e-03	0.0	0.0
48	4	0.04	7.25e-03	-0.50	-2.65e-04	2.72e-05	0.0
48	5	0.04	-7.25e-03	-0.45	2.76e-04	2.68e-05	0.0
48	6	-0.04	7.25e-03	-0.53	-2.64e-04	-2.82e-05	0.0
48	7	-0.04	-7.25e-03	-0.49	2.77e-04	-2.86e-05	0.0
48	8	0.04	0.01	-0.50	-2.72e-04	2.68e-05	0.0
48	9	0.04	-0.01	-0.45	2.83e-04	2.72e-05	0.0
48	10	-0.04	0.01	-0.53	-2.71e-04	-2.86e-05	0.0
48	11	-0.04	-0.01	-0.49	2.84e-04	-2.82e-05	0.0
48	12	0.04	7.25e-03	-0.50	-2.65e-04	2.72e-05	0.0
48	13	0.04	-7.25e-03	-0.45	2.76e-04	2.68e-05	0.0
48	14	-0.04	7.25e-03	-0.53	-2.64e-04	-2.82e-05	0.0
48	15	-0.04	-7.25e-03	-0.49	2.77e-04	-2.86e-05	0.0
48	16	0.04	0.01	-0.50	-2.72e-04	2.68e-05	0.0
48	17	0.04	-0.01	-0.45	2.83e-04	2.72e-05	0.0
48	18	-0.04	0.01	-0.53	-2.71e-04	-2.86e-05	0.0
48	19	-0.04	-0.01	-0.49	2.84e-04	-2.82e-05	0.0
48	20	9.64e-03	0.02	-0.56	-8.97e-04	8.18e-06	0.0
48	21	0.01	-0.02	-0.41	9.08e-04	7.05e-06	0.0
48	22	-0.01	0.02	-0.57	-8.96e-04	-8.43e-06	0.0
48	23	-9.66e-03	-0.02	-0.42	9.09e-04	-9.57e-06	0.0
48	24	9.64e-03	0.02	-0.56	-8.97e-04	8.18e-06	0.0
48	25	0.01	-0.02	-0.41	9.08e-04	7.05e-06	0.0
48	26	-0.01	0.02	-0.57	-8.96e-04	-8.43e-06	0.0
48	27	-9.66e-03	-0.02	-0.42	9.09e-04	-9.57e-06	0.0
48	28	0.01	0.04	-0.56	-9.20e-04	6.97e-06	0.0
48	29	9.64e-03	-0.04	-0.41	9.31e-04	8.26e-06	0.0
48	30	-9.66e-03	0.04	-0.57	-9.19e-04	-9.64e-06	0.0
48	31	-0.01	-0.04	-0.42	9.32e-04	-8.36e-06	0.0
48	32	0.01	0.04	-0.56	-9.20e-04	6.97e-06	0.0
48	33	9.64e-03	-0.04	-0.41	9.31e-04	8.26e-06	0.0
48	34	-9.66e-03	0.04	-0.57	-9.19e-04	-9.64e-06	0.0
48	35	-0.01	-0.04	-0.42	9.32e-04	-8.36e-06	0.0
48	36	0.03	7.73e-03	-0.50	-2.85e-04	2.48e-05	0.0
48	37	0.03	-7.73e-03	-0.45	2.96e-04	2.45e-05	0.0
48	38	-0.03	7.73e-03	-0.53	-2.84e-04	-2.59e-05	0.0
48	39	-0.03	-7.73e-03	-0.48	2.97e-04	-2.62e-05	0.0
48	40	0.03	0.01	-0.50	-2.92e-04	2.45e-05	0.0
48	41	0.03	-0.01	-0.45	3.03e-04	2.49e-05	0.0
48	42	-0.03	0.01	-0.53	-2.91e-04	-2.62e-05	0.0
48	43	-0.03	-0.01	-0.48	3.04e-04	-2.58e-05	0.0
48	44	0.03	7.73e-03	-0.50	-2.85e-04	2.48e-05	0.0
48	45	0.03	-7.73e-03	-0.45	2.96e-04	2.45e-05	0.0
48	46	-0.03	7.73e-03	-0.53	-2.84e-04	-2.59e-05	0.0
48	47	-0.03	-7.73e-03	-0.48	2.97e-04	-2.62e-05	0.0
48	48	0.03	0.01	-0.50	-2.92e-04	2.45e-05	0.0
48	49	0.03	-0.01	-0.45	3.03e-04	2.49e-05	0.0
48	50	-0.03	0.01	-0.53	-2.91e-04	-2.62e-05	0.0
48	51	-0.03	-0.01	-0.48	3.04e-04	-2.58e-05	0.0
48	52	8.81e-03	0.03	-0.56	-9.61e-04	7.51e-06	0.0
48	53	0.01	-0.03	-0.41	9.73e-04	6.31e-06	0.0
48	54	-0.01	0.03	-0.57	-9.61e-04	-7.70e-06	0.0
48	55	-8.83e-03	-0.03	-0.42	9.73e-04	-8.89e-06	0.0
48	56	8.81e-03	0.03	-0.56	-9.61e-04	7.51e-06	0.0
48	57	0.01	-0.03	-0.41	9.73e-04	6.31e-06	0.0
48	58	-0.01	0.03	-0.57	-9.61e-04	-7.70e-06	0.0
48	59	-8.83e-03	-0.03	-0.42	9.73e-04	-8.89e-06	0.0
48	60	0.01	0.05	-0.57	-9.86e-04	6.23e-06	0.0
48	61	8.82e-03	-0.05	-0.41	9.98e-04	7.59e-06	0.0
48	62	-8.84e-03	0.05	-0.58	-9.86e-04	-8.98e-06	0.0
48	63	-0.01	-0.05	-0.42	9.98e-04	-7.62e-06	0.0
48	64	0.01	0.05	-0.57	-9.86e-04	6.23e-06	0.0

48	65	8.82e-03	-0.05	-0.41	9.98e-04	7.59e-06	0.0
48	66	-8.84e-03	0.05	-0.58	-9.86e-04	-8.98e-06	0.0
48	67	-0.01	-0.05	-0.42	9.98e-04	-7.62e-06	0.0
48	68	-1.39e-05	9.46e-03	-0.53	-4.24e-04	0.0	0.0
48	69	-1.03e-05	0.0	-0.49	6.00e-06	0.0	0.0
48	70	-1.03e-05	0.0	-0.49	6.00e-06	0.0	0.0
49	1	-3.39e-05	0.07	-0.90	-3.22e-03	0.0	0.0
49	2	-3.13e-05	0.07	-0.75	-3.22e-03	0.0	0.0
49	3	-2.38e-05	0.05	-0.66	-2.15e-03	0.0	0.0
49	4	0.04	7.63e-03	-0.50	-2.65e-04	2.72e-05	0.0
49	5	0.04	-7.64e-03	-0.46	2.77e-04	2.67e-05	0.0
49	6	-0.04	7.64e-03	-0.53	-2.65e-04	-2.79e-05	0.0
49	7	-0.04	-7.64e-03	-0.48	2.77e-04	-2.84e-05	0.0
49	8	0.04	0.01	-0.50	-2.72e-04	2.67e-05	0.0
49	9	0.04	-0.01	-0.46	2.83e-04	2.72e-05	0.0
49	10	-0.04	0.01	-0.53	-2.71e-04	-2.84e-05	0.0
49	11	-0.04	-0.01	-0.48	2.84e-04	-2.78e-05	0.0
49	12	0.04	7.63e-03	-0.50	-2.65e-04	2.72e-05	0.0
49	13	0.04	-7.64e-03	-0.46	2.77e-04	2.67e-05	0.0
49	14	-0.04	7.64e-03	-0.53	-2.65e-04	-2.79e-05	0.0
49	15	-0.04	-7.64e-03	-0.48	2.77e-04	-2.84e-05	0.0
49	16	0.04	0.01	-0.50	-2.72e-04	2.67e-05	0.0
49	17	0.04	-0.01	-0.46	2.83e-04	2.72e-05	0.0
49	18	-0.04	0.01	-0.53	-2.71e-04	-2.84e-05	0.0
49	19	-0.04	-0.01	-0.48	2.84e-04	-2.78e-05	0.0
49	20	9.65e-03	0.03	-0.56	-8.97e-04	8.43e-06	0.0
49	21	0.01	-0.03	-0.42	9.09e-04	6.89e-06	0.0
49	22	-0.01	0.03	-0.57	-8.97e-04	-8.08e-06	0.0
49	23	-9.67e-03	-0.03	-0.42	9.09e-04	-9.62e-06	0.0
49	24	9.65e-03	0.03	-0.56	-8.97e-04	8.43e-06	0.0
49	25	0.01	-0.03	-0.42	9.09e-04	6.89e-06	0.0
49	26	-0.01	0.03	-0.57	-8.97e-04	-8.08e-06	0.0
49	27	-9.67e-03	-0.03	-0.42	9.09e-04	-9.62e-06	0.0
49	28	0.01	0.04	-0.56	-9.19e-04	6.76e-06	0.0
49	29	9.64e-03	-0.04	-0.41	9.31e-04	8.57e-06	0.0
49	30	-9.66e-03	0.04	-0.57	-9.19e-04	-9.76e-06	0.0
49	31	-0.01	-0.04	-0.42	9.31e-04	-7.95e-06	0.0
49	32	0.01	0.04	-0.56	-9.19e-04	6.76e-06	0.0
49	33	9.64e-03	-0.04	-0.41	9.31e-04	8.57e-06	0.0
49	34	-9.66e-03	0.04	-0.57	-9.19e-04	-9.76e-06	0.0
49	35	-0.01	-0.04	-0.42	9.31e-04	-7.95e-06	0.0
49	36	0.03	8.14e-03	-0.50	-2.85e-04	2.48e-05	0.0
49	37	0.03	-8.15e-03	-0.46	2.96e-04	2.44e-05	0.0
49	38	-0.03	8.14e-03	-0.53	-2.84e-04	-2.55e-05	0.0
49	39	-0.03	-8.14e-03	-0.48	2.97e-04	-2.60e-05	0.0
49	40	0.03	0.01	-0.50	-2.92e-04	2.43e-05	0.0
49	41	0.03	-0.01	-0.45	3.03e-04	2.49e-05	0.0
49	42	-0.03	0.01	-0.53	-2.91e-04	-2.61e-05	0.0
49	43	-0.03	-0.01	-0.48	3.04e-04	-2.55e-05	0.0
49	44	0.03	8.14e-03	-0.50	-2.85e-04	2.48e-05	0.0
49	45	0.03	-8.15e-03	-0.46	2.96e-04	2.44e-05	0.0
49	46	-0.03	8.14e-03	-0.53	-2.84e-04	-2.55e-05	0.0
49	47	-0.03	-8.14e-03	-0.48	2.97e-04	-2.60e-05	0.0
49	48	0.03	0.01	-0.50	-2.92e-04	2.43e-05	0.0
49	49	0.03	-0.01	-0.45	3.03e-04	2.49e-05	0.0
49	50	-0.03	0.01	-0.53	-2.91e-04	-2.61e-05	0.0
49	51	-0.03	-0.01	-0.48	3.04e-04	-2.55e-05	0.0
49	52	8.82e-03	0.03	-0.57	-9.62e-04	7.77e-06	0.0
49	53	0.01	-0.03	-0.41	9.74e-04	6.15e-06	0.0
49	54	-0.01	0.03	-0.57	-9.62e-04	-7.34e-06	0.0
49	55	-8.84e-03	-0.03	-0.42	9.74e-04	-8.96e-06	0.0
49	56	8.82e-03	0.03	-0.57	-9.62e-04	7.77e-06	0.0
49	57	0.01	-0.03	-0.41	9.74e-04	6.15e-06	0.0
49	58	-0.01	0.03	-0.57	-9.62e-04	-7.34e-06	0.0
49	59	-8.84e-03	-0.03	-0.42	9.74e-04	-8.96e-06	0.0
49	60	0.01	0.05	-0.57	-9.85e-04	6.00e-06	0.0
49	61	8.82e-03	-0.05	-0.41	9.97e-04	7.92e-06	0.0
49	62	-8.84e-03	0.05	-0.57	-9.85e-04	-9.11e-06	0.0
49	63	-0.01	-0.05	-0.42	9.97e-04	-7.19e-06	0.0
49	64	0.01	0.05	-0.57	-9.85e-04	6.00e-06	0.0
49	65	8.82e-03	-0.05	-0.41	9.97e-04	7.92e-06	0.0
49	66	-8.84e-03	0.05	-0.57	-9.85e-04	-9.11e-06	0.0
49	67	-0.01	-0.05	-0.42	9.97e-04	-7.19e-06	0.0
49	68	-1.17e-05	9.46e-03	-0.53	-4.24e-04	0.0	0.0
49	69	-8.72e-06	0.0	-0.49	6.00e-06	0.0	0.0

49	70	-8.72e-06	0.0	-0.49	6.00e-06	0.0	0.0
50	1	-2.97e-05	0.07	-0.90	-3.22e-03	0.0	0.0
50	2	-2.75e-05	0.07	-0.75	-3.22e-03	0.0	0.0
50	3	-2.08e-05	0.05	-0.66	-2.15e-03	0.0	0.0
50	4	0.04	8.02e-03	-0.50	-2.66e-04	2.71e-05	0.0
50	5	0.04	-8.02e-03	-0.46	2.77e-04	2.66e-05	0.0
50	6	-0.04	8.02e-03	-0.53	-2.65e-04	-2.76e-05	0.0
50	7	-0.04	-8.02e-03	-0.48	2.78e-04	-2.82e-05	0.0
50	8	0.04	0.01	-0.50	-2.71e-04	2.65e-05	0.0
50	9	0.04	-0.01	-0.46	2.83e-04	2.72e-05	0.0
50	10	-0.04	0.01	-0.53	-2.71e-04	-2.82e-05	0.0
50	11	-0.04	-0.01	-0.48	2.83e-04	-2.75e-05	0.0
50	12	0.04	8.02e-03	-0.50	-2.66e-04	2.71e-05	0.0
50	13	0.04	-8.02e-03	-0.46	2.77e-04	2.66e-05	0.0
50	14	-0.04	8.02e-03	-0.53	-2.65e-04	-2.76e-05	0.0
50	15	-0.04	-8.02e-03	-0.48	2.78e-04	-2.82e-05	0.0
50	16	0.04	0.01	-0.50	-2.71e-04	2.65e-05	0.0
50	17	0.04	-0.01	-0.46	2.83e-04	2.72e-05	0.0
50	18	-0.04	0.01	-0.53	-2.71e-04	-2.82e-05	0.0
50	19	-0.04	-0.01	-0.48	2.83e-04	-2.75e-05	0.0
50	20	9.65e-03	0.03	-0.56	-8.98e-04	8.66e-06	0.0
50	21	0.01	-0.03	-0.42	9.10e-04	6.73e-06	0.0
50	22	-0.01	0.03	-0.57	-8.98e-04	-7.75e-06	0.0
50	23	-9.67e-03	-0.03	-0.42	9.10e-04	-9.68e-06	0.0
50	24	9.65e-03	0.03	-0.56	-8.98e-04	8.66e-06	0.0
50	25	0.01	-0.03	-0.42	9.10e-04	6.73e-06	0.0
50	26	-0.01	0.03	-0.57	-8.98e-04	-7.75e-06	0.0
50	27	-9.67e-03	-0.03	-0.42	9.10e-04	-9.68e-06	0.0
50	28	0.01	0.04	-0.56	-9.18e-04	6.60e-06	0.0
50	29	9.65e-03	-0.04	-0.41	9.29e-04	8.79e-06	0.0
50	30	-9.66e-03	0.04	-0.57	-9.17e-04	-9.81e-06	0.0
50	31	-0.01	-0.04	-0.42	9.30e-04	-7.62e-06	0.0
50	32	0.01	0.04	-0.56	-9.18e-04	6.60e-06	0.0
50	33	9.65e-03	-0.04	-0.41	9.29e-04	8.79e-06	0.0
50	34	-9.66e-03	0.04	-0.57	-9.17e-04	-9.81e-06	0.0
50	35	-0.01	-0.04	-0.42	9.30e-04	-7.62e-06	0.0
50	36	0.03	8.56e-03	-0.50	-2.85e-04	2.48e-05	0.0
50	37	0.03	-8.56e-03	-0.46	2.96e-04	2.42e-05	0.0
50	38	-0.03	8.56e-03	-0.53	-2.84e-04	-2.52e-05	0.0
50	39	-0.03	-8.56e-03	-0.48	2.97e-04	-2.58e-05	0.0
50	40	0.03	0.01	-0.50	-2.91e-04	2.42e-05	0.0
50	41	0.03	-0.01	-0.46	3.03e-04	2.49e-05	0.0
50	42	-0.03	0.01	-0.53	-2.91e-04	-2.59e-05	0.0
50	43	-0.03	-0.01	-0.48	3.03e-04	-2.52e-05	0.0
50	44	0.03	8.56e-03	-0.50	-2.85e-04	2.48e-05	0.0
50	45	0.03	-8.56e-03	-0.46	2.96e-04	2.42e-05	0.0
50	46	-0.03	8.56e-03	-0.53	-2.84e-04	-2.52e-05	0.0
50	47	-0.03	-8.56e-03	-0.48	2.97e-04	-2.58e-05	0.0
50	48	0.03	0.01	-0.50	-2.91e-04	2.42e-05	0.0
50	49	0.03	-0.01	-0.46	3.03e-04	2.49e-05	0.0
50	50	-0.03	0.01	-0.53	-2.91e-04	-2.59e-05	0.0
50	51	-0.03	-0.01	-0.48	3.03e-04	-2.52e-05	0.0
50	52	8.83e-03	0.03	-0.57	-9.63e-04	8.01e-06	0.0
50	53	0.01	-0.03	-0.41	9.75e-04	5.98e-06	0.0
50	54	-0.01	0.03	-0.57	-9.63e-04	-7.00e-06	0.0
50	55	-8.84e-03	-0.03	-0.42	9.75e-04	-9.03e-06	0.0
50	56	8.83e-03	0.03	-0.57	-9.63e-04	8.01e-06	0.0
50	57	0.01	-0.03	-0.41	9.75e-04	5.98e-06	0.0
50	58	-0.01	0.03	-0.57	-9.63e-04	-7.00e-06	0.0
50	59	-8.84e-03	-0.03	-0.42	9.75e-04	-9.03e-06	0.0
50	60	0.01	0.05	-0.57	-9.84e-04	5.83e-06	0.0
50	61	8.82e-03	-0.05	-0.41	9.96e-04	8.16e-06	0.0
50	62	-8.84e-03	0.05	-0.57	-9.84e-04	-9.18e-06	0.0
50	63	-0.01	-0.05	-0.42	9.96e-04	-6.85e-06	0.0
50	64	0.01	0.05	-0.57	-9.84e-04	5.83e-06	0.0
50	65	8.82e-03	-0.05	-0.41	9.96e-04	8.16e-06	0.0
50	66	-8.84e-03	0.05	-0.57	-9.84e-04	-9.18e-06	0.0
50	67	-0.01	-0.05	-0.42	9.96e-04	-6.85e-06	0.0
50	68	-9.99e-06	9.46e-03	-0.53	-4.24e-04	0.0	0.0
50	69	-7.31e-06	0.0	-0.49	6.01e-06	0.0	0.0
50	70	-7.31e-06	0.0	-0.49	6.01e-06	0.0	0.0
51	1	-2.59e-05	0.07	-0.90	-3.22e-03	0.0	0.0
51	2	-2.41e-05	0.07	-0.75	-3.22e-03	0.0	0.0
51	3	-1.80e-05	0.05	-0.66	-2.15e-03	0.0	0.0
51	4	0.04	8.41e-03	-0.50	-2.66e-04	2.71e-05	0.0

51	5	0.04	-8.41e-03	-0.46	2.77e-04	2.64e-05	0.0
51	6	-0.04	8.41e-03	-0.52	-2.65e-04	-2.73e-05	0.0
51	7	-0.04	-8.41e-03	-0.48	2.78e-04	-2.80e-05	0.0
51	8	0.04	0.01	-0.50	-2.71e-04	2.64e-05	0.0
51	9	0.04	-0.01	-0.46	2.82e-04	2.71e-05	0.0
51	10	-0.04	0.01	-0.52	-2.70e-04	-2.80e-05	0.0
51	11	-0.04	-0.01	-0.48	2.83e-04	-2.72e-05	0.0
51	12	0.04	8.41e-03	-0.50	-2.66e-04	2.71e-05	0.0
51	13	0.04	-8.41e-03	-0.46	2.77e-04	2.64e-05	0.0
51	14	-0.04	8.41e-03	-0.52	-2.65e-04	-2.73e-05	0.0
51	15	-0.04	-8.41e-03	-0.48	2.78e-04	-2.80e-05	0.0
51	16	0.04	0.01	-0.50	-2.71e-04	2.64e-05	0.0
51	17	0.04	-0.01	-0.46	2.82e-04	2.71e-05	0.0
51	18	-0.04	0.01	-0.52	-2.70e-04	-2.80e-05	0.0
51	19	-0.04	-0.01	-0.48	2.83e-04	-2.72e-05	0.0
51	20	9.66e-03	0.03	-0.56	-8.99e-04	8.86e-06	0.0
51	21	0.01	-0.03	-0.42	9.11e-04	6.59e-06	0.0
51	22	-0.01	0.03	-0.57	-8.99e-04	-7.45e-06	0.0
51	23	-9.67e-03	-0.03	-0.42	9.12e-04	-9.72e-06	0.0
51	24	9.66e-03	0.03	-0.56	-8.99e-04	8.86e-06	0.0
51	25	0.01	-0.03	-0.42	9.11e-04	6.59e-06	0.0
51	26	-0.01	0.03	-0.57	-8.99e-04	-7.45e-06	0.0
51	27	-9.67e-03	-0.03	-0.42	9.12e-04	-9.72e-06	0.0
51	28	0.01	0.04	-0.56	-9.16e-04	6.48e-06	0.0
51	29	9.65e-03	-0.04	-0.41	9.28e-04	8.97e-06	0.0
51	30	-9.66e-03	0.04	-0.57	-9.16e-04	-9.83e-06	0.0
51	31	-0.01	-0.04	-0.42	9.28e-04	-7.34e-06	0.0
51	32	0.01	0.04	-0.56	-9.16e-04	6.48e-06	0.0
51	33	9.65e-03	-0.04	-0.41	9.28e-04	8.97e-06	0.0
51	34	-9.66e-03	0.04	-0.57	-9.16e-04	-9.83e-06	0.0
51	35	-0.01	-0.04	-0.42	9.28e-04	-7.34e-06	0.0
51	36	0.03	8.97e-03	-0.51	-2.85e-04	2.48e-05	0.0
51	37	0.03	-8.98e-03	-0.46	2.97e-04	2.41e-05	0.0
51	38	-0.03	8.98e-03	-0.52	-2.85e-04	-2.49e-05	0.0
51	39	-0.03	-8.97e-03	-0.48	2.97e-04	-2.57e-05	0.0
51	40	0.03	0.01	-0.51	-2.91e-04	2.40e-05	0.0
51	41	0.03	-0.01	-0.46	3.02e-04	2.48e-05	0.0
51	42	-0.03	0.01	-0.52	-2.90e-04	-2.57e-05	0.0
51	43	-0.03	-0.01	-0.48	3.03e-04	-2.49e-05	0.0
51	44	0.03	8.97e-03	-0.51	-2.85e-04	2.48e-05	0.0
51	45	0.03	-8.98e-03	-0.46	2.97e-04	2.41e-05	0.0
51	46	-0.03	8.98e-03	-0.52	-2.85e-04	-2.49e-05	0.0
51	47	-0.03	-8.97e-03	-0.48	2.97e-04	-2.57e-05	0.0
51	48	0.03	0.01	-0.51	-2.91e-04	2.40e-05	0.0
51	49	0.03	-0.01	-0.46	3.02e-04	2.48e-05	0.0
51	50	-0.03	0.01	-0.52	-2.90e-04	-2.57e-05	0.0
51	51	-0.03	-0.01	-0.48	3.03e-04	-2.49e-05	0.0
51	52	8.83e-03	0.03	-0.57	-9.64e-04	8.23e-06	0.0
51	53	0.01	-0.03	-0.41	9.76e-04	5.82e-06	0.0
51	54	-0.01	0.03	-0.57	-9.64e-04	-6.68e-06	0.0
51	55	-8.84e-03	-0.03	-0.42	9.76e-04	-9.10e-06	0.0
51	56	8.83e-03	0.03	-0.57	-9.64e-04	8.23e-06	0.0
51	57	0.01	-0.03	-0.41	9.76e-04	5.82e-06	0.0
51	58	-0.01	0.03	-0.57	-9.64e-04	-6.68e-06	0.0
51	59	-8.84e-03	-0.03	-0.42	9.76e-04	-9.10e-06	0.0
51	60	0.01	0.04	-0.57	-9.82e-04	5.70e-06	0.0
51	61	8.83e-03	-0.04	-0.41	9.94e-04	8.35e-06	0.0
51	62	-8.84e-03	0.04	-0.57	-9.82e-04	-9.22e-06	0.0
51	63	-0.01	-0.04	-0.42	9.94e-04	-6.56e-06	0.0
51	64	0.01	0.04	-0.57	-9.82e-04	5.70e-06	0.0
51	65	8.83e-03	-0.04	-0.41	9.94e-04	8.35e-06	0.0
51	66	-8.84e-03	0.04	-0.57	-9.82e-04	-9.22e-06	0.0
51	67	-0.01	-0.04	-0.42	9.94e-04	-6.56e-06	0.0
51	68	-8.40e-06	9.46e-03	-0.53	-4.24e-04	0.0	0.0
51	69	-5.99e-06	0.0	-0.49	6.01e-06	0.0	0.0
51	70	-5.99e-06	0.0	-0.49	6.01e-06	0.0	0.0
52	1	-2.09e-05	0.07	-0.90	-3.22e-03	0.0	0.0
52	2	-1.95e-05	0.07	-0.75	-3.22e-03	0.0	0.0
52	3	-1.46e-05	0.05	-0.66	-2.15e-03	0.0	0.0
52	4	0.04	8.79e-03	-0.51	-2.66e-04	2.71e-05	0.0
52	5	0.04	-8.80e-03	-0.46	2.78e-04	2.63e-05	0.0
52	6	-0.04	8.79e-03	-0.52	-2.66e-04	-2.70e-05	0.0
52	7	-0.04	-8.79e-03	-0.48	2.78e-04	-2.77e-05	0.0
52	8	0.04	0.01	-0.51	-2.70e-04	2.63e-05	0.0
52	9	0.04	-0.01	-0.46	2.82e-04	2.71e-05	0.0

52	10	-0.04	0.01	-0.52	-2.70e-04	-2.78e-05	0.0
52	11	-0.04	-0.01	-0.48	2.82e-04	-2.70e-05	0.0
52	12	0.04	8.79e-03	-0.51	-2.66e-04	2.71e-05	0.0
52	13	0.04	-8.80e-03	-0.46	2.78e-04	2.63e-05	0.0
52	14	-0.04	8.79e-03	-0.52	-2.66e-04	-2.70e-05	0.0
52	15	-0.04	-8.79e-03	-0.48	2.78e-04	-2.77e-05	0.0
52	16	0.04	0.01	-0.51	-2.70e-04	2.63e-05	0.0
52	17	0.04	-0.01	-0.46	2.82e-04	2.71e-05	0.0
52	18	-0.04	0.01	-0.52	-2.70e-04	-2.78e-05	0.0
52	19	-0.04	-0.01	-0.48	2.82e-04	-2.70e-05	0.0
52	20	9.66e-03	0.03	-0.56	-9.01e-04	9.05e-06	0.0
52	21	0.01	-0.03	-0.42	9.13e-04	6.49e-06	0.0
52	22	-0.01	0.03	-0.57	-9.01e-04	-7.17e-06	0.0
52	23	-9.67e-03	-0.03	-0.42	9.13e-04	-9.73e-06	0.0
52	24	9.66e-03	0.03	-0.56	-9.01e-04	9.05e-06	0.0
52	25	0.01	-0.03	-0.42	9.13e-04	6.49e-06	0.0
52	26	-0.01	0.03	-0.57	-9.01e-04	-7.17e-06	0.0
52	27	-9.67e-03	-0.03	-0.42	9.13e-04	-9.73e-06	0.0
52	28	0.01	0.04	-0.56	-9.15e-04	6.39e-06	0.0
52	29	9.66e-03	-0.04	-0.42	9.27e-04	9.14e-06	0.0
52	30	-9.67e-03	0.04	-0.57	-9.15e-04	-9.82e-06	0.0
52	31	-0.01	-0.04	-0.42	9.27e-04	-7.07e-06	0.0
52	32	0.01	0.04	-0.56	-9.15e-04	6.39e-06	0.0
52	33	9.66e-03	-0.04	-0.42	9.27e-04	9.14e-06	0.0
52	34	-9.67e-03	0.04	-0.57	-9.15e-04	-9.82e-06	0.0
52	35	-0.01	-0.04	-0.42	9.27e-04	-7.07e-06	0.0
52	36	0.03	9.39e-03	-0.51	-2.86e-04	2.48e-05	0.0
52	37	0.03	-9.39e-03	-0.46	2.97e-04	2.40e-05	0.0
52	38	-0.03	9.39e-03	-0.52	-2.85e-04	-2.46e-05	0.0
52	39	-0.03	-9.39e-03	-0.48	2.98e-04	-2.55e-05	0.0
52	40	0.03	0.01	-0.51	-2.90e-04	2.39e-05	0.0
52	41	0.03	-0.01	-0.46	3.02e-04	2.48e-05	0.0
52	42	-0.03	0.01	-0.52	-2.90e-04	-2.55e-05	0.0
52	43	-0.03	-0.01	-0.48	3.02e-04	-2.46e-05	0.0
52	44	0.03	9.39e-03	-0.51	-2.86e-04	2.48e-05	0.0
52	45	0.03	-9.39e-03	-0.46	2.97e-04	2.40e-05	0.0
52	46	-0.03	9.39e-03	-0.52	-2.85e-04	-2.46e-05	0.0
52	47	-0.03	-9.39e-03	-0.48	2.98e-04	-2.55e-05	0.0
52	48	0.03	0.01	-0.51	-2.90e-04	2.39e-05	0.0
52	49	0.03	-0.01	-0.46	3.02e-04	2.48e-05	0.0
52	50	-0.03	0.01	-0.52	-2.90e-04	-2.55e-05	0.0
52	51	-0.03	-0.01	-0.48	3.02e-04	-2.46e-05	0.0
52	52	8.84e-03	0.03	-0.57	-9.66e-04	8.44e-06	0.0
52	53	0.01	-0.03	-0.41	9.78e-04	5.71e-06	0.0
52	54	-0.01	0.03	-0.57	-9.66e-04	-6.39e-06	0.0
52	55	-8.85e-03	-0.03	-0.42	9.78e-04	-9.12e-06	0.0
52	56	8.84e-03	0.03	-0.57	-9.66e-04	8.44e-06	0.0
52	57	0.01	-0.03	-0.41	9.78e-04	5.71e-06	0.0
52	58	-0.01	0.03	-0.57	-9.66e-04	-6.39e-06	0.0
52	59	-8.85e-03	-0.03	-0.42	9.78e-04	-9.12e-06	0.0
52	60	0.01	0.04	-0.57	-9.81e-04	5.60e-06	0.0
52	61	8.83e-03	-0.04	-0.41	9.93e-04	8.54e-06	0.0
52	62	-8.84e-03	0.04	-0.57	-9.81e-04	-9.22e-06	0.0
52	63	-0.01	-0.04	-0.41	9.93e-04	-6.28e-06	0.0
52	64	0.01	0.04	-0.57	-9.81e-04	5.60e-06	0.0
52	65	8.83e-03	-0.04	-0.41	9.93e-04	8.54e-06	0.0
52	66	-8.84e-03	0.04	-0.57	-9.81e-04	-9.22e-06	0.0
52	67	-0.01	-0.04	-0.41	9.93e-04	-6.28e-06	0.0
52	68	-6.71e-06	9.47e-03	-0.53	-4.24e-04	0.0	0.0
52	69	-4.74e-06	0.0	-0.49	6.00e-06	0.0	0.0
52	70	-4.74e-06	0.0	-0.49	6.00e-06	0.0	0.0
53	1	-1.57e-05	0.07	-0.90	-3.22e-03	0.0	0.0
53	2	-1.46e-05	0.07	-0.75	-3.22e-03	0.0	0.0
53	3	-1.09e-05	0.05	-0.66	-2.15e-03	0.0	0.0
53	4	0.04	9.18e-03	-0.51	-2.67e-04	2.71e-05	0.0
53	5	0.04	-9.18e-03	-0.46	2.78e-04	2.62e-05	0.0
53	6	-0.04	9.18e-03	-0.52	-2.66e-04	-2.67e-05	0.0
53	7	-0.04	-9.18e-03	-0.48	2.79e-04	-2.76e-05	0.0
53	8	0.04	0.01	-0.51	-2.70e-04	2.62e-05	0.0
53	9	0.04	-0.01	-0.46	2.82e-04	2.71e-05	0.0
53	10	-0.04	0.01	-0.52	-2.70e-04	-2.76e-05	0.0
53	11	-0.04	-0.01	-0.48	2.82e-04	-2.67e-05	0.0
53	12	0.04	9.18e-03	-0.51	-2.67e-04	2.71e-05	0.0
53	13	0.04	-9.18e-03	-0.46	2.78e-04	2.62e-05	0.0
53	14	-0.04	9.18e-03	-0.52	-2.66e-04	-2.67e-05	0.0

53	15	-0.04	-9.18e-03	-0.48	2.79e-04	-2.76e-05	0.0
53	16	0.04	0.01	-0.51	-2.70e-04	2.62e-05	0.0
53	17	0.04	-0.01	-0.46	2.82e-04	2.71e-05	0.0
53	18	-0.04	0.01	-0.52	-2.70e-04	-2.76e-05	0.0
53	19	-0.04	-0.01	-0.48	2.82e-04	-2.67e-05	0.0
53	20	9.67e-03	0.03	-0.56	-9.02e-04	9.22e-06	0.0
53	21	0.01	-0.03	-0.42	9.14e-04	6.42e-06	0.0
53	22	-0.01	0.03	-0.57	-9.02e-04	-6.92e-06	0.0
53	23	-9.67e-03	-0.03	-0.42	9.14e-04	-9.72e-06	0.0
53	24	9.67e-03	0.03	-0.56	-9.02e-04	9.22e-06	0.0
53	25	0.01	-0.03	-0.42	9.14e-04	6.42e-06	0.0
53	26	-0.01	0.03	-0.57	-9.02e-04	-6.92e-06	0.0
53	27	-9.67e-03	-0.03	-0.42	9.14e-04	-9.72e-06	0.0
53	28	0.01	0.04	-0.56	-9.13e-04	6.35e-06	0.0
53	29	9.66e-03	-0.04	-0.42	9.25e-04	9.30e-06	0.0
53	30	-9.67e-03	0.04	-0.57	-9.13e-04	-9.79e-06	0.0
53	31	-0.01	-0.04	-0.42	9.25e-04	-6.84e-06	0.0
53	32	0.01	0.04	-0.56	-9.13e-04	6.35e-06	0.0
53	33	9.66e-03	-0.04	-0.42	9.25e-04	9.30e-06	0.0
53	34	-9.67e-03	0.04	-0.57	-9.13e-04	-9.79e-06	0.0
53	35	-0.01	-0.04	-0.42	9.25e-04	-6.84e-06	0.0
53	36	0.03	9.80e-03	-0.51	-2.86e-04	2.48e-05	0.0
53	37	0.03	-9.81e-03	-0.46	2.98e-04	2.39e-05	0.0
53	38	-0.03	9.81e-03	-0.52	-2.86e-04	-2.44e-05	0.0
53	39	-0.03	-9.81e-03	-0.47	2.98e-04	-2.53e-05	0.0
53	40	0.03	0.01	-0.51	-2.90e-04	2.39e-05	0.0
53	41	0.03	-0.01	-0.46	3.01e-04	2.48e-05	0.0
53	42	-0.03	0.01	-0.52	-2.89e-04	-2.53e-05	0.0
53	43	-0.03	-0.01	-0.47	3.02e-04	-2.44e-05	0.0
53	44	0.03	9.80e-03	-0.51	-2.86e-04	2.48e-05	0.0
53	45	0.03	-9.81e-03	-0.46	2.98e-04	2.39e-05	0.0
53	46	-0.03	9.81e-03	-0.52	-2.86e-04	-2.44e-05	0.0
53	47	-0.03	-9.81e-03	-0.47	2.98e-04	-2.53e-05	0.0
53	48	0.03	0.01	-0.51	-2.90e-04	2.39e-05	0.0
53	49	0.03	-0.01	-0.46	3.01e-04	2.48e-05	0.0
53	50	-0.03	0.01	-0.52	-2.89e-04	-2.53e-05	0.0
53	51	-0.03	-0.01	-0.47	3.02e-04	-2.44e-05	0.0
53	52	8.84e-03	0.03	-0.57	-9.68e-04	8.62e-06	0.0
53	53	0.01	-0.03	-0.41	9.80e-04	5.64e-06	0.0
53	54	-0.01	0.03	-0.57	-9.67e-04	-6.13e-06	0.0
53	55	-8.85e-03	-0.03	-0.42	9.80e-04	-9.12e-06	0.0
53	56	8.84e-03	0.03	-0.57	-9.68e-04	8.62e-06	0.0
53	57	0.01	-0.03	-0.41	9.80e-04	5.64e-06	0.0
53	58	-0.01	0.03	-0.57	-9.67e-04	-6.13e-06	0.0
53	59	-8.85e-03	-0.03	-0.42	9.80e-04	-9.12e-06	0.0
53	60	0.01	0.04	-0.57	-9.79e-04	5.55e-06	0.0
53	61	8.84e-03	-0.04	-0.41	9.91e-04	8.71e-06	0.0
53	62	-8.84e-03	0.04	-0.57	-9.79e-04	-9.20e-06	0.0
53	63	-0.01	-0.04	-0.41	9.91e-04	-6.05e-06	0.0
53	64	0.01	0.04	-0.57	-9.79e-04	5.55e-06	0.0
53	65	8.84e-03	-0.04	-0.41	9.91e-04	8.71e-06	0.0
53	66	-8.84e-03	0.04	-0.57	-9.79e-04	-9.20e-06	0.0
53	67	-0.01	-0.04	-0.41	9.91e-04	-6.05e-06	0.0
53	68	-5.01e-06	9.47e-03	-0.53	-4.24e-04	0.0	0.0
53	69	-3.52e-06	0.0	-0.49	6.00e-06	0.0	0.0
53	70	-3.52e-06	0.0	-0.49	6.00e-06	0.0	0.0
54	1	-1.11e-05	0.07	-0.90	-3.22e-03	0.0	0.0
54	2	-1.04e-05	0.07	-0.75	-3.22e-03	0.0	0.0
54	3	-7.74e-06	0.05	-0.66	-2.15e-03	0.0	0.0
54	4	0.04	9.57e-03	-0.51	-2.67e-04	2.71e-05	0.0
54	5	0.04	-9.57e-03	-0.47	2.79e-04	2.62e-05	0.0
54	6	-0.04	9.57e-03	-0.52	-2.67e-04	-2.65e-05	0.0
54	7	-0.04	-9.57e-03	-0.47	2.79e-04	-2.74e-05	0.0
54	8	0.04	0.01	-0.51	-2.69e-04	2.62e-05	0.0
54	9	0.04	-0.01	-0.47	2.81e-04	2.71e-05	0.0
54	10	-0.04	0.01	-0.52	-2.69e-04	-2.74e-05	0.0
54	11	-0.04	-0.01	-0.47	2.81e-04	-2.65e-05	0.0
54	12	0.04	9.57e-03	-0.51	-2.67e-04	2.71e-05	0.0
54	13	0.04	-9.57e-03	-0.47	2.79e-04	2.62e-05	0.0
54	14	-0.04	9.57e-03	-0.52	-2.67e-04	-2.65e-05	0.0
54	15	-0.04	-9.57e-03	-0.47	2.79e-04	-2.74e-05	0.0
54	16	0.04	0.01	-0.51	-2.69e-04	2.62e-05	0.0
54	17	0.04	-0.01	-0.47	2.81e-04	2.71e-05	0.0
54	18	-0.04	0.01	-0.52	-2.69e-04	-2.74e-05	0.0
54	19	-0.04	-0.01	-0.47	2.81e-04	-2.65e-05	0.0

54	20	9.67e-03	0.03	-0.56	-9.04e-04	9.37e-06	0.0
54	21	0.01	-0.03	-0.42	9.16e-04	6.38e-06	0.0
54	22	-0.01	0.03	-0.57	-9.04e-04	-6.72e-06	0.0
54	23	-9.67e-03	-0.03	-0.42	9.16e-04	-9.71e-06	0.0
54	24	9.67e-03	0.03	-0.56	-9.04e-04	9.37e-06	0.0
54	25	0.01	-0.03	-0.42	9.16e-04	6.38e-06	0.0
54	26	-0.01	0.03	-0.57	-9.04e-04	-6.72e-06	0.0
54	27	-9.67e-03	-0.03	-0.42	9.16e-04	-9.71e-06	0.0
54	28	0.01	0.04	-0.56	-9.11e-04	6.33e-06	0.0
54	29	9.66e-03	-0.04	-0.42	9.23e-04	9.41e-06	0.0
54	30	-9.67e-03	0.04	-0.57	-9.11e-04	-9.75e-06	0.0
54	31	-0.01	-0.04	-0.42	9.23e-04	-9.71e-06	0.0
54	32	0.01	0.04	-0.56	-9.11e-04	6.33e-06	0.0
54	33	9.66e-03	-0.04	-0.42	9.23e-04	9.41e-06	0.0
54	34	-9.67e-03	0.04	-0.57	-9.11e-04	-9.75e-06	0.0
54	35	-0.01	-0.04	-0.42	9.23e-04	-9.71e-06	0.0
54	36	0.03	0.01	-0.51	-2.87e-04	2.48e-05	0.0
54	37	0.03	-0.01	-0.46	2.98e-04	2.38e-05	0.0
54	38	-0.03	0.01	-0.52	-2.86e-04	-2.42e-05	0.0
54	39	-0.03	-0.01	-0.47	2.99e-04	-2.51e-05	0.0
54	40	0.03	0.01	-0.51	-2.89e-04	2.38e-05	0.0
54	41	0.03	-0.01	-0.46	3.01e-04	2.48e-05	0.0
54	42	-0.03	0.01	-0.52	-2.89e-04	-2.52e-05	0.0
54	43	-0.03	-0.01	-0.47	3.01e-04	-2.42e-05	0.0
54	44	0.03	0.01	-0.51	-2.87e-04	2.48e-05	0.0
54	45	0.03	-0.01	-0.46	2.98e-04	2.38e-05	0.0
54	46	-0.03	0.01	-0.52	-2.86e-04	-2.42e-05	0.0
54	47	-0.03	-0.01	-0.47	2.99e-04	-2.51e-05	0.0
54	48	0.03	0.01	-0.51	-2.89e-04	2.38e-05	0.0
54	49	0.03	-0.01	-0.46	3.01e-04	2.48e-05	0.0
54	50	-0.03	0.01	-0.52	-2.89e-04	-2.52e-05	0.0
54	51	-0.03	-0.01	-0.47	3.01e-04	-2.42e-05	0.0
54	52	8.84e-03	0.03	-0.57	-9.69e-04	8.78e-06	0.0
54	53	0.01	-0.03	-0.41	9.81e-04	5.58e-06	0.0
54	54	-0.01	0.03	-0.57	-9.69e-04	-5.92e-06	0.0
54	55	-8.85e-03	-0.03	-0.41	9.81e-04	-9.11e-06	0.0
54	56	8.84e-03	0.03	-0.57	-9.69e-04	8.78e-06	0.0
54	57	0.01	-0.03	-0.41	9.81e-04	5.58e-06	0.0
54	58	-0.01	0.03	-0.57	-9.69e-04	-5.92e-06	0.0
54	59	-8.85e-03	-0.03	-0.41	9.81e-04	-9.11e-06	0.0
54	60	0.01	0.04	-0.57	-9.77e-04	5.54e-06	0.0
54	61	8.84e-03	-0.04	-0.41	9.89e-04	8.82e-06	0.0
54	62	-8.84e-03	0.04	-0.57	-9.77e-04	-9.16e-06	0.0
54	63	-0.01	-0.04	-0.41	9.89e-04	-5.87e-06	0.0
54	64	0.01	0.04	-0.57	-9.77e-04	5.54e-06	0.0
54	65	8.84e-03	-0.04	-0.41	9.89e-04	8.82e-06	0.0
54	66	-8.84e-03	0.04	-0.57	-9.77e-04	-9.16e-06	0.0
54	67	-0.01	-0.04	-0.41	9.89e-04	-5.87e-06	0.0
54	68	-3.41e-06	9.47e-03	-0.53	-4.24e-04	0.0	0.0
54	69	-2.33e-06	0.0	-0.49	6.00e-06	0.0	0.0
54	70	-2.33e-06	0.0	-0.49	6.00e-06	0.0	0.0
55	1	-6.22e-06	0.07	-0.90	-3.22e-03	0.0	0.0
55	2	-5.87e-06	0.07	-0.75	-3.22e-03	0.0	0.0
55	3	-4.30e-06	0.05	-0.66	-2.15e-03	0.0	0.0
55	4	0.04	9.96e-03	-0.51	-2.68e-04	2.71e-05	0.0
55	5	0.04	-9.96e-03	-0.47	2.79e-04	2.62e-05	0.0
55	6	-0.04	9.96e-03	-0.52	-2.67e-04	-2.64e-05	0.0
55	7	-0.04	-9.96e-03	-0.47	2.80e-04	-2.73e-05	0.0
55	8	0.04	0.01	-0.51	-2.69e-04	2.62e-05	0.0
55	9	0.04	-0.01	-0.47	2.81e-04	2.71e-05	0.0
55	10	-0.04	0.01	-0.52	-2.69e-04	-2.73e-05	0.0
55	11	-0.04	-0.01	-0.47	2.81e-04	-2.64e-05	0.0
55	12	0.04	9.96e-03	-0.51	-2.68e-04	2.71e-05	0.0
55	13	0.04	-9.96e-03	-0.47	2.79e-04	2.62e-05	0.0
55	14	-0.04	9.96e-03	-0.52	-2.67e-04	-2.64e-05	0.0
55	15	-0.04	-9.96e-03	-0.47	2.80e-04	-2.73e-05	0.0
55	16	0.04	0.01	-0.51	-2.69e-04	2.62e-05	0.0
55	17	0.04	-0.01	-0.47	2.81e-04	2.71e-05	0.0
55	18	-0.04	0.01	-0.52	-2.69e-04	-2.73e-05	0.0
55	19	-0.04	-0.01	-0.47	2.81e-04	-2.64e-05	0.0
55	20	9.67e-03	0.03	-0.56	-9.06e-04	9.49e-06	0.0
55	21	0.01	-0.03	-0.42	9.18e-04	6.37e-06	0.0
55	22	-0.01	0.03	-0.57	-9.06e-04	-6.56e-06	0.0
55	23	-9.67e-03	-0.03	-0.42	9.18e-04	-9.67e-06	0.0
55	24	9.67e-03	0.03	-0.56	-9.06e-04	9.49e-06	0.0



55	25	0.01	-0.03	-0.42	9.18e-04	6.37e-06	0.0
55	26	-0.01	0.03	-0.57	-9.06e-04	-6.56e-06	0.0
55	27	-9.67e-03	-0.03	-0.42	9.18e-04	-9.67e-06	0.0
55	28	0.01	0.04	-0.56	-9.09e-04	6.36e-06	0.0
55	29	9.67e-03	-0.04	-0.42	9.21e-04	9.50e-06	0.0
55	30	-9.67e-03	0.04	-0.57	-9.09e-04	-9.69e-06	0.0
55	31	-0.01	-0.04	-0.42	9.21e-04	-6.54e-06	0.0
55	32	0.01	0.04	-0.56	-9.09e-04	6.36e-06	0.0
55	33	9.67e-03	-0.04	-0.42	9.21e-04	9.50e-06	0.0
55	34	-9.67e-03	0.04	-0.57	-9.09e-04	-9.69e-06	0.0
55	35	-0.01	-0.04	-0.42	9.21e-04	-6.54e-06	0.0
55	36	0.03	0.01	-0.51	-2.87e-04	2.48e-05	0.0
55	37	0.03	-0.01	-0.47	2.99e-04	2.38e-05	0.0
55	38	-0.03	0.01	-0.52	-2.87e-04	-2.40e-05	0.0
55	39	-0.03	-0.01	-0.47	2.99e-04	-2.50e-05	0.0
55	40	0.03	0.01	-0.51	-2.88e-04	6.36e-06	0.0
55	41	0.03	-0.01	-0.47	3.00e-04	2.48e-05	0.0
55	42	-0.03	0.01	-0.52	-2.88e-04	-2.50e-05	0.0
55	43	-0.03	-0.01	-0.47	3.00e-04	-2.40e-05	0.0
55	44	0.03	0.01	-0.51	-2.87e-04	2.48e-05	0.0
55	45	0.03	-0.01	-0.47	2.99e-04	2.38e-05	0.0
55	46	-0.03	0.01	-0.52	-2.87e-04	-2.40e-05	0.0
55	47	-0.03	-0.01	-0.47	2.99e-04	-2.50e-05	0.0
55	48	0.03	0.01	-0.51	-2.88e-04	2.38e-05	0.0
55	49	0.03	-0.01	-0.47	3.00e-04	2.48e-05	0.0
55	50	-0.03	0.01	-0.52	-2.88e-04	-2.50e-05	0.0
55	51	-0.03	-0.01	-0.47	3.00e-04	-2.40e-05	0.0
55	52	8.84e-03	0.04	-0.57	-9.71e-04	8.90e-06	0.0
55	53	0.01	-0.04	-0.41	9.83e-04	5.58e-06	0.0
55	54	-0.01	0.04	-0.57	-9.71e-04	-5.76e-06	0.0
55	55	-8.85e-03	-0.04	-0.41	9.83e-04	-9.09e-06	0.0
55	56	8.84e-03	0.04	-0.57	-9.71e-04	8.90e-06	0.0
55	57	0.01	-0.04	-0.41	9.83e-04	5.58e-06	0.0
55	58	-0.01	0.04	-0.57	-9.71e-04	-5.76e-06	0.0
55	59	-8.85e-03	-0.04	-0.41	9.83e-04	-9.09e-06	0.0
55	60	0.01	0.04	-0.57	-9.75e-04	5.56e-06	0.0
55	61	8.84e-03	-0.04	-0.41	9.87e-04	8.92e-06	0.0
55	62	-8.85e-03	0.04	-0.57	-9.75e-04	-9.10e-06	0.0
55	63	-0.01	-0.04	-0.41	9.87e-04	-5.74e-06	0.0
55	64	0.01	0.04	-0.57	-9.75e-04	5.56e-06	0.0
55	65	8.84e-03	-0.04	-0.41	9.87e-04	8.92e-06	0.0
55	66	-8.85e-03	0.04	-0.57	-9.75e-04	-9.10e-06	0.0
55	67	-0.01	-0.04	-0.41	9.87e-04	-5.74e-06	0.0
55	68	-1.79e-06	9.47e-03	-0.53	-4.24e-04	0.0	0.0
55	69	-1.16e-06	0.0	-0.49	6.00e-06	0.0	0.0
55	70	-1.16e-06	0.0	-0.49	6.00e-06	0.0	0.0
56	1	0.0	0.07	-0.90	-3.22e-03	0.0	0.0
56	2	0.0	0.07	-0.75	-3.22e-03	0.0	0.0
56	3	0.0	0.05	-0.66	-2.15e-03	0.0	0.0
56	4	0.04	0.01	-0.51	-2.68e-04	2.72e-05	0.0
56	5	0.04	-0.01	-0.47	2.80e-04	2.62e-05	0.0
56	6	-0.04	0.01	-0.51	-2.68e-04	-2.62e-05	0.0
56	7	-0.04	-0.01	-0.47	2.80e-04	-2.72e-05	0.0
56	8	0.04	0.01	-0.51	-2.68e-04	2.62e-05	0.0
56	9	0.04	-0.01	-0.47	2.80e-04	2.72e-05	0.0
56	10	-0.04	0.01	-0.51	-2.68e-04	-2.72e-05	0.0
56	11	-0.04	-0.01	-0.47	2.80e-04	-2.62e-05	0.0
56	12	0.04	0.01	-0.51	-2.68e-04	2.72e-05	0.0
56	13	0.04	-0.01	-0.47	2.80e-04	2.62e-05	0.0
56	14	-0.04	0.01	-0.51	-2.68e-04	-2.62e-05	0.0
56	15	-0.04	-0.01	-0.47	2.80e-04	-2.72e-05	0.0
56	16	0.04	0.01	-0.51	-2.68e-04	2.62e-05	0.0
56	17	0.04	-0.01	-0.47	2.80e-04	2.72e-05	0.0
56	18	-0.04	0.01	-0.51	-2.68e-04	-2.72e-05	0.0
56	19	-0.04	-0.01	-0.47	2.80e-04	-2.62e-05	0.0
56	20	9.67e-03	0.03	-0.56	-9.08e-04	9.60e-06	0.0
56	21	0.01	-0.03	-0.42	9.20e-04	6.44e-06	0.0
56	22	-0.01	0.03	-0.56	-9.08e-04	-6.44e-06	0.0
56	23	-9.67e-03	-0.03	-0.42	9.20e-04	-9.60e-06	0.0
56	24	9.67e-03	0.03	-0.56	-9.08e-04	9.60e-06	0.0
56	25	0.01	-0.03	-0.42	9.20e-04	6.44e-06	0.0
56	26	-0.01	0.03	-0.56	-9.08e-04	-6.44e-06	0.0
56	27	-9.67e-03	-0.03	-0.42	9.20e-04	-9.60e-06	0.0
56	28	0.01	0.03	-0.56	-9.08e-04	6.44e-06	0.0
56	29	9.67e-03	-0.03	-0.42	9.20e-04	9.60e-06	0.0

56	30	-9.67e-03	0.03	-0.56	-9.08e-04	-9.60e-06	0.0
56	31	-0.01	-0.03	-0.42	9.20e-04	-6.44e-06	0.0
56	32	0.01	0.03	-0.56	-9.08e-04	-6.44e-06	0.0
56	33	9.67e-03	-0.03	-0.42	9.20e-04	9.60e-06	0.0
56	34	-9.67e-03	0.03	-0.56	-9.08e-04	-9.60e-06	0.0
56	35	-0.01	-0.03	-0.42	9.20e-04	-6.44e-06	0.0
56	36	0.03	0.01	-0.51	-2.88e-04	2.49e-05	0.0
56	37	0.03	-0.01	-0.47	3.00e-04	2.39e-05	0.0
56	38	-0.03	0.01	-0.51	-2.88e-04	-2.39e-05	0.0
56	39	-0.03	-0.01	-0.47	3.00e-04	-2.49e-05	0.0
56	40	0.03	0.01	-0.51	-2.88e-04	2.39e-05	0.0
56	41	0.03	-0.01	-0.47	3.00e-04	2.49e-05	0.0
56	42	-0.03	0.01	-0.51	-2.88e-04	-2.49e-05	0.0
56	43	-0.03	-0.01	-0.47	3.00e-04	-2.39e-05	0.0
56	44	0.03	0.01	-0.51	-2.88e-04	2.49e-05	0.0
56	45	0.03	-0.01	-0.47	3.00e-04	2.39e-05	0.0
56	46	-0.03	0.01	-0.51	-2.88e-04	-2.39e-05	0.0
56	47	-0.03	-0.01	-0.47	3.00e-04	-2.49e-05	0.0
56	48	0.03	0.01	-0.51	-2.88e-04	2.39e-05	0.0
56	49	0.03	-0.01	-0.47	3.00e-04	2.49e-05	0.0
56	50	-0.03	0.01	-0.51	-2.88e-04	-2.49e-05	0.0
56	51	-0.03	-0.01	-0.47	3.00e-04	-2.39e-05	0.0
56	52	8.85e-03	0.04	-0.57	-9.73e-04	9.01e-06	0.0
56	53	0.01	-0.04	-0.41	9.85e-04	5.64e-06	0.0
56	54	-0.01	0.04	-0.57	-9.73e-04	-5.64e-06	0.0
56	55	-8.85e-03	-0.04	-0.41	9.85e-04	-9.01e-06	0.0
56	56	8.85e-03	0.04	-0.57	-9.73e-04	9.01e-06	0.0
56	57	0.01	-0.04	-0.41	9.85e-04	5.64e-06	0.0
56	58	-0.01	0.04	-0.57	-9.73e-04	-5.64e-06	0.0
56	59	-8.85e-03	-0.04	-0.41	9.85e-04	-9.01e-06	0.0
56	60	0.01	0.04	-0.57	-9.73e-04	5.64e-06	0.0
56	61	8.85e-03	-0.04	-0.41	9.85e-04	9.01e-06	0.0
56	62	-8.85e-03	0.04	-0.57	-9.73e-04	-9.01e-06	0.0
56	63	-0.01	-0.04	-0.41	9.85e-04	-5.64e-06	0.0
56	64	0.01	0.04	-0.57	-9.73e-04	5.64e-06	0.0
56	65	8.85e-03	-0.04	-0.41	9.85e-04	9.01e-06	0.0
56	66	-8.85e-03	0.04	-0.57	-9.73e-04	-9.01e-06	0.0
56	67	-0.01	-0.04	-0.41	9.85e-04	-5.64e-06	0.0
56	68	0.0	9.47e-03	-0.53	-4.24e-04	0.0	0.0
56	69	0.0	0.0	-0.49	6.00e-06	0.0	0.0
56	70	0.0	0.0	-0.49	6.00e-06	0.0	0.0
57	1	6.22e-06	0.07	-0.90	-3.22e-03	0.0	0.0
57	2	5.87e-06	0.07	-0.75	-3.22e-03	0.0	0.0
57	3	4.30e-06	0.05	-0.66	-2.15e-03	0.0	0.0
57	4	0.04	0.01	-0.52	-2.69e-04	2.73e-05	0.0
57	5	0.04	-0.01	-0.47	2.81e-04	2.64e-05	0.0
57	6	-0.04	0.01	-0.51	-2.69e-04	-2.62e-05	0.0
57	7	-0.04	-0.01	-0.47	2.81e-04	-2.71e-05	0.0
57	8	0.04	9.96e-03	-0.52	-2.67e-04	2.64e-05	0.0
57	9	0.04	-9.96e-03	-0.47	2.80e-04	2.73e-05	0.0
57	10	-0.04	9.96e-03	-0.51	-2.68e-04	-2.71e-05	0.0
57	11	-0.04	-9.96e-03	-0.47	2.79e-04	-2.62e-05	0.0
57	12	0.04	0.01	-0.52	-2.69e-04	2.73e-05	0.0
57	13	0.04	-0.01	-0.47	2.81e-04	2.64e-05	0.0
57	14	-0.04	0.01	-0.51	-2.69e-04	-2.62e-05	0.0
57	15	-0.04	-0.01	-0.47	2.81e-04	-2.71e-05	0.0
57	16	0.04	9.96e-03	-0.52	-2.67e-04	2.64e-05	0.0
57	17	0.04	-9.96e-03	-0.47	2.80e-04	2.73e-05	0.0
57	18	-0.04	9.96e-03	-0.51	-2.68e-04	-2.71e-05	0.0
57	19	-0.04	-9.96e-03	-0.47	2.79e-04	-2.62e-05	0.0
57	20	9.67e-03	0.04	-0.57	-9.09e-04	9.69e-06	0.0
57	21	0.01	-0.04	-0.42	9.21e-04	6.54e-06	0.0
57	22	-0.01	0.04	-0.56	-9.09e-04	-6.36e-06	0.0
57	23	-9.67e-03	-0.04	-0.42	9.21e-04	-9.50e-06	0.0
57	24	9.67e-03	0.04	-0.57	-9.09e-04	9.69e-06	0.0
57	25	0.01	-0.04	-0.42	9.21e-04	6.54e-06	0.0
57	26	-0.01	0.04	-0.56	-9.09e-04	-6.36e-06	0.0
57	27	-9.67e-03	-0.04	-0.42	9.21e-04	-9.50e-06	0.0
57	28	0.01	0.03	-0.57	-9.06e-04	6.56e-06	0.0
57	29	9.67e-03	-0.03	-0.42	9.18e-04	9.67e-06	0.0
57	30	-9.67e-03	0.03	-0.56	-9.06e-04	-9.49e-06	0.0
57	31	-0.01	-0.03	-0.42	9.18e-04	-6.37e-06	0.0
57	32	0.01	0.03	-0.57	-9.06e-04	6.56e-06	0.0
57	33	9.67e-03	-0.03	-0.42	9.18e-04	9.67e-06	0.0
57	34	-9.67e-03	0.03	-0.56	-9.06e-04	-9.49e-06	0.0

57	35	-0.01	-0.03	-0.42	9.18e-04	-6.37e-06	0.0
57	36	0.03	0.01	-0.52	-2.88e-04	2.50e-05	0.0
57	37	0.03	-0.01	-0.47	3.00e-04	2.40e-05	0.0
57	38	-0.03	0.01	-0.51	-2.88e-04	-2.38e-05	0.0
57	39	-0.03	-0.01	-0.47	3.00e-04	-2.48e-05	0.0
57	40	0.03	0.01	-0.52	-2.87e-04	2.40e-05	0.0
57	41	0.03	-0.01	-0.47	2.99e-04	2.50e-05	0.0
57	42	-0.03	0.01	-0.51	-2.87e-04	-2.48e-05	0.0
57	43	-0.03	-0.01	-0.47	2.99e-04	-2.38e-05	0.0
57	44	0.03	0.01	-0.52	-2.88e-04	2.50e-05	0.0
57	45	0.03	-0.01	-0.47	3.00e-04	2.40e-05	0.0
57	46	-0.03	0.01	-0.51	-2.88e-04	-2.38e-05	0.0
57	47	-0.03	-0.01	-0.47	3.00e-04	-2.48e-05	0.0
57	48	0.03	0.01	-0.52	-2.87e-04	2.40e-05	0.0
57	49	0.03	-0.01	-0.47	2.99e-04	2.50e-05	0.0
57	50	-0.03	0.01	-0.51	-2.87e-04	-2.48e-05	0.0
57	51	-0.03	-0.01	-0.47	2.99e-04	-2.38e-05	0.0
57	52	8.85e-03	0.04	-0.57	-9.75e-04	9.10e-06	0.0
57	53	0.01	-0.04	-0.41	9.87e-04	5.74e-06	0.0
57	54	-0.01	0.04	-0.57	-9.75e-04	-5.56e-06	0.0
57	55	-8.84e-03	-0.04	-0.41	9.87e-04	-8.92e-06	0.0
57	56	8.85e-03	0.04	-0.57	-9.75e-04	9.10e-06	0.0
57	57	0.01	-0.04	-0.41	9.87e-04	5.74e-06	0.0
57	58	-0.01	0.04	-0.57	-9.75e-04	-5.56e-06	0.0
57	59	-8.84e-03	-0.04	-0.41	9.87e-04	-8.92e-06	0.0
57	60	0.01	0.04	-0.57	-9.71e-04	5.76e-06	0.0
57	61	8.85e-03	-0.04	-0.41	9.83e-04	9.09e-06	0.0
57	62	-8.84e-03	0.04	-0.57	-9.71e-04	-8.90e-06	0.0
57	63	-0.01	-0.04	-0.41	9.83e-04	-8.92e-06	0.0
57	64	0.01	0.04	-0.57	-9.71e-04	5.76e-06	0.0
57	65	8.85e-03	-0.04	-0.41	9.83e-04	9.09e-06	0.0
57	66	-8.84e-03	0.04	-0.57	-9.71e-04	-8.90e-06	0.0
57	67	-0.01	-0.04	-0.41	9.83e-04	-5.58e-06	0.0
57	68	1.79e-06	9.47e-03	-0.53	-4.24e-04	0.0	0.0
57	69	1.16e-06	0.0	-0.49	6.00e-06	0.0	0.0
57	70	1.16e-06	0.0	-0.49	6.00e-06	0.0	0.0
58	1	1.11e-05	0.07	-0.90	-3.22e-03	0.0	0.0
58	2	1.04e-05	0.07	-0.75	-3.22e-03	0.0	0.0
58	3	7.74e-06	0.05	-0.66	-2.15e-03	0.0	0.0
58	4	0.04	0.01	-0.52	-2.69e-04	2.74e-05	0.0
58	5	0.04	-0.01	-0.47	2.81e-04	2.65e-05	0.0
58	6	-0.04	0.01	-0.51	-2.69e-04	-2.62e-05	0.0
58	7	-0.04	-0.01	-0.47	2.81e-04	-2.71e-05	0.0
58	8	0.04	9.57e-03	-0.52	-2.67e-04	2.65e-05	0.0
58	9	0.04	-9.57e-03	-0.47	2.79e-04	2.74e-05	0.0
58	10	-0.04	9.57e-03	-0.51	-2.67e-04	-2.71e-05	0.0
58	11	-0.04	-9.57e-03	-0.47	2.79e-04	-2.62e-05	0.0
58	12	0.04	0.01	-0.52	-2.69e-04	2.74e-05	0.0
58	13	0.04	-0.01	-0.47	2.81e-04	2.65e-05	0.0
58	14	-0.04	0.01	-0.51	-2.69e-04	-2.62e-05	0.0
58	15	-0.04	-0.01	-0.47	2.81e-04	-2.71e-05	0.0
58	16	0.04	9.57e-03	-0.52	-2.67e-04	2.65e-05	0.0
58	17	0.04	-9.57e-03	-0.47	2.79e-04	2.74e-05	0.0
58	18	-0.04	9.57e-03	-0.51	-2.67e-04	-2.71e-05	0.0
58	19	-0.04	-9.57e-03	-0.47	2.79e-04	-2.62e-05	0.0
58	20	9.67e-03	0.04	-0.57	-9.11e-04	9.75e-06	0.0
58	21	0.01	-0.04	-0.42	9.23e-04	6.67e-06	0.0
58	22	-0.01	0.04	-0.56	-9.11e-04	-6.33e-06	0.0
58	23	-9.66e-03	-0.04	-0.42	9.23e-04	-9.41e-06	0.0
58	24	9.67e-03	0.04	-0.57	-9.11e-04	9.75e-06	0.0
58	25	0.01	-0.04	-0.42	9.23e-04	6.67e-06	0.0
58	26	-0.01	0.04	-0.56	-9.11e-04	-6.33e-06	0.0
58	27	-9.66e-03	-0.04	-0.42	9.23e-04	-9.41e-06	0.0
58	28	0.01	0.03	-0.57	-9.04e-04	6.72e-06	0.0
58	29	9.67e-03	-0.03	-0.42	9.16e-04	9.71e-06	0.0
58	30	-9.67e-03	0.03	-0.56	-9.04e-04	-9.37e-06	0.0
58	31	-0.01	-0.03	-0.42	9.16e-04	-6.38e-06	0.0
58	32	0.01	0.03	-0.57	-9.04e-04	6.72e-06	0.0
58	33	9.67e-03	-0.03	-0.42	9.16e-04	9.71e-06	0.0
58	34	-9.67e-03	0.03	-0.56	-9.04e-04	-9.37e-06	0.0
58	35	-0.01	-0.03	-0.42	9.16e-04	-6.38e-06	0.0
58	36	0.03	0.01	-0.52	-2.89e-04	2.52e-05	0.0
58	37	0.03	-0.01	-0.47	3.01e-04	2.42e-05	0.0
58	38	-0.03	0.01	-0.51	-2.89e-04	-2.38e-05	0.0
58	39	-0.03	-0.01	-0.46	3.01e-04	-2.48e-05	0.0

58	40	0.03	0.01	-0.52	-2.86e-04	2.42e-05	0.0
58	41	0.03	-0.01	-0.47	-2.99e-04	2.51e-05	0.0
58	42	-0.03	0.01	-0.51	-2.87e-04	-2.48e-05	0.0
58	43	-0.03	-0.01	-0.46	2.98e-04	-2.38e-05	0.0
58	44	0.03	0.01	-0.52	-2.89e-04	2.52e-05	0.0
58	45	0.03	-0.01	-0.47	3.01e-04	2.42e-05	0.0
58	46	-0.03	0.01	-0.51	-2.89e-04	-2.38e-05	0.0
58	47	-0.03	-0.01	-0.46	3.01e-04	-2.48e-05	0.0
58	48	0.03	0.01	-0.52	-2.86e-04	2.42e-05	0.0
58	49	0.03	-0.01	-0.47	2.99e-04	2.51e-05	0.0
58	50	-0.03	0.01	-0.51	-2.87e-04	-2.48e-05	0.0
58	51	-0.03	-0.01	-0.46	2.98e-04	-2.38e-05	0.0
58	52	8.84e-03	0.04	-0.57	-9.77e-04	9.16e-06	0.0
58	53	0.01	-0.04	-0.41	9.89e-04	5.87e-06	0.0
58	54	-0.01	0.04	-0.57	-9.77e-04	-5.54e-06	0.0
58	55	-8.84e-03	-0.04	-0.41	9.89e-04	-8.82e-06	0.0
58	56	8.84e-03	0.04	-0.57	-9.77e-04	9.16e-06	0.0
58	57	0.01	-0.04	-0.41	9.89e-04	5.87e-06	0.0
58	58	-0.01	0.04	-0.57	-9.77e-04	-5.54e-06	0.0
58	59	-8.84e-03	-0.04	-0.41	9.89e-04	-8.82e-06	0.0
58	60	0.01	0.03	-0.57	-9.69e-04	5.92e-06	0.0
58	61	8.85e-03	-0.03	-0.41	9.81e-04	9.11e-06	0.0
58	62	-8.84e-03	0.03	-0.57	-9.69e-04	-8.78e-06	0.0
58	63	-0.01	-0.03	-0.41	9.81e-04	-5.58e-06	0.0
58	64	0.01	0.03	-0.57	-9.69e-04	5.92e-06	0.0
58	65	8.85e-03	-0.03	-0.41	9.81e-04	9.11e-06	0.0
58	66	-8.84e-03	0.03	-0.57	-9.69e-04	-8.78e-06	0.0
58	67	-0.01	-0.03	-0.41	9.81e-04	-5.58e-06	0.0
58	68	3.41e-06	9.47e-03	-0.53	-4.24e-04	0.0	0.0
58	69	2.33e-06	0.0	-0.49	6.00e-06	0.0	0.0
58	70	2.33e-06	0.0	-0.49	6.00e-06	0.0	0.0
59	1	1.57e-05	0.07	-0.90	-3.22e-03	0.0	0.0
59	2	1.46e-05	0.07	-0.75	-3.22e-03	0.0	0.0
59	3	1.09e-05	0.05	-0.66	-2.15e-03	0.0	0.0
59	4	0.04	0.01	-0.52	-2.70e-04	2.76e-05	0.0
59	5	0.04	-0.01	-0.48	2.82e-04	2.67e-05	0.0
59	6	-0.04	0.01	-0.51	-2.70e-04	-2.62e-05	0.0
59	7	-0.04	-0.01	-0.46	2.82e-04	-2.71e-05	0.0
59	8	0.04	9.18e-03	-0.52	-2.66e-04	2.67e-05	0.0
59	9	0.04	-9.18e-03	-0.48	2.79e-04	2.76e-05	0.0
59	10	-0.04	9.18e-03	-0.51	-2.67e-04	-2.71e-05	0.0
59	11	-0.04	-9.18e-03	-0.46	2.78e-04	-2.62e-05	0.0
59	12	0.04	0.01	-0.52	-2.70e-04	2.76e-05	0.0
59	13	0.04	-0.01	-0.48	2.82e-04	2.67e-05	0.0
59	14	-0.04	0.01	-0.51	-2.70e-04	-2.62e-05	0.0
59	15	-0.04	-0.01	-0.46	2.82e-04	-2.71e-05	0.0
59	16	0.04	9.18e-03	-0.52	-2.66e-04	2.67e-05	0.0
59	17	0.04	-9.18e-03	-0.48	2.79e-04	2.76e-05	0.0
59	18	-0.04	9.18e-03	-0.51	-2.67e-04	-2.71e-05	0.0
59	19	-0.04	-9.18e-03	-0.46	2.78e-04	-2.62e-05	0.0
59	20	9.67e-03	0.04	-0.57	-9.13e-04	9.79e-06	0.0
59	21	0.01	-0.04	-0.42	9.25e-04	6.84e-06	0.0
59	22	-0.01	0.04	-0.56	-9.13e-04	-6.35e-06	0.0
59	23	-9.66e-03	-0.04	-0.42	9.25e-04	-9.30e-06	0.0
59	24	9.67e-03	0.04	-0.57	-9.13e-04	9.79e-06	0.0
59	25	0.01	-0.04	-0.42	9.25e-04	6.84e-06	0.0
59	26	-0.01	0.04	-0.56	-9.13e-04	-6.35e-06	0.0
59	27	-9.66e-03	-0.04	-0.42	9.25e-04	-9.30e-06	0.0
59	28	0.01	0.03	-0.57	-9.02e-04	6.92e-06	0.0
59	29	9.67e-03	-0.03	-0.42	9.14e-04	9.72e-06	0.0
59	30	-9.67e-03	0.03	-0.56	-9.02e-04	-9.22e-06	0.0
59	31	-0.01	-0.03	-0.42	9.14e-04	-6.42e-06	0.0
59	32	0.01	0.03	-0.57	-9.02e-04	6.92e-06	0.0
59	33	9.67e-03	-0.03	-0.42	9.14e-04	9.72e-06	0.0
59	34	-9.67e-03	0.03	-0.56	-9.02e-04	-9.22e-06	0.0
59	35	-0.01	-0.03	-0.42	9.14e-04	-6.42e-06	0.0
59	36	0.03	0.01	-0.52	-2.89e-04	2.53e-05	0.0
59	37	0.03	-0.01	-0.47	3.02e-04	2.44e-05	0.0
59	38	-0.03	0.01	-0.51	-2.90e-04	-2.39e-05	0.0
59	39	-0.03	-0.01	-0.46	3.01e-04	-2.48e-05	0.0
59	40	0.03	9.81e-03	-0.52	-2.86e-04	2.44e-05	0.0
59	41	0.03	-9.81e-03	-0.47	2.98e-04	2.53e-05	0.0
59	42	-0.03	9.80e-03	-0.51	-2.86e-04	-2.48e-05	0.0
59	43	-0.03	-9.81e-03	-0.46	2.98e-04	-2.39e-05	0.0
59	44	0.03	0.01	-0.52	-2.89e-04	2.53e-05	0.0

59	45	0.03	-0.01	-0.47	3.02e-04	2.44e-05	0.0
59	46	-0.03	0.01	-0.51	-2.90e-04	-2.39e-05	0.0
59	47	-0.03	-0.01	-0.46	3.01e-04	-2.48e-05	0.0
59	48	0.03	9.81e-03	-0.52	-2.86e-04	2.44e-05	0.0
59	49	0.03	-9.81e-03	-0.47	2.98e-04	2.53e-05	0.0
59	50	-0.03	9.80e-03	-0.51	-2.86e-04	-2.48e-05	0.0
59	51	-0.03	-9.81e-03	-0.46	2.98e-04	-2.39e-05	0.0
59	52	8.84e-03	0.04	-0.57	-9.79e-04	9.20e-06	0.0
59	53	0.01	-0.04	-0.41	9.91e-04	6.05e-06	0.0
59	54	-0.01	0.04	-0.57	-9.79e-04	-5.55e-06	0.0
59	55	-8.84e-03	-0.04	-0.41	9.91e-04	-8.71e-06	0.0
59	56	8.84e-03	0.04	-0.57	-9.79e-04	9.20e-06	0.0
59	57	0.01	-0.04	-0.41	9.91e-04	6.05e-06	0.0
59	58	-0.01	0.04	-0.57	-9.79e-04	-5.55e-06	0.0
59	59	-8.84e-03	-0.04	-0.41	9.91e-04	-8.71e-06	0.0
59	60	0.01	0.03	-0.57	-9.67e-04	6.13e-06	0.0
59	61	8.85e-03	-0.03	-0.42	9.80e-04	9.12e-06	0.0
59	62	-8.84e-03	0.03	-0.57	-9.68e-04	-8.62e-06	0.0
59	63	-0.01	-0.03	-0.41	9.80e-04	-5.64e-06	0.0
59	64	0.01	0.03	-0.57	-9.67e-04	6.13e-06	0.0
59	65	8.85e-03	-0.03	-0.42	9.80e-04	9.12e-06	0.0
59	66	-8.84e-03	0.03	-0.57	-9.68e-04	-8.62e-06	0.0
59	67	-0.01	-0.03	-0.41	9.80e-04	-5.64e-06	0.0
59	68	5.01e-06	9.47e-03	-0.53	-4.24e-04	0.0	0.0
59	69	3.52e-06	0.0	-0.49	6.00e-06	0.0	0.0
59	70	3.52e-06	0.0	-0.49	6.00e-06	0.0	0.0
60	1	2.09e-05	0.07	-0.90	-3.22e-03	0.0	0.0
60	2	1.95e-05	0.07	-0.75	-3.22e-03	0.0	0.0
60	3	1.46e-05	0.05	-0.66	-2.15e-03	0.0	0.0
60	4	0.04	0.01	-0.52	-2.70e-04	2.78e-05	0.0
60	5	0.04	-0.01	-0.48	2.82e-04	2.70e-05	0.0
60	6	-0.04	0.01	-0.51	-2.70e-04	-2.63e-05	0.0
60	7	-0.04	-0.01	-0.46	2.82e-04	-2.71e-05	0.0
60	8	0.04	8.79e-03	-0.52	-2.66e-04	2.70e-05	0.0
60	9	0.04	-8.79e-03	-0.48	2.78e-04	2.77e-05	0.0
60	10	-0.04	8.79e-03	-0.51	-2.66e-04	-2.71e-05	0.0
60	11	-0.04	-8.80e-03	-0.46	2.78e-04	-2.63e-05	0.0
60	12	0.04	0.01	-0.52	-2.70e-04	2.78e-05	0.0
60	13	0.04	-0.01	-0.48	2.82e-04	2.70e-05	0.0
60	14	-0.04	0.01	-0.51	-2.70e-04	-2.63e-05	0.0
60	15	-0.04	-0.01	-0.46	2.82e-04	-2.71e-05	0.0
60	16	0.04	8.79e-03	-0.52	-2.66e-04	2.70e-05	0.0
60	17	0.04	-8.79e-03	-0.48	2.78e-04	2.77e-05	0.0
60	18	-0.04	8.79e-03	-0.51	-2.66e-04	-2.71e-05	0.0
60	19	-0.04	-8.80e-03	-0.46	2.78e-04	-2.63e-05	0.0
60	20	9.67e-03	0.04	-0.57	-9.15e-04	9.82e-06	0.0
60	21	0.01	-0.04	-0.42	9.27e-04	7.07e-06	0.0
60	22	-0.01	0.04	-0.56	-9.15e-04	-6.39e-06	0.0
60	23	-9.66e-03	-0.04	-0.42	9.27e-04	-9.14e-06	0.0
60	24	9.67e-03	0.04	-0.57	-9.15e-04	9.82e-06	0.0
60	25	0.01	-0.04	-0.42	9.27e-04	7.07e-06	0.0
60	26	-0.01	0.04	-0.56	-9.15e-04	-6.39e-06	0.0
60	27	-9.66e-03	-0.04	-0.42	9.27e-04	-9.14e-06	0.0
60	28	0.01	0.03	-0.57	-9.01e-04	7.17e-06	0.0
60	29	9.67e-03	-0.03	-0.42	9.13e-04	9.73e-06	0.0
60	30	-9.66e-03	0.03	-0.56	-9.01e-04	-9.05e-06	0.0
60	31	-0.01	-0.03	-0.42	9.13e-04	-6.49e-06	0.0
60	32	0.01	0.03	-0.57	-9.01e-04	7.17e-06	0.0
60	33	9.67e-03	-0.03	-0.42	9.13e-04	9.73e-06	0.0
60	34	-9.66e-03	0.03	-0.56	-9.01e-04	-9.05e-06	0.0
60	35	-0.01	-0.03	-0.42	9.13e-04	-6.49e-06	0.0
60	36	0.03	0.01	-0.52	-2.90e-04	2.55e-05	0.0
60	37	0.03	-0.01	-0.48	3.02e-04	2.46e-05	0.0
60	38	-0.03	0.01	-0.51	-2.90e-04	-2.39e-05	0.0
60	39	-0.03	-0.01	-0.46	3.02e-04	-2.48e-05	0.0
60	40	0.03	9.39e-03	-0.52	-2.85e-04	2.46e-05	0.0
60	41	0.03	-9.39e-03	-0.48	2.98e-04	2.55e-05	0.0
60	42	-0.03	9.39e-03	-0.51	-2.86e-04	-2.48e-05	0.0
60	43	-0.03	-9.39e-03	-0.46	2.97e-04	-2.40e-05	0.0
60	44	0.03	0.01	-0.52	-2.90e-04	2.55e-05	0.0
60	45	0.03	-0.01	-0.48	3.02e-04	2.46e-05	0.0
60	46	-0.03	0.01	-0.51	-2.90e-04	-2.39e-05	0.0
60	47	-0.03	-0.01	-0.46	3.02e-04	-2.48e-05	0.0
60	48	0.03	9.39e-03	-0.52	-2.85e-04	2.46e-05	0.0
60	49	0.03	-9.39e-03	-0.48	2.98e-04	2.55e-05	0.0

60	50	-0.03	9.39e-03	-0.51	-2.86e-04	-2.48e-05	0.0
60	51	-0.03	-9.39e-03	-0.46	2.97e-04	-2.40e-05	0.0
60	52	8.84e-03	0.04	-0.57	-9.81e-04	9.22e-06	0.0
60	53	0.01	-0.04	-0.41	9.93e-04	6.28e-06	0.0
60	54	-0.01	0.04	-0.57	-9.81e-04	-5.60e-06	0.0
60	55	-8.83e-03	-0.04	-0.41	9.93e-04	-8.54e-06	0.0
60	56	8.84e-03	0.04	-0.57	-9.81e-04	9.22e-06	0.0
60	57	0.01	-0.04	-0.41	9.93e-04	6.28e-06	0.0
60	58	-0.01	0.04	-0.57	-9.81e-04	-5.60e-06	0.0
60	59	-8.83e-03	-0.04	-0.41	9.93e-04	-8.54e-06	0.0
60	60	0.01	0.03	-0.57	-9.66e-04	6.39e-06	0.0
60	61	8.85e-03	-0.03	-0.42	9.78e-04	9.12e-06	0.0
60	62	-8.84e-03	0.03	-0.57	-9.66e-04	-8.44e-06	0.0
60	63	-0.01	-0.03	-0.41	9.78e-04	-5.71e-06	0.0
60	64	0.01	0.03	-0.57	-9.66e-04	6.39e-06	0.0
60	65	8.85e-03	-0.03	-0.42	9.78e-04	9.12e-06	0.0
60	66	-8.84e-03	0.03	-0.57	-9.66e-04	-8.44e-06	0.0
60	67	-0.01	-0.03	-0.41	9.78e-04	-5.71e-06	0.0
60	68	6.71e-06	9.47e-03	-0.53	-4.24e-04	0.0	0.0
60	69	4.74e-06	0.0	-0.49	6.00e-06	0.0	0.0
60	70	4.74e-06	0.0	-0.49	6.00e-06	0.0	0.0
61	1	2.59e-05	0.07	-0.90	-3.22e-03	0.0	0.0
61	2	2.41e-05	0.07	-0.75	-3.22e-03	0.0	0.0
61	3	1.80e-05	0.05	-0.66	-2.15e-03	0.0	0.0
61	4	0.04	0.01	-0.52	-2.70e-04	2.80e-05	0.0
61	5	0.04	-0.01	-0.48	2.83e-04	2.72e-05	0.0
61	6	-0.04	0.01	-0.50	-2.71e-04	-2.64e-05	0.0
61	7	-0.04	-0.01	-0.46	2.82e-04	-2.71e-05	0.0
61	8	0.04	8.41e-03	-0.52	-2.65e-04	2.73e-05	0.0
61	9	0.04	-8.41e-03	-0.48	2.78e-04	2.80e-05	0.0
61	10	-0.04	8.41e-03	-0.50	-2.66e-04	-2.71e-05	0.0
61	11	-0.04	-8.41e-03	-0.46	2.77e-04	-2.64e-05	0.0
61	12	0.04	0.01	-0.52	-2.70e-04	2.80e-05	0.0
61	13	0.04	-0.01	-0.48	2.83e-04	2.72e-05	0.0
61	14	-0.04	0.01	-0.50	-2.71e-04	-2.64e-05	0.0
61	15	-0.04	-0.01	-0.46	2.82e-04	-2.71e-05	0.0
61	16	0.04	8.41e-03	-0.52	-2.65e-04	2.73e-05	0.0
61	17	0.04	-8.41e-03	-0.48	2.78e-04	2.80e-05	0.0
61	18	-0.04	8.41e-03	-0.50	-2.66e-04	-2.71e-05	0.0
61	19	-0.04	-8.41e-03	-0.46	2.77e-04	-2.64e-05	0.0
61	20	9.66e-03	0.04	-0.57	-9.16e-04	9.83e-06	0.0
61	21	0.01	-0.04	-0.42	9.28e-04	7.34e-06	0.0
61	22	-0.01	0.04	-0.56	-9.16e-04	-6.48e-06	0.0
61	23	-9.65e-03	-0.04	-0.41	9.28e-04	-8.97e-06	0.0
61	24	9.66e-03	0.04	-0.57	-9.16e-04	9.83e-06	0.0
61	25	0.01	-0.04	-0.42	9.28e-04	7.34e-06	0.0
61	26	-0.01	0.04	-0.56	-9.16e-04	-6.48e-06	0.0
61	27	-9.65e-03	-0.04	-0.41	9.28e-04	-8.97e-06	0.0
61	28	0.01	0.03	-0.57	-8.99e-04	7.45e-06	0.0
61	29	9.67e-03	-0.03	-0.42	9.12e-04	9.72e-06	0.0
61	30	-9.66e-03	0.03	-0.56	-8.99e-04	-8.86e-06	0.0
61	31	-0.01	-0.03	-0.42	9.11e-04	-6.59e-06	0.0
61	32	0.01	0.03	-0.57	-8.99e-04	7.45e-06	0.0
61	33	9.67e-03	-0.03	-0.42	9.12e-04	9.72e-06	0.0
61	34	-9.66e-03	0.03	-0.56	-8.99e-04	-8.86e-06	0.0
61	35	-0.01	-0.03	-0.42	9.11e-04	-6.59e-06	0.0
61	36	0.03	0.01	-0.52	-2.90e-04	2.57e-05	0.0
61	37	0.03	-0.01	-0.48	3.03e-04	2.49e-05	0.0
61	38	-0.03	0.01	-0.51	-2.91e-04	-2.40e-05	0.0
61	39	-0.03	-0.01	-0.46	3.02e-04	-2.48e-05	0.0
61	40	0.03	8.98e-03	-0.52	-2.85e-04	2.49e-05	0.0
61	41	0.03	-8.97e-03	-0.48	2.97e-04	2.57e-05	0.0
61	42	-0.03	8.97e-03	-0.51	-2.85e-04	-2.48e-05	0.0
61	43	-0.03	-8.98e-03	-0.46	2.97e-04	-2.41e-05	0.0
61	44	0.03	0.01	-0.52	-2.90e-04	2.57e-05	0.0
61	45	0.03	-0.01	-0.48	3.03e-04	2.49e-05	0.0
61	46	-0.03	0.01	-0.51	-2.91e-04	-2.40e-05	0.0
61	47	-0.03	-0.01	-0.46	3.02e-04	-2.48e-05	0.0
61	48	0.03	8.98e-03	-0.52	-2.85e-04	2.49e-05	0.0
61	49	0.03	-8.97e-03	-0.48	2.97e-04	2.57e-05	0.0
61	50	-0.03	8.97e-03	-0.51	-2.85e-04	-2.48e-05	0.0
61	51	-0.03	-8.98e-03	-0.46	2.97e-04	-2.41e-05	0.0
61	52	8.84e-03	0.04	-0.57	-9.82e-04	9.22e-06	0.0
61	53	0.01	-0.04	-0.42	9.94e-04	6.56e-06	0.0
61	54	-0.01	0.04	-0.57	-9.82e-04	-5.70e-06	0.0

61	55	-8.83e-03	-0.04	-0.41	9.94e-04	-8.35e-06	0.0
61	56	8.84e-03	0.04	-0.57	-9.82e-04	9.22e-06	0.0
61	57	0.01	-0.04	-0.42	9.94e-04	6.56e-06	0.0
61	58	-0.01	0.04	-0.57	-9.82e-04	-5.70e-06	0.0
61	59	-8.83e-03	-0.04	-0.41	9.94e-04	-8.35e-06	0.0
61	60	0.01	0.03	-0.57	-9.64e-04	6.68e-06	0.0
61	61	8.84e-03	-0.03	-0.42	9.76e-04	9.10e-06	0.0
61	62	-8.83e-03	0.03	-0.57	-9.64e-04	-8.23e-06	0.0
61	63	-0.01	-0.03	-0.41	9.76e-04	-5.82e-06	0.0
61	64	0.01	0.03	-0.57	-9.64e-04	6.68e-06	0.0
61	65	8.84e-03	-0.03	-0.42	9.76e-04	9.10e-06	0.0
61	66	-8.83e-03	0.03	-0.57	-9.64e-04	-8.23e-06	0.0
61	67	-0.01	-0.03	-0.41	9.76e-04	-5.82e-06	0.0
61	68	8.40e-06	9.46e-03	-0.53	-4.24e-04	0.0	0.0
61	69	5.99e-06	0.0	-0.49	6.01e-06	0.0	0.0
61	70	5.99e-06	0.0	-0.49	6.01e-06	0.0	0.0
62	1	2.97e-05	0.07	-0.90	-3.22e-03	0.0	0.0
62	2	2.75e-05	0.07	-0.75	-3.22e-03	0.0	0.0
62	3	2.08e-05	0.05	-0.66	-2.15e-03	0.0	0.0
62	4	0.04	0.01	-0.53	-2.71e-04	2.82e-05	0.0
62	5	0.04	-0.01	-0.48	2.83e-04	2.75e-05	0.0
62	6	-0.04	0.01	-0.50	-2.71e-04	-2.65e-05	0.0
62	7	-0.04	-0.01	-0.46	2.83e-04	-2.72e-05	0.0
62	8	0.04	8.02e-03	-0.53	-2.65e-04	2.76e-05	0.0
62	9	0.04	-8.02e-03	-0.48	2.78e-04	2.82e-05	0.0
62	10	-0.04	8.02e-03	-0.50	-2.66e-04	-2.71e-05	0.0
62	11	-0.04	-8.02e-03	-0.46	2.77e-04	-2.66e-05	0.0
62	12	0.04	0.01	-0.53	-2.71e-04	2.82e-05	0.0
62	13	0.04	-0.01	-0.48	2.83e-04	2.75e-05	0.0
62	14	-0.04	0.01	-0.50	-2.71e-04	-2.65e-05	0.0
62	15	-0.04	-0.01	-0.46	2.83e-04	-2.72e-05	0.0
62	16	0.04	8.02e-03	-0.53	-2.65e-04	2.76e-05	0.0
62	17	0.04	-8.02e-03	-0.48	2.78e-04	2.82e-05	0.0
62	18	-0.04	8.02e-03	-0.50	-2.66e-04	-2.71e-05	0.0
62	19	-0.04	-8.02e-03	-0.46	2.77e-04	-2.66e-05	0.0
62	20	9.66e-03	0.04	-0.57	-9.17e-04	9.81e-06	0.0
62	21	0.01	-0.04	-0.42	9.30e-04	7.62e-06	0.0
62	22	-0.01	0.04	-0.56	-9.18e-04	-6.60e-06	0.0
62	23	-9.65e-03	-0.04	-0.41	9.29e-04	-8.79e-06	0.0
62	24	9.66e-03	0.04	-0.57	-9.17e-04	9.81e-06	0.0
62	25	0.01	-0.04	-0.42	9.30e-04	7.62e-06	0.0
62	26	-0.01	0.04	-0.56	-9.18e-04	-6.60e-06	0.0
62	27	-9.65e-03	-0.04	-0.41	9.29e-04	-8.79e-06	0.0
62	28	0.01	0.03	-0.57	-8.98e-04	7.75e-06	0.0
62	29	9.67e-03	-0.03	-0.42	9.10e-04	9.68e-06	0.0
62	30	-9.65e-03	0.03	-0.56	-8.98e-04	-8.66e-06	0.0
62	31	-0.01	-0.03	-0.42	9.10e-04	-6.73e-06	0.0
62	32	0.01	0.03	-0.57	-8.98e-04	7.75e-06	0.0
62	33	9.67e-03	-0.03	-0.42	9.10e-04	9.68e-06	0.0
62	34	-9.65e-03	0.03	-0.56	-8.98e-04	-8.66e-06	0.0
62	35	-0.01	-0.03	-0.42	9.10e-04	-6.73e-06	0.0
62	36	0.03	0.01	-0.53	-2.91e-04	2.59e-05	0.0
62	37	0.03	-0.01	-0.48	3.03e-04	2.52e-05	0.0
62	38	-0.03	0.01	-0.50	-2.91e-04	-2.42e-05	0.0
62	39	-0.03	-0.01	-0.46	3.03e-04	-2.49e-05	0.0
62	40	0.03	8.56e-03	-0.53	-2.84e-04	2.52e-05	0.0
62	41	0.03	-8.56e-03	-0.48	2.97e-04	2.58e-05	0.0
62	42	-0.03	8.56e-03	-0.50	-2.85e-04	-2.48e-05	0.0
62	43	-0.03	-8.56e-03	-0.46	2.96e-04	-2.42e-05	0.0
62	44	0.03	0.01	-0.53	-2.91e-04	2.59e-05	0.0
62	45	0.03	-0.01	-0.48	3.03e-04	2.52e-05	0.0
62	46	-0.03	0.01	-0.50	-2.91e-04	-2.42e-05	0.0
62	47	-0.03	-0.01	-0.46	3.03e-04	-2.49e-05	0.0
62	48	0.03	8.56e-03	-0.53	-2.84e-04	2.52e-05	0.0
62	49	0.03	-8.56e-03	-0.48	2.97e-04	2.58e-05	0.0
62	50	-0.03	8.56e-03	-0.50	-2.85e-04	-2.48e-05	0.0
62	51	-0.03	-8.56e-03	-0.46	2.96e-04	-2.42e-05	0.0
62	52	8.84e-03	0.05	-0.57	-9.84e-04	9.18e-06	0.0
62	53	0.01	-0.05	-0.42	9.96e-04	6.85e-06	0.0
62	54	-0.01	0.05	-0.57	-9.84e-04	-5.83e-06	0.0
62	55	-8.82e-03	-0.05	-0.41	9.96e-04	-8.16e-06	0.0
62	56	8.84e-03	0.05	-0.57	-9.84e-04	9.18e-06	0.0
62	57	0.01	-0.05	-0.42	9.96e-04	6.85e-06	0.0
62	58	-0.01	0.05	-0.57	-9.84e-04	-5.83e-06	0.0
62	59	-8.82e-03	-0.05	-0.41	9.96e-04	-8.16e-06	0.0

62	60	0.01	0.03	-0.57	-9.63e-04	7.00e-06	0.0
62	61	8.84e-03	-0.03	-0.42	9.75e-04	9.03e-06	0.0
62	62	-8.83e-03	0.03	-0.57	-9.63e-04	-8.01e-06	0.0
62	63	-0.01	-0.03	-0.41	9.75e-04	-5.98e-06	0.0
62	64	0.01	0.03	-0.57	-9.63e-04	7.00e-06	0.0
62	65	8.84e-03	-0.03	-0.42	9.75e-04	9.03e-06	0.0
62	66	-8.83e-03	0.03	-0.57	-9.63e-04	-8.01e-06	0.0
62	67	-0.01	-0.03	-0.41	9.75e-04	-5.98e-06	0.0
62	68	9.99e-06	9.46e-03	-0.53	-4.24e-04	0.0	0.0
62	69	7.31e-06	0.0	-0.49	6.01e-06	0.0	0.0
62	70	7.31e-06	0.0	-0.49	6.01e-06	0.0	0.0
63	1	3.39e-05	0.07	-0.90	-3.22e-03	0.0	0.0
63	2	3.13e-05	0.07	-0.75	-3.22e-03	0.0	0.0
63	3	2.38e-05	0.05	-0.66	-2.15e-03	0.0	0.0
63	4	0.04	0.01	-0.53	-2.71e-04	2.84e-05	0.0
63	5	0.04	-0.01	-0.48	2.84e-04	2.78e-05	0.0
63	6	-0.04	0.01	-0.50	-2.72e-04	-2.67e-05	0.0
63	7	-0.04	-0.01	-0.46	2.83e-04	-2.72e-05	0.0
63	8	0.04	7.64e-03	-0.53	-2.65e-04	2.79e-05	0.0
63	9	0.04	-7.64e-03	-0.48	2.77e-04	2.84e-05	0.0
63	10	-0.04	7.63e-03	-0.50	-2.65e-04	-2.72e-05	0.0
63	11	-0.04	-7.64e-03	-0.46	2.77e-04	-2.67e-05	0.0
63	12	0.04	0.01	-0.53	-2.71e-04	2.84e-05	0.0
63	13	0.04	-0.01	-0.48	2.84e-04	2.78e-05	0.0
63	14	-0.04	0.01	-0.50	-2.72e-04	-2.67e-05	0.0
63	15	-0.04	-0.01	-0.46	2.83e-04	-2.72e-05	0.0
63	16	0.04	7.64e-03	-0.53	-2.65e-04	2.79e-05	0.0
63	17	0.04	-7.64e-03	-0.48	2.77e-04	2.84e-05	0.0
63	18	-0.04	7.63e-03	-0.50	-2.65e-04	-2.72e-05	0.0
63	19	-0.04	-7.64e-03	-0.46	2.77e-04	-2.67e-05	0.0
63	20	9.66e-03	0.04	-0.57	-9.19e-04	9.76e-06	0.0
63	21	0.01	-0.04	-0.42	9.31e-04	7.95e-06	0.0
63	22	-0.01	0.04	-0.56	-9.19e-04	-6.76e-06	0.0
63	23	-9.64e-03	-0.04	-0.41	9.31e-04	-8.57e-06	0.0
63	24	9.66e-03	0.04	-0.57	-9.19e-04	9.76e-06	0.0
63	25	0.01	-0.04	-0.42	9.31e-04	7.95e-06	0.0
63	26	-0.01	0.04	-0.56	-9.19e-04	-6.76e-06	0.0
63	27	-9.64e-03	-0.04	-0.41	9.31e-04	-8.57e-06	0.0
63	28	0.01	0.03	-0.57	-8.97e-04	8.08e-06	0.0
63	29	9.67e-03	-0.03	-0.42	9.09e-04	9.62e-06	0.0
63	30	-9.65e-03	0.03	-0.56	-8.97e-04	-8.43e-06	0.0
63	31	-0.01	-0.03	-0.42	9.09e-04	-6.89e-06	0.0
63	32	0.01	0.03	-0.57	-8.97e-04	8.08e-06	0.0
63	33	9.67e-03	-0.03	-0.42	9.09e-04	9.62e-06	0.0
63	34	-9.65e-03	0.03	-0.56	-8.97e-04	-8.43e-06	0.0
63	35	-0.01	-0.03	-0.42	9.09e-04	-6.89e-06	0.0
63	36	0.03	0.01	-0.53	-2.91e-04	2.61e-05	0.0
63	37	0.03	-0.01	-0.48	3.04e-04	2.55e-05	0.0
63	38	-0.03	0.01	-0.50	-2.92e-04	-2.43e-05	0.0
63	39	-0.03	-0.01	-0.45	3.03e-04	-2.49e-05	0.0
63	40	0.03	8.14e-03	-0.53	-2.84e-04	2.55e-05	0.0
63	41	0.03	-8.14e-03	-0.48	2.97e-04	2.60e-05	0.0
63	42	-0.03	8.14e-03	-0.50	-2.85e-04	-2.48e-05	0.0
63	43	-0.03	-8.15e-03	-0.46	2.96e-04	-2.44e-05	0.0
63	44	0.03	0.01	-0.53	-2.91e-04	2.61e-05	0.0
63	45	0.03	-0.01	-0.48	3.04e-04	2.55e-05	0.0
63	46	-0.03	0.01	-0.50	-2.92e-04	-2.43e-05	0.0
63	47	-0.03	-0.01	-0.45	3.03e-04	-2.49e-05	0.0
63	48	0.03	8.14e-03	-0.53	-2.84e-04	2.55e-05	0.0
63	49	0.03	-8.14e-03	-0.48	2.97e-04	2.60e-05	0.0
63	50	-0.03	8.14e-03	-0.50	-2.85e-04	-2.48e-05	0.0
63	51	-0.03	-8.15e-03	-0.46	2.96e-04	-2.44e-05	0.0
63	52	8.84e-03	0.05	-0.57	-9.85e-04	9.11e-06	0.0
63	53	0.01	-0.05	-0.42	9.97e-04	7.19e-06	0.0
63	54	-0.01	0.05	-0.57	-9.85e-04	-6.00e-06	0.0
63	55	-8.82e-03	-0.05	-0.41	9.97e-04	-7.92e-06	0.0
63	56	8.84e-03	0.05	-0.57	-9.85e-04	9.11e-06	0.0
63	57	0.01	-0.05	-0.42	9.97e-04	7.19e-06	0.0
63	58	-0.01	0.05	-0.57	-9.85e-04	-6.00e-06	0.0
63	59	-8.82e-03	-0.05	-0.41	9.97e-04	-7.92e-06	0.0
63	60	0.01	0.03	-0.57	-9.62e-04	7.34e-06	0.0
63	61	8.84e-03	-0.03	-0.42	9.74e-04	8.96e-06	0.0
63	62	-8.82e-03	0.03	-0.57	-9.62e-04	-7.77e-06	0.0
63	63	-0.01	-0.03	-0.41	9.74e-04	-6.15e-06	0.0
63	64	0.01	0.03	-0.57	-9.62e-04	7.34e-06	0.0



63	65	8.84e-03	-0.03	-0.42	9.74e-04	8.96e-06	0.0
63	66	-8.82e-03	0.03	-0.57	-9.62e-04	-7.77e-06	0.0
63	67	-0.01	-0.03	-0.41	9.74e-04	-6.15e-06	0.0
63	68	1.17e-05	9.46e-03	-0.53	-4.24e-04	0.0	0.0
63	69	8.72e-06	0.0	-0.49	6.00e-06	0.0	0.0
63	70	8.72e-06	0.0	-0.49	6.00e-06	0.0	0.0
64	1	4.07e-05	0.07	-0.90	-3.22e-03	1.03e-06	0.0
64	2	3.76e-05	0.07	-0.75	-3.22e-03	0.0	0.0
64	3	2.85e-05	0.05	-0.66	-2.15e-03	0.0	0.0
64	4	0.04	0.01	-0.53	-2.71e-04	2.86e-05	0.0
64	5	0.04	-0.01	-0.49	2.84e-04	2.82e-05	0.0
64	6	-0.04	0.01	-0.50	-2.72e-04	-2.68e-05	0.0
64	7	-0.04	-0.01	-0.45	2.83e-04	-2.72e-05	0.0
64	8	0.04	7.25e-03	-0.53	-2.64e-04	2.82e-05	0.0
64	9	0.04	-7.25e-03	-0.49	2.77e-04	2.86e-05	0.0
64	10	-0.04	7.25e-03	-0.50	-2.65e-04	-2.72e-05	0.0
64	11	-0.04	-7.25e-03	-0.45	2.76e-04	-2.68e-05	0.0
64	12	0.04	0.01	-0.53	-2.71e-04	2.86e-05	0.0
64	13	0.04	-0.01	-0.49	2.84e-04	2.82e-05	0.0
64	14	-0.04	0.01	-0.50	-2.72e-04	-2.68e-05	0.0
64	15	-0.04	-0.01	-0.45	2.83e-04	-2.72e-05	0.0
64	16	0.04	7.25e-03	-0.53	-2.64e-04	2.82e-05	0.0
64	17	0.04	-7.25e-03	-0.49	2.77e-04	2.86e-05	0.0
64	18	-0.04	7.25e-03	-0.50	-2.65e-04	-2.72e-05	0.0
64	19	-0.04	-7.25e-03	-0.45	2.76e-04	-2.68e-05	0.0
64	20	9.66e-03	0.04	-0.57	-9.19e-04	9.64e-06	0.0
64	21	0.01	-0.04	-0.42	9.32e-04	8.36e-06	0.0
64	22	-0.01	0.04	-0.56	-9.20e-04	-6.97e-06	0.0
64	23	-9.64e-03	-0.04	-0.41	9.31e-04	-8.26e-06	0.0
64	24	9.66e-03	0.04	-0.57	-9.19e-04	9.64e-06	0.0
64	25	0.01	-0.04	-0.42	9.32e-04	8.36e-06	0.0
64	26	-0.01	0.04	-0.56	-9.20e-04	-6.97e-06	0.0
64	27	-9.64e-03	-0.04	-0.41	9.31e-04	-8.26e-06	0.0
64	28	0.01	0.02	-0.57	-8.96e-04	8.43e-06	0.0
64	29	9.66e-03	-0.02	-0.42	9.09e-04	9.57e-06	0.0
64	30	-9.64e-03	0.02	-0.56	-8.97e-04	-8.18e-06	0.0
64	31	-0.01	-0.02	-0.41	9.08e-04	-7.05e-06	0.0
64	32	0.01	0.02	-0.57	-8.96e-04	8.43e-06	0.0
64	33	9.66e-03	-0.02	-0.42	9.09e-04	9.57e-06	0.0
64	34	-9.64e-03	0.02	-0.56	-8.97e-04	-8.18e-06	0.0
64	35	-0.01	-0.02	-0.41	9.08e-04	-7.05e-06	0.0
64	36	0.03	0.01	-0.53	-2.91e-04	2.62e-05	0.0
64	37	0.03	-0.01	-0.48	3.04e-04	2.58e-05	0.0
64	38	-0.03	0.01	-0.50	-2.92e-04	-2.45e-05	0.0
64	39	-0.03	-0.01	-0.45	3.03e-04	-2.49e-05	0.0
64	40	0.03	7.73e-03	-0.53	-2.84e-04	2.59e-05	0.0
64	41	0.03	-7.73e-03	-0.48	2.97e-04	2.62e-05	0.0
64	42	-0.03	7.73e-03	-0.50	-2.85e-04	-2.48e-05	0.0
64	43	-0.03	-7.73e-03	-0.45	2.96e-04	-2.45e-05	0.0
64	44	0.03	0.01	-0.53	-2.91e-04	2.62e-05	0.0
64	45	0.03	-0.01	-0.48	3.04e-04	2.58e-05	0.0
64	46	-0.03	0.01	-0.50	-2.92e-04	-2.45e-05	0.0
64	47	-0.03	-0.01	-0.45	3.03e-04	-2.49e-05	0.0
64	48	0.03	7.73e-03	-0.53	-2.84e-04	2.59e-05	0.0
64	49	0.03	-7.73e-03	-0.48	2.97e-04	2.62e-05	0.0
64	50	-0.03	7.73e-03	-0.50	-2.85e-04	-2.48e-05	0.0
64	51	-0.03	-7.73e-03	-0.45	2.96e-04	-2.45e-05	0.0
64	52	8.84e-03	0.05	-0.58	-9.86e-04	8.98e-06	0.0
64	53	0.01	-0.05	-0.42	9.98e-04	7.62e-06	0.0
64	54	-0.01	0.05	-0.57	-9.86e-04	-6.23e-06	0.0
64	55	-8.82e-03	-0.05	-0.41	9.98e-04	-7.59e-06	0.0
64	56	8.84e-03	0.05	-0.58	-9.86e-04	8.98e-06	0.0
64	57	0.01	-0.05	-0.42	9.98e-04	7.62e-06	0.0
64	58	-0.01	0.05	-0.57	-9.86e-04	-6.23e-06	0.0
64	59	-8.82e-03	-0.05	-0.41	9.98e-04	-7.59e-06	0.0
64	60	0.01	0.03	-0.57	-9.61e-04	7.70e-06	0.0
64	61	8.83e-03	-0.03	-0.42	9.73e-04	8.89e-06	0.0
64	62	-8.81e-03	0.03	-0.56	-9.61e-04	-7.51e-06	0.0
64	63	-0.01	-0.03	-0.41	9.73e-04	-6.31e-06	0.0
64	64	0.01	0.03	-0.57	-9.61e-04	7.70e-06	0.0
64	65	8.83e-03	-0.03	-0.42	9.73e-04	8.89e-06	0.0
64	66	-8.81e-03	0.03	-0.56	-9.61e-04	-7.51e-06	0.0
64	67	-0.01	-0.03	-0.41	9.73e-04	-6.31e-06	0.0
64	68	1.39e-05	9.46e-03	-0.53	-4.24e-04	0.0	0.0
64	69	1.03e-05	0.0	-0.49	6.00e-06	0.0	0.0

64	70	1.03e-05	0.0	-0.49	6.00e-06	0.0	0.0
65	1	5.05e-05	0.07	-0.90	-3.22e-03	0.0	0.0
65	2	4.70e-05	0.07	-0.75	-3.22e-03	0.0	0.0
65	3	3.52e-05	0.05	-0.66	-2.15e-03	0.0	0.0
65	4	0.04	0.01	-0.53	-2.71e-04	2.87e-05	0.0
65	5	0.04	-0.01	-0.49	2.84e-04	2.84e-05	0.0
65	6	-0.04	0.01	-0.50	-2.72e-04	-2.70e-05	0.0
65	7	-0.04	-0.01	-0.45	2.83e-04	-2.72e-05	0.0
65	8	0.04	6.87e-03	-0.53	-2.64e-04	2.85e-05	0.0
65	9	0.04	-6.87e-03	-0.49	2.77e-04	2.86e-05	0.0
65	10	-0.04	6.87e-03	-0.50	-2.65e-04	-2.72e-05	0.0
65	11	-0.04	-6.87e-03	-0.45	2.76e-04	-2.70e-05	0.0
65	12	0.04	0.01	-0.53	-2.71e-04	2.87e-05	0.0
65	13	0.04	-0.01	-0.49	2.84e-04	2.84e-05	0.0
65	14	-0.04	0.01	-0.50	-2.72e-04	-2.70e-05	0.0
65	15	-0.04	-0.01	-0.45	2.83e-04	-2.72e-05	0.0
65	16	0.04	6.87e-03	-0.53	-2.64e-04	2.85e-05	0.0
65	17	0.04	-6.87e-03	-0.49	2.77e-04	2.86e-05	0.0
65	18	-0.04	6.87e-03	-0.50	-2.65e-04	-2.72e-05	0.0
65	19	-0.04	-6.87e-03	-0.45	2.76e-04	-2.70e-05	0.0
65	20	9.66e-03	0.05	-0.57	-9.20e-04	9.44e-06	0.0
65	21	0.01	-0.05	-0.42	9.32e-04	8.69e-06	0.0
65	22	-0.01	0.05	-0.56	-9.20e-04	-7.25e-06	0.0
65	23	-9.64e-03	-0.05	-0.41	9.32e-04	-8.00e-06	0.0
65	24	9.66e-03	0.05	-0.57	-9.20e-04	9.44e-06	0.0
65	25	0.01	-0.05	-0.42	9.32e-04	8.69e-06	0.0
65	26	-0.01	0.05	-0.56	-9.20e-04	-7.25e-06	0.0
65	27	-9.64e-03	-0.05	-0.41	9.32e-04	-8.00e-06	0.0
65	28	0.01	0.02	-0.57	-8.96e-04	8.75e-06	0.0
65	29	9.66e-03	-0.02	-0.43	9.08e-04	9.39e-06	0.0
65	30	-9.63e-03	0.02	-0.56	-8.96e-04	-7.94e-06	0.0
65	31	-0.01	-0.02	-0.41	9.08e-04	-7.31e-06	0.0
65	32	0.01	0.02	-0.57	-8.96e-04	8.75e-06	0.0
65	33	9.66e-03	-0.02	-0.43	9.08e-04	9.39e-06	0.0
65	34	-9.63e-03	0.02	-0.56	-8.96e-04	-7.94e-06	0.0
65	35	-0.01	-0.02	-0.41	9.08e-04	-7.31e-06	0.0
65	36	0.03	0.01	-0.53	-2.91e-04	2.63e-05	0.0
65	37	0.03	-0.01	-0.48	3.04e-04	2.61e-05	0.0
65	38	-0.03	0.01	-0.50	-2.92e-04	-2.46e-05	0.0
65	39	-0.03	-0.01	-0.45	3.03e-04	-2.49e-05	0.0
65	40	0.03	7.31e-03	-0.53	-2.84e-04	2.61e-05	0.0
65	41	0.03	-7.31e-03	-0.49	2.96e-04	2.63e-05	0.0
65	42	-0.03	7.31e-03	-0.50	-2.85e-04	-2.49e-05	0.0
65	43	-0.03	-7.31e-03	-0.45	2.96e-04	-2.47e-05	0.0
65	44	0.03	0.01	-0.53	-2.91e-04	2.63e-05	0.0
65	45	0.03	-0.01	-0.48	3.04e-04	2.61e-05	0.0
65	46	-0.03	0.01	-0.50	-2.92e-04	-2.46e-05	0.0
65	47	-0.03	-0.01	-0.45	3.03e-04	-2.49e-05	0.0
65	48	0.03	7.31e-03	-0.53	-2.84e-04	2.61e-05	0.0
65	49	0.03	-7.31e-03	-0.49	2.96e-04	2.63e-05	0.0
65	50	-0.03	7.31e-03	-0.50	-2.85e-04	-2.49e-05	0.0
65	51	-0.03	-7.31e-03	-0.45	2.96e-04	-2.47e-05	0.0
65	52	8.84e-03	0.05	-0.58	-9.87e-04	8.76e-06	0.0
65	53	0.01	-0.05	-0.42	9.99e-04	7.97e-06	0.0
65	54	-0.01	0.05	-0.57	-9.87e-04	-6.53e-06	0.0
65	55	-8.82e-03	-0.05	-0.41	9.98e-04	-7.32e-06	0.0
65	56	8.84e-03	0.05	-0.58	-9.87e-04	8.76e-06	0.0
65	57	0.01	-0.05	-0.42	9.99e-04	7.97e-06	0.0
65	58	-0.01	0.05	-0.57	-9.87e-04	-6.53e-06	0.0
65	59	-8.82e-03	-0.05	-0.41	9.98e-04	-7.32e-06	0.0
65	60	0.01	0.02	-0.57	-9.61e-04	8.03e-06	0.0
65	61	8.83e-03	-0.02	-0.42	9.73e-04	8.69e-06	0.0
65	62	-8.81e-03	0.02	-0.56	-9.61e-04	-7.25e-06	0.0
65	63	-0.01	-0.02	-0.41	9.73e-04	-6.59e-06	0.0
65	64	0.01	0.02	-0.57	-9.61e-04	8.03e-06	0.0
65	65	8.83e-03	-0.02	-0.42	9.73e-04	8.69e-06	0.0
65	66	-8.81e-03	0.02	-0.56	-9.61e-04	-7.25e-06	0.0
65	67	-0.01	-0.02	-0.41	9.73e-04	-6.59e-06	0.0
65	68	1.64e-05	9.45e-03	-0.53	-4.25e-04	0.0	0.0
65	69	1.17e-05	-1.15e-06	-0.49	5.97e-06	0.0	0.0
65	70	1.17e-05	-1.15e-06	-0.49	5.97e-06	0.0	0.0
66	1	-7.89e-05	0.29	-0.64	-3.26e-03	0.0	0.0
66	2	-6.07e-05	0.29	-0.49	-3.26e-03	0.0	0.0
66	3	-6.07e-05	0.19	-0.49	-2.17e-03	0.0	0.0
66	4	0.04	0.02	-0.47	-2.72e-04	0.0	5.52e-06

66	5	0.04	-0.02	-0.47	2.72e-04	0.0	-5.52e-06
66	6	-0.04	0.02	-0.51	-2.72e-04	0.0	5.52e-06
66	7	-0.04	-0.02	-0.51	2.72e-04	0.0	-5.52e-06
66	8	0.04	0.03	-0.47	-2.80e-04	0.0	-5.54e-06
66	9	0.04	-0.03	-0.47	2.80e-04	0.0	5.54e-06
66	10	-0.04	0.03	-0.51	-2.80e-04	0.0	-5.54e-06
66	11	-0.04	-0.03	-0.51	2.80e-04	0.0	5.54e-06
66	12	0.04	0.02	-0.47	-2.72e-04	0.0	-5.52e-06
66	13	0.04	-0.02	-0.47	2.72e-04	0.0	5.52e-06
66	14	-0.04	0.02	-0.51	-2.72e-04	0.0	-5.52e-06
66	15	-0.04	-0.02	-0.51	2.72e-04	0.0	5.52e-06
66	16	0.04	0.03	-0.47	-2.80e-04	0.0	-5.54e-06
66	17	0.04	-0.03	-0.47	2.80e-04	0.0	5.54e-06
66	18	-0.04	0.03	-0.51	-2.80e-04	0.0	-5.54e-06
66	19	-0.04	-0.03	-0.51	2.80e-04	0.0	5.54e-06
66	20	0.01	0.08	-0.49	-9.08e-04	0.0	1.84e-05
66	21	0.01	-0.08	-0.49	9.08e-04	0.0	-1.84e-05
66	22	-0.01	0.08	-0.50	-9.08e-04	0.0	1.84e-05
66	23	-0.01	-0.08	-0.50	9.08e-04	0.0	-1.84e-05
66	24	0.01	0.08	-0.49	-9.08e-04	0.0	1.84e-05
66	25	0.01	-0.08	-0.49	9.08e-04	0.0	-1.84e-05
66	26	-0.01	0.08	-0.50	-9.08e-04	0.0	1.84e-05
66	27	-0.01	-0.08	-0.50	9.08e-04	0.0	-1.84e-05
66	28	0.01	0.11	-0.49	-9.34e-04	0.0	1.85e-05
66	29	0.01	-0.11	-0.49	9.34e-04	0.0	-1.85e-05
66	30	-0.01	0.11	-0.50	-9.34e-04	0.0	1.85e-05
66	31	-0.01	-0.11	-0.50	9.34e-04	0.0	-1.85e-05
66	32	0.01	0.11	-0.49	-9.34e-04	0.0	1.85e-05
66	33	0.01	-0.11	-0.49	9.34e-04	0.0	-1.85e-05
66	34	-0.01	0.11	-0.50	-9.34e-04	0.0	1.85e-05
66	35	-0.01	-0.11	-0.50	9.34e-04	0.0	-1.85e-05
66	36	0.04	0.03	-0.48	-2.92e-04	0.0	5.88e-06
66	37	0.04	-0.03	-0.48	2.92e-04	0.0	-5.88e-06
66	38	-0.04	0.03	-0.51	-2.92e-04	0.0	5.88e-06
66	39	-0.04	-0.03	-0.51	2.92e-04	0.0	-5.88e-06
66	40	0.04	0.03	-0.48	-3.00e-04	0.0	5.88e-06
66	41	0.04	-0.03	-0.48	3.00e-04	0.0	-5.88e-06
66	42	-0.04	0.03	-0.51	-3.00e-04	0.0	5.88e-06
66	43	-0.04	-0.03	-0.51	3.00e-04	0.0	-5.88e-06
66	44	0.04	0.03	-0.48	-2.92e-04	0.0	5.88e-06
66	45	0.04	-0.03	-0.48	2.92e-04	0.0	-5.88e-06
66	46	-0.04	0.03	-0.51	-2.92e-04	0.0	5.88e-06
66	47	-0.04	-0.03	-0.51	2.92e-04	0.0	-5.88e-06
66	48	0.04	0.03	-0.48	-3.00e-04	0.0	5.88e-06
66	49	0.04	-0.03	-0.48	3.00e-04	0.0	-5.88e-06
66	50	-0.04	0.03	-0.51	-3.00e-04	0.0	5.88e-06
66	51	-0.04	-0.03	-0.51	3.00e-04	0.0	-5.88e-06
66	52	0.01	0.09	-0.49	-9.73e-04	0.0	1.96e-05
66	53	0.01	-0.09	-0.49	9.73e-04	0.0	-1.96e-05
66	54	-0.01	0.09	-0.50	-9.73e-04	0.0	1.96e-05
66	55	-0.01	-0.09	-0.50	9.73e-04	0.0	-1.96e-05
66	56	0.01	0.09	-0.49	-9.73e-04	0.0	1.96e-05
66	57	0.01	-0.09	-0.49	9.73e-04	0.0	-1.96e-05
66	58	-0.01	0.09	-0.50	-9.73e-04	0.0	1.96e-05
66	59	-0.01	-0.09	-0.50	9.73e-04	0.0	-1.96e-05
66	60	0.01	0.12	-0.49	-1.00e-03	0.0	1.96e-05
66	61	0.01	-0.12	-0.49	1.00e-03	0.0	-1.96e-05
66	62	-0.01	0.12	-0.50	-1.00e-03	0.0	1.96e-05
66	63	-0.01	-0.12	-0.50	1.00e-03	0.0	-1.96e-05
66	64	0.01	0.12	-0.49	-1.00e-03	0.0	1.96e-05
66	65	0.01	-0.12	-0.49	1.00e-03	0.0	-1.96e-05
66	66	-0.01	0.12	-0.50	-1.00e-03	0.0	1.96e-05
66	67	-0.01	-0.12	-0.50	1.00e-03	0.0	-1.96e-05
66	68	-6.07e-05	0.04	-0.49	-4.34e-04	0.0	0.0
66	69	-6.07e-05	0.0	-0.49	0.0	0.0	0.0
66	70	-6.07e-05	0.0	-0.49	0.0	0.0	0.0
67	1	-9.54e-05	0.29	-0.64	-3.26e-03	0.0	1.72e-06
67	2	-7.34e-05	0.29	-0.49	-3.26e-03	0.0	1.72e-06
67	3	-7.34e-05	0.19	-0.49	-2.17e-03	0.0	1.15e-06
67	4	0.04	0.02	-0.47	-2.72e-04	0.0	5.68e-06
67	5	0.04	-0.02	-0.47	2.72e-04	0.0	-5.68e-06
67	6	-0.04	0.02	-0.51	-2.72e-04	0.0	5.68e-06
67	7	-0.04	-0.02	-0.51	2.72e-04	0.0	-5.68e-06
67	8	0.04	0.03	-0.47	-2.80e-04	0.0	-5.30e-06
67	9	0.04	-0.03	-0.47	2.80e-04	0.0	5.30e-06

67	10	-0.04	0.03	-0.51	-2.80e-04	0.0	-5.30e-06
67	11	-0.04	-0.03	-0.51	2.80e-04	0.0	5.30e-06
67	12	0.04	0.02	-0.47	-2.72e-04	0.0	5.68e-06
67	13	0.04	-0.02	-0.47	2.72e-04	0.0	-5.68e-06
67	14	-0.04	0.02	-0.51	-2.72e-04	0.0	5.68e-06
67	15	-0.04	-0.02	-0.51	2.72e-04	0.0	-5.68e-06
67	16	0.04	0.03	-0.47	-2.80e-04	0.0	-5.30e-06
67	17	0.04	-0.03	-0.47	2.80e-04	0.0	5.30e-06
67	18	-0.04	0.03	-0.51	-2.80e-04	0.0	-5.30e-06
67	19	-0.04	-0.03	-0.51	2.80e-04	0.0	5.30e-06
67	20	0.01	0.08	-0.49	-9.08e-04	0.0	1.89e-05
67	21	0.01	-0.08	-0.49	9.08e-04	0.0	-1.89e-05
67	22	-0.01	0.08	-0.50	-9.08e-04	0.0	1.89e-05
67	23	-0.01	-0.08	-0.50	9.08e-04	0.0	-1.89e-05
67	24	0.01	0.08	-0.49	-9.08e-04	0.0	1.89e-05
67	25	0.01	-0.08	-0.49	9.08e-04	0.0	-1.89e-05
67	26	-0.01	0.08	-0.50	-9.08e-04	0.0	1.89e-05
67	27	-0.01	-0.08	-0.50	9.08e-04	0.0	-1.89e-05
67	28	0.01	0.11	-0.49	-9.35e-04	0.0	-1.77e-05
67	29	0.01	-0.11	-0.49	9.35e-04	0.0	1.77e-05
67	30	-0.01	0.11	-0.50	-9.35e-04	0.0	-1.77e-05
67	31	-0.01	-0.11	-0.50	9.35e-04	0.0	1.77e-05
67	32	0.01	0.11	-0.49	-9.35e-04	0.0	-1.77e-05
67	33	0.01	-0.11	-0.49	9.35e-04	0.0	1.77e-05
67	34	-0.01	0.11	-0.50	-9.35e-04	0.0	-1.77e-05
67	35	-0.01	-0.11	-0.50	9.35e-04	0.0	1.77e-05
67	36	0.04	0.03	-0.47	-2.92e-04	0.0	6.04e-06
67	37	0.04	-0.03	-0.47	2.92e-04	0.0	-6.04e-06
67	38	-0.04	0.03	-0.51	-2.92e-04	0.0	6.04e-06
67	39	-0.04	-0.03	-0.51	2.92e-04	0.0	-6.04e-06
67	40	0.04	0.04	-0.47	-3.01e-04	0.0	-5.62e-06
67	41	0.04	-0.04	-0.47	3.01e-04	0.0	5.62e-06
67	42	-0.04	0.04	-0.51	-3.01e-04	0.0	-5.62e-06
67	43	-0.04	-0.04	-0.51	3.01e-04	0.0	5.62e-06
67	44	0.04	0.03	-0.47	-2.92e-04	0.0	6.04e-06
67	45	0.04	-0.03	-0.47	2.92e-04	0.0	-6.04e-06
67	46	-0.04	0.03	-0.51	-2.92e-04	0.0	6.04e-06
67	47	-0.04	-0.03	-0.51	2.92e-04	0.0	-6.04e-06
67	48	0.04	0.04	-0.47	-3.01e-04	0.0	-5.62e-06
67	49	0.04	-0.04	-0.47	3.01e-04	0.0	5.62e-06
67	50	-0.04	0.04	-0.51	-3.01e-04	0.0	-5.62e-06
67	51	-0.04	-0.04	-0.51	3.01e-04	0.0	5.62e-06
67	52	0.01	0.09	-0.49	-9.73e-04	0.0	2.01e-05
67	53	0.01	-0.09	-0.49	9.73e-04	0.0	-2.01e-05
67	54	-0.01	0.09	-0.50	-9.73e-04	0.0	2.01e-05
67	55	-0.01	-0.09	-0.50	9.73e-04	0.0	-2.01e-05
67	56	0.01	0.09	-0.49	-9.73e-04	0.0	2.01e-05
67	57	0.01	-0.09	-0.49	9.73e-04	0.0	-2.01e-05
67	58	-0.01	0.09	-0.50	-9.73e-04	0.0	2.01e-05
67	59	-0.01	-0.09	-0.50	9.73e-04	0.0	-2.01e-05
67	60	0.01	0.12	-0.49	-1.00e-03	0.0	-1.87e-05
67	61	0.01	-0.12	-0.49	1.00e-03	0.0	1.87e-05
67	62	-0.01	0.12	-0.50	-1.00e-03	0.0	-1.87e-05
67	63	-0.01	-0.12	-0.50	1.00e-03	0.0	1.87e-05
67	64	0.01	0.12	-0.49	-1.00e-03	0.0	-1.87e-05
67	65	0.01	-0.12	-0.49	1.00e-03	0.0	1.87e-05
67	66	-0.01	0.12	-0.50	-1.00e-03	0.0	-1.87e-05
67	67	-0.01	-0.12	-0.50	1.00e-03	0.0	1.87e-05
67	68	-7.34e-05	0.04	-0.49	-4.34e-04	0.0	0.0
67	69	-7.34e-05	0.0	-0.49	0.0	0.0	0.0
67	70	-7.34e-05	0.0	-0.49	0.0	0.0	0.0
68	1	-7.08e-05	0.29	-0.64	-3.25e-03	0.0	0.0
68	2	-5.45e-05	0.29	-0.49	-3.25e-03	0.0	0.0
68	3	-5.45e-05	0.19	-0.49	-2.17e-03	0.0	0.0
68	4	0.04	0.03	-0.48	-2.73e-04	0.0	5.53e-06
68	5	0.04	-0.03	-0.48	2.73e-04	0.0	-5.53e-06
68	6	-0.04	0.03	-0.51	-2.73e-04	0.0	5.53e-06
68	7	-0.04	-0.03	-0.51	2.73e-04	0.0	-5.53e-06
68	8	0.04	0.03	-0.48	-2.80e-04	0.0	-5.62e-06
68	9	0.04	-0.03	-0.48	2.80e-04	0.0	5.62e-06
68	10	-0.04	0.03	-0.51	-2.80e-04	0.0	-5.62e-06
68	11	-0.04	-0.03	-0.51	2.80e-04	0.0	5.62e-06
68	12	0.04	0.03	-0.48	-2.73e-04	0.0	5.53e-06
68	13	0.04	-0.03	-0.48	2.73e-04	0.0	-5.53e-06
68	14	-0.04	0.03	-0.51	-2.73e-04	0.0	5.53e-06

68	15	-0.04	-0.03	-0.51	2.73e-04	0.0	-5.53e-06
68	16	0.04	0.03	-0.48	-2.80e-04	0.0	-5.62e-06
68	17	0.04	-0.03	-0.48	2.80e-04	0.0	5.62e-06
68	18	-0.04	0.03	-0.51	-2.80e-04	0.0	-5.62e-06
68	19	-0.04	-0.03	-0.51	2.80e-04	0.0	5.62e-06
68	20	0.01	0.08	-0.49	-9.09e-04	0.0	1.84e-05
68	21	0.01	-0.08	-0.49	9.09e-04	0.0	-1.84e-05
68	22	-0.01	0.08	-0.50	-9.09e-04	0.0	1.84e-05
68	23	-0.01	-0.08	-0.50	9.09e-04	0.0	-1.84e-05
68	24	0.01	0.08	-0.49	-9.09e-04	0.0	1.84e-05
68	25	0.01	-0.08	-0.49	9.09e-04	0.0	-1.84e-05
68	26	-0.01	0.08	-0.50	-9.09e-04	0.0	1.84e-05
68	27	-0.01	-0.08	-0.50	9.09e-04	0.0	-1.84e-05
68	28	0.01	0.11	-0.49	-9.34e-04	0.0	-1.87e-05
68	29	0.01	-0.11	-0.49	9.34e-04	0.0	1.87e-05
68	30	-0.01	0.11	-0.50	-9.34e-04	0.0	-1.87e-05
68	31	-0.01	-0.11	-0.50	9.34e-04	0.0	1.87e-05
68	32	0.01	0.11	-0.49	-9.34e-04	0.0	-1.87e-05
68	33	0.01	-0.11	-0.49	9.34e-04	0.0	1.87e-05
68	34	-0.01	0.11	-0.50	-9.34e-04	0.0	-1.87e-05
68	35	-0.01	-0.11	-0.50	9.34e-04	0.0	1.87e-05
68	36	0.04	0.03	-0.48	-2.92e-04	0.0	5.88e-06
68	37	0.04	-0.03	-0.48	2.92e-04	0.0	-5.88e-06
68	38	-0.04	0.03	-0.51	-2.92e-04	0.0	5.88e-06
68	39	-0.04	-0.03	-0.51	2.92e-04	0.0	-5.88e-06
68	40	0.04	0.03	-0.48	-3.00e-04	0.0	-5.96e-06
68	41	0.04	-0.03	-0.48	3.00e-04	0.0	5.96e-06
68	42	-0.04	0.03	-0.51	-3.00e-04	0.0	-5.96e-06
68	43	-0.04	-0.03	-0.51	3.00e-04	0.0	5.96e-06
68	44	0.04	0.03	-0.48	-2.92e-04	0.0	5.88e-06
68	45	0.04	-0.03	-0.48	2.92e-04	0.0	-5.88e-06
68	46	-0.04	0.03	-0.51	-2.92e-04	0.0	5.88e-06
68	47	-0.04	-0.03	-0.51	2.92e-04	0.0	-5.88e-06
68	48	0.04	0.03	-0.48	-3.00e-04	0.0	-5.96e-06
68	49	0.04	-0.03	-0.48	3.00e-04	0.0	5.96e-06
68	50	-0.04	0.03	-0.51	-3.00e-04	0.0	-5.96e-06
68	51	-0.04	-0.03	-0.51	3.00e-04	0.0	5.96e-06
68	52	0.01	0.09	-0.49	-9.74e-04	0.0	1.96e-05
68	53	0.01	-0.09	-0.49	9.74e-04	0.0	-1.96e-05
68	54	-0.01	0.09	-0.50	-9.74e-04	0.0	1.96e-05
68	55	-0.01	-0.09	-0.50	9.74e-04	0.0	-1.96e-05
68	56	0.01	0.09	-0.49	-9.74e-04	0.0	1.96e-05
68	57	0.01	-0.09	-0.49	9.74e-04	0.0	-1.96e-05
68	58	-0.01	0.09	-0.50	-9.74e-04	0.0	1.96e-05
68	59	-0.01	-0.09	-0.50	9.74e-04	0.0	-1.96e-05
68	60	0.01	0.11	-0.49	-1.00e-03	0.0	1.99e-05
68	61	0.01	-0.11	-0.49	1.00e-03	0.0	-1.99e-05
68	62	-0.01	0.11	-0.50	-1.00e-03	0.0	1.99e-05
68	63	-0.01	-0.11	-0.50	1.00e-03	0.0	-1.99e-05
68	64	0.01	0.11	-0.49	-1.00e-03	0.0	1.99e-05
68	65	0.01	-0.11	-0.49	1.00e-03	0.0	-1.99e-05
68	66	-0.01	0.11	-0.50	-1.00e-03	0.0	1.99e-05
68	67	-0.01	-0.11	-0.50	1.00e-03	0.0	-1.99e-05
68	68	-5.45e-05	0.04	-0.49	-4.34e-04	0.0	0.0
68	69	-5.45e-05	0.0	-0.49	0.0	0.0	0.0
68	70	-5.45e-05	0.0	-0.49	0.0	0.0	0.0
69	1	-6.20e-05	0.29	-0.64	-3.25e-03	0.0	0.0
69	2	-4.77e-05	0.29	-0.49	-3.25e-03	0.0	0.0
69	3	-4.77e-05	0.19	-0.49	-2.17e-03	0.0	0.0
69	4	0.04	0.03	-0.48	-2.73e-04	0.0	5.57e-06
69	5	0.04	-0.03	-0.48	2.73e-04	0.0	-5.57e-06
69	6	-0.04	0.03	-0.51	-2.73e-04	0.0	5.57e-06
69	7	-0.04	-0.03	-0.51	2.73e-04	0.0	-5.57e-06
69	8	0.04	0.03	-0.48	-2.80e-04	0.0	-5.68e-06
69	9	0.04	-0.03	-0.48	2.80e-04	0.0	5.68e-06
69	10	-0.04	0.03	-0.51	-2.80e-04	0.0	-5.68e-06
69	11	-0.04	-0.03	-0.51	2.80e-04	0.0	5.68e-06
69	12	0.04	0.03	-0.48	-2.73e-04	0.0	5.57e-06
69	13	0.04	-0.03	-0.48	2.73e-04	0.0	-5.57e-06
69	14	-0.04	0.03	-0.51	-2.73e-04	0.0	5.57e-06
69	15	-0.04	-0.03	-0.51	2.73e-04	0.0	-5.57e-06
69	16	0.04	0.03	-0.48	-2.80e-04	0.0	-5.68e-06
69	17	0.04	-0.03	-0.48	2.80e-04	0.0	5.68e-06
69	18	-0.04	0.03	-0.51	-2.80e-04	0.0	-5.68e-06
69	19	-0.04	-0.03	-0.51	2.80e-04	0.0	5.68e-06

69	20	0.01	0.09	-0.49	-9.09e-04	0.0	1.86e-05
69	21	0.01	-0.09	-0.49	9.09e-04	0.0	-1.86e-05
69	22	-0.01	0.09	-0.50	-9.09e-04	0.0	1.86e-05
69	23	-0.01	-0.09	-0.50	9.09e-04	0.0	-1.86e-05
69	24	0.01	0.09	-0.49	-9.09e-04	0.0	1.86e-05
69	25	0.01	-0.09	-0.49	9.09e-04	0.0	-1.86e-05
69	26	-0.01	0.09	-0.50	-9.09e-04	0.0	1.86e-05
69	27	-0.01	-0.09	-0.50	9.09e-04	0.0	-1.86e-05
69	28	0.01	0.11	-0.49	-9.32e-04	0.0	-1.89e-05
69	29	0.01	-0.11	-0.49	9.32e-04	0.0	1.89e-05
69	30	-0.01	0.11	-0.50	-9.32e-04	0.0	-1.89e-05
69	31	-0.01	-0.11	-0.50	9.32e-04	0.0	1.89e-05
69	32	0.01	0.11	-0.49	-9.32e-04	0.0	-1.89e-05
69	33	0.01	-0.11	-0.49	9.32e-04	0.0	1.89e-05
69	34	-0.01	0.11	-0.50	-9.32e-04	0.0	-1.89e-05
69	35	-0.01	-0.11	-0.50	9.32e-04	0.0	1.89e-05
69	36	0.04	0.03	-0.48	-2.92e-04	0.0	5.93e-06
69	37	0.04	-0.03	-0.48	2.92e-04	0.0	-5.93e-06
69	38	-0.04	0.03	-0.51	-2.92e-04	0.0	5.93e-06
69	39	-0.04	-0.03	-0.51	2.92e-04	0.0	-5.93e-06
69	40	0.04	0.03	-0.48	-3.00e-04	0.0	-6.03e-06
69	41	0.04	-0.03	-0.48	3.00e-04	0.0	6.03e-06
69	42	-0.04	0.03	-0.51	-3.00e-04	0.0	-6.03e-06
69	43	-0.04	-0.03	-0.51	3.00e-04	0.0	6.03e-06
69	44	0.04	0.03	-0.48	-2.92e-04	0.0	5.93e-06
69	45	0.04	-0.03	-0.48	2.92e-04	0.0	-5.93e-06
69	46	-0.04	0.03	-0.51	-2.92e-04	0.0	5.93e-06
69	47	-0.04	-0.03	-0.51	2.92e-04	0.0	-5.93e-06
69	48	0.04	0.03	-0.48	-3.00e-04	0.0	-6.03e-06
69	49	0.04	-0.03	-0.48	3.00e-04	0.0	6.03e-06
69	50	-0.04	0.03	-0.51	-3.00e-04	0.0	-6.03e-06
69	51	-0.04	-0.03	-0.51	3.00e-04	0.0	6.03e-06
69	52	0.01	0.09	-0.49	-9.75e-04	0.0	1.98e-05
69	53	0.01	-0.09	-0.49	9.75e-04	0.0	-1.98e-05
69	54	-0.01	0.09	-0.50	-9.75e-04	0.0	1.98e-05
69	55	-0.01	-0.09	-0.50	9.75e-04	0.0	-1.98e-05
69	56	0.01	0.09	-0.49	-9.75e-04	0.0	1.98e-05
69	57	0.01	-0.09	-0.49	9.75e-04	0.0	-1.98e-05
69	58	-0.01	0.09	-0.50	-9.75e-04	0.0	1.98e-05
69	59	-0.01	-0.09	-0.50	9.75e-04	0.0	-1.98e-05
69	60	0.01	0.11	-0.49	-9.99e-04	0.0	-2.01e-05
69	61	0.01	-0.11	-0.49	9.99e-04	0.0	2.01e-05
69	62	-0.01	0.11	-0.50	-9.99e-04	0.0	-2.01e-05
69	63	-0.01	-0.11	-0.50	9.99e-04	0.0	2.01e-05
69	64	0.01	0.11	-0.49	-9.99e-04	0.0	-2.01e-05
69	65	0.01	-0.11	-0.49	9.99e-04	0.0	2.01e-05
69	66	-0.01	0.11	-0.50	-9.99e-04	0.0	-2.01e-05
69	67	-0.01	-0.11	-0.50	9.99e-04	0.0	2.01e-05
69	68	-4.77e-05	0.04	-0.49	-4.34e-04	0.0	0.0
69	69	-4.77e-05	0.0	-0.49	0.0	0.0	0.0
69	70	-4.77e-05	0.0	-0.49	0.0	0.0	0.0
70	1	-5.31e-05	0.29	-0.64	-3.26e-03	0.0	0.0
70	2	-4.09e-05	0.29	-0.49	-3.26e-03	0.0	0.0
70	3	-4.09e-05	0.19	-0.49	-2.17e-03	0.0	0.0
70	4	0.04	0.03	-0.48	-2.73e-04	0.0	5.63e-06
70	5	0.04	-0.03	-0.48	2.73e-04	0.0	-5.63e-06
70	6	-0.04	0.03	-0.50	-2.73e-04	0.0	5.63e-06
70	7	-0.04	-0.03	-0.50	2.73e-04	0.0	-5.63e-06
70	8	0.04	0.03	-0.48	-2.79e-04	0.0	-5.72e-06
70	9	0.04	-0.03	-0.48	2.79e-04	0.0	5.72e-06
70	10	-0.04	0.03	-0.50	-2.79e-04	0.0	-5.72e-06
70	11	-0.04	-0.03	-0.50	2.79e-04	0.0	5.72e-06
70	12	0.04	0.03	-0.48	-2.73e-04	0.0	5.63e-06
70	13	0.04	-0.03	-0.48	2.73e-04	0.0	-5.63e-06
70	14	-0.04	0.03	-0.50	-2.73e-04	0.0	5.63e-06
70	15	-0.04	-0.03	-0.50	2.73e-04	0.0	-5.63e-06
70	16	0.04	0.03	-0.48	-2.79e-04	0.0	-5.72e-06
70	17	0.04	-0.03	-0.48	2.79e-04	0.0	5.72e-06
70	18	-0.04	0.03	-0.50	-2.79e-04	0.0	-5.72e-06
70	19	-0.04	-0.03	-0.50	2.79e-04	0.0	5.72e-06
70	20	0.01	0.09	-0.49	-9.10e-04	0.0	1.88e-05
70	21	0.01	-0.09	-0.49	9.10e-04	0.0	-1.88e-05
70	22	-0.01	0.09	-0.50	-9.10e-04	0.0	1.88e-05
70	23	-0.01	-0.09	-0.50	9.10e-04	0.0	-1.88e-05
70	24	0.01	0.09	-0.49	-9.10e-04	0.0	1.88e-05

70	25	0.01	-0.09	-0.49	9.10e-04	0.0	-1.88e-05
70	26	-0.01	0.09	-0.50	-9.10e-04	0.0	1.88e-05
70	27	-0.01	-0.09	-0.50	9.10e-04	0.0	-1.88e-05
70	28	0.01	0.10	-0.49	-9.31e-04	0.0	-1.91e-05
70	29	0.01	-0.10	-0.49	9.31e-04	0.0	1.91e-05
70	30	-0.01	0.10	-0.50	-9.31e-04	0.0	-1.91e-05
70	31	-0.01	-0.10	-0.50	9.31e-04	0.0	1.91e-05
70	32	0.01	0.10	-0.49	-9.31e-04	0.0	-1.91e-05
70	33	0.01	-0.10	-0.49	9.31e-04	0.0	1.91e-05
70	34	-0.01	0.10	-0.50	-9.31e-04	0.0	-1.91e-05
70	35	-0.01	-0.10	-0.50	9.31e-04	0.0	1.91e-05
70	36	0.04	0.03	-0.48	-2.93e-04	0.0	5.99e-06
70	37	0.04	-0.03	-0.48	2.93e-04	0.0	-5.99e-06
70	38	-0.04	0.03	-0.50	-2.93e-04	0.0	5.99e-06
70	39	-0.04	-0.03	-0.50	2.93e-04	0.0	-5.99e-06
70	40	0.04	0.03	-0.48	-2.99e-04	0.0	-6.07e-06
70	41	0.04	-0.03	-0.48	2.99e-04	0.0	6.07e-06
70	42	-0.04	0.03	-0.50	-2.99e-04	0.0	-6.07e-06
70	43	-0.04	-0.03	-0.50	2.99e-04	0.0	6.07e-06
70	44	0.04	0.03	-0.48	-2.93e-04	0.0	5.99e-06
70	45	0.04	-0.03	-0.48	2.93e-04	0.0	-5.99e-06
70	46	-0.04	0.03	-0.50	-2.93e-04	0.0	5.99e-06
70	47	-0.04	-0.03	-0.50	2.93e-04	0.0	-5.99e-06
70	48	0.04	0.03	-0.48	-2.99e-04	0.0	-6.07e-06
70	49	0.04	-0.03	-0.48	2.99e-04	0.0	6.07e-06
70	50	-0.04	0.03	-0.50	-2.99e-04	0.0	-6.07e-06
70	51	-0.04	-0.03	-0.50	2.99e-04	0.0	6.07e-06
70	52	0.01	0.09	-0.49	-9.76e-04	0.0	2.00e-05
70	53	0.01	-0.09	-0.49	9.76e-04	0.0	-2.00e-05
70	54	-0.01	0.09	-0.50	-9.76e-04	0.0	2.00e-05
70	55	-0.01	-0.09	-0.50	9.76e-04	0.0	-2.00e-05
70	56	0.01	0.09	-0.49	-9.76e-04	0.0	2.00e-05
70	57	0.01	-0.09	-0.49	9.76e-04	0.0	-2.00e-05
70	58	-0.01	0.09	-0.50	-9.76e-04	0.0	2.00e-05
70	59	-0.01	-0.09	-0.50	9.76e-04	0.0	-2.00e-05
70	60	0.01	0.11	-0.49	-9.98e-04	0.0	-2.02e-05
70	61	0.01	-0.11	-0.49	9.98e-04	0.0	2.02e-05
70	62	-0.01	0.11	-0.50	-9.98e-04	0.0	-2.02e-05
70	63	-0.01	-0.11	-0.50	9.98e-04	0.0	2.02e-05
70	64	0.01	0.11	-0.49	-9.98e-04	0.0	-2.02e-05
70	65	0.01	-0.11	-0.49	9.98e-04	0.0	2.02e-05
70	66	-0.01	0.11	-0.50	-9.98e-04	0.0	-2.02e-05
70	67	-0.01	-0.11	-0.50	9.98e-04	0.0	2.02e-05
70	68	-4.09e-05	0.04	-0.49	-4.34e-04	0.0	0.0
70	69	-4.09e-05	0.0	-0.49	0.0	0.0	0.0
70	70	-4.09e-05	0.0	-0.49	0.0	0.0	0.0
71	1	-4.42e-05	0.29	-0.64	-3.25e-03	0.0	0.0
71	2	-3.40e-05	0.29	-0.49	-3.25e-03	0.0	0.0
71	3	-3.40e-05	0.19	-0.49	-2.17e-03	0.0	0.0
71	4	0.04	0.03	-0.48	-2.74e-04	0.0	5.69e-06
71	5	0.04	-0.03	-0.48	2.74e-04	0.0	-5.69e-06
71	6	-0.04	0.03	-0.50	-2.74e-04	0.0	5.69e-06
71	7	-0.04	-0.03	-0.50	2.74e-04	0.0	-5.69e-06
71	8	0.04	0.03	-0.48	-2.79e-04	0.0	-5.75e-06
71	9	0.04	-0.03	-0.48	2.79e-04	0.0	5.75e-06
71	10	-0.04	0.03	-0.50	-2.79e-04	0.0	-5.75e-06
71	11	-0.04	-0.03	-0.50	2.79e-04	0.0	5.75e-06
71	12	0.04	0.03	-0.48	-2.74e-04	0.0	5.69e-06
71	13	0.04	-0.03	-0.48	2.74e-04	0.0	-5.69e-06
71	14	-0.04	0.03	-0.50	-2.74e-04	0.0	5.69e-06
71	15	-0.04	-0.03	-0.50	2.74e-04	0.0	-5.69e-06
71	16	0.04	0.03	-0.48	-2.79e-04	0.0	-5.75e-06
71	17	0.04	-0.03	-0.48	2.79e-04	0.0	5.75e-06
71	18	-0.04	0.03	-0.50	-2.79e-04	0.0	-5.75e-06
71	19	-0.04	-0.03	-0.50	2.79e-04	0.0	5.75e-06
71	20	0.01	0.09	-0.49	-9.12e-04	0.0	1.90e-05
71	21	0.01	-0.09	-0.49	9.12e-04	0.0	-1.90e-05
71	22	-0.01	0.09	-0.50	-9.12e-04	0.0	1.90e-05
71	23	-0.01	-0.09	-0.50	9.12e-04	0.0	-1.90e-05
71	24	0.01	0.09	-0.49	-9.12e-04	0.0	1.90e-05
71	25	0.01	-0.09	-0.49	9.12e-04	0.0	-1.90e-05
71	26	-0.01	0.09	-0.50	-9.12e-04	0.0	1.90e-05
71	27	-0.01	-0.09	-0.50	9.12e-04	0.0	-1.90e-05
71	28	0.01	0.10	-0.49	-9.30e-04	0.0	-1.92e-05
71	29	0.01	-0.10	-0.49	9.30e-04	0.0	1.92e-05

71	30	-0.01	0.10	-0.50	-9.30e-04	0.0	-1.92e-05
71	31	-0.01	-0.10	-0.50	9.30e-04	0.0	1.92e-05
71	32	0.01	0.10	-0.49	-9.30e-04	0.0	-1.92e-05
71	33	0.01	-0.10	-0.49	9.30e-04	0.0	1.92e-05
71	34	-0.01	0.10	-0.50	-9.30e-04	0.0	-1.92e-05
71	35	-0.01	-0.10	-0.50	9.30e-04	0.0	1.92e-05
71	36	0.04	0.03	-0.48	-2.93e-04	0.0	6.06e-06
71	37	0.04	-0.03	-0.48	2.93e-04	0.0	-6.06e-06
71	38	-0.04	0.03	-0.50	-2.93e-04	0.0	6.06e-06
71	39	-0.04	-0.03	-0.50	2.93e-04	0.0	-6.06e-06
71	40	0.04	0.03	-0.48	-2.99e-04	0.0	-6.10e-06
71	41	0.04	-0.03	-0.48	2.99e-04	0.0	6.10e-06
71	42	-0.04	0.03	-0.50	-2.99e-04	0.0	-6.10e-06
71	43	-0.04	-0.03	-0.50	2.99e-04	0.0	6.10e-06
71	44	0.04	0.03	-0.48	-2.93e-04	0.0	6.06e-06
71	45	0.04	-0.03	-0.48	2.93e-04	0.0	-6.06e-06
71	46	-0.04	0.03	-0.50	-2.93e-04	0.0	6.06e-06
71	47	-0.04	-0.03	-0.50	2.93e-04	0.0	-6.06e-06
71	48	0.04	0.03	-0.48	-2.99e-04	0.0	-6.10e-06
71	49	0.04	-0.03	-0.48	2.99e-04	0.0	6.10e-06
71	50	-0.04	0.03	-0.50	-2.99e-04	0.0	-6.10e-06
71	51	-0.04	-0.03	-0.50	2.99e-04	0.0	6.10e-06
71	52	0.01	0.09	-0.49	-9.77e-04	0.0	2.02e-05
71	53	0.01	-0.09	-0.49	9.77e-04	0.0	-2.02e-05
71	54	-0.01	0.09	-0.49	-9.77e-04	0.0	2.02e-05
71	55	-0.01	-0.09	-0.49	9.77e-04	0.0	-2.02e-05
71	56	0.01	0.09	-0.49	-9.77e-04	0.0	2.02e-05
71	57	0.01	-0.09	-0.49	9.77e-04	0.0	-2.02e-05
71	58	-0.01	0.09	-0.49	-9.77e-04	0.0	2.02e-05
71	59	-0.01	-0.09	-0.49	9.77e-04	0.0	-2.02e-05
71	60	0.01	0.11	-0.49	-9.96e-04	0.0	-2.03e-05
71	61	0.01	-0.11	-0.49	9.96e-04	0.0	2.03e-05
71	62	-0.01	0.11	-0.49	-9.96e-04	0.0	-2.03e-05
71	63	-0.01	-0.11	-0.49	9.96e-04	0.0	2.03e-05
71	64	0.01	0.11	-0.49	-9.96e-04	0.0	-2.03e-05
71	65	0.01	-0.11	-0.49	9.96e-04	0.0	2.03e-05
71	66	-0.01	0.11	-0.49	-9.96e-04	0.0	-2.03e-05
71	67	-0.01	-0.11	-0.49	9.96e-04	0.0	2.03e-05
71	68	-3.40e-05	0.04	-0.49	-4.34e-04	0.0	0.0
71	69	-3.40e-05	0.0	-0.49	0.0	0.0	0.0
71	70	-3.40e-05	0.0	-0.49	0.0	0.0	0.0
72	1	-3.52e-05	0.29	-0.64	-3.25e-03	0.0	0.0
72	2	-2.71e-05	0.29	-0.49	-3.25e-03	0.0	0.0
72	3	-2.71e-05	0.19	-0.49	-2.17e-03	0.0	0.0
72	4	0.04	0.03	-0.48	-2.74e-04	0.0	5.72e-06
72	5	0.04	-0.03	-0.48	2.74e-04	0.0	-5.72e-06
72	6	-0.04	0.03	-0.50	-2.74e-04	0.0	5.72e-06
72	7	-0.04	-0.03	-0.50	2.74e-04	0.0	-5.72e-06
72	8	0.04	0.03	-0.48	-2.78e-04	0.0	-5.79e-06
72	9	0.04	-0.03	-0.48	2.78e-04	0.0	5.79e-06
72	10	-0.04	0.03	-0.50	-2.78e-04	0.0	-5.79e-06
72	11	-0.04	-0.03	-0.50	2.78e-04	0.0	5.79e-06
72	12	0.04	0.03	-0.48	-2.74e-04	0.0	5.72e-06
72	13	0.04	-0.03	-0.48	2.74e-04	0.0	-5.72e-06
72	14	-0.04	0.03	-0.50	-2.74e-04	0.0	5.72e-06
72	15	-0.04	-0.03	-0.50	2.74e-04	0.0	-5.72e-06
72	16	0.04	0.03	-0.48	-2.78e-04	0.0	-5.79e-06
72	17	0.04	-0.03	-0.48	2.78e-04	0.0	5.79e-06
72	18	-0.04	0.03	-0.50	-2.78e-04	0.0	-5.79e-06
72	19	-0.04	-0.03	-0.50	2.78e-04	0.0	5.79e-06
72	20	0.01	0.09	-0.49	-9.13e-04	0.0	1.91e-05
72	21	0.01	-0.09	-0.49	9.13e-04	0.0	-1.91e-05
72	22	-0.01	0.09	-0.49	-9.13e-04	0.0	1.91e-05
72	23	-0.01	-0.09	-0.49	9.13e-04	0.0	-1.91e-05
72	24	0.01	0.09	-0.49	-9.13e-04	0.0	1.91e-05
72	25	0.01	-0.09	-0.49	9.13e-04	0.0	-1.91e-05
72	26	-0.01	0.09	-0.49	-9.13e-04	0.0	1.91e-05
72	27	-0.01	-0.09	-0.49	9.13e-04	0.0	-1.91e-05
72	28	0.01	0.10	-0.49	-9.28e-04	0.0	-1.93e-05
72	29	0.01	-0.10	-0.49	9.28e-04	0.0	1.93e-05
72	30	-0.01	0.10	-0.49	-9.28e-04	0.0	-1.93e-05
72	31	-0.01	-0.10	-0.49	9.28e-04	0.0	1.93e-05
72	32	0.01	0.10	-0.49	-9.28e-04	0.0	-1.93e-05
72	33	0.01	-0.10	-0.49	9.28e-04	0.0	1.93e-05
72	34	-0.01	0.10	-0.49	-9.28e-04	0.0	-1.93e-05



72	35	-0.01	-0.10	-0.49	9.28e-04	0.0	1.93e-05
72	36	0.04	0.03	-0.48	-2.94e-04	0.0	6.09e-06
72	37	0.04	-0.03	-0.48	2.94e-04	0.0	-6.09e-06
72	38	-0.04	0.03	-0.50	-2.94e-04	0.0	6.09e-06
72	39	-0.04	-0.03	-0.50	2.94e-04	0.0	-6.09e-06
72	40	0.04	0.03	-0.48	-2.98e-04	0.0	-6.15e-06
72	41	0.04	-0.03	-0.48	2.98e-04	0.0	6.15e-06
72	42	-0.04	0.03	-0.50	-2.98e-04	0.0	-6.15e-06
72	43	-0.04	-0.03	-0.50	2.98e-04	0.0	6.15e-06
72	44	0.04	0.03	-0.48	-2.94e-04	0.0	6.09e-06
72	45	0.04	-0.03	-0.48	2.94e-04	0.0	-6.09e-06
72	46	-0.04	0.03	-0.50	-2.94e-04	0.0	6.09e-06
72	47	-0.04	-0.03	-0.50	2.94e-04	0.0	-6.09e-06
72	48	0.04	0.03	-0.48	-2.98e-04	0.0	-6.15e-06
72	49	0.04	-0.03	-0.48	2.98e-04	0.0	6.15e-06
72	50	-0.04	0.03	-0.50	-2.98e-04	0.0	-6.15e-06
72	51	-0.04	-0.03	-0.50	2.98e-04	0.0	6.15e-06
72	52	0.01	0.10	-0.49	-9.79e-04	0.0	2.03e-05
72	53	0.01	-0.10	-0.49	9.79e-04	0.0	-2.03e-05
72	54	-0.01	0.10	-0.49	-9.79e-04	0.0	2.03e-05
72	55	-0.01	-0.10	-0.49	9.79e-04	0.0	-2.03e-05
72	56	0.01	0.10	-0.49	-9.79e-04	0.0	2.03e-05
72	57	0.01	-0.10	-0.49	9.79e-04	0.0	-2.03e-05
72	58	-0.01	0.10	-0.49	-9.79e-04	0.0	2.03e-05
72	59	-0.01	-0.10	-0.49	9.79e-04	0.0	-2.03e-05
72	60	0.01	0.11	-0.49	-9.95e-04	0.0	-2.05e-05
72	61	0.01	-0.11	-0.49	9.95e-04	0.0	2.05e-05
72	62	-0.01	0.11	-0.49	-9.95e-04	0.0	-2.05e-05
72	63	-0.01	-0.11	-0.49	9.95e-04	0.0	2.05e-05
72	64	0.01	0.11	-0.49	-9.95e-04	0.0	-2.05e-05
72	65	0.01	-0.11	-0.49	9.95e-04	0.0	2.05e-05
72	66	-0.01	0.11	-0.49	-9.95e-04	0.0	-2.05e-05
72	67	-0.01	-0.11	-0.49	9.95e-04	0.0	2.05e-05
72	68	-2.71e-05	0.04	-0.49	-4.34e-04	0.0	0.0
72	69	-2.71e-05	0.0	-0.49	0.0	0.0	0.0
72	70	-2.71e-05	0.0	-0.49	0.0	0.0	0.0
73	1	-2.63e-05	0.29	-0.64	-3.25e-03	0.0	0.0
73	2	-2.02e-05	0.29	-0.49	-3.25e-03	0.0	0.0
73	3	-2.02e-05	0.19	-0.49	-2.17e-03	0.0	0.0
73	4	0.04	0.03	-0.49	-2.74e-04	0.0	5.75e-06
73	5	0.04	-0.03	-0.49	2.74e-04	0.0	-5.75e-06
73	6	-0.04	0.03	-0.50	-2.74e-04	0.0	5.75e-06
73	7	-0.04	-0.03	-0.50	2.74e-04	0.0	-5.75e-06
73	8	0.04	0.03	-0.49	-2.78e-04	0.0	-5.83e-06
73	9	0.04	-0.03	-0.49	2.78e-04	0.0	5.83e-06
73	10	-0.04	0.03	-0.50	-2.78e-04	0.0	-5.83e-06
73	11	-0.04	-0.03	-0.50	2.78e-04	0.0	5.83e-06
73	12	0.04	0.03	-0.49	-2.74e-04	0.0	5.75e-06
73	13	0.04	-0.03	-0.49	2.74e-04	0.0	-5.75e-06
73	14	-0.04	0.03	-0.50	-2.74e-04	0.0	5.75e-06
73	15	-0.04	-0.03	-0.50	2.74e-04	0.0	-5.75e-06
73	16	0.04	0.03	-0.49	-2.78e-04	0.0	-5.83e-06
73	17	0.04	-0.03	-0.49	2.78e-04	0.0	5.83e-06
73	18	-0.04	0.03	-0.50	-2.78e-04	0.0	-5.83e-06
73	19	-0.04	-0.03	-0.50	2.78e-04	0.0	5.83e-06
73	20	0.01	0.09	-0.49	-9.15e-04	0.0	1.92e-05
73	21	0.01	-0.09	-0.49	9.15e-04	0.0	-1.92e-05
73	22	-0.01	0.09	-0.49	-9.15e-04	0.0	1.92e-05
73	23	-0.01	-0.09	-0.49	9.15e-04	0.0	-1.92e-05
73	24	0.01	0.09	-0.49	-9.15e-04	0.0	1.92e-05
73	25	0.01	-0.09	-0.49	9.15e-04	0.0	-1.92e-05
73	26	-0.01	0.09	-0.49	-9.15e-04	0.0	1.92e-05
73	27	-0.01	-0.09	-0.49	9.15e-04	0.0	-1.92e-05
73	28	0.01	0.10	-0.49	-9.26e-04	0.0	-1.94e-05
73	29	0.01	-0.10	-0.49	9.26e-04	0.0	1.94e-05
73	30	-0.01	0.10	-0.49	-9.26e-04	0.0	-1.94e-05
73	31	-0.01	-0.10	-0.49	9.26e-04	0.0	1.94e-05
73	32	0.01	0.10	-0.49	-9.26e-04	0.0	-1.94e-05
73	33	0.01	-0.10	-0.49	9.26e-04	0.0	1.94e-05
73	34	-0.01	0.10	-0.49	-9.26e-04	0.0	-1.94e-05
73	35	-0.01	-0.10	-0.49	9.26e-04	0.0	1.94e-05
73	36	0.04	0.03	-0.49	-2.94e-04	0.0	6.12e-06
73	37	0.04	-0.03	-0.49	2.94e-04	0.0	-6.12e-06
73	38	-0.04	0.03	-0.50	-2.94e-04	0.0	6.12e-06
73	39	-0.04	-0.03	-0.50	2.94e-04	0.0	-6.12e-06

73	40	0.04	0.03	-0.49	-2.98e-04	0.0	-6.19e-06
73	41	0.04	-0.03	-0.49	2.98e-04	0.0	6.19e-06
73	42	-0.04	0.03	-0.50	-2.98e-04	0.0	-6.19e-06
73	43	-0.04	-0.03	-0.50	2.98e-04	0.0	6.19e-06
73	44	0.04	0.03	-0.49	-2.94e-04	0.0	6.12e-06
73	45	0.04	-0.03	-0.49	2.94e-04	0.0	-6.12e-06
73	46	-0.04	0.03	-0.50	-2.94e-04	0.0	6.12e-06
73	47	-0.04	-0.03	-0.50	2.94e-04	0.0	-6.12e-06
73	48	0.04	0.03	-0.49	-2.98e-04	0.0	-6.19e-06
73	49	0.04	-0.03	-0.49	2.98e-04	0.0	6.19e-06
73	50	-0.04	0.03	-0.50	-2.98e-04	0.0	-6.19e-06
73	51	-0.04	-0.03	-0.50	2.98e-04	0.0	6.19e-06
73	52	0.01	0.10	-0.49	-9.81e-04	0.0	2.04e-05
73	53	0.01	-0.10	-0.49	9.81e-04	0.0	-2.04e-05
73	54	-0.01	0.10	-0.49	-9.81e-04	0.0	2.04e-05
73	55	-0.01	-0.10	-0.49	9.81e-04	0.0	-2.04e-05
73	56	0.01	0.10	-0.49	-9.81e-04	0.0	2.04e-05
73	57	0.01	-0.10	-0.49	9.81e-04	0.0	-2.04e-05
73	58	-0.01	0.10	-0.49	-9.81e-04	0.0	2.04e-05
73	59	-0.01	-0.10	-0.49	9.81e-04	0.0	-2.04e-05
73	60	0.01	0.11	-0.49	-9.93e-04	0.0	-2.06e-05
73	61	0.01	-0.11	-0.49	9.93e-04	0.0	2.06e-05
73	62	-0.01	0.11	-0.49	-9.93e-04	0.0	-2.06e-05
73	63	-0.01	-0.11	-0.49	9.93e-04	0.0	2.06e-05
73	64	0.01	0.11	-0.49	-9.93e-04	0.0	-2.06e-05
73	65	0.01	-0.11	-0.49	9.93e-04	0.0	2.06e-05
73	66	-0.01	0.11	-0.49	-9.93e-04	0.0	-2.06e-05
73	67	-0.01	-0.11	-0.49	9.93e-04	0.0	2.06e-05
73	68	-2.02e-05	0.04	-0.49	-4.34e-04	0.0	0.0
73	69	-2.02e-05	0.0	-0.49	0.0	0.0	0.0
73	70	-2.02e-05	0.0	-0.49	0.0	0.0	0.0
74	1	-1.76e-05	0.29	-0.64	-3.26e-03	0.0	0.0
74	2	-1.35e-05	0.29	-0.49	-3.26e-03	0.0	0.0
74	3	-1.35e-05	0.19	-0.49	-2.17e-03	0.0	0.0
74	4	0.04	0.03	-0.49	-2.75e-04	0.0	5.79e-06
74	5	0.04	-0.03	-0.49	2.75e-04	0.0	-5.79e-06
74	6	-0.04	0.03	-0.50	-2.75e-04	0.0	5.79e-06
74	7	-0.04	-0.03	-0.50	2.75e-04	0.0	-5.79e-06
74	8	0.04	0.03	-0.49	-2.77e-04	0.0	-5.83e-06
74	9	0.04	-0.03	-0.49	2.77e-04	0.0	5.83e-06
74	10	-0.04	0.03	-0.50	-2.77e-04	0.0	-5.83e-06
74	11	-0.04	-0.03	-0.50	2.77e-04	0.0	5.83e-06
74	12	0.04	0.03	-0.49	-2.75e-04	0.0	5.79e-06
74	13	0.04	-0.03	-0.49	2.75e-04	0.0	-5.79e-06
74	14	-0.04	0.03	-0.50	-2.75e-04	0.0	5.79e-06
74	15	-0.04	-0.03	-0.50	2.75e-04	0.0	-5.79e-06
74	16	0.04	0.03	-0.49	-2.77e-04	0.0	-5.83e-06
74	17	0.04	-0.03	-0.49	2.77e-04	0.0	5.83e-06
74	18	-0.04	0.03	-0.50	-2.77e-04	0.0	-5.83e-06
74	19	-0.04	-0.03	-0.50	2.77e-04	0.0	5.83e-06
74	20	0.01	0.09	-0.49	-9.17e-04	0.0	1.93e-05
74	21	0.01	-0.09	-0.49	9.17e-04	0.0	-1.93e-05
74	22	-0.01	0.09	-0.49	-9.17e-04	0.0	1.93e-05
74	23	-0.01	-0.09	-0.49	9.17e-04	0.0	-1.93e-05
74	24	0.01	0.09	-0.49	-9.17e-04	0.0	1.93e-05
74	25	0.01	-0.09	-0.49	9.17e-04	0.0	-1.93e-05
74	26	-0.01	0.09	-0.49	-9.17e-04	0.0	1.93e-05
74	27	-0.01	-0.09	-0.49	9.17e-04	0.0	-1.93e-05
74	28	0.01	0.10	-0.49	-9.24e-04	0.0	-1.94e-05
74	29	0.01	-0.10	-0.49	9.24e-04	0.0	1.94e-05
74	30	-0.01	0.10	-0.49	-9.24e-04	0.0	-1.94e-05
74	31	-0.01	-0.10	-0.49	9.24e-04	0.0	1.94e-05
74	32	0.01	0.10	-0.49	-9.24e-04	0.0	-1.94e-05
74	33	0.01	-0.10	-0.49	9.24e-04	0.0	1.94e-05
74	34	-0.01	0.10	-0.49	-9.24e-04	0.0	-1.94e-05
74	35	-0.01	-0.10	-0.49	9.24e-04	0.0	1.94e-05
74	36	0.04	0.03	-0.49	-2.95e-04	0.0	6.16e-06
74	37	0.04	-0.03	-0.49	2.95e-04	0.0	-6.16e-06
74	38	-0.04	0.03	-0.50	-2.95e-04	0.0	6.16e-06
74	39	-0.04	-0.03	-0.50	2.95e-04	0.0	-6.16e-06
74	40	0.04	0.03	-0.49	-2.97e-04	0.0	-6.19e-06
74	41	0.04	-0.03	-0.49	2.97e-04	0.0	6.19e-06
74	42	-0.04	0.03	-0.50	-2.97e-04	0.0	-6.19e-06
74	43	-0.04	-0.03	-0.50	2.97e-04	0.0	6.19e-06
74	44	0.04	0.03	-0.49	-2.95e-04	0.0	6.16e-06

74	45	0.04	-0.03	-0.49	2.95e-04	0.0	-6.16e-06
74	46	-0.04	0.03	-0.50	-2.95e-04	0.0	6.16e-06
74	47	-0.04	-0.03	-0.50	2.95e-04	0.0	-6.16e-06
74	48	0.04	0.03	-0.49	-2.97e-04	0.0	-6.19e-06
74	49	0.04	-0.03	-0.49	2.97e-04	0.0	6.19e-06
74	50	-0.04	0.03	-0.50	-2.97e-04	0.0	-6.19e-06
74	51	-0.04	-0.03	-0.50	2.97e-04	0.0	6.19e-06
74	52	0.01	0.10	-0.49	-9.82e-04	0.0	2.05e-05
74	53	0.01	-0.10	-0.49	9.82e-04	0.0	-2.05e-05
74	54	-0.01	0.10	-0.49	-9.82e-04	0.0	2.05e-05
74	55	-0.01	-0.10	-0.49	9.82e-04	0.0	-2.05e-05
74	56	0.01	0.10	-0.49	-9.82e-04	0.0	2.05e-05
74	57	0.01	-0.10	-0.49	9.82e-04	0.0	-2.05e-05
74	58	-0.01	0.10	-0.49	-9.82e-04	0.0	2.05e-05
74	59	-0.01	-0.10	-0.49	9.82e-04	0.0	-2.05e-05
74	60	0.01	0.11	-0.49	-9.91e-04	0.0	2.06e-05
74	61	0.01	-0.11	-0.49	9.91e-04	0.0	-2.06e-05
74	62	-0.01	0.11	-0.49	-9.91e-04	0.0	2.06e-05
74	63	-0.01	-0.11	-0.49	9.91e-04	0.0	-2.06e-05
74	64	0.01	0.11	-0.49	-9.91e-04	0.0	2.06e-05
74	65	0.01	-0.11	-0.49	9.91e-04	0.0	-2.06e-05
74	66	-0.01	0.11	-0.49	-9.91e-04	0.0	2.06e-05
74	67	-0.01	-0.11	-0.49	9.91e-04	0.0	-2.06e-05
74	68	-1.35e-05	0.04	-0.49	-4.34e-04	0.0	0.0
74	69	-1.35e-05	0.0	-0.49	0.0	0.0	0.0
74	70	-1.35e-05	0.0	-0.49	0.0	0.0	0.0
75	1	-8.87e-06	0.29	-0.64	-3.26e-03	0.0	0.0
75	2	-6.83e-06	0.29	-0.49	-3.26e-03	0.0	0.0
75	3	-6.83e-06	0.19	-0.49	-2.17e-03	0.0	0.0
75	4	0.04	0.03	-0.49	-2.76e-04	0.0	5.82e-06
75	5	0.04	-0.03	-0.49	2.76e-04	0.0	-5.82e-06
75	6	-0.04	0.03	-0.49	-2.76e-04	0.0	5.82e-06
75	7	-0.04	-0.03	-0.49	2.76e-04	0.0	-5.82e-06
75	8	0.04	0.03	-0.49	-2.77e-04	0.0	5.82e-06
75	9	0.04	-0.03	-0.49	2.77e-04	0.0	-5.82e-06
75	10	-0.04	0.03	-0.49	-2.77e-04	0.0	5.82e-06
75	11	-0.04	-0.03	-0.49	2.77e-04	0.0	-5.82e-06
75	12	0.04	0.03	-0.49	-2.76e-04	0.0	5.82e-06
75	13	0.04	-0.03	-0.49	2.76e-04	0.0	-5.82e-06
75	14	-0.04	0.03	-0.49	-2.76e-04	0.0	5.82e-06
75	15	-0.04	-0.03	-0.49	2.76e-04	0.0	-5.82e-06
75	16	0.04	0.03	-0.49	-2.77e-04	0.0	5.82e-06
75	17	0.04	-0.03	-0.49	2.77e-04	0.0	-5.82e-06
75	18	-0.04	0.03	-0.49	-2.77e-04	0.0	5.82e-06
75	19	-0.04	-0.03	-0.49	2.77e-04	0.0	-5.82e-06
75	20	0.01	0.09	-0.49	-9.19e-04	0.0	1.94e-05
75	21	0.01	-0.09	-0.49	9.19e-04	0.0	-1.94e-05
75	22	-0.01	0.09	-0.49	-9.19e-04	0.0	1.94e-05
75	23	-0.01	-0.09	-0.49	9.19e-04	0.0	-1.94e-05
75	24	0.01	0.09	-0.49	-9.19e-04	0.0	1.94e-05
75	25	0.01	-0.09	-0.49	9.19e-04	0.0	-1.94e-05
75	26	-0.01	0.09	-0.49	-9.19e-04	0.0	1.94e-05
75	27	-0.01	-0.09	-0.49	9.19e-04	0.0	-1.94e-05
75	28	0.01	0.10	-0.49	-9.22e-04	0.0	1.94e-05
75	29	0.01	-0.10	-0.49	9.22e-04	0.0	-1.94e-05
75	30	-0.01	0.10	-0.49	-9.22e-04	0.0	1.94e-05
75	31	-0.01	-0.10	-0.49	9.22e-04	0.0	-1.94e-05
75	32	0.01	0.10	-0.49	-9.22e-04	0.0	1.94e-05
75	33	0.01	-0.10	-0.49	9.22e-04	0.0	-1.94e-05
75	34	-0.01	0.10	-0.49	-9.22e-04	0.0	1.94e-05
75	35	-0.01	-0.10	-0.49	9.22e-04	0.0	-1.94e-05
75	36	0.04	0.03	-0.49	-2.95e-04	0.0	6.20e-06
75	37	0.04	-0.03	-0.49	2.95e-04	0.0	-6.20e-06
75	38	-0.04	0.03	-0.49	-2.95e-04	0.0	6.20e-06
75	39	-0.04	-0.03	-0.49	2.95e-04	0.0	-6.20e-06
75	40	0.04	0.03	-0.49	-2.97e-04	0.0	6.18e-06
75	41	0.04	-0.03	-0.49	2.97e-04	0.0	-6.18e-06
75	42	-0.04	0.03	-0.49	-2.97e-04	0.0	6.18e-06
75	43	-0.04	-0.03	-0.49	2.97e-04	0.0	-6.18e-06
75	44	0.04	0.03	-0.49	-2.95e-04	0.0	6.20e-06
75	45	0.04	-0.03	-0.49	2.95e-04	0.0	-6.20e-06
75	46	-0.04	0.03	-0.49	-2.95e-04	0.0	6.20e-06
75	47	-0.04	-0.03	-0.49	2.95e-04	0.0	-6.20e-06
75	48	0.04	0.03	-0.49	-2.97e-04	0.0	6.18e-06
75	49	0.04	-0.03	-0.49	2.97e-04	0.0	-6.18e-06

75	50	-0.04	0.03	-0.49	-2.97e-04	0.0	-6.18e-06
75	51	-0.04	-0.03	-0.49	2.97e-04	0.0	6.18e-06
75	52	0.01	0.10	-0.49	-9.84e-04	0.0	2.07e-05
75	53	0.01	-0.10	-0.49	9.84e-04	0.0	-2.07e-05
75	54	-0.01	0.10	-0.49	-9.84e-04	0.0	2.07e-05
75	55	-0.01	-0.10	-0.49	9.84e-04	0.0	-2.07e-05
75	56	0.01	0.10	-0.49	-9.84e-04	0.0	2.07e-05
75	57	0.01	-0.10	-0.49	9.84e-04	0.0	-2.07e-05
75	58	-0.01	0.10	-0.49	-9.84e-04	0.0	2.07e-05
75	59	-0.01	-0.10	-0.49	9.84e-04	0.0	-2.07e-05
75	60	0.01	0.10	-0.49	-9.89e-04	0.0	-2.06e-05
75	61	0.01	-0.10	-0.49	9.89e-04	0.0	2.06e-05
75	62	-0.01	0.10	-0.49	-9.89e-04	0.0	-2.06e-05
75	63	-0.01	-0.10	-0.49	9.89e-04	0.0	2.06e-05
75	64	0.01	0.10	-0.49	-9.89e-04	0.0	-2.06e-05
75	65	0.01	-0.10	-0.49	9.89e-04	0.0	2.06e-05
75	66	-0.01	0.10	-0.49	-9.89e-04	0.0	-2.06e-05
75	67	-0.01	-0.10	-0.49	9.89e-04	0.0	2.06e-05
75	68	-6.83e-06	0.04	-0.49	-4.34e-04	0.0	0.0
75	69	-6.83e-06	0.0	-0.49	0.0	0.0	0.0
75	70	-6.83e-06	0.0	-0.49	0.0	0.0	0.0
76	1	0.0	0.29	-0.64	-3.25e-03	0.0	0.0
76	2	0.0	0.29	-0.49	-3.25e-03	0.0	0.0
76	3	0.0	0.19	-0.49	-2.17e-03	0.0	0.0
76	4	0.04	0.03	-0.49	-2.76e-04	0.0	5.83e-06
76	5	0.04	-0.03	-0.49	2.76e-04	0.0	-5.83e-06
76	6	-0.04	0.03	-0.49	-2.76e-04	0.0	5.83e-06
76	7	-0.04	-0.03	-0.49	2.76e-04	0.0	-5.83e-06
76	8	0.04	0.03	-0.49	-2.76e-04	0.0	5.83e-06
76	9	0.04	-0.03	-0.49	2.76e-04	0.0	-5.83e-06
76	10	-0.04	0.03	-0.49	-2.76e-04	0.0	5.83e-06
76	11	-0.04	-0.03	-0.49	2.76e-04	0.0	-5.83e-06
76	12	0.04	0.03	-0.49	-2.76e-04	0.0	5.83e-06
76	13	0.04	-0.03	-0.49	2.76e-04	0.0	-5.83e-06
76	14	-0.04	0.03	-0.49	-2.76e-04	0.0	5.83e-06
76	15	-0.04	-0.03	-0.49	2.76e-04	0.0	-5.83e-06
76	16	0.04	0.03	-0.49	-2.76e-04	0.0	5.83e-06
76	17	0.04	-0.03	-0.49	2.76e-04	0.0	-5.83e-06
76	18	-0.04	0.03	-0.49	-2.76e-04	0.0	5.83e-06
76	19	-0.04	-0.03	-0.49	2.76e-04	0.0	-5.83e-06
76	20	0.01	0.10	-0.49	-9.20e-04	0.0	1.94e-05
76	21	0.01	-0.10	-0.49	9.20e-04	0.0	-1.94e-05
76	22	-0.01	0.10	-0.49	-9.20e-04	0.0	1.94e-05
76	23	-0.01	-0.10	-0.49	9.20e-04	0.0	-1.94e-05
76	24	0.01	0.10	-0.49	-9.20e-04	0.0	1.94e-05
76	25	0.01	-0.10	-0.49	9.20e-04	0.0	-1.94e-05
76	26	-0.01	0.10	-0.49	-9.20e-04	0.0	1.94e-05
76	27	-0.01	-0.10	-0.49	9.20e-04	0.0	-1.94e-05
76	28	0.01	0.10	-0.49	-9.20e-04	0.0	1.94e-05
76	29	0.01	-0.10	-0.49	9.20e-04	0.0	-1.94e-05
76	30	-0.01	0.10	-0.49	-9.20e-04	0.0	1.94e-05
76	31	-0.01	-0.10	-0.49	9.20e-04	0.0	-1.94e-05
76	32	0.01	0.10	-0.49	-9.20e-04	0.0	1.94e-05
76	33	0.01	-0.10	-0.49	9.20e-04	0.0	-1.94e-05
76	34	-0.01	0.10	-0.49	-9.20e-04	0.0	1.94e-05
76	35	-0.01	-0.10	-0.49	9.20e-04	0.0	-1.94e-05
76	36	0.04	0.03	-0.49	-2.96e-04	0.0	6.20e-06
76	37	0.04	-0.03	-0.49	2.96e-04	0.0	-6.20e-06
76	38	-0.04	0.03	-0.49	-2.96e-04	0.0	6.20e-06
76	39	-0.04	-0.03	-0.49	2.96e-04	0.0	-6.20e-06
76	40	0.04	0.03	-0.49	-2.96e-04	0.0	6.20e-06
76	41	0.04	-0.03	-0.49	2.96e-04	0.0	-6.20e-06
76	42	-0.04	0.03	-0.49	-2.96e-04	0.0	6.20e-06
76	43	-0.04	-0.03	-0.49	2.96e-04	0.0	-6.20e-06
76	44	0.04	0.03	-0.49	-2.96e-04	0.0	6.20e-06
76	45	0.04	-0.03	-0.49	2.96e-04	0.0	-6.20e-06
76	46	-0.04	0.03	-0.49	-2.96e-04	0.0	6.20e-06
76	47	-0.04	-0.03	-0.49	2.96e-04	0.0	-6.20e-06
76	48	0.04	0.03	-0.49	-2.96e-04	0.0	6.20e-06
76	49	0.04	-0.03	-0.49	2.96e-04	0.0	-6.20e-06
76	50	-0.04	0.03	-0.49	-2.96e-04	0.0	6.20e-06
76	51	-0.04	-0.03	-0.49	2.96e-04	0.0	-6.20e-06
76	52	0.01	0.10	-0.49	-9.87e-04	0.0	2.07e-05
76	53	0.01	-0.10	-0.49	9.87e-04	0.0	-2.07e-05
76	54	-0.01	0.10	-0.49	-9.87e-04	0.0	2.07e-05

76	55	-0.01	-0.10	-0.49	9.87e-04	0.0	-2.07e-05
76	56	0.01	0.10	-0.49	-9.87e-04	0.0	2.07e-05
76	57	0.01	-0.10	-0.49	9.87e-04	0.0	-2.07e-05
76	58	-0.01	0.10	-0.49	-9.87e-04	0.0	2.07e-05
76	59	-0.01	-0.10	-0.49	9.87e-04	0.0	-2.07e-05
76	60	0.01	0.10	-0.49	-9.87e-04	0.0	-2.07e-05
76	61	0.01	-0.10	-0.49	9.87e-04	0.0	2.07e-05
76	62	-0.01	0.10	-0.49	-9.87e-04	0.0	-2.07e-05
76	63	-0.01	-0.10	-0.49	9.87e-04	0.0	2.07e-05
76	64	0.01	0.10	-0.49	-9.87e-04	0.0	-2.07e-05
76	65	0.01	-0.10	-0.49	9.87e-04	0.0	2.07e-05
76	66	-0.01	0.10	-0.49	-9.87e-04	0.0	-2.07e-05
76	67	-0.01	-0.10	-0.49	9.87e-04	0.0	2.07e-05
76	68	0.0	0.04	-0.49	-4.34e-04	0.0	0.0
76	69	0.0	0.0	-0.49	0.0	0.0	0.0
76	70	0.0	0.0	-0.49	0.0	0.0	0.0
77	1	8.87e-06	0.29	-0.64	-3.26e-03	0.0	0.0
77	2	6.83e-06	0.29	-0.49	-3.26e-03	0.0	0.0
77	3	6.83e-06	0.19	-0.49	-2.17e-03	0.0	0.0
77	4	0.04	0.03	-0.49	-2.77e-04	0.0	5.82e-06
77	5	0.04	-0.03	-0.49	2.77e-04	0.0	-5.82e-06
77	6	-0.04	0.03	-0.49	-2.77e-04	0.0	5.82e-06
77	7	-0.04	-0.03	-0.49	2.77e-04	0.0	-5.82e-06
77	8	0.04	0.03	-0.49	-2.76e-04	0.0	-5.82e-06
77	9	0.04	-0.03	-0.49	2.76e-04	0.0	5.82e-06
77	10	-0.04	0.03	-0.49	-2.76e-04	0.0	-5.82e-06
77	11	-0.04	-0.03	-0.49	2.76e-04	0.0	5.82e-06
77	12	0.04	0.03	-0.49	-2.77e-04	0.0	5.82e-06
77	13	0.04	-0.03	-0.49	2.77e-04	0.0	-5.82e-06
77	14	-0.04	0.03	-0.49	-2.77e-04	0.0	5.82e-06
77	15	-0.04	-0.03	-0.49	2.77e-04	0.0	-5.82e-06
77	16	0.04	0.03	-0.49	-2.76e-04	0.0	-5.82e-06
77	17	0.04	-0.03	-0.49	2.76e-04	0.0	5.82e-06
77	18	-0.04	0.03	-0.49	-2.76e-04	0.0	-5.82e-06
77	19	-0.04	-0.03	-0.49	2.76e-04	0.0	5.82e-06
77	20	0.01	0.10	-0.49	-9.22e-04	0.0	1.94e-05
77	21	0.01	-0.10	-0.49	9.22e-04	0.0	-1.94e-05
77	22	-0.01	0.10	-0.49	-9.22e-04	0.0	1.94e-05
77	23	-0.01	-0.10	-0.49	9.22e-04	0.0	-1.94e-05
77	24	0.01	0.10	-0.49	-9.22e-04	0.0	1.94e-05
77	25	0.01	-0.10	-0.49	9.22e-04	0.0	-1.94e-05
77	26	-0.01	0.10	-0.49	-9.22e-04	0.0	1.94e-05
77	27	-0.01	-0.10	-0.49	9.22e-04	0.0	-1.94e-05
77	28	0.01	0.09	-0.49	-9.19e-04	0.0	-1.94e-05
77	29	0.01	-0.09	-0.49	9.19e-04	0.0	1.94e-05
77	30	-0.01	0.09	-0.49	-9.19e-04	0.0	-1.94e-05
77	31	-0.01	-0.09	-0.49	9.19e-04	0.0	1.94e-05
77	32	0.01	0.09	-0.49	-9.19e-04	0.0	-1.94e-05
77	33	0.01	-0.09	-0.49	9.19e-04	0.0	1.94e-05
77	34	-0.01	0.09	-0.49	-9.19e-04	0.0	-1.94e-05
77	35	-0.01	-0.09	-0.49	9.19e-04	0.0	1.94e-05
77	36	0.04	0.03	-0.49	-2.97e-04	0.0	6.18e-06
77	37	0.04	-0.03	-0.49	2.97e-04	0.0	-6.18e-06
77	38	-0.04	0.03	-0.49	-2.97e-04	0.0	6.18e-06
77	39	-0.04	-0.03	-0.49	2.97e-04	0.0	-6.18e-06
77	40	0.04	0.03	-0.49	-2.95e-04	0.0	-6.20e-06
77	41	0.04	-0.03	-0.49	2.95e-04	0.0	6.20e-06
77	42	-0.04	0.03	-0.49	-2.95e-04	0.0	-6.20e-06
77	43	-0.04	-0.03	-0.49	2.95e-04	0.0	6.20e-06
77	44	0.04	0.03	-0.49	-2.97e-04	0.0	6.18e-06
77	45	0.04	-0.03	-0.49	2.97e-04	0.0	-6.18e-06
77	46	-0.04	0.03	-0.49	-2.97e-04	0.0	6.18e-06
77	47	-0.04	-0.03	-0.49	2.97e-04	0.0	-6.18e-06
77	48	0.04	0.03	-0.49	-2.95e-04	0.0	-6.20e-06
77	49	0.04	-0.03	-0.49	2.95e-04	0.0	6.20e-06
77	50	-0.04	0.03	-0.49	-2.95e-04	0.0	-6.20e-06
77	51	-0.04	-0.03	-0.49	2.95e-04	0.0	6.20e-06
77	52	0.01	0.10	-0.49	-9.89e-04	0.0	2.06e-05
77	53	0.01	-0.10	-0.49	9.89e-04	0.0	-2.06e-05
77	54	-0.01	0.10	-0.49	-9.89e-04	0.0	2.06e-05
77	55	-0.01	-0.10	-0.49	9.89e-04	0.0	-2.06e-05
77	56	0.01	0.10	-0.49	-9.89e-04	0.0	2.06e-05
77	57	0.01	-0.10	-0.49	9.89e-04	0.0	-2.06e-05
77	58	-0.01	0.10	-0.49	-9.89e-04	0.0	2.06e-05
77	59	-0.01	-0.10	-0.49	9.89e-04	0.0	-2.06e-05

77	60	0.01	0.10	-0.49	-9.84e-04	0.0	-2.07e-05
77	61	0.01	-0.10	-0.49	9.84e-04	0.0	2.07e-05
77	62	-0.01	0.10	-0.49	-9.84e-04	0.0	-2.07e-05
77	63	-0.01	-0.10	-0.49	9.84e-04	0.0	2.07e-05
77	64	0.01	0.10	-0.49	-9.84e-04	0.0	-2.07e-05
77	65	0.01	-0.10	-0.49	9.84e-04	0.0	2.07e-05
77	66	-0.01	0.10	-0.49	-9.84e-04	0.0	-2.07e-05
77	67	-0.01	-0.10	-0.49	9.84e-04	0.0	2.07e-05
77	68	6.83e-06	0.04	-0.49	-4.34e-04	0.0	0.0
77	69	6.83e-06	0.0	-0.49	0.0	0.0	0.0
77	70	6.83e-06	0.0	-0.49	0.0	0.0	0.0
78	1	1.76e-05	0.29	-0.64	-3.26e-03	0.0	0.0
78	2	1.35e-05	0.29	-0.49	-3.26e-03	0.0	0.0
78	3	1.35e-05	0.19	-0.49	-2.17e-03	0.0	0.0
78	4	0.04	0.03	-0.50	-2.77e-04	0.0	5.83e-06
78	5	0.04	-0.03	-0.50	2.77e-04	0.0	-5.83e-06
78	6	-0.04	0.03	-0.49	-2.77e-04	0.0	5.83e-06
78	7	-0.04	-0.03	-0.49	2.77e-04	0.0	-5.83e-06
78	8	0.04	0.03	-0.50	-2.75e-04	0.0	-5.79e-06
78	9	0.04	-0.03	-0.50	2.75e-04	0.0	5.79e-06
78	10	-0.04	0.03	-0.49	-2.75e-04	0.0	-5.79e-06
78	11	-0.04	-0.03	-0.49	2.75e-04	0.0	5.79e-06
78	12	0.04	0.03	-0.50	-2.77e-04	0.0	5.83e-06
78	13	0.04	-0.03	-0.50	2.77e-04	0.0	-5.83e-06
78	14	-0.04	0.03	-0.49	-2.77e-04	0.0	5.83e-06
78	15	-0.04	-0.03	-0.49	2.77e-04	0.0	-5.83e-06
78	16	0.04	0.03	-0.50	-2.75e-04	0.0	-5.79e-06
78	17	0.04	-0.03	-0.50	2.75e-04	0.0	5.79e-06
78	18	-0.04	0.03	-0.49	-2.75e-04	0.0	-5.79e-06
78	19	-0.04	-0.03	-0.49	2.75e-04	0.0	5.79e-06
78	20	0.01	0.10	-0.49	-9.24e-04	0.0	1.94e-05
78	21	0.01	-0.10	-0.49	9.24e-04	0.0	-1.94e-05
78	22	-0.01	0.10	-0.49	-9.24e-04	0.0	1.94e-05
78	23	-0.01	-0.10	-0.49	9.24e-04	0.0	-1.94e-05
78	24	0.01	0.10	-0.49	-9.24e-04	0.0	1.94e-05
78	25	0.01	-0.10	-0.49	9.24e-04	0.0	-1.94e-05
78	26	-0.01	0.10	-0.49	-9.24e-04	0.0	1.94e-05
78	27	-0.01	-0.10	-0.49	9.24e-04	0.0	-1.94e-05
78	28	0.01	0.09	-0.49	-9.17e-04	0.0	-1.93e-05
78	29	0.01	-0.09	-0.49	9.17e-04	0.0	1.93e-05
78	30	-0.01	0.09	-0.49	-9.17e-04	0.0	-1.93e-05
78	31	-0.01	-0.09	-0.49	9.17e-04	0.0	1.93e-05
78	32	0.01	0.09	-0.49	-9.17e-04	0.0	-1.93e-05
78	33	0.01	-0.09	-0.49	9.17e-04	0.0	1.93e-05
78	34	-0.01	0.09	-0.49	-9.17e-04	0.0	-1.93e-05
78	35	-0.01	-0.09	-0.49	9.17e-04	0.0	1.93e-05
78	36	0.04	0.03	-0.50	-2.97e-04	0.0	6.19e-06
78	37	0.04	-0.03	-0.50	2.97e-04	0.0	-6.19e-06
78	38	-0.04	0.03	-0.49	-2.97e-04	0.0	6.19e-06
78	39	-0.04	-0.03	-0.49	2.97e-04	0.0	-6.19e-06
78	40	0.04	0.03	-0.50	-2.95e-04	0.0	-6.16e-06
78	41	0.04	-0.03	-0.50	2.95e-04	0.0	6.16e-06
78	42	-0.04	0.03	-0.49	-2.95e-04	0.0	-6.16e-06
78	43	-0.04	-0.03	-0.49	2.95e-04	0.0	6.16e-06
78	44	0.04	0.03	-0.50	-2.97e-04	0.0	6.19e-06
78	45	0.04	-0.03	-0.50	2.97e-04	0.0	-6.19e-06
78	46	-0.04	0.03	-0.49	-2.97e-04	0.0	6.19e-06
78	47	-0.04	-0.03	-0.49	2.97e-04	0.0	-6.19e-06
78	48	0.04	0.03	-0.50	-2.95e-04	0.0	-6.16e-06
78	49	0.04	-0.03	-0.50	2.95e-04	0.0	6.16e-06
78	50	-0.04	0.03	-0.49	-2.95e-04	0.0	-6.16e-06
78	51	-0.04	-0.03	-0.49	2.95e-04	0.0	6.16e-06
78	52	0.01	0.11	-0.49	-9.91e-04	0.0	2.06e-05
78	53	0.01	-0.11	-0.49	9.91e-04	0.0	-2.06e-05
78	54	-0.01	0.11	-0.49	-9.91e-04	0.0	2.06e-05
78	55	-0.01	-0.11	-0.49	9.91e-04	0.0	-2.06e-05
78	56	0.01	0.11	-0.49	-9.91e-04	0.0	2.06e-05
78	57	0.01	-0.11	-0.49	9.91e-04	0.0	-2.06e-05
78	58	-0.01	0.11	-0.49	-9.91e-04	0.0	2.06e-05
78	59	-0.01	-0.11	-0.49	9.91e-04	0.0	-2.06e-05
78	60	0.01	0.10	-0.49	-9.82e-04	0.0	-2.05e-05
78	61	0.01	-0.10	-0.49	9.82e-04	0.0	2.05e-05
78	62	-0.01	0.10	-0.49	-9.82e-04	0.0	-2.05e-05
78	63	-0.01	-0.10	-0.49	9.82e-04	0.0	2.05e-05
78	64	0.01	0.10	-0.49	-9.82e-04	0.0	-2.05e-05

78	65	0.01	-0.10	-0.49	9.82e-04	0.0	2.05e-05
78	66	-0.01	0.10	-0.49	-9.82e-04	0.0	-2.05e-05
78	67	-0.01	-0.10	-0.49	9.82e-04	0.0	2.05e-05
78	68	1.35e-05	0.04	-0.49	-4.34e-04	0.0	0.0
78	69	1.35e-05	0.0	-0.49	0.0	0.0	0.0
78	70	1.35e-05	0.0	-0.49	0.0	0.0	0.0
79	1	2.63e-05	0.29	-0.64	-3.25e-03	0.0	0.0
79	2	2.02e-05	0.29	-0.49	-3.25e-03	0.0	0.0
79	3	2.02e-05	0.19	-0.49	-2.17e-03	0.0	0.0
79	4	0.04	0.03	-0.50	-2.78e-04	0.0	5.83e-06
79	5	0.04	-0.03	-0.50	2.78e-04	0.0	-5.83e-06
79	6	-0.04	0.03	-0.49	-2.78e-04	0.0	5.83e-06
79	7	-0.04	-0.03	-0.49	2.78e-04	0.0	-5.83e-06
79	8	0.04	0.03	-0.50	-2.74e-04	0.0	-5.75e-06
79	9	0.04	-0.03	-0.50	2.74e-04	0.0	5.75e-06
79	10	-0.04	0.03	-0.49	-2.74e-04	0.0	-5.75e-06
79	11	-0.04	-0.03	-0.49	2.74e-04	0.0	5.75e-06
79	12	0.04	0.03	-0.50	-2.78e-04	0.0	5.83e-06
79	13	0.04	-0.03	-0.50	2.78e-04	0.0	-5.83e-06
79	14	-0.04	0.03	-0.49	-2.78e-04	0.0	5.83e-06
79	15	-0.04	-0.03	-0.49	2.78e-04	0.0	-5.83e-06
79	16	0.04	0.03	-0.50	-2.74e-04	0.0	-5.75e-06
79	17	0.04	-0.03	-0.50	2.74e-04	0.0	5.75e-06
79	18	-0.04	0.03	-0.49	-2.74e-04	0.0	-5.75e-06
79	19	-0.04	-0.03	-0.49	2.74e-04	0.0	5.75e-06
79	20	0.01	0.10	-0.49	-9.26e-04	0.0	1.94e-05
79	21	0.01	-0.10	-0.49	9.26e-04	0.0	-1.94e-05
79	22	-0.01	0.10	-0.49	-9.26e-04	0.0	1.94e-05
79	23	-0.01	-0.10	-0.49	9.26e-04	0.0	-1.94e-05
79	24	0.01	0.10	-0.49	-9.26e-04	0.0	1.94e-05
79	25	0.01	-0.10	-0.49	9.26e-04	0.0	-1.94e-05
79	26	-0.01	0.10	-0.49	-9.26e-04	0.0	1.94e-05
79	27	-0.01	-0.10	-0.49	9.26e-04	0.0	-1.94e-05
79	28	0.01	0.09	-0.49	-9.15e-04	0.0	-1.92e-05
79	29	0.01	-0.09	-0.49	9.15e-04	0.0	1.92e-05
79	30	-0.01	0.09	-0.49	-9.15e-04	0.0	-1.92e-05
79	31	-0.01	-0.09	-0.49	9.15e-04	0.0	1.92e-05
79	32	0.01	0.09	-0.49	-9.15e-04	0.0	-1.92e-05
79	33	0.01	-0.09	-0.49	9.15e-04	0.0	1.92e-05
79	34	-0.01	0.09	-0.49	-9.15e-04	0.0	-1.92e-05
79	35	-0.01	-0.09	-0.49	9.15e-04	0.0	1.92e-05
79	36	0.04	0.03	-0.50	-2.98e-04	0.0	6.19e-06
79	37	0.04	-0.03	-0.50	2.98e-04	0.0	-6.19e-06
79	38	-0.04	0.03	-0.49	-2.98e-04	0.0	6.19e-06
79	39	-0.04	-0.03	-0.49	2.98e-04	0.0	-6.19e-06
79	40	0.04	0.03	-0.50	-2.94e-04	0.0	6.12e-06
79	41	0.04	-0.03	-0.50	2.94e-04	0.0	-6.12e-06
79	42	-0.04	0.03	-0.49	-2.94e-04	0.0	6.12e-06
79	43	-0.04	-0.03	-0.49	2.94e-04	0.0	-6.12e-06
79	44	0.04	0.03	-0.50	-2.98e-04	0.0	6.19e-06
79	45	0.04	-0.03	-0.50	2.98e-04	0.0	-6.19e-06
79	46	-0.04	0.03	-0.49	-2.98e-04	0.0	6.19e-06
79	47	-0.04	-0.03	-0.49	2.98e-04	0.0	-6.19e-06
79	48	0.04	0.03	-0.50	-2.94e-04	0.0	6.12e-06
79	49	0.04	-0.03	-0.50	2.94e-04	0.0	-6.12e-06
79	50	-0.04	0.03	-0.49	-2.94e-04	0.0	6.12e-06
79	51	-0.04	-0.03	-0.49	2.94e-04	0.0	-6.12e-06
79	52	0.01	0.11	-0.49	-9.93e-04	0.0	2.06e-05
79	53	0.01	-0.11	-0.49	9.93e-04	0.0	-2.06e-05
79	54	-0.01	0.11	-0.49	-9.93e-04	0.0	2.06e-05
79	55	-0.01	-0.11	-0.49	9.93e-04	0.0	-2.06e-05
79	56	0.01	0.11	-0.49	-9.93e-04	0.0	2.06e-05
79	57	0.01	-0.11	-0.49	9.93e-04	0.0	-2.06e-05
79	58	-0.01	0.11	-0.49	-9.93e-04	0.0	2.06e-05
79	59	-0.01	-0.11	-0.49	9.93e-04	0.0	-2.06e-05
79	60	0.01	0.10	-0.49	-9.81e-04	0.0	-2.04e-05
79	61	0.01	-0.10	-0.49	9.81e-04	0.0	2.04e-05
79	62	-0.01	0.10	-0.49	-9.81e-04	0.0	-2.04e-05
79	63	-0.01	-0.10	-0.49	9.81e-04	0.0	2.04e-05
79	64	0.01	0.10	-0.49	-9.81e-04	0.0	-2.04e-05
79	65	0.01	-0.10	-0.49	9.81e-04	0.0	2.04e-05
79	66	-0.01	0.10	-0.49	-9.81e-04	0.0	-2.04e-05
79	67	-0.01	-0.10	-0.49	9.81e-04	0.0	2.04e-05
79	68	2.02e-05	0.04	-0.49	-4.34e-04	0.0	0.0
79	69	2.02e-05	0.0	-0.49	0.0	0.0	0.0

79	70	2.02e-05	0.0	-0.49	0.0	0.0	0.0
80	1	3.52e-05	0.29	-0.64	-3.25e-03	0.0	0.0
80	2	2.71e-05	0.29	-0.49	-3.25e-03	0.0	0.0
80	3	2.71e-05	0.19	-0.49	-2.17e-03	0.0	0.0
80	4	0.04	0.03	-0.50	-2.78e-04	0.0	5.79e-06
80	5	0.04	-0.03	-0.50	2.78e-04	0.0	-5.79e-06
80	6	-0.04	0.03	-0.48	-2.78e-04	0.0	5.79e-06
80	7	-0.04	-0.03	-0.48	2.78e-04	0.0	-5.79e-06
80	8	0.04	0.03	-0.50	-2.74e-04	0.0	-5.72e-06
80	9	0.04	-0.03	-0.50	2.74e-04	0.0	5.72e-06
80	10	-0.04	0.03	-0.48	-2.74e-04	0.0	-5.72e-06
80	11	-0.04	-0.03	-0.48	2.74e-04	0.0	5.72e-06
80	12	0.04	0.03	-0.50	-2.78e-04	0.0	5.79e-06
80	13	0.04	-0.03	-0.50	2.78e-04	0.0	-5.79e-06
80	14	-0.04	0.03	-0.48	-2.78e-04	0.0	5.79e-06
80	15	-0.04	-0.03	-0.48	2.78e-04	0.0	-5.79e-06
80	16	0.04	0.03	-0.50	-2.74e-04	0.0	-5.72e-06
80	17	0.04	-0.03	-0.50	2.74e-04	0.0	5.72e-06
80	18	-0.04	0.03	-0.48	-2.74e-04	0.0	-5.72e-06
80	19	-0.04	-0.03	-0.48	2.74e-04	0.0	5.72e-06
80	20	0.01	0.10	-0.49	-9.28e-04	0.0	1.93e-05
80	21	0.01	-0.10	-0.49	9.28e-04	0.0	-1.93e-05
80	22	-0.01	0.10	-0.49	-9.28e-04	0.0	1.93e-05
80	23	-0.01	-0.10	-0.49	9.28e-04	0.0	-1.93e-05
80	24	0.01	0.10	-0.49	-9.28e-04	0.0	1.93e-05
80	25	0.01	-0.10	-0.49	9.28e-04	0.0	-1.93e-05
80	26	-0.01	0.10	-0.49	-9.28e-04	0.0	1.93e-05
80	27	-0.01	-0.10	-0.49	9.28e-04	0.0	-1.93e-05
80	28	0.01	0.09	-0.49	-9.13e-04	0.0	1.91e-05
80	29	0.01	-0.09	-0.49	9.13e-04	0.0	-1.91e-05
80	30	-0.01	0.09	-0.49	-9.13e-04	0.0	1.91e-05
80	31	-0.01	-0.09	-0.49	9.13e-04	0.0	-1.91e-05
80	32	0.01	0.09	-0.49	-9.13e-04	0.0	1.91e-05
80	33	0.01	-0.09	-0.49	9.13e-04	0.0	-1.91e-05
80	34	-0.01	0.09	-0.49	-9.13e-04	0.0	1.91e-05
80	35	-0.01	-0.09	-0.49	9.13e-04	0.0	-1.91e-05
80	36	0.04	0.03	-0.50	-2.98e-04	0.0	6.15e-06
80	37	0.04	-0.03	-0.50	2.98e-04	0.0	-6.15e-06
80	38	-0.04	0.03	-0.48	-2.98e-04	0.0	6.15e-06
80	39	-0.04	-0.03	-0.48	2.98e-04	0.0	-6.15e-06
80	40	0.04	0.03	-0.50	-2.94e-04	0.0	-6.09e-06
80	41	0.04	-0.03	-0.50	2.94e-04	0.0	6.09e-06
80	42	-0.04	0.03	-0.48	-2.94e-04	0.0	-6.09e-06
80	43	-0.04	-0.03	-0.48	2.94e-04	0.0	6.09e-06
80	44	0.04	0.03	-0.50	-2.98e-04	0.0	6.15e-06
80	45	0.04	-0.03	-0.50	2.98e-04	0.0	-6.15e-06
80	46	-0.04	0.03	-0.48	-2.98e-04	0.0	6.15e-06
80	47	-0.04	-0.03	-0.48	2.98e-04	0.0	-6.15e-06
80	48	0.04	0.03	-0.50	-2.94e-04	0.0	-6.09e-06
80	49	0.04	-0.03	-0.50	2.94e-04	0.0	6.09e-06
80	50	-0.04	0.03	-0.48	-2.94e-04	0.0	-6.09e-06
80	51	-0.04	-0.03	-0.48	2.94e-04	0.0	6.09e-06
80	52	0.01	0.11	-0.49	-9.95e-04	0.0	2.05e-05
80	53	0.01	-0.11	-0.49	9.95e-04	0.0	-2.05e-05
80	54	-0.01	0.11	-0.49	-9.95e-04	0.0	2.05e-05
80	55	-0.01	-0.11	-0.49	9.95e-04	0.0	-2.05e-05
80	56	0.01	0.11	-0.49	-9.95e-04	0.0	2.05e-05
80	57	0.01	-0.11	-0.49	9.95e-04	0.0	-2.05e-05
80	58	-0.01	0.11	-0.49	-9.95e-04	0.0	2.05e-05
80	59	-0.01	-0.11	-0.49	9.95e-04	0.0	-2.05e-05
80	60	0.01	0.10	-0.49	-9.79e-04	0.0	-2.03e-05
80	61	0.01	-0.10	-0.49	9.79e-04	0.0	2.03e-05
80	62	-0.01	0.10	-0.49	-9.79e-04	0.0	-2.03e-05
80	63	-0.01	-0.10	-0.49	9.79e-04	0.0	2.03e-05
80	64	0.01	0.10	-0.49	-9.79e-04	0.0	-2.03e-05
80	65	0.01	-0.10	-0.49	9.79e-04	0.0	2.03e-05
80	66	-0.01	0.10	-0.49	-9.79e-04	0.0	-2.03e-05
80	67	-0.01	-0.10	-0.49	9.79e-04	0.0	2.03e-05
80	68	2.71e-05	0.04	-0.49	-4.34e-04	0.0	0.0
80	69	2.71e-05	0.0	-0.49	0.0	0.0	0.0
80	70	2.71e-05	0.0	-0.49	0.0	0.0	0.0
81	1	4.42e-05	0.29	-0.64	-3.25e-03	0.0	0.0
81	2	3.40e-05	0.29	-0.49	-3.25e-03	0.0	0.0
81	3	3.40e-05	0.19	-0.49	-2.17e-03	0.0	0.0
81	4	0.04	0.03	-0.50	-2.79e-04	0.0	5.75e-06



81	5	0.04	-0.03	-0.50	2.79e-04	0.0	-5.75e-06
81	6	-0.04	0.03	-0.48	-2.79e-04	0.0	5.75e-06
81	7	-0.04	-0.03	-0.48	2.79e-04	0.0	-5.75e-06
81	8	0.04	0.03	-0.50	-2.74e-04	0.0	-5.69e-06
81	9	0.04	-0.03	-0.50	2.74e-04	0.0	5.69e-06
81	10	-0.04	0.03	-0.48	-2.74e-04	0.0	-5.69e-06
81	11	-0.04	-0.03	-0.48	2.74e-04	0.0	5.69e-06
81	12	0.04	0.03	-0.50	-2.79e-04	0.0	-5.75e-06
81	13	0.04	-0.03	-0.50	2.79e-04	0.0	5.75e-06
81	14	-0.04	0.03	-0.48	-2.79e-04	0.0	-5.75e-06
81	15	-0.04	-0.03	-0.48	2.79e-04	0.0	5.75e-06
81	16	0.04	0.03	-0.50	-2.74e-04	0.0	-5.69e-06
81	17	0.04	-0.03	-0.50	2.74e-04	0.0	5.69e-06
81	18	-0.04	0.03	-0.48	-2.74e-04	0.0	-5.69e-06
81	19	-0.04	-0.03	-0.48	2.74e-04	0.0	5.69e-06
81	20	0.01	0.10	-0.50	-9.30e-04	0.0	1.92e-05
81	21	0.01	-0.10	-0.50	9.30e-04	0.0	-1.92e-05
81	22	-0.01	0.10	-0.49	-9.30e-04	0.0	1.92e-05
81	23	-0.01	-0.10	-0.49	9.30e-04	0.0	-1.92e-05
81	24	0.01	0.10	-0.50	-9.30e-04	0.0	1.92e-05
81	25	0.01	-0.10	-0.50	9.30e-04	0.0	-1.92e-05
81	26	-0.01	0.10	-0.49	-9.30e-04	0.0	1.92e-05
81	27	-0.01	-0.10	-0.49	9.30e-04	0.0	-1.92e-05
81	28	0.01	0.09	-0.50	-9.12e-04	0.0	1.90e-05
81	29	0.01	-0.09	-0.50	9.12e-04	0.0	-1.90e-05
81	30	-0.01	0.09	-0.49	-9.12e-04	0.0	1.90e-05
81	31	-0.01	-0.09	-0.49	9.12e-04	0.0	-1.90e-05
81	32	0.01	0.09	-0.50	-9.12e-04	0.0	1.90e-05
81	33	0.01	-0.09	-0.50	9.12e-04	0.0	-1.90e-05
81	34	-0.01	0.09	-0.49	-9.12e-04	0.0	1.90e-05
81	35	-0.01	-0.09	-0.49	9.12e-04	0.0	-1.90e-05
81	36	0.04	0.03	-0.50	-2.99e-04	0.0	6.10e-06
81	37	0.04	-0.03	-0.50	2.99e-04	0.0	-6.10e-06
81	38	-0.04	0.03	-0.48	-2.99e-04	0.0	6.10e-06
81	39	-0.04	-0.03	-0.48	2.99e-04	0.0	-6.10e-06
81	40	0.04	0.03	-0.50	-2.93e-04	0.0	6.06e-06
81	41	0.04	-0.03	-0.50	2.93e-04	0.0	-6.06e-06
81	42	-0.04	0.03	-0.48	-2.93e-04	0.0	6.06e-06
81	43	-0.04	-0.03	-0.48	2.93e-04	0.0	-6.06e-06
81	44	0.04	0.03	-0.50	-2.99e-04	0.0	6.10e-06
81	45	0.04	-0.03	-0.50	2.99e-04	0.0	-6.10e-06
81	46	-0.04	0.03	-0.48	-2.99e-04	0.0	6.10e-06
81	47	-0.04	-0.03	-0.48	2.99e-04	0.0	-6.10e-06
81	48	0.04	0.03	-0.50	-2.93e-04	0.0	6.06e-06
81	49	0.04	-0.03	-0.50	2.93e-04	0.0	-6.06e-06
81	50	-0.04	0.03	-0.48	-2.93e-04	0.0	6.06e-06
81	51	-0.04	-0.03	-0.48	2.93e-04	0.0	-6.06e-06
81	52	0.01	0.11	-0.49	-9.96e-04	0.0	2.03e-05
81	53	0.01	-0.11	-0.49	9.96e-04	0.0	-2.03e-05
81	54	-0.01	0.11	-0.49	-9.96e-04	0.0	2.03e-05
81	55	-0.01	-0.11	-0.49	9.96e-04	0.0	-2.03e-05
81	56	0.01	0.11	-0.49	-9.96e-04	0.0	2.03e-05
81	57	0.01	-0.11	-0.49	9.96e-04	0.0	-2.03e-05
81	58	-0.01	0.11	-0.49	-9.96e-04	0.0	2.03e-05
81	59	-0.01	-0.11	-0.49	9.96e-04	0.0	-2.03e-05
81	60	0.01	0.09	-0.49	-9.77e-04	0.0	2.02e-05
81	61	0.01	-0.09	-0.49	9.77e-04	0.0	-2.02e-05
81	62	-0.01	0.09	-0.49	-9.77e-04	0.0	2.02e-05
81	63	-0.01	-0.09	-0.49	9.77e-04	0.0	-2.02e-05
81	64	0.01	0.09	-0.49	-9.77e-04	0.0	2.02e-05
81	65	0.01	-0.09	-0.49	9.77e-04	0.0	-2.02e-05
81	66	-0.01	0.09	-0.49	-9.77e-04	0.0	2.02e-05
81	67	-0.01	-0.09	-0.49	9.77e-04	0.0	-2.02e-05
81	68	3.40e-05	0.04	-0.49	-4.34e-04	0.0	0.0
81	69	3.40e-05	0.0	-0.49	0.0	0.0	0.0
81	70	3.40e-05	0.0	-0.49	0.0	0.0	0.0
82	1	5.31e-05	0.29	-0.64	-3.26e-03	0.0	0.0
82	2	4.09e-05	0.29	-0.49	-3.26e-03	0.0	0.0
82	3	4.09e-05	0.19	-0.49	-2.17e-03	0.0	0.0
82	4	0.04	0.03	-0.50	-2.79e-04	0.0	5.72e-06
82	5	0.04	-0.03	-0.50	2.79e-04	0.0	-5.72e-06
82	6	-0.04	0.03	-0.48	-2.79e-04	0.0	5.72e-06
82	7	-0.04	-0.03	-0.48	2.79e-04	0.0	-5.72e-06
82	8	0.04	0.03	-0.50	-2.73e-04	0.0	-5.63e-06
82	9	0.04	-0.03	-0.50	2.73e-04	0.0	5.63e-06

82	10	-0.04	0.03	-0.48	-2.73e-04	0.0	-5.63e-06
82	11	-0.04	-0.03	-0.48	2.73e-04	0.0	5.63e-06
82	12	0.04	0.03	-0.50	-2.79e-04	0.0	5.72e-06
82	13	0.04	-0.03	-0.50	2.79e-04	0.0	-5.72e-06
82	14	-0.04	0.03	-0.48	-2.79e-04	0.0	5.72e-06
82	15	-0.04	-0.03	-0.48	2.79e-04	0.0	-5.72e-06
82	16	0.04	0.03	-0.50	-2.73e-04	0.0	-5.63e-06
82	17	0.04	-0.03	-0.50	2.73e-04	0.0	5.63e-06
82	18	-0.04	0.03	-0.48	-2.73e-04	0.0	-5.63e-06
82	19	-0.04	-0.03	-0.48	2.73e-04	0.0	5.63e-06
82	20	0.01	0.10	-0.50	-9.31e-04	0.0	1.91e-05
82	21	0.01	-0.10	-0.50	9.31e-04	0.0	-1.91e-05
82	22	-0.01	0.10	-0.49	-9.31e-04	0.0	1.91e-05
82	23	-0.01	-0.10	-0.49	9.31e-04	0.0	-1.91e-05
82	24	0.01	0.10	-0.50	-9.31e-04	0.0	1.91e-05
82	25	0.01	-0.10	-0.50	9.31e-04	0.0	-1.91e-05
82	26	-0.01	0.10	-0.49	-9.31e-04	0.0	1.91e-05
82	27	-0.01	-0.10	-0.49	9.31e-04	0.0	-1.91e-05
82	28	0.01	0.09	-0.50	-9.10e-04	0.0	-1.88e-05
82	29	0.01	-0.09	-0.50	9.10e-04	0.0	1.88e-05
82	30	-0.01	0.09	-0.49	-9.10e-04	0.0	-1.88e-05
82	31	-0.01	-0.09	-0.49	9.10e-04	0.0	1.88e-05
82	32	0.01	0.09	-0.50	-9.10e-04	0.0	-1.88e-05
82	33	0.01	-0.09	-0.50	9.10e-04	0.0	1.88e-05
82	34	-0.01	0.09	-0.49	-9.10e-04	0.0	-1.88e-05
82	35	-0.01	-0.09	-0.49	9.10e-04	0.0	1.88e-05
82	36	0.04	0.03	-0.50	-2.99e-04	0.0	6.07e-06
82	37	0.04	-0.03	-0.50	2.99e-04	0.0	-6.07e-06
82	38	-0.04	0.03	-0.48	-2.99e-04	0.0	6.07e-06
82	39	-0.04	-0.03	-0.48	2.99e-04	0.0	-6.07e-06
82	40	0.04	0.03	-0.50	-2.93e-04	0.0	-5.99e-06
82	41	0.04	-0.03	-0.50	2.93e-04	0.0	5.99e-06
82	42	-0.04	0.03	-0.48	-2.93e-04	0.0	-5.99e-06
82	43	-0.04	-0.03	-0.48	2.93e-04	0.0	5.99e-06
82	44	0.04	0.03	-0.50	-2.99e-04	0.0	6.07e-06
82	45	0.04	-0.03	-0.50	2.99e-04	0.0	-6.07e-06
82	46	-0.04	0.03	-0.48	-2.99e-04	0.0	6.07e-06
82	47	-0.04	-0.03	-0.48	2.99e-04	0.0	-6.07e-06
82	48	0.04	0.03	-0.50	-2.93e-04	0.0	-5.99e-06
82	49	0.04	-0.03	-0.50	2.93e-04	0.0	5.99e-06
82	50	-0.04	0.03	-0.48	-2.93e-04	0.0	-5.99e-06
82	51	-0.04	-0.03	-0.48	2.93e-04	0.0	5.99e-06
82	52	0.01	0.11	-0.50	-9.98e-04	0.0	2.02e-05
82	53	0.01	-0.11	-0.50	9.98e-04	0.0	-2.02e-05
82	54	-0.01	0.11	-0.49	-9.98e-04	0.0	2.02e-05
82	55	-0.01	-0.11	-0.49	9.98e-04	0.0	-2.02e-05
82	56	0.01	0.11	-0.50	-9.98e-04	0.0	2.02e-05
82	57	0.01	-0.11	-0.50	9.98e-04	0.0	-2.02e-05
82	58	-0.01	0.11	-0.49	-9.98e-04	0.0	2.02e-05
82	59	-0.01	-0.11	-0.49	9.98e-04	0.0	-2.02e-05
82	60	0.01	0.09	-0.50	-9.76e-04	0.0	-2.00e-05
82	61	0.01	-0.09	-0.50	9.76e-04	0.0	2.00e-05
82	62	-0.01	0.09	-0.49	-9.76e-04	0.0	-2.00e-05
82	63	-0.01	-0.09	-0.49	9.76e-04	0.0	2.00e-05
82	64	0.01	0.09	-0.50	-9.76e-04	0.0	-2.00e-05
82	65	0.01	-0.09	-0.50	9.76e-04	0.0	2.00e-05
82	66	-0.01	0.09	-0.49	-9.76e-04	0.0	-2.00e-05
82	67	-0.01	-0.09	-0.49	9.76e-04	0.0	2.00e-05
82	68	4.09e-05	0.04	-0.49	-4.34e-04	0.0	0.0
82	69	4.09e-05	0.0	-0.49	0.0	0.0	0.0
82	70	4.09e-05	0.0	-0.49	0.0	0.0	0.0
83	1	6.20e-05	0.29	-0.64	-3.25e-03	0.0	0.0
83	2	4.77e-05	0.29	-0.49	-3.25e-03	0.0	0.0
83	3	4.77e-05	0.19	-0.49	-2.17e-03	0.0	0.0
83	4	0.04	0.03	-0.51	-2.80e-04	0.0	5.68e-06
83	5	0.04	-0.03	-0.51	2.80e-04	0.0	-5.68e-06
83	6	-0.04	0.03	-0.48	-2.80e-04	0.0	5.68e-06
83	7	-0.04	-0.03	-0.48	2.80e-04	0.0	-5.68e-06
83	8	0.04	0.03	-0.51	-2.73e-04	0.0	-5.57e-06
83	9	0.04	-0.03	-0.51	2.73e-04	0.0	5.57e-06
83	10	-0.04	0.03	-0.48	-2.73e-04	0.0	-5.57e-06
83	11	-0.04	-0.03	-0.48	2.73e-04	0.0	5.57e-06
83	12	0.04	0.03	-0.51	-2.80e-04	0.0	5.68e-06
83	13	0.04	-0.03	-0.51	2.80e-04	0.0	-5.68e-06
83	14	-0.04	0.03	-0.48	-2.80e-04	0.0	5.68e-06

83	15	-0.04	-0.03	-0.48	2.80e-04	0.0	-5.68e-06
83	16	0.04	0.03	-0.51	-2.73e-04	0.0	-5.57e-06
83	17	0.04	-0.03	-0.51	2.73e-04	0.0	5.57e-06
83	18	-0.04	0.03	-0.48	-2.73e-04	0.0	-5.57e-06
83	19	-0.04	-0.03	-0.48	2.73e-04	0.0	5.57e-06
83	20	0.01	0.11	-0.50	-9.32e-04	0.0	1.89e-05
83	21	0.01	-0.11	-0.50	9.32e-04	0.0	-1.89e-05
83	22	-0.01	0.11	-0.49	-9.32e-04	0.0	1.89e-05
83	23	-0.01	-0.11	-0.49	9.32e-04	0.0	-1.89e-05
83	24	0.01	0.11	-0.50	-9.32e-04	0.0	1.89e-05
83	25	0.01	-0.11	-0.50	9.32e-04	0.0	-1.89e-05
83	26	-0.01	0.11	-0.49	-9.32e-04	0.0	1.89e-05
83	27	-0.01	-0.11	-0.49	9.32e-04	0.0	-1.89e-05
83	28	0.01	0.09	-0.50	-9.09e-04	0.0	-1.86e-05
83	29	0.01	-0.09	-0.50	9.09e-04	0.0	1.86e-05
83	30	-0.01	0.09	-0.49	-9.09e-04	0.0	-1.86e-05
83	31	-0.01	-0.09	-0.49	9.09e-04	0.0	1.86e-05
83	32	0.01	0.09	-0.50	-9.09e-04	0.0	-1.86e-05
83	33	0.01	-0.09	-0.50	9.09e-04	0.0	1.86e-05
83	34	-0.01	0.09	-0.49	-9.09e-04	0.0	-1.86e-05
83	35	-0.01	-0.09	-0.49	9.09e-04	0.0	1.86e-05
83	36	0.04	0.03	-0.51	-3.00e-04	0.0	6.03e-06
83	37	0.04	-0.03	-0.51	3.00e-04	0.0	-6.03e-06
83	38	-0.04	0.03	-0.48	-3.00e-04	0.0	6.03e-06
83	39	-0.04	-0.03	-0.48	3.00e-04	0.0	-6.03e-06
83	40	0.04	0.03	-0.51	-2.92e-04	0.0	-5.93e-06
83	41	0.04	-0.03	-0.51	2.92e-04	0.0	5.93e-06
83	42	-0.04	0.03	-0.48	-2.92e-04	0.0	-5.93e-06
83	43	-0.04	-0.03	-0.48	2.92e-04	0.0	5.93e-06
83	44	0.04	0.03	-0.51	-3.00e-04	0.0	6.03e-06
83	45	0.04	-0.03	-0.51	3.00e-04	0.0	-6.03e-06
83	46	-0.04	0.03	-0.48	-3.00e-04	0.0	6.03e-06
83	47	-0.04	-0.03	-0.48	3.00e-04	0.0	-6.03e-06
83	48	0.04	0.03	-0.51	-2.92e-04	0.0	-5.93e-06
83	49	0.04	-0.03	-0.51	2.92e-04	0.0	5.93e-06
83	50	-0.04	0.03	-0.48	-2.92e-04	0.0	-5.93e-06
83	51	-0.04	-0.03	-0.48	2.92e-04	0.0	5.93e-06
83	52	0.01	0.11	-0.50	-9.99e-04	0.0	2.01e-05
83	53	0.01	-0.11	-0.50	9.99e-04	0.0	-2.01e-05
83	54	-0.01	0.11	-0.49	-9.99e-04	0.0	2.01e-05
83	55	-0.01	-0.11	-0.49	9.99e-04	0.0	-2.01e-05
83	56	0.01	0.11	-0.50	-9.99e-04	0.0	2.01e-05
83	57	0.01	-0.11	-0.50	9.99e-04	0.0	-2.01e-05
83	58	-0.01	0.11	-0.49	-9.99e-04	0.0	2.01e-05
83	59	-0.01	-0.11	-0.49	9.99e-04	0.0	-2.01e-05
83	60	0.01	0.09	-0.50	-9.75e-04	0.0	-1.98e-05
83	61	0.01	-0.09	-0.50	9.75e-04	0.0	1.98e-05
83	62	-0.01	0.09	-0.49	-9.75e-04	0.0	-1.98e-05
83	63	-0.01	-0.09	-0.49	9.75e-04	0.0	1.98e-05
83	64	0.01	0.09	-0.50	-9.75e-04	0.0	-1.98e-05
83	65	0.01	-0.09	-0.50	9.75e-04	0.0	1.98e-05
83	66	-0.01	0.09	-0.49	-9.75e-04	0.0	-1.98e-05
83	67	-0.01	-0.09	-0.49	9.75e-04	0.0	1.98e-05
83	68	4.77e-05	0.04	-0.49	-4.34e-04	0.0	0.0
83	69	4.77e-05	0.0	-0.49	0.0	0.0	0.0
83	70	4.77e-05	0.0	-0.49	0.0	0.0	0.0
84	1	7.08e-05	0.29	-0.64	-3.25e-03	0.0	0.0
84	2	5.45e-05	0.29	-0.49	-3.25e-03	0.0	0.0
84	3	5.45e-05	0.19	-0.49	-2.17e-03	0.0	0.0
84	4	0.04	0.03	-0.51	-2.80e-04	0.0	5.62e-06
84	5	0.04	-0.03	-0.51	2.80e-04	0.0	-5.62e-06
84	6	-0.04	0.03	-0.48	-2.80e-04	0.0	5.62e-06
84	7	-0.04	-0.03	-0.48	2.80e-04	0.0	-5.62e-06
84	8	0.04	0.03	-0.51	-2.73e-04	0.0	-5.53e-06
84	9	0.04	-0.03	-0.51	2.73e-04	0.0	5.53e-06
84	10	-0.04	0.03	-0.48	-2.73e-04	0.0	-5.53e-06
84	11	-0.04	-0.03	-0.48	2.73e-04	0.0	5.53e-06
84	12	0.04	0.03	-0.51	-2.80e-04	0.0	5.62e-06
84	13	0.04	-0.03	-0.51	2.80e-04	0.0	-5.62e-06
84	14	-0.04	0.03	-0.48	-2.80e-04	0.0	5.62e-06
84	15	-0.04	-0.03	-0.48	2.80e-04	0.0	-5.62e-06
84	16	0.04	0.03	-0.51	-2.73e-04	0.0	-5.53e-06
84	17	0.04	-0.03	-0.51	2.73e-04	0.0	5.53e-06
84	18	-0.04	0.03	-0.48	-2.73e-04	0.0	-5.53e-06
84	19	-0.04	-0.03	-0.48	2.73e-04	0.0	5.53e-06

84	20	0.01	0.11	-0.50	-9.34e-04	0.0	1.87e-05
84	21	0.01	-0.11	-0.50	9.34e-04	0.0	-1.87e-05
84	22	-0.01	0.11	-0.49	-9.34e-04	0.0	1.87e-05
84	23	-0.01	-0.11	-0.49	9.34e-04	0.0	-1.87e-05
84	24	0.01	0.11	-0.50	-9.34e-04	0.0	1.87e-05
84	25	0.01	-0.11	-0.50	9.34e-04	0.0	-1.87e-05
84	26	-0.01	0.11	-0.49	-9.34e-04	0.0	1.87e-05
84	27	-0.01	-0.11	-0.49	9.34e-04	0.0	-1.87e-05
84	28	0.01	0.08	-0.50	-9.09e-04	0.0	-1.84e-05
84	29	0.01	-0.08	-0.50	9.09e-04	0.0	1.84e-05
84	30	-0.01	0.08	-0.49	-9.09e-04	0.0	-1.84e-05
84	31	-0.01	-0.08	-0.49	9.09e-04	0.0	1.84e-05
84	32	0.01	0.08	-0.50	-9.09e-04	0.0	-1.84e-05
84	33	0.01	-0.08	-0.50	9.09e-04	0.0	1.84e-05
84	34	-0.01	0.08	-0.49	-9.09e-04	0.0	-1.84e-05
84	35	-0.01	-0.08	-0.49	9.09e-04	0.0	1.84e-05
84	36	0.04	0.03	-0.51	-3.00e-04	0.0	5.96e-06
84	37	0.04	-0.03	-0.51	3.00e-04	0.0	-5.96e-06
84	38	-0.04	0.03	-0.48	-3.00e-04	0.0	5.96e-06
84	39	-0.04	-0.03	-0.48	3.00e-04	0.0	-5.96e-06
84	40	0.04	0.03	-0.51	-2.92e-04	0.0	-5.88e-06
84	41	0.04	-0.03	-0.51	2.92e-04	0.0	5.88e-06
84	42	-0.04	0.03	-0.48	-2.92e-04	0.0	-5.88e-06
84	43	-0.04	-0.03	-0.48	2.92e-04	0.0	5.88e-06
84	44	0.04	0.03	-0.51	-3.00e-04	0.0	5.96e-06
84	45	0.04	-0.03	-0.51	3.00e-04	0.0	-5.96e-06
84	46	-0.04	0.03	-0.48	-3.00e-04	0.0	5.96e-06
84	47	-0.04	-0.03	-0.48	3.00e-04	0.0	-5.96e-06
84	48	0.04	0.03	-0.51	-2.92e-04	0.0	-5.88e-06
84	49	0.04	-0.03	-0.51	2.92e-04	0.0	5.88e-06
84	50	-0.04	0.03	-0.48	-2.92e-04	0.0	-5.88e-06
84	51	-0.04	-0.03	-0.48	2.92e-04	0.0	5.88e-06
84	52	0.01	0.11	-0.50	-1.00e-03	0.0	1.99e-05
84	53	0.01	-0.11	-0.50	1.00e-03	0.0	-1.99e-05
84	54	-0.01	0.11	-0.49	-1.00e-03	0.0	1.99e-05
84	55	-0.01	-0.11	-0.49	1.00e-03	0.0	-1.99e-05
84	56	0.01	0.11	-0.50	-1.00e-03	0.0	1.99e-05
84	57	0.01	-0.11	-0.50	1.00e-03	0.0	-1.99e-05
84	58	-0.01	0.11	-0.49	-1.00e-03	0.0	1.99e-05
84	59	-0.01	-0.11	-0.49	1.00e-03	0.0	-1.99e-05
84	60	0.01	0.09	-0.50	-9.74e-04	0.0	-1.96e-05
84	61	0.01	-0.09	-0.50	9.74e-04	0.0	1.96e-05
84	62	-0.01	0.09	-0.49	-9.74e-04	0.0	-1.96e-05
84	63	-0.01	-0.09	-0.49	9.74e-04	0.0	1.96e-05
84	64	0.01	0.09	-0.50	-9.74e-04	0.0	-1.96e-05
84	65	0.01	-0.09	-0.50	9.74e-04	0.0	1.96e-05
84	66	-0.01	0.09	-0.49	-9.74e-04	0.0	-1.96e-05
84	67	-0.01	-0.09	-0.49	9.74e-04	0.0	1.96e-05
84	68	5.45e-05	0.04	-0.49	-4.34e-04	0.0	0.0
84	69	5.45e-05	0.0	-0.49	0.0	0.0	0.0
84	70	5.45e-05	0.0	-0.49	0.0	0.0	0.0
85	1	7.89e-05	0.29	-0.64	-3.26e-03	0.0	0.0
85	2	6.07e-05	0.29	-0.49	-3.26e-03	0.0	0.0
85	3	6.07e-05	0.19	-0.49	-2.17e-03	0.0	0.0
85	4	0.04	0.03	-0.51	-2.80e-04	0.0	5.54e-06
85	5	0.04	-0.03	-0.51	2.80e-04	0.0	-5.54e-06
85	6	-0.04	0.03	-0.47	-2.80e-04	0.0	5.54e-06
85	7	-0.04	-0.03	-0.47	2.80e-04	0.0	-5.54e-06
85	8	0.04	0.02	-0.51	-2.72e-04	0.0	-5.52e-06
85	9	0.04	-0.02	-0.51	2.72e-04	0.0	5.52e-06
85	10	-0.04	0.02	-0.47	-2.72e-04	0.0	-5.52e-06
85	11	-0.04	-0.02	-0.47	2.72e-04	0.0	5.52e-06
85	12	0.04	0.03	-0.51	-2.80e-04	0.0	5.54e-06
85	13	0.04	-0.03	-0.51	2.80e-04	0.0	-5.54e-06
85	14	-0.04	0.03	-0.47	-2.80e-04	0.0	5.54e-06
85	15	-0.04	-0.03	-0.47	2.80e-04	0.0	-5.54e-06
85	16	0.04	0.02	-0.51	-2.72e-04	0.0	-5.52e-06
85	17	0.04	-0.02	-0.51	2.72e-04	0.0	5.52e-06
85	18	-0.04	0.02	-0.47	-2.72e-04	0.0	-5.52e-06
85	19	-0.04	-0.02	-0.47	2.72e-04	0.0	5.52e-06
85	20	0.01	0.11	-0.50	-9.34e-04	0.0	1.85e-05
85	21	0.01	-0.11	-0.50	9.34e-04	0.0	-1.85e-05
85	22	-0.01	0.11	-0.49	-9.34e-04	0.0	1.85e-05
85	23	-0.01	-0.11	-0.49	9.34e-04	0.0	-1.85e-05
85	24	0.01	0.11	-0.50	-9.34e-04	0.0	1.85e-05

85	25	0.01	-0.11	-0.50	9.34e-04	0.0	-1.85e-05
85	26	-0.01	0.11	-0.49	-9.34e-04	0.0	1.85e-05
85	27	-0.01	-0.11	-0.49	9.34e-04	0.0	-1.85e-05
85	28	0.01	0.08	-0.50	-9.08e-04	0.0	-1.84e-05
85	29	0.01	-0.08	-0.50	9.08e-04	0.0	1.84e-05
85	30	-0.01	0.08	-0.49	-9.08e-04	0.0	-1.84e-05
85	31	-0.01	-0.08	-0.49	9.08e-04	0.0	1.84e-05
85	32	0.01	0.08	-0.50	-9.08e-04	0.0	-1.84e-05
85	33	0.01	-0.08	-0.50	9.08e-04	0.0	1.84e-05
85	34	-0.01	0.08	-0.49	-9.08e-04	0.0	-1.84e-05
85	35	-0.01	-0.08	-0.49	9.08e-04	0.0	1.84e-05
85	36	0.04	0.03	-0.51	-3.00e-04	0.0	5.88e-06
85	37	0.04	-0.03	-0.51	3.00e-04	0.0	-5.88e-06
85	38	-0.04	0.03	-0.48	-3.00e-04	0.0	5.88e-06
85	39	-0.04	-0.03	-0.48	3.00e-04	0.0	-5.88e-06
85	40	0.04	0.03	-0.51	-2.92e-04	0.0	5.88e-06
85	41	0.04	-0.03	-0.51	2.92e-04	0.0	-5.88e-06
85	42	-0.04	0.03	-0.48	-2.92e-04	0.0	5.88e-06
85	43	-0.04	-0.03	-0.48	2.92e-04	0.0	-5.88e-06
85	44	0.04	0.03	-0.51	-3.00e-04	0.0	5.88e-06
85	45	0.04	-0.03	-0.51	3.00e-04	0.0	-5.88e-06
85	46	-0.04	0.03	-0.48	-3.00e-04	0.0	5.88e-06
85	47	-0.04	-0.03	-0.48	3.00e-04	0.0	-5.88e-06
85	48	0.04	0.03	-0.51	-2.92e-04	0.0	5.88e-06
85	49	0.04	-0.03	-0.51	2.92e-04	0.0	-5.88e-06
85	50	-0.04	0.03	-0.48	-2.92e-04	0.0	5.88e-06
85	51	-0.04	-0.03	-0.48	2.92e-04	0.0	-5.88e-06
85	52	0.01	0.12	-0.50	-1.00e-03	0.0	1.96e-05
85	53	0.01	-0.12	-0.50	1.00e-03	0.0	-1.96e-05
85	54	-0.01	0.12	-0.49	-1.00e-03	0.0	1.96e-05
85	55	-0.01	-0.12	-0.49	1.00e-03	0.0	-1.96e-05
85	56	0.01	0.12	-0.50	-1.00e-03	0.0	1.96e-05
85	57	0.01	-0.12	-0.50	1.00e-03	0.0	-1.96e-05
85	58	-0.01	0.12	-0.49	-1.00e-03	0.0	1.96e-05
85	59	-0.01	-0.12	-0.49	1.00e-03	0.0	-1.96e-05
85	60	0.01	0.09	-0.50	-9.73e-04	0.0	1.96e-05
85	61	0.01	-0.09	-0.50	9.73e-04	0.0	-1.96e-05
85	62	-0.01	0.09	-0.49	-9.73e-04	0.0	1.96e-05
85	63	-0.01	-0.09	-0.49	9.73e-04	0.0	-1.96e-05
85	64	0.01	0.09	-0.50	-9.73e-04	0.0	1.96e-05
85	65	0.01	-0.09	-0.50	9.73e-04	0.0	-1.96e-05
85	66	-0.01	0.09	-0.49	-9.73e-04	0.0	1.96e-05
85	67	-0.01	-0.09	-0.49	9.73e-04	0.0	-1.96e-05
85	68	6.07e-05	0.04	-0.49	-4.34e-04	0.0	0.0
85	69	6.07e-05	0.0	-0.49	0.0	0.0	0.0
85	70	6.07e-05	0.0	-0.49	0.0	0.0	0.0
86	1	9.54e-05	0.29	-0.64	-3.26e-03	0.0	-1.72e-06
86	2	7.34e-05	0.29	-0.49	-3.26e-03	0.0	-1.72e-06
86	3	7.34e-05	0.19	-0.49	-2.17e-03	0.0	-1.15e-06
86	4	0.04	0.03	-0.51	-2.80e-04	0.0	5.30e-06
86	5	0.04	-0.03	-0.51	2.80e-04	0.0	-5.30e-06
86	6	-0.04	0.03	-0.47	-2.80e-04	0.0	5.30e-06
86	7	-0.04	-0.03	-0.47	2.80e-04	0.0	-5.30e-06
86	8	0.04	0.02	-0.51	-2.72e-04	0.0	5.68e-06
86	9	0.04	-0.02	-0.51	2.72e-04	0.0	-5.68e-06
86	10	-0.04	0.02	-0.47	-2.72e-04	0.0	5.68e-06
86	11	-0.04	-0.02	-0.47	2.72e-04	0.0	-5.68e-06
86	12	0.04	0.03	-0.51	-2.80e-04	0.0	5.30e-06
86	13	0.04	-0.03	-0.51	2.80e-04	0.0	-5.30e-06
86	14	-0.04	0.03	-0.47	-2.80e-04	0.0	5.30e-06
86	15	-0.04	-0.03	-0.47	2.80e-04	0.0	-5.30e-06
86	16	0.04	0.02	-0.51	-2.72e-04	0.0	5.68e-06
86	17	0.04	-0.02	-0.51	2.72e-04	0.0	-5.68e-06
86	18	-0.04	0.02	-0.47	-2.72e-04	0.0	5.68e-06
86	19	-0.04	-0.02	-0.47	2.72e-04	0.0	-5.68e-06
86	20	0.01	0.11	-0.50	-9.35e-04	0.0	1.77e-05
86	21	0.01	-0.11	-0.50	9.35e-04	0.0	-1.77e-05
86	22	-0.01	0.11	-0.49	-9.35e-04	0.0	1.77e-05
86	23	-0.01	-0.11	-0.49	9.35e-04	0.0	-1.77e-05
86	24	0.01	0.11	-0.50	-9.35e-04	0.0	1.77e-05
86	25	0.01	-0.11	-0.50	9.35e-04	0.0	-1.77e-05
86	26	-0.01	0.11	-0.49	-9.35e-04	0.0	1.77e-05
86	27	-0.01	-0.11	-0.49	9.35e-04	0.0	-1.77e-05
86	28	0.01	0.08	-0.50	-9.08e-04	0.0	1.89e-05
86	29	0.01	-0.08	-0.50	9.08e-04	0.0	-1.89e-05

86	30	-0.01	0.08	-0.49	-9.08e-04	0.0	-1.89e-05
86	31	-0.01	-0.08	-0.49	9.08e-04	0.0	1.89e-05
86	32	0.01	0.08	-0.50	-9.08e-04	0.0	-1.89e-05
86	33	0.01	-0.08	-0.50	9.08e-04	0.0	1.89e-05
86	34	-0.01	0.08	-0.49	-9.08e-04	0.0	-1.89e-05
86	35	-0.01	-0.08	-0.49	9.08e-04	0.0	1.89e-05
86	36	0.04	0.04	-0.51	-3.01e-04	0.0	5.62e-06
86	37	0.04	-0.04	-0.51	3.01e-04	0.0	-5.62e-06
86	38	-0.04	0.04	-0.47	-3.01e-04	0.0	5.62e-06
86	39	-0.04	-0.04	-0.47	3.01e-04	0.0	-5.62e-06
86	40	0.04	0.03	-0.51	-2.92e-04	0.0	-6.04e-06
86	41	0.04	-0.03	-0.51	2.92e-04	0.0	6.04e-06
86	42	-0.04	0.03	-0.47	-2.92e-04	0.0	-6.04e-06
86	43	-0.04	-0.03	-0.47	2.92e-04	0.0	6.04e-06
86	44	0.04	0.04	-0.51	-3.01e-04	0.0	5.62e-06
86	45	0.04	-0.04	-0.51	3.01e-04	0.0	-5.62e-06
86	46	-0.04	0.04	-0.47	-3.01e-04	0.0	5.62e-06
86	47	-0.04	-0.04	-0.47	3.01e-04	0.0	-5.62e-06
86	48	0.04	0.03	-0.51	-2.92e-04	0.0	-6.04e-06
86	49	0.04	-0.03	-0.51	2.92e-04	0.0	6.04e-06
86	50	-0.04	0.03	-0.47	-2.92e-04	0.0	-6.04e-06
86	51	-0.04	-0.03	-0.47	2.92e-04	0.0	6.04e-06
86	52	0.01	0.12	-0.50	-1.00e-03	0.0	1.87e-05
86	53	0.01	-0.12	-0.50	1.00e-03	0.0	-1.87e-05
86	54	-0.01	0.12	-0.49	-1.00e-03	0.0	1.87e-05
86	55	-0.01	-0.12	-0.49	1.00e-03	0.0	-1.87e-05
86	56	0.01	0.12	-0.50	-1.00e-03	0.0	1.87e-05
86	57	0.01	-0.12	-0.50	1.00e-03	0.0	-1.87e-05
86	58	-0.01	0.12	-0.49	-1.00e-03	0.0	1.87e-05
86	59	-0.01	-0.12	-0.49	1.00e-03	0.0	-1.87e-05
86	60	0.01	0.09	-0.50	-9.73e-04	0.0	-2.01e-05
86	61	0.01	-0.09	-0.50	9.73e-04	0.0	2.01e-05
86	62	-0.01	0.09	-0.49	-9.73e-04	0.0	-2.01e-05
86	63	-0.01	-0.09	-0.49	9.73e-04	0.0	2.01e-05
86	64	0.01	0.09	-0.50	-9.73e-04	0.0	-2.01e-05
86	65	0.01	-0.09	-0.50	9.73e-04	0.0	2.01e-05
86	66	-0.01	0.09	-0.49	-9.73e-04	0.0	-2.01e-05
86	67	-0.01	-0.09	-0.49	9.73e-04	0.0	2.01e-05
86	68	7.34e-05	0.04	-0.49	-4.34e-04	0.0	0.0
86	69	7.34e-05	0.0	-0.49	0.0	0.0	0.0
86	70	7.34e-05	0.0	-0.49	0.0	0.0	0.0
87	1	-1.35e-04	0.47	-0.64	-3.27e-03	0.0	-4.42e-06
87	2	-1.04e-04	0.47	-0.49	-3.27e-03	0.0	-4.42e-06
87	3	-1.04e-04	0.31	-0.49	-2.18e-03	0.0	-2.95e-06
87	4	0.04	0.04	-0.47	-2.73e-04	0.0	5.55e-06
87	5	0.04	-0.04	-0.47	2.73e-04	0.0	-5.55e-06
87	6	-0.04	0.04	-0.51	-2.73e-04	0.0	5.55e-06
87	7	-0.04	-0.04	-0.51	2.73e-04	0.0	-5.55e-06
87	8	0.04	0.05	-0.47	-2.81e-04	0.0	-5.87e-06
87	9	0.04	-0.05	-0.47	2.81e-04	0.0	5.87e-06
87	10	-0.04	0.05	-0.51	-2.81e-04	0.0	-5.87e-06
87	11	-0.04	-0.05	-0.51	2.81e-04	0.0	5.87e-06
87	12	0.04	0.04	-0.47	-2.73e-04	0.0	5.55e-06
87	13	0.04	-0.04	-0.47	2.73e-04	0.0	-5.55e-06
87	14	-0.04	0.04	-0.51	-2.73e-04	0.0	5.55e-06
87	15	-0.04	-0.04	-0.51	2.73e-04	0.0	-5.55e-06
87	16	0.04	0.05	-0.47	-2.81e-04	0.0	-5.87e-06
87	17	0.04	-0.05	-0.47	2.81e-04	0.0	5.87e-06
87	18	-0.04	0.05	-0.51	-2.81e-04	0.0	-5.87e-06
87	19	-0.04	-0.05	-0.51	2.81e-04	0.0	5.87e-06
87	20	0.01	0.13	-0.49	-9.10e-04	0.0	1.85e-05
87	21	0.01	-0.13	-0.49	9.10e-04	0.0	-1.85e-05
87	22	-0.01	0.13	-0.50	-9.10e-04	0.0	1.85e-05
87	23	-0.01	-0.13	-0.50	9.10e-04	0.0	-1.85e-05
87	24	0.01	0.13	-0.49	-9.10e-04	0.0	1.85e-05
87	25	0.01	-0.13	-0.49	9.10e-04	0.0	-1.85e-05
87	26	-0.01	0.13	-0.50	-9.10e-04	0.0	1.85e-05
87	27	-0.01	-0.13	-0.50	9.10e-04	0.0	-1.85e-05
87	28	0.01	0.16	-0.49	-9.38e-04	0.0	-1.96e-05
87	29	0.01	-0.16	-0.49	9.38e-04	0.0	1.96e-05
87	30	-0.01	0.16	-0.50	-9.38e-04	0.0	-1.96e-05
87	31	-0.01	-0.16	-0.50	9.38e-04	0.0	1.96e-05
87	32	0.01	0.16	-0.49	-9.38e-04	0.0	-1.96e-05
87	33	0.01	-0.16	-0.49	9.38e-04	0.0	1.96e-05
87	34	-0.01	0.16	-0.50	-9.38e-04	0.0	-1.96e-05

87	35	-0.01	-0.16	-0.50	9.38e-04	0.0	1.96e-05
87	36	0.04	0.04	-0.48	-2.93e-04	0.0	5.92e-06
87	37	0.04	-0.04	-0.48	2.93e-04	0.0	-5.92e-06
87	38	-0.04	0.04	-0.51	-2.93e-04	0.0	5.92e-06
87	39	-0.04	-0.04	-0.51	2.93e-04	0.0	-5.92e-06
87	40	0.04	0.05	-0.48	-3.01e-04	0.0	-6.23e-06
87	41	0.04	-0.05	-0.48	3.01e-04	0.0	6.23e-06
87	42	-0.04	0.05	-0.51	-3.01e-04	0.0	-6.23e-06
87	43	-0.04	-0.05	-0.51	3.01e-04	0.0	6.23e-06
87	44	0.04	0.04	-0.48	-2.93e-04	0.0	5.92e-06
87	45	0.04	-0.04	-0.48	2.93e-04	0.0	-5.92e-06
87	46	-0.04	0.04	-0.51	-2.93e-04	0.0	5.92e-06
87	47	-0.04	-0.04	-0.51	2.93e-04	0.0	-5.92e-06
87	48	0.04	0.05	-0.48	-3.01e-04	0.0	-6.23e-06
87	49	0.04	-0.05	-0.48	3.01e-04	0.0	6.23e-06
87	50	-0.04	0.05	-0.51	-3.01e-04	0.0	-6.23e-06
87	51	-0.04	-0.05	-0.51	3.01e-04	0.0	6.23e-06
87	52	0.01	0.14	-0.49	-9.75e-04	0.0	1.97e-05
87	53	0.01	-0.14	-0.49	9.75e-04	0.0	-1.97e-05
87	54	-0.01	0.14	-0.50	-9.75e-04	0.0	1.97e-05
87	55	-0.01	-0.14	-0.50	9.75e-04	0.0	-1.97e-05
87	56	0.01	0.14	-0.49	-9.75e-04	0.0	1.97e-05
87	57	0.01	-0.14	-0.49	9.75e-04	0.0	-1.97e-05
87	58	-0.01	0.14	-0.50	-9.75e-04	0.0	1.97e-05
87	59	-0.01	-0.14	-0.50	9.75e-04	0.0	-1.97e-05
87	60	0.01	0.17	-0.49	-1.00e-03	0.0	-2.08e-05
87	61	0.01	-0.17	-0.49	1.00e-03	0.0	2.08e-05
87	62	-0.01	0.17	-0.50	-1.00e-03	0.0	-2.08e-05
87	63	-0.01	-0.17	-0.50	1.00e-03	0.0	2.08e-05
87	64	0.01	0.17	-0.49	-1.00e-03	0.0	-2.08e-05
87	65	0.01	-0.17	-0.49	1.00e-03	0.0	2.08e-05
87	66	-0.01	0.17	-0.50	-1.00e-03	0.0	-2.08e-05
87	67	-0.01	-0.17	-0.50	1.00e-03	0.0	2.08e-05
87	68	-1.04e-04	0.06	-0.49	-4.36e-04	0.0	0.0
87	69	-1.04e-04	0.0	-0.49	0.0	0.0	0.0
87	70	-1.04e-04	0.0	-0.49	0.0	0.0	0.0
88	1	-1.39e-04	0.47	-0.64	-3.28e-03	0.0	-1.59e-06
88	2	-1.07e-04	0.47	-0.49	-3.28e-03	0.0	-1.59e-06
88	3	-1.07e-04	0.32	-0.49	-2.18e-03	0.0	-1.06e-06
88	4	0.04	0.04	-0.47	-2.73e-04	0.0	5.62e-06
88	5	0.04	-0.04	-0.47	2.73e-04	0.0	-5.62e-06
88	6	-0.04	0.04	-0.51	-2.73e-04	0.0	5.62e-06
88	7	-0.04	-0.04	-0.51	2.73e-04	0.0	-5.62e-06
88	8	0.04	0.05	-0.47	-2.82e-04	0.0	-5.68e-06
88	9	0.04	-0.05	-0.47	2.82e-04	0.0	5.68e-06
88	10	-0.04	0.05	-0.51	-2.82e-04	0.0	-5.68e-06
88	11	-0.04	-0.05	-0.51	2.82e-04	0.0	5.68e-06
88	12	0.04	0.04	-0.47	-2.73e-04	0.0	5.62e-06
88	13	0.04	-0.04	-0.47	2.73e-04	0.0	-5.62e-06
88	14	-0.04	0.04	-0.51	-2.73e-04	0.0	5.62e-06
88	15	-0.04	-0.04	-0.51	2.73e-04	0.0	-5.62e-06
88	16	0.04	0.05	-0.47	-2.82e-04	0.0	-5.68e-06
88	17	0.04	-0.05	-0.47	2.82e-04	0.0	5.68e-06
88	18	-0.04	0.05	-0.51	-2.82e-04	0.0	-5.68e-06
88	19	-0.04	-0.05	-0.51	2.82e-04	0.0	5.68e-06
88	20	0.01	0.13	-0.49	-9.10e-04	0.0	1.87e-05
88	21	0.01	-0.13	-0.49	9.10e-04	0.0	-1.87e-05
88	22	-0.01	0.13	-0.50	-9.10e-04	0.0	1.87e-05
88	23	-0.01	-0.13	-0.50	9.10e-04	0.0	-1.87e-05
88	24	0.01	0.13	-0.49	-9.10e-04	0.0	1.87e-05
88	25	0.01	-0.13	-0.49	9.10e-04	0.0	-1.87e-05
88	26	-0.01	0.13	-0.50	-9.10e-04	0.0	1.87e-05
88	27	-0.01	-0.13	-0.50	9.10e-04	0.0	-1.87e-05
88	28	0.01	0.16	-0.49	-9.39e-04	0.0	-1.89e-05
88	29	0.01	-0.16	-0.49	9.39e-04	0.0	1.89e-05
88	30	-0.01	0.16	-0.50	-9.39e-04	0.0	-1.89e-05
88	31	-0.01	-0.16	-0.50	9.39e-04	0.0	1.89e-05
88	32	0.01	0.16	-0.49	-9.39e-04	0.0	-1.89e-05
88	33	0.01	-0.16	-0.49	9.39e-04	0.0	1.89e-05
88	34	-0.01	0.16	-0.50	-9.39e-04	0.0	-1.89e-05
88	35	-0.01	-0.16	-0.50	9.39e-04	0.0	1.89e-05
88	36	0.04	0.04	-0.47	-2.93e-04	0.0	5.98e-06
88	37	0.04	-0.04	-0.47	2.93e-04	0.0	-5.98e-06
88	38	-0.04	0.04	-0.51	-2.93e-04	0.0	5.98e-06
88	39	-0.04	-0.04	-0.51	2.93e-04	0.0	-5.98e-06

88	40	0.04	0.05	-0.47	-3.02e-04	0.0	-6.03e-06
88	41	0.04	-0.05	-0.47	3.02e-04	0.0	6.03e-06
88	42	-0.04	0.05	-0.51	-3.02e-04	0.0	-6.03e-06
88	43	-0.04	-0.05	-0.51	3.02e-04	0.0	6.03e-06
88	44	0.04	0.04	-0.47	-2.93e-04	0.0	5.98e-06
88	45	0.04	-0.04	-0.47	2.93e-04	0.0	-5.98e-06
88	46	-0.04	0.04	-0.51	-2.93e-04	0.0	5.98e-06
88	47	-0.04	-0.04	-0.51	2.93e-04	0.0	-5.98e-06
88	48	0.04	0.05	-0.47	-3.02e-04	0.0	-6.03e-06
88	49	0.04	-0.05	-0.47	3.02e-04	0.0	6.03e-06
88	50	-0.04	0.05	-0.51	-3.02e-04	0.0	-6.03e-06
88	51	-0.04	-0.05	-0.51	3.02e-04	0.0	6.03e-06
88	52	0.01	0.14	-0.49	-9.76e-04	0.0	1.99e-05
88	53	0.01	-0.14	-0.49	9.76e-04	0.0	-1.99e-05
88	54	-0.01	0.14	-0.50	-9.76e-04	0.0	1.99e-05
88	55	-0.01	-0.14	-0.50	9.76e-04	0.0	-1.99e-05
88	56	0.01	0.14	-0.49	-9.76e-04	0.0	1.99e-05
88	57	0.01	-0.14	-0.49	9.76e-04	0.0	-1.99e-05
88	58	-0.01	0.14	-0.50	-9.76e-04	0.0	1.99e-05
88	59	-0.01	-0.14	-0.50	9.76e-04	0.0	-1.99e-05
88	60	0.01	0.17	-0.49	-1.01e-03	0.0	2.01e-05
88	61	0.01	-0.17	-0.49	1.01e-03	0.0	-2.01e-05
88	62	-0.01	0.17	-0.50	-1.01e-03	0.0	2.01e-05
88	63	-0.01	-0.17	-0.50	1.01e-03	0.0	-2.01e-05
88	64	0.01	0.17	-0.49	-1.01e-03	0.0	2.01e-05
88	65	0.01	-0.17	-0.49	1.01e-03	0.0	-2.01e-05
88	66	-0.01	0.17	-0.50	-1.01e-03	0.0	2.01e-05
88	67	-0.01	-0.17	-0.50	1.01e-03	0.0	-2.01e-05
88	68	-1.07e-04	0.06	-0.49	-4.37e-04	0.0	0.0
88	69	-1.07e-04	0.0	-0.49	0.0	0.0	0.0
88	70	-1.07e-04	0.0	-0.49	0.0	0.0	0.0
89	1	-1.20e-04	0.47	-0.64	-3.26e-03	0.0	0.0
89	2	-9.26e-05	0.47	-0.49	-3.26e-03	0.0	0.0
89	3	-9.26e-05	0.31	-0.49	-2.18e-03	0.0	0.0
89	4	0.04	0.04	-0.48	-2.73e-04	0.0	5.69e-06
89	5	0.04	-0.04	-0.48	2.73e-04	0.0	-5.69e-06
89	6	-0.04	0.04	-0.51	-2.73e-04	0.0	5.69e-06
89	7	-0.04	-0.04	-0.51	2.73e-04	0.0	-5.69e-06
89	8	0.04	0.05	-0.48	-2.81e-04	0.0	5.87e-06
89	9	0.04	-0.05	-0.48	2.81e-04	0.0	-5.87e-06
89	10	-0.04	0.05	-0.51	-2.81e-04	0.0	5.87e-06
89	11	-0.04	-0.05	-0.51	2.81e-04	0.0	-5.87e-06
89	12	0.04	0.04	-0.48	-2.73e-04	0.0	5.69e-06
89	13	0.04	-0.04	-0.48	2.73e-04	0.0	-5.69e-06
89	14	-0.04	0.04	-0.51	-2.73e-04	0.0	5.69e-06
89	15	-0.04	-0.04	-0.51	2.73e-04	0.0	-5.69e-06
89	16	0.04	0.05	-0.48	-2.81e-04	0.0	5.87e-06
89	17	0.04	-0.05	-0.48	2.81e-04	0.0	-5.87e-06
89	18	-0.04	0.05	-0.51	-2.81e-04	0.0	5.87e-06
89	19	-0.04	-0.05	-0.51	2.81e-04	0.0	-5.87e-06
89	20	0.01	0.14	-0.49	-9.10e-04	0.0	1.90e-05
89	21	0.01	-0.14	-0.49	9.10e-04	0.0	-1.90e-05
89	22	-0.01	0.14	-0.50	-9.10e-04	0.0	1.90e-05
89	23	-0.01	-0.14	-0.50	9.10e-04	0.0	-1.90e-05
89	24	0.01	0.14	-0.49	-9.10e-04	0.0	1.90e-05
89	25	0.01	-0.14	-0.49	9.10e-04	0.0	-1.90e-05
89	26	-0.01	0.14	-0.50	-9.10e-04	0.0	1.90e-05
89	27	-0.01	-0.14	-0.50	9.10e-04	0.0	-1.90e-05
89	28	0.01	0.16	-0.49	-9.36e-04	0.0	1.96e-05
89	29	0.01	-0.16	-0.49	9.36e-04	0.0	-1.96e-05
89	30	-0.01	0.16	-0.50	-9.36e-04	0.0	1.96e-05
89	31	-0.01	-0.16	-0.50	9.36e-04	0.0	-1.96e-05
89	32	0.01	0.16	-0.49	-9.36e-04	0.0	1.96e-05
89	33	0.01	-0.16	-0.49	9.36e-04	0.0	-1.96e-05
89	34	-0.01	0.16	-0.50	-9.36e-04	0.0	1.96e-05
89	35	-0.01	-0.16	-0.50	9.36e-04	0.0	-1.96e-05
89	36	0.04	0.04	-0.48	-2.93e-04	0.0	6.07e-06
89	37	0.04	-0.04	-0.48	2.93e-04	0.0	-6.07e-06
89	38	-0.04	0.04	-0.51	-2.93e-04	0.0	6.07e-06
89	39	-0.04	-0.04	-0.51	2.93e-04	0.0	-6.07e-06
89	40	0.04	0.05	-0.48	-3.01e-04	0.0	6.23e-06
89	41	0.04	-0.05	-0.48	3.01e-04	0.0	-6.23e-06
89	42	-0.04	0.05	-0.51	-3.01e-04	0.0	6.23e-06
89	43	-0.04	-0.05	-0.51	3.01e-04	0.0	-6.23e-06
89	44	0.04	0.04	-0.48	-2.93e-04	0.0	6.07e-06



89	45	0.04	-0.04	-0.48	2.93e-04	0.0	-6.07e-06
89	46	-0.04	0.04	-0.51	-2.93e-04	0.0	6.07e-06
89	47	-0.04	-0.04	-0.51	2.93e-04	0.0	-6.07e-06
89	48	0.04	0.05	-0.48	-3.01e-04	0.0	-6.23e-06
89	49	0.04	-0.05	-0.48	3.01e-04	0.0	6.23e-06
89	50	-0.04	0.05	-0.51	-3.01e-04	0.0	-6.23e-06
89	51	-0.04	-0.05	-0.51	3.01e-04	0.0	6.23e-06
89	52	0.01	0.15	-0.49	-9.76e-04	0.0	2.02e-05
89	53	0.01	-0.15	-0.49	9.76e-04	0.0	-2.02e-05
89	54	-0.01	0.15	-0.50	-9.76e-04	0.0	2.02e-05
89	55	-0.01	-0.15	-0.50	9.76e-04	0.0	-2.02e-05
89	56	0.01	0.15	-0.49	-9.76e-04	0.0	2.02e-05
89	57	0.01	-0.15	-0.49	9.76e-04	0.0	-2.02e-05
89	58	-0.01	0.15	-0.50	-9.76e-04	0.0	2.02e-05
89	59	-0.01	-0.15	-0.50	9.76e-04	0.0	-2.02e-05
89	60	0.01	0.17	-0.49	-1.00e-03	0.0	2.08e-05
89	61	0.01	-0.17	-0.49	1.00e-03	0.0	-2.08e-05
89	62	-0.01	0.17	-0.50	-1.00e-03	0.0	2.08e-05
89	63	-0.01	-0.17	-0.50	1.00e-03	0.0	-2.08e-05
89	64	0.01	0.17	-0.49	-1.00e-03	0.0	2.08e-05
89	65	0.01	-0.17	-0.49	1.00e-03	0.0	-2.08e-05
89	66	-0.01	0.17	-0.50	-1.00e-03	0.0	2.08e-05
89	67	-0.01	-0.17	-0.50	1.00e-03	0.0	-2.08e-05
89	68	-9.26e-05	0.06	-0.49	-4.35e-04	0.0	0.0
89	69	-9.26e-05	0.0	-0.49	0.0	0.0	0.0
89	70	-9.26e-05	0.0	-0.49	0.0	0.0	0.0
90	1	-1.01e-04	0.47	-0.64	-3.27e-03	0.0	3.33e-06
90	2	-7.80e-05	0.47	-0.49	-3.27e-03	0.0	3.33e-06
90	3	-7.80e-05	0.31	-0.49	-2.18e-03	0.0	2.22e-06
90	4	0.04	0.04	-0.48	-2.73e-04	0.0	-5.87e-06
90	5	0.04	-0.04	-0.48	2.73e-04	0.0	5.87e-06
90	6	-0.04	0.04	-0.51	-2.73e-04	0.0	-5.87e-06
90	7	-0.04	-0.04	-0.51	2.73e-04	0.0	5.87e-06
90	8	0.04	0.05	-0.48	-2.81e-04	0.0	-5.87e-06
90	9	0.04	-0.05	-0.48	2.81e-04	0.0	5.87e-06
90	10	-0.04	0.05	-0.51	-2.81e-04	0.0	-5.87e-06
90	11	-0.04	-0.05	-0.51	2.81e-04	0.0	5.87e-06
90	12	0.04	0.04	-0.48	-2.73e-04	0.0	-5.87e-06
90	13	0.04	-0.04	-0.48	2.73e-04	0.0	5.87e-06
90	14	-0.04	0.04	-0.51	-2.73e-04	0.0	-5.87e-06
90	15	-0.04	-0.04	-0.51	2.73e-04	0.0	5.87e-06
90	16	0.04	0.05	-0.48	-2.81e-04	0.0	-5.87e-06
90	17	0.04	-0.05	-0.48	2.81e-04	0.0	5.87e-06
90	18	-0.04	0.05	-0.51	-2.81e-04	0.0	-5.87e-06
90	19	-0.04	-0.05	-0.51	2.81e-04	0.0	5.87e-06
90	20	0.01	0.14	-0.49	-9.12e-04	0.0	1.96e-05
90	21	0.01	-0.14	-0.49	9.12e-04	0.0	-1.96e-05
90	22	-0.01	0.14	-0.50	-9.12e-04	0.0	1.96e-05
90	23	-0.01	-0.14	-0.50	9.12e-04	0.0	-1.96e-05
90	24	0.01	0.14	-0.49	-9.12e-04	0.0	1.96e-05
90	25	0.01	-0.14	-0.49	9.12e-04	0.0	-1.96e-05
90	26	-0.01	0.14	-0.50	-9.12e-04	0.0	1.96e-05
90	27	-0.01	-0.14	-0.50	9.12e-04	0.0	-1.96e-05
90	28	0.01	0.16	-0.49	-9.35e-04	0.0	1.96e-05
90	29	0.01	-0.16	-0.49	9.35e-04	0.0	-1.96e-05
90	30	-0.01	0.16	-0.50	-9.35e-04	0.0	1.96e-05
90	31	-0.01	-0.16	-0.50	9.35e-04	0.0	-1.96e-05
90	32	0.01	0.16	-0.49	-9.35e-04	0.0	1.96e-05
90	33	0.01	-0.16	-0.49	9.35e-04	0.0	-1.96e-05
90	34	-0.01	0.16	-0.50	-9.35e-04	0.0	1.96e-05
90	35	-0.01	-0.16	-0.50	9.35e-04	0.0	-1.96e-05
90	36	0.04	0.04	-0.48	-2.93e-04	0.0	-6.26e-06
90	37	0.04	-0.04	-0.48	2.93e-04	0.0	6.26e-06
90	38	-0.04	0.04	-0.51	-2.93e-04	0.0	-6.26e-06
90	39	-0.04	-0.04	-0.51	2.93e-04	0.0	6.26e-06
90	40	0.04	0.05	-0.48	-3.01e-04	0.0	-6.23e-06
90	41	0.04	-0.05	-0.48	3.01e-04	0.0	6.23e-06
90	42	-0.04	0.05	-0.51	-3.01e-04	0.0	-6.23e-06
90	43	-0.04	-0.05	-0.51	3.01e-04	0.0	6.23e-06
90	44	0.04	0.04	-0.48	-2.93e-04	0.0	-6.26e-06
90	45	0.04	-0.04	-0.48	2.93e-04	0.0	6.26e-06
90	46	-0.04	0.04	-0.51	-2.93e-04	0.0	-6.26e-06
90	47	-0.04	-0.04	-0.51	2.93e-04	0.0	6.26e-06
90	48	0.04	0.05	-0.48	-3.01e-04	0.0	-6.23e-06
90	49	0.04	-0.05	-0.48	3.01e-04	0.0	6.23e-06

90	50	-0.04	0.05	-0.51	-3.01e-04	0.0	-6.23e-06
90	51	-0.04	-0.05	-0.51	3.01e-04	0.0	6.23e-06
90	52	0.01	0.15	-0.49	-9.77e-04	0.0	2.09e-05
90	53	0.01	-0.15	-0.49	9.77e-04	0.0	-2.09e-05
90	54	-0.01	0.15	-0.50	-9.77e-04	0.0	2.09e-05
90	55	-0.01	-0.15	-0.50	9.77e-04	0.0	-2.09e-05
90	56	0.01	0.15	-0.49	-9.77e-04	0.0	2.09e-05
90	57	0.01	-0.15	-0.49	9.77e-04	0.0	-2.09e-05
90	58	-0.01	0.15	-0.50	-9.77e-04	0.0	2.09e-05
90	59	-0.01	-0.15	-0.50	9.77e-04	0.0	-2.09e-05
90	60	0.01	0.17	-0.49	-1.00e-03	0.0	-2.08e-05
90	61	0.01	-0.17	-0.49	1.00e-03	0.0	2.08e-05
90	62	-0.01	0.17	-0.50	-1.00e-03	0.0	-2.08e-05
90	63	-0.01	-0.17	-0.50	1.00e-03	0.0	2.08e-05
90	64	0.01	0.17	-0.49	-1.00e-03	0.0	-2.08e-05
90	65	0.01	-0.17	-0.49	1.00e-03	0.0	2.08e-05
90	66	-0.01	0.17	-0.50	-1.00e-03	0.0	-2.08e-05
90	67	-0.01	-0.17	-0.50	1.00e-03	0.0	2.08e-05
90	68	-7.80e-05	0.06	-0.49	-4.36e-04	0.0	0.0
90	69	-7.80e-05	0.0	-0.49	0.0	0.0	0.0
90	70	-7.80e-05	0.0	-0.49	0.0	0.0	0.0
91	1	-8.98e-05	0.47	-0.64	-3.27e-03	0.0	0.0
91	2	-6.90e-05	0.47	-0.49	-3.27e-03	0.0	0.0
91	3	-6.90e-05	0.31	-0.49	-2.18e-03	0.0	0.0
91	4	0.04	0.04	-0.48	-2.74e-04	0.0	5.92e-06
91	5	0.04	-0.04	-0.48	2.74e-04	0.0	-5.92e-06
91	6	-0.04	0.04	-0.50	-2.74e-04	0.0	5.92e-06
91	7	-0.04	-0.04	-0.50	2.74e-04	0.0	-5.92e-06
91	8	0.04	0.05	-0.48	-2.80e-04	0.0	-6.07e-06
91	9	0.04	-0.05	-0.48	2.80e-04	0.0	6.07e-06
91	10	-0.04	0.05	-0.50	-2.80e-04	0.0	-6.07e-06
91	11	-0.04	-0.05	-0.50	2.80e-04	0.0	6.07e-06
91	12	0.04	0.04	-0.48	-2.74e-04	0.0	5.92e-06
91	13	0.04	-0.04	-0.48	2.74e-04	0.0	-5.92e-06
91	14	-0.04	0.04	-0.50	-2.74e-04	0.0	5.92e-06
91	15	-0.04	-0.04	-0.50	2.74e-04	0.0	-5.92e-06
91	16	0.04	0.05	-0.48	-2.80e-04	0.0	-6.07e-06
91	17	0.04	-0.05	-0.48	2.80e-04	0.0	6.07e-06
91	18	-0.04	0.05	-0.50	-2.80e-04	0.0	-6.07e-06
91	19	-0.04	-0.05	-0.50	2.80e-04	0.0	6.07e-06
91	20	0.01	0.14	-0.49	-9.13e-04	0.0	1.97e-05
91	21	0.01	-0.14	-0.49	9.13e-04	0.0	-1.97e-05
91	22	-0.01	0.14	-0.50	-9.13e-04	0.0	1.97e-05
91	23	-0.01	-0.14	-0.50	9.13e-04	0.0	-1.97e-05
91	24	0.01	0.14	-0.49	-9.13e-04	0.0	1.97e-05
91	25	0.01	-0.14	-0.49	9.13e-04	0.0	-1.97e-05
91	26	-0.01	0.14	-0.50	-9.13e-04	0.0	1.97e-05
91	27	-0.01	-0.14	-0.50	9.13e-04	0.0	-1.97e-05
91	28	0.01	0.16	-0.49	-9.34e-04	0.0	-2.02e-05
91	29	0.01	-0.16	-0.49	9.34e-04	0.0	2.02e-05
91	30	-0.01	0.16	-0.50	-9.34e-04	0.0	-2.02e-05
91	31	-0.01	-0.16	-0.50	9.34e-04	0.0	2.02e-05
91	32	0.01	0.16	-0.49	-9.34e-04	0.0	-2.02e-05
91	33	0.01	-0.16	-0.49	9.34e-04	0.0	2.02e-05
91	34	-0.01	0.16	-0.50	-9.34e-04	0.0	-2.02e-05
91	35	-0.01	-0.16	-0.50	9.34e-04	0.0	2.02e-05
91	36	0.04	0.04	-0.48	-2.93e-04	0.0	6.31e-06
91	37	0.04	-0.04	-0.48	2.93e-04	0.0	-6.31e-06
91	38	-0.04	0.04	-0.50	-2.93e-04	0.0	6.31e-06
91	39	-0.04	-0.04	-0.50	2.93e-04	0.0	-6.31e-06
91	40	0.04	0.05	-0.48	-3.00e-04	0.0	-6.45e-06
91	41	0.04	-0.05	-0.48	3.00e-04	0.0	6.45e-06
91	42	-0.04	0.05	-0.50	-3.00e-04	0.0	-6.45e-06
91	43	-0.04	-0.05	-0.50	3.00e-04	0.0	6.45e-06
91	44	0.04	0.04	-0.48	-2.93e-04	0.0	6.31e-06
91	45	0.04	-0.04	-0.48	2.93e-04	0.0	-6.31e-06
91	46	-0.04	0.04	-0.50	-2.93e-04	0.0	6.31e-06
91	47	-0.04	-0.04	-0.50	2.93e-04	0.0	-6.31e-06
91	48	0.04	0.05	-0.48	-3.00e-04	0.0	-6.45e-06
91	49	0.04	-0.05	-0.48	3.00e-04	0.0	6.45e-06
91	50	-0.04	0.05	-0.50	-3.00e-04	0.0	-6.45e-06
91	51	-0.04	-0.05	-0.50	3.00e-04	0.0	6.45e-06
91	52	0.01	0.15	-0.49	-9.78e-04	0.0	2.10e-05
91	53	0.01	-0.15	-0.49	9.78e-04	0.0	-2.10e-05
91	54	-0.01	0.15	-0.50	-9.78e-04	0.0	2.10e-05

91	55	-0.01	-0.15	-0.50	9.78e-04	0.0	-2.10e-05
91	56	0.01	0.15	-0.49	-9.78e-04	0.0	2.10e-05
91	57	0.01	-0.15	-0.49	9.78e-04	0.0	-2.10e-05
91	58	-0.01	0.15	-0.50	-9.78e-04	0.0	2.10e-05
91	59	-0.01	-0.15	-0.50	9.78e-04	0.0	-2.10e-05
91	60	0.01	0.17	-0.49	-1.00e-03	0.0	-2.15e-05
91	61	0.01	-0.17	-0.49	1.00e-03	0.0	2.15e-05
91	62	-0.01	0.17	-0.50	-1.00e-03	0.0	-2.15e-05
91	63	-0.01	-0.17	-0.50	1.00e-03	0.0	2.15e-05
91	64	0.01	0.17	-0.49	-1.00e-03	0.0	-2.15e-05
91	65	0.01	-0.17	-0.49	1.00e-03	0.0	2.15e-05
91	66	-0.01	0.17	-0.50	-1.00e-03	0.0	-2.15e-05
91	67	-0.01	-0.17	-0.50	1.00e-03	0.0	2.15e-05
91	68	-6.90e-05	0.06	-0.49	-4.36e-04	0.0	0.0
91	69	-6.90e-05	0.0	-0.49	0.0	0.0	0.0
91	70	-6.90e-05	0.0	-0.49	0.0	0.0	0.0
92	1	-7.90e-05	0.47	-0.64	-3.27e-03	0.0	-2.99e-06
92	2	-6.07e-05	0.47	-0.49	-3.27e-03	0.0	-2.99e-06
92	3	-6.07e-05	0.31	-0.49	-2.18e-03	0.0	-1.99e-06
92	4	0.04	0.04	-0.48	-2.74e-04	0.0	5.95e-06
92	5	0.04	-0.04	-0.48	2.74e-04	0.0	-5.95e-06
92	6	-0.04	0.04	-0.50	-2.74e-04	0.0	5.95e-06
92	7	-0.04	-0.04	-0.50	2.74e-04	0.0	-5.95e-06
92	8	0.04	0.05	-0.48	-2.80e-04	0.0	-6.26e-06
92	9	0.04	-0.05	-0.48	2.80e-04	0.0	6.26e-06
92	10	-0.04	0.05	-0.50	-2.80e-04	0.0	-6.26e-06
92	11	-0.04	-0.05	-0.50	2.80e-04	0.0	6.26e-06
92	12	0.04	0.04	-0.48	-2.74e-04	0.0	5.95e-06
92	13	0.04	-0.04	-0.48	2.74e-04	0.0	-5.95e-06
92	14	-0.04	0.04	-0.50	-2.74e-04	0.0	5.95e-06
92	15	-0.04	-0.04	-0.50	2.74e-04	0.0	-5.95e-06
92	16	0.04	0.05	-0.48	-2.80e-04	0.0	-6.26e-06
92	17	0.04	-0.05	-0.48	2.80e-04	0.0	6.26e-06
92	18	-0.04	0.05	-0.50	-2.80e-04	0.0	-6.26e-06
92	19	-0.04	-0.05	-0.50	2.80e-04	0.0	6.26e-06
92	20	0.01	0.14	-0.49	-9.14e-04	0.0	1.98e-05
92	21	0.01	-0.14	-0.49	9.14e-04	0.0	-1.98e-05
92	22	-0.01	0.14	-0.50	-9.14e-04	0.0	1.98e-05
92	23	-0.01	-0.14	-0.50	9.14e-04	0.0	-1.98e-05
92	24	0.01	0.14	-0.49	-9.14e-04	0.0	1.98e-05
92	25	0.01	-0.14	-0.49	9.14e-04	0.0	-1.98e-05
92	26	-0.01	0.14	-0.50	-9.14e-04	0.0	1.98e-05
92	27	-0.01	-0.14	-0.50	9.14e-04	0.0	-1.98e-05
92	28	0.01	0.16	-0.49	-9.32e-04	0.0	-2.09e-05
92	29	0.01	-0.16	-0.49	9.32e-04	0.0	2.09e-05
92	30	-0.01	0.16	-0.50	-9.32e-04	0.0	-2.09e-05
92	31	-0.01	-0.16	-0.50	9.32e-04	0.0	2.09e-05
92	32	0.01	0.16	-0.49	-9.32e-04	0.0	-2.09e-05
92	33	0.01	-0.16	-0.49	9.32e-04	0.0	2.09e-05
92	34	-0.01	0.16	-0.50	-9.32e-04	0.0	-2.09e-05
92	35	-0.01	-0.16	-0.50	9.32e-04	0.0	2.09e-05
92	36	0.04	0.05	-0.48	-2.94e-04	0.0	6.35e-06
92	37	0.04	-0.05	-0.48	2.94e-04	0.0	-6.35e-06
92	38	-0.04	0.05	-0.50	-2.94e-04	0.0	6.35e-06
92	39	-0.04	-0.05	-0.50	2.94e-04	0.0	-6.35e-06
92	40	0.04	0.05	-0.48	-3.00e-04	0.0	-6.66e-06
92	41	0.04	-0.05	-0.48	3.00e-04	0.0	6.66e-06
92	42	-0.04	0.05	-0.50	-3.00e-04	0.0	-6.66e-06
92	43	-0.04	-0.05	-0.50	3.00e-04	0.0	6.66e-06
92	44	0.04	0.05	-0.48	-2.94e-04	0.0	6.35e-06
92	45	0.04	-0.05	-0.48	2.94e-04	0.0	-6.35e-06
92	46	-0.04	0.05	-0.50	-2.94e-04	0.0	6.35e-06
92	47	-0.04	-0.05	-0.50	2.94e-04	0.0	-6.35e-06
92	49	0.04	-0.05	-0.48	3.00e-04	0.0	6.66e-06
92	50	-0.04	0.05	-0.50	-3.00e-04	0.0	-6.66e-06
92	51	-0.04	-0.05	-0.50	3.00e-04	0.0	6.66e-06
92	52	0.01	0.15	-0.49	-9.79e-04	0.0	2.12e-05
92	53	0.01	-0.15	-0.49	9.79e-04	0.0	-2.12e-05
92	54	-0.01	0.15	-0.49	-9.79e-04	0.0	2.12e-05
92	55	-0.01	-0.15	-0.49	9.79e-04	0.0	-2.12e-05
92	56	0.01	0.15	-0.49	-9.79e-04	0.0	2.12e-05
92	57	0.01	-0.15	-0.49	9.79e-04	0.0	-2.12e-05
92	58	-0.01	0.15	-0.49	-9.79e-04	0.0	2.12e-05
92	59	-0.01	-0.15	-0.49	9.79e-04	0.0	-2.12e-05
92	60	0.01	0.17	-0.49	-9.99e-04	0.0	-2.22e-05

92	61	0.01	-0.17	-0.49	9.99e-04	0.0	2.22e-05
92	62	-0.01	0.17	-0.49	-9.99e-04	0.0	-2.22e-05
92	63	-0.01	-0.17	-0.49	9.99e-04	0.0	2.22e-05
92	64	0.01	0.17	-0.49	-9.99e-04	0.0	-2.22e-05
92	65	0.01	-0.17	-0.49	9.99e-04	0.0	2.22e-05
92	66	-0.01	0.17	-0.49	-9.99e-04	0.0	-2.22e-05
92	67	-0.01	-0.17	-0.49	9.99e-04	0.0	2.22e-05
92	68	-6.07e-05	0.06	-0.49	-4.36e-04	0.0	0.0
92	69	-6.07e-05	0.0	-0.49	0.0	0.0	0.0
92	70	-6.07e-05	0.0	-0.49	0.0	0.0	0.0
93	1	-6.01e-05	0.47	-0.64	-3.26e-03	0.0	0.0
93	2	-4.62e-05	0.47	-0.49	-3.26e-03	0.0	0.0
93	3	-4.62e-05	0.31	-0.49	-2.18e-03	0.0	0.0
93	4	0.04	0.04	-0.48	-2.75e-04	0.0	6.13e-06
93	5	0.04	-0.04	-0.48	2.75e-04	0.0	-6.13e-06
93	6	-0.04	0.04	-0.50	-2.75e-04	0.0	6.13e-06
93	7	-0.04	-0.04	-0.50	2.75e-04	0.0	-6.13e-06
93	8	0.04	0.05	-0.48	-2.79e-04	0.0	-6.23e-06
93	9	0.04	-0.05	-0.48	2.79e-04	0.0	6.23e-06
93	10	-0.04	0.05	-0.50	-2.79e-04	0.0	-6.23e-06
93	11	-0.04	-0.05	-0.50	2.79e-04	0.0	6.23e-06
93	12	0.04	0.04	-0.48	-2.75e-04	0.0	6.13e-06
93	13	0.04	-0.04	-0.48	2.75e-04	0.0	-6.13e-06
93	14	-0.04	0.04	-0.50	-2.75e-04	0.0	6.13e-06
93	15	-0.04	-0.04	-0.50	2.75e-04	0.0	-6.13e-06
93	16	0.04	0.05	-0.48	-2.79e-04	0.0	-6.23e-06
93	17	0.04	-0.05	-0.48	2.79e-04	0.0	6.23e-06
93	18	-0.04	0.05	-0.50	-2.79e-04	0.0	-6.23e-06
93	19	-0.04	-0.05	-0.50	2.79e-04	0.0	6.23e-06
93	20	0.01	0.14	-0.49	-9.15e-04	0.0	2.04e-05
93	21	0.01	-0.14	-0.49	9.15e-04	0.0	-2.04e-05
93	22	-0.01	0.14	-0.49	-9.15e-04	0.0	2.04e-05
93	23	-0.01	-0.14	-0.49	9.15e-04	0.0	-2.04e-05
93	24	0.01	0.14	-0.49	-9.15e-04	0.0	2.04e-05
93	25	0.01	-0.14	-0.49	9.15e-04	0.0	-2.04e-05
93	26	-0.01	0.14	-0.49	-9.15e-04	0.0	2.04e-05
93	27	-0.01	-0.14	-0.49	9.15e-04	0.0	-2.04e-05
93	28	0.01	0.15	-0.49	-9.30e-04	0.0	-2.08e-05
93	29	0.01	-0.15	-0.49	9.30e-04	0.0	2.08e-05
93	30	-0.01	0.15	-0.49	-9.30e-04	0.0	-2.08e-05
93	31	-0.01	-0.15	-0.49	9.30e-04	0.0	2.08e-05
93	32	0.01	0.15	-0.49	-9.30e-04	0.0	-2.08e-05
93	33	0.01	-0.15	-0.49	9.30e-04	0.0	2.08e-05
93	34	-0.01	0.15	-0.49	-9.30e-04	0.0	-2.08e-05
93	35	-0.01	-0.15	-0.49	9.30e-04	0.0	2.08e-05
93	36	0.04	0.05	-0.48	-2.94e-04	0.0	6.53e-06
93	37	0.04	-0.05	-0.48	2.94e-04	0.0	-6.53e-06
93	38	-0.04	0.05	-0.50	-2.94e-04	0.0	6.53e-06
93	39	-0.04	-0.05	-0.50	2.94e-04	0.0	-6.53e-06
93	40	0.04	0.05	-0.48	-2.99e-04	0.0	6.62e-06
93	41	0.04	-0.05	-0.48	2.99e-04	0.0	-6.62e-06
93	42	-0.04	0.05	-0.50	-2.99e-04	0.0	6.62e-06
93	43	-0.04	-0.05	-0.50	2.99e-04	0.0	-6.62e-06
93	44	0.04	0.05	-0.48	-2.94e-04	0.0	6.53e-06
93	45	0.04	-0.05	-0.48	2.94e-04	0.0	-6.53e-06
93	46	-0.04	0.05	-0.50	-2.94e-04	0.0	6.53e-06
93	47	-0.04	-0.05	-0.50	2.94e-04	0.0	-6.53e-06
93	48	0.04	0.05	-0.48	-2.99e-04	0.0	6.62e-06
93	49	0.04	-0.05	-0.48	2.99e-04	0.0	-6.62e-06
93	50	-0.04	0.05	-0.50	-2.99e-04	0.0	6.62e-06
93	51	-0.04	-0.05	-0.50	2.99e-04	0.0	-6.62e-06
93	52	0.01	0.15	-0.49	-9.81e-04	0.0	2.18e-05
93	53	0.01	-0.15	-0.49	9.81e-04	0.0	-2.18e-05
93	54	-0.01	0.15	-0.49	-9.81e-04	0.0	2.18e-05
93	55	-0.01	-0.15	-0.49	9.81e-04	0.0	-2.18e-05
93	56	0.01	0.15	-0.49	-9.81e-04	0.0	2.18e-05
93	57	0.01	-0.15	-0.49	9.81e-04	0.0	-2.18e-05
93	58	-0.01	0.15	-0.49	-9.81e-04	0.0	2.18e-05
93	59	-0.01	-0.15	-0.49	9.81e-04	0.0	-2.18e-05
93	60	0.01	0.16	-0.49	-9.97e-04	0.0	-2.21e-05
93	61	0.01	-0.16	-0.49	9.97e-04	0.0	2.21e-05
93	62	-0.01	0.16	-0.49	-9.97e-04	0.0	-2.21e-05
93	63	-0.01	-0.16	-0.49	9.97e-04	0.0	2.21e-05
93	64	0.01	0.16	-0.49	-9.97e-04	0.0	-2.21e-05
93	65	0.01	-0.16	-0.49	9.97e-04	0.0	2.21e-05

93	66	-0.01	0.16	-0.49	-9.97e-04	0.0	-2.21e-05
93	67	-0.01	-0.16	-0.49	9.97e-04	0.0	2.21e-05
93	68	-4.62e-05	0.06	-0.49	-4.35e-04	0.0	0.0
93	69	-4.62e-05	0.0	-0.49	0.0	0.0	0.0
93	70	-4.62e-05	0.0	-0.49	0.0	0.0	0.0
94	1	-4.11e-05	0.47	-0.64	-3.27e-03	0.0	3.90e-06
94	2	-3.16e-05	0.47	-0.49	-3.27e-03	0.0	3.90e-06
94	3	-3.16e-05	0.31	-0.49	-2.18e-03	0.0	2.60e-06
94	4	0.04	0.04	-0.49	-2.75e-04	0.0	6.28e-06
94	5	0.04	-0.04	-0.49	2.75e-04	0.0	-6.28e-06
94	6	-0.04	0.04	-0.50	-2.75e-04	0.0	6.28e-06
94	7	-0.04	-0.04	-0.50	2.75e-04	0.0	-6.28e-06
94	8	0.04	0.05	-0.49	-2.79e-04	0.0	-6.18e-06
94	9	0.04	-0.05	-0.49	2.79e-04	0.0	6.18e-06
94	10	-0.04	0.05	-0.50	-2.79e-04	0.0	-6.18e-06
94	11	-0.04	-0.05	-0.50	2.79e-04	0.0	6.18e-06
94	12	0.04	0.04	-0.49	-2.75e-04	0.0	6.28e-06
94	13	0.04	-0.04	-0.49	2.75e-04	0.0	-6.28e-06
94	14	-0.04	0.04	-0.50	-2.75e-04	0.0	6.28e-06
94	15	-0.04	-0.04	-0.50	2.75e-04	0.0	-6.28e-06
94	16	0.04	0.05	-0.49	-2.79e-04	0.0	-6.18e-06
94	17	0.04	-0.05	-0.49	2.79e-04	0.0	6.18e-06
94	18	-0.04	0.05	-0.50	-2.79e-04	0.0	-6.18e-06
94	19	-0.04	-0.05	-0.50	2.79e-04	0.0	6.18e-06
94	20	0.01	0.14	-0.49	-9.17e-04	0.0	2.09e-05
94	21	0.01	-0.14	-0.49	9.17e-04	0.0	-2.09e-05
94	22	-0.01	0.14	-0.49	-9.17e-04	0.0	2.09e-05
94	23	-0.01	-0.14	-0.49	9.17e-04	0.0	-2.09e-05
94	24	0.01	0.14	-0.49	-9.17e-04	0.0	2.09e-05
94	25	0.01	-0.14	-0.49	9.17e-04	0.0	-2.09e-05
94	26	-0.01	0.14	-0.49	-9.17e-04	0.0	2.09e-05
94	27	-0.01	-0.14	-0.49	9.17e-04	0.0	-2.09e-05
94	28	0.01	0.15	-0.49	-9.29e-04	0.0	2.06e-05
94	29	0.01	-0.15	-0.49	9.29e-04	0.0	-2.06e-05
94	30	-0.01	0.15	-0.49	-9.29e-04	0.0	2.06e-05
94	31	-0.01	-0.15	-0.49	9.29e-04	0.0	-2.06e-05
94	32	0.01	0.15	-0.49	-9.29e-04	0.0	2.06e-05
94	33	0.01	-0.15	-0.49	9.29e-04	0.0	-2.06e-05
94	34	-0.01	0.15	-0.49	-9.29e-04	0.0	2.06e-05
94	35	-0.01	-0.15	-0.49	9.29e-04	0.0	-2.06e-05
94	36	0.04	0.05	-0.49	-2.95e-04	0.0	6.69e-06
94	37	0.04	-0.05	-0.49	2.95e-04	0.0	-6.69e-06
94	38	-0.04	0.05	-0.50	-2.95e-04	0.0	6.69e-06
94	39	-0.04	-0.05	-0.50	2.95e-04	0.0	-6.69e-06
94	40	0.04	0.05	-0.49	-2.99e-04	0.0	6.57e-06
94	41	0.04	-0.05	-0.49	2.99e-04	0.0	-6.57e-06
94	42	-0.04	0.05	-0.50	-2.99e-04	0.0	6.57e-06
94	43	-0.04	-0.05	-0.50	2.99e-04	0.0	-6.57e-06
94	44	0.04	0.05	-0.49	-2.95e-04	0.0	6.69e-06
94	45	0.04	-0.05	-0.49	2.95e-04	0.0	-6.69e-06
94	46	-0.04	0.05	-0.50	-2.95e-04	0.0	6.69e-06
94	47	-0.04	-0.05	-0.50	2.95e-04	0.0	-6.69e-06
94	48	0.04	0.05	-0.49	-2.99e-04	0.0	6.57e-06
94	49	0.04	-0.05	-0.49	2.99e-04	0.0	-6.57e-06
94	50	-0.04	0.05	-0.50	-2.99e-04	0.0	6.57e-06
94	51	-0.04	-0.05	-0.50	2.99e-04	0.0	-6.57e-06
94	52	0.01	0.15	-0.49	-9.83e-04	0.0	2.23e-05
94	53	0.01	-0.15	-0.49	9.83e-04	0.0	-2.23e-05
94	54	-0.01	0.15	-0.49	-9.83e-04	0.0	2.23e-05
94	55	-0.01	-0.15	-0.49	9.83e-04	0.0	-2.23e-05
94	56	0.01	0.15	-0.49	-9.83e-04	0.0	2.23e-05
94	57	0.01	-0.15	-0.49	9.83e-04	0.0	-2.23e-05
94	58	-0.01	0.15	-0.49	-9.83e-04	0.0	2.23e-05
94	59	-0.01	-0.15	-0.49	9.83e-04	0.0	-2.23e-05
94	60	0.01	0.16	-0.49	-9.96e-04	0.0	2.19e-05
94	61	0.01	-0.16	-0.49	9.96e-04	0.0	-2.19e-05
94	62	-0.01	0.16	-0.49	-9.96e-04	0.0	2.19e-05
94	63	-0.01	-0.16	-0.49	9.96e-04	0.0	-2.19e-05
94	64	0.01	0.16	-0.49	-9.96e-04	0.0	2.19e-05
94	65	0.01	-0.16	-0.49	9.96e-04	0.0	-2.19e-05
94	66	-0.01	0.16	-0.49	-9.96e-04	0.0	2.19e-05
94	67	-0.01	-0.16	-0.49	9.96e-04	0.0	-2.19e-05
94	68	-3.16e-05	0.06	-0.49	-4.36e-04	0.0	0.0
94	69	-3.16e-05	0.0	-0.49	0.0	0.0	0.0
94	70	-3.16e-05	0.0	-0.49	0.0	0.0	0.0

95	1	-2.98e-05	0.47	-0.64	-3.27e-03	0.0	0.0
95	2	-2.29e-05	0.47	-0.49	-3.27e-03	0.0	0.0
95	3	-2.29e-05	0.31	-0.49	-2.18e-03	0.0	0.0
95	4	0.04	0.04	-0.49	-2.76e-04	0.0	6.25e-06
95	5	0.04	-0.04	-0.49	2.76e-04	0.0	-6.25e-06
95	6	-0.04	0.04	-0.50	-2.76e-04	0.0	6.25e-06
95	7	-0.04	-0.04	-0.50	2.76e-04	0.0	-6.25e-06
95	8	0.04	0.05	-0.49	-2.78e-04	0.0	-6.31e-06
95	9	0.04	-0.05	-0.49	2.78e-04	0.0	6.31e-06
95	10	-0.04	0.05	-0.50	-2.78e-04	0.0	-6.31e-06
95	11	-0.04	-0.05	-0.50	2.78e-04	0.0	6.31e-06
95	12	0.04	0.04	-0.49	-2.76e-04	0.0	6.25e-06
95	13	0.04	-0.04	-0.49	2.76e-04	0.0	-6.25e-06
95	14	-0.04	0.04	-0.50	-2.76e-04	0.0	6.25e-06
95	15	-0.04	-0.04	-0.50	2.76e-04	0.0	-6.25e-06
95	16	0.04	0.05	-0.49	-2.78e-04	0.0	-6.31e-06
95	17	0.04	-0.05	-0.49	2.78e-04	0.0	6.31e-06
95	18	-0.04	0.05	-0.50	-2.78e-04	0.0	-6.31e-06
95	19	-0.04	-0.05	-0.50	2.78e-04	0.0	6.31e-06
95	20	0.01	0.14	-0.49	-9.19e-04	0.0	2.08e-05
95	21	0.01	-0.14	-0.49	9.19e-04	0.0	-2.08e-05
95	22	-0.01	0.14	-0.49	-9.19e-04	0.0	2.08e-05
95	23	-0.01	-0.14	-0.49	9.19e-04	0.0	-2.08e-05
95	24	0.01	0.14	-0.49	-9.19e-04	0.0	2.08e-05
95	25	0.01	-0.14	-0.49	9.19e-04	0.0	-2.08e-05
95	26	-0.01	0.14	-0.49	-9.19e-04	0.0	2.08e-05
95	27	-0.01	-0.14	-0.49	9.19e-04	0.0	-2.08e-05
95	28	0.01	0.15	-0.49	-9.27e-04	0.0	-2.10e-05
95	29	0.01	-0.15	-0.49	9.27e-04	0.0	2.10e-05
95	30	-0.01	0.15	-0.49	-9.27e-04	0.0	-2.10e-05
95	31	-0.01	-0.15	-0.49	9.27e-04	0.0	2.10e-05
95	32	0.01	0.15	-0.49	-9.27e-04	0.0	-2.10e-05
95	33	0.01	-0.15	-0.49	9.27e-04	0.0	2.10e-05
95	34	-0.01	0.15	-0.49	-9.27e-04	0.0	-2.10e-05
95	35	-0.01	-0.15	-0.49	9.27e-04	0.0	2.10e-05
95	36	0.04	0.05	-0.49	-2.96e-04	0.0	6.66e-06
95	37	0.04	-0.05	-0.49	2.96e-04	0.0	-6.66e-06
95	38	-0.04	0.05	-0.50	-2.96e-04	0.0	6.66e-06
95	39	-0.04	-0.05	-0.50	2.96e-04	0.0	-6.66e-06
95	40	0.04	0.05	-0.49	-2.98e-04	0.0	6.71e-06
95	41	0.04	-0.05	-0.49	2.98e-04	0.0	-6.71e-06
95	42	-0.04	0.05	-0.50	-2.98e-04	0.0	6.71e-06
95	43	-0.04	-0.05	-0.50	2.98e-04	0.0	-6.71e-06
95	44	0.04	0.05	-0.49	-2.96e-04	0.0	6.66e-06
95	45	0.04	-0.05	-0.49	2.96e-04	0.0	-6.66e-06
95	46	-0.04	0.05	-0.50	-2.96e-04	0.0	6.66e-06
95	47	-0.04	-0.05	-0.50	2.96e-04	0.0	-6.66e-06
95	48	0.04	0.05	-0.49	-2.98e-04	0.0	6.71e-06
95	49	0.04	-0.05	-0.49	2.98e-04	0.0	-6.71e-06
95	50	-0.04	0.05	-0.50	-2.98e-04	0.0	6.71e-06
95	51	-0.04	-0.05	-0.50	2.98e-04	0.0	-6.71e-06
95	52	0.01	0.16	-0.49	-9.85e-04	0.0	2.22e-05
95	53	0.01	-0.16	-0.49	9.85e-04	0.0	-2.22e-05
95	54	-0.01	0.16	-0.49	-9.85e-04	0.0	2.22e-05
95	55	-0.01	-0.16	-0.49	9.85e-04	0.0	-2.22e-05
95	56	0.01	0.16	-0.49	-9.85e-04	0.0	2.22e-05
95	57	0.01	-0.16	-0.49	9.85e-04	0.0	-2.22e-05
95	58	-0.01	0.16	-0.49	-9.85e-04	0.0	2.22e-05
95	59	-0.01	-0.16	-0.49	9.85e-04	0.0	-2.22e-05
95	61	0.01	-0.16	-0.49	9.94e-04	0.0	2.24e-05
95	62	-0.01	0.16	-0.49	-9.94e-04	0.0	-2.24e-05
95	63	-0.01	-0.16	-0.49	9.94e-04	0.0	2.24e-05
95	64	0.01	0.16	-0.49	-9.94e-04	0.0	-2.24e-05
95	65	0.01	-0.16	-0.49	9.94e-04	0.0	2.24e-05
95	66	-0.01	0.16	-0.49	-9.94e-04	0.0	-2.24e-05
95	67	-0.01	-0.16	-0.49	9.94e-04	0.0	2.24e-05
95	68	-2.29e-05	0.06	-0.49	-4.37e-04	0.0	0.0
95	69	-2.29e-05	0.0	-0.49	0.0	0.0	0.0
95	70	-2.29e-05	0.0	-0.49	0.0	0.0	0.0
96	1	-1.88e-05	0.47	-0.64	-3.27e-03	0.0	-3.36e-06
96	2	-1.45e-05	0.47	-0.49	-3.27e-03	0.0	-3.36e-06
96	3	-1.45e-05	0.31	-0.49	-2.18e-03	0.0	-2.24e-06
96	4	0.04	0.04	-0.49	-2.76e-04	0.0	6.21e-06
96	5	0.04	-0.04	-0.49	2.76e-04	0.0	-6.21e-06
96	6	-0.04	0.04	-0.49	-2.76e-04	0.0	6.21e-06

96	7	-0.04	-0.04	-0.49	2.76e-04	0.0	-6.21e-06
96	8	0.04	0.04	-0.49	-2.78e-04	0.0	-6.42e-06
96	9	0.04	-0.04	-0.49	2.78e-04	0.0	6.42e-06
96	10	-0.04	0.04	-0.49	-2.78e-04	0.0	-6.42e-06
96	11	-0.04	-0.04	-0.49	2.78e-04	0.0	6.42e-06
96	12	0.04	0.04	-0.49	-2.76e-04	0.0	6.21e-06
96	13	0.04	-0.04	-0.49	2.76e-04	0.0	-6.21e-06
96	14	-0.04	0.04	-0.49	-2.76e-04	0.0	6.21e-06
96	15	-0.04	-0.04	-0.49	2.76e-04	0.0	-6.21e-06
96	16	0.04	0.04	-0.49	-2.78e-04	0.0	-6.42e-06
96	17	0.04	-0.04	-0.49	2.78e-04	0.0	6.42e-06
96	18	-0.04	0.04	-0.49	-2.78e-04	0.0	-6.42e-06
96	19	-0.04	-0.04	-0.49	2.78e-04	0.0	6.42e-06
96	20	0.01	0.15	-0.49	-9.21e-04	0.0	2.07e-05
96	21	0.01	-0.15	-0.49	9.21e-04	0.0	-2.07e-05
96	22	-0.01	0.15	-0.49	-9.21e-04	0.0	2.07e-05
96	23	-0.01	-0.15	-0.49	9.21e-04	0.0	-2.07e-05
96	24	0.01	0.15	-0.49	-9.21e-04	0.0	2.07e-05
96	25	0.01	-0.15	-0.49	9.21e-04	0.0	-2.07e-05
96	26	-0.01	0.15	-0.49	-9.21e-04	0.0	2.07e-05
96	27	-0.01	-0.15	-0.49	9.21e-04	0.0	-2.07e-05
96	28	0.01	0.15	-0.49	-9.25e-04	0.0	-2.14e-05
96	29	0.01	-0.15	-0.49	9.25e-04	0.0	2.14e-05
96	30	-0.01	0.15	-0.49	-9.25e-04	0.0	-2.14e-05
96	31	-0.01	-0.15	-0.49	9.25e-04	0.0	2.14e-05
96	32	0.01	0.15	-0.49	-9.25e-04	0.0	-2.14e-05
96	33	0.01	-0.15	-0.49	9.25e-04	0.0	2.14e-05
96	34	-0.01	0.15	-0.49	-9.25e-04	0.0	-2.14e-05
96	35	-0.01	-0.15	-0.49	9.25e-04	0.0	2.14e-05
96	36	0.04	0.05	-0.49	-2.96e-04	0.0	6.61e-06
96	37	0.04	-0.05	-0.49	2.96e-04	0.0	-6.61e-06
96	38	-0.04	0.05	-0.49	-2.96e-04	0.0	6.61e-06
96	39	-0.04	-0.05	-0.49	2.96e-04	0.0	-6.61e-06
96	40	0.04	0.05	-0.49	-2.97e-04	0.0	-6.84e-06
96	41	0.04	-0.05	-0.49	2.97e-04	0.0	6.84e-06
96	42	-0.04	0.05	-0.49	-2.97e-04	0.0	-6.84e-06
96	43	-0.04	-0.05	-0.49	2.97e-04	0.0	6.84e-06
96	44	0.04	0.05	-0.49	-2.96e-04	0.0	6.61e-06
96	45	0.04	-0.05	-0.49	2.96e-04	0.0	-6.61e-06
96	46	-0.04	0.05	-0.49	-2.96e-04	0.0	6.61e-06
96	47	-0.04	-0.05	-0.49	2.96e-04	0.0	-6.61e-06
96	48	0.04	0.05	-0.49	-2.97e-04	0.0	-6.84e-06
96	49	0.04	-0.05	-0.49	2.97e-04	0.0	6.84e-06
96	50	-0.04	0.05	-0.49	-2.97e-04	0.0	-6.84e-06
96	51	-0.04	-0.05	-0.49	2.97e-04	0.0	6.84e-06
96	52	0.01	0.16	-0.49	-9.87e-04	0.0	2.20e-05
96	53	0.01	-0.16	-0.49	9.87e-04	0.0	-2.20e-05
96	54	-0.01	0.16	-0.49	-9.87e-04	0.0	2.20e-05
96	55	-0.01	-0.16	-0.49	9.87e-04	0.0	-2.20e-05
96	56	0.01	0.16	-0.49	-9.87e-04	0.0	2.20e-05
96	57	0.01	-0.16	-0.49	9.87e-04	0.0	-2.20e-05
96	58	-0.01	0.16	-0.49	-9.87e-04	0.0	2.20e-05
96	59	-0.01	-0.16	-0.49	9.87e-04	0.0	-2.20e-05
96	60	0.01	0.16	-0.49	-9.91e-04	0.0	2.28e-05
96	61	0.01	-0.16	-0.49	9.91e-04	0.0	-2.28e-05
96	62	-0.01	0.16	-0.49	-9.91e-04	0.0	2.28e-05
96	63	-0.01	-0.16	-0.49	9.91e-04	0.0	-2.28e-05
96	64	0.01	0.16	-0.49	-9.91e-04	0.0	2.28e-05
96	65	0.01	-0.16	-0.49	9.91e-04	0.0	-2.28e-05
96	66	-0.01	0.16	-0.49	-9.91e-04	0.0	2.28e-05
96	67	-0.01	-0.16	-0.49	9.91e-04	0.0	-2.28e-05
96	68	-1.45e-05	0.06	-0.49	-4.36e-04	0.0	0.0
96	69	-1.45e-05	0.0	-0.49	0.0	0.0	0.0
96	70	-1.45e-05	0.0	-0.49	0.0	0.0	0.0
97	1	0.0	0.47	-0.64	-3.26e-03	0.0	0.0
97	2	0.0	0.47	-0.49	-3.26e-03	0.0	0.0
97	3	0.0	0.31	-0.49	-2.18e-03	0.0	0.0
97	4	0.04	0.04	-0.49	-2.77e-04	0.0	6.33e-06
97	5	0.04	-0.04	-0.49	2.77e-04	0.0	-6.33e-06
97	6	-0.04	0.04	-0.49	-2.77e-04	0.0	6.33e-06
97	7	-0.04	-0.04	-0.49	2.77e-04	0.0	-6.33e-06
97	8	0.04	0.04	-0.49	-2.77e-04	0.0	6.33e-06
97	9	0.04	-0.04	-0.49	2.77e-04	0.0	-6.33e-06
97	10	-0.04	0.04	-0.49	-2.77e-04	0.0	6.33e-06
97	11	-0.04	-0.04	-0.49	2.77e-04	0.0	-6.33e-06

97	12	0.04	0.04	-0.49	-2.77e-04	0.0	6.33e-06
97	13	0.04	-0.04	-0.49	2.77e-04	0.0	-6.33e-06
97	14	-0.04	0.04	-0.49	-2.77e-04	0.0	6.33e-06
97	15	-0.04	-0.04	-0.49	2.77e-04	0.0	-6.33e-06
97	16	0.04	0.04	-0.49	-2.77e-04	0.0	-6.33e-06
97	17	0.04	-0.04	-0.49	2.77e-04	0.0	6.33e-06
97	18	-0.04	0.04	-0.49	-2.77e-04	0.0	-6.33e-06
97	19	-0.04	-0.04	-0.49	2.77e-04	0.0	6.33e-06
97	20	0.01	0.15	-0.49	-9.23e-04	0.0	2.11e-05
97	21	0.01	-0.15	-0.49	9.23e-04	0.0	-2.11e-05
97	22	-0.01	0.15	-0.49	-9.23e-04	0.0	2.11e-05
97	23	-0.01	-0.15	-0.49	9.23e-04	0.0	-2.11e-05
97	24	0.01	0.15	-0.49	-9.23e-04	0.0	2.11e-05
97	25	0.01	-0.15	-0.49	9.23e-04	0.0	-2.11e-05
97	26	-0.01	0.15	-0.49	-9.23e-04	0.0	2.11e-05
97	27	-0.01	-0.15	-0.49	9.23e-04	0.0	-2.11e-05
97	28	0.01	0.15	-0.49	-9.23e-04	0.0	-2.11e-05
97	29	0.01	-0.15	-0.49	9.23e-04	0.0	2.11e-05
97	30	-0.01	0.15	-0.49	-9.23e-04	0.0	-2.11e-05
97	31	-0.01	-0.15	-0.49	9.23e-04	0.0	2.11e-05
97	32	0.01	0.15	-0.49	-9.23e-04	0.0	-2.11e-05
97	33	0.01	-0.15	-0.49	9.23e-04	0.0	2.11e-05
97	34	-0.01	0.15	-0.49	-9.23e-04	0.0	-2.11e-05
97	35	-0.01	-0.15	-0.49	9.23e-04	0.0	2.11e-05
97	36	0.04	0.05	-0.49	-2.97e-04	0.0	6.74e-06
97	37	0.04	-0.05	-0.49	2.97e-04	0.0	-6.74e-06
97	38	-0.04	0.05	-0.49	-2.97e-04	0.0	6.74e-06
97	39	-0.04	-0.05	-0.49	2.97e-04	0.0	-6.74e-06
97	40	0.04	0.05	-0.49	-2.97e-04	0.0	6.74e-06
97	41	0.04	-0.05	-0.49	2.97e-04	0.0	-6.74e-06
97	42	-0.04	0.05	-0.49	-2.97e-04	0.0	6.74e-06
97	43	-0.04	-0.05	-0.49	2.97e-04	0.0	-6.74e-06
97	44	0.04	0.05	-0.49	-2.97e-04	0.0	6.74e-06
97	45	0.04	-0.05	-0.49	2.97e-04	0.0	-6.74e-06
97	46	-0.04	0.05	-0.49	-2.97e-04	0.0	6.74e-06
97	47	-0.04	-0.05	-0.49	2.97e-04	0.0	-6.74e-06
97	48	0.04	0.05	-0.49	-2.97e-04	0.0	6.74e-06
97	49	0.04	-0.05	-0.49	2.97e-04	0.0	-6.74e-06
97	50	-0.04	0.05	-0.49	-2.97e-04	0.0	6.74e-06
97	51	-0.04	-0.05	-0.49	2.97e-04	0.0	-6.74e-06
97	52	0.01	0.16	-0.49	-9.89e-04	0.0	2.25e-05
97	53	0.01	-0.16	-0.49	9.89e-04	0.0	-2.25e-05
97	54	-0.01	0.16	-0.49	-9.89e-04	0.0	2.25e-05
97	55	-0.01	-0.16	-0.49	9.89e-04	0.0	-2.25e-05
97	56	0.01	0.16	-0.49	-9.89e-04	0.0	2.25e-05
97	57	0.01	-0.16	-0.49	9.89e-04	0.0	-2.25e-05
97	58	-0.01	0.16	-0.49	-9.89e-04	0.0	2.25e-05
97	59	-0.01	-0.16	-0.49	9.89e-04	0.0	-2.25e-05
97	60	0.01	0.16	-0.49	-9.89e-04	0.0	2.25e-05
97	61	0.01	-0.16	-0.49	9.89e-04	0.0	-2.25e-05
97	62	-0.01	0.16	-0.49	-9.89e-04	0.0	2.25e-05
97	63	-0.01	-0.16	-0.49	9.89e-04	0.0	-2.25e-05
97	64	0.01	0.16	-0.49	-9.89e-04	0.0	2.25e-05
97	65	0.01	-0.16	-0.49	9.89e-04	0.0	-2.25e-05
97	66	-0.01	0.16	-0.49	-9.89e-04	0.0	2.25e-05
97	67	-0.01	-0.16	-0.49	9.89e-04	0.0	-2.25e-05
97	68	0.0	0.06	-0.49	-4.35e-04	0.0	0.0
97	69	0.0	0.0	-0.49	0.0	0.0	0.0
97	70	0.0	0.0	-0.49	0.0	0.0	0.0
98	1	1.88e-05	0.47	-0.64	-3.27e-03	0.0	3.36e-06
98	2	1.45e-05	0.47	-0.49	-3.27e-03	0.0	3.36e-06
98	3	1.45e-05	0.31	-0.49	-2.18e-03	0.0	2.24e-06
98	4	0.04	0.04	-0.49	-2.78e-04	0.0	6.42e-06
98	5	0.04	-0.04	-0.49	2.78e-04	0.0	-6.42e-06
98	6	-0.04	0.04	-0.49	-2.78e-04	0.0	6.42e-06
98	7	-0.04	-0.04	-0.49	2.78e-04	0.0	-6.42e-06
98	8	0.04	0.04	-0.49	-2.76e-04	0.0	6.21e-06
98	9	0.04	-0.04	-0.49	2.76e-04	0.0	-6.21e-06
98	10	-0.04	0.04	-0.49	-2.76e-04	0.0	6.21e-06
98	11	-0.04	-0.04	-0.49	2.76e-04	0.0	-6.21e-06
98	12	0.04	0.04	-0.49	-2.78e-04	0.0	6.42e-06
98	13	0.04	-0.04	-0.49	2.78e-04	0.0	-6.42e-06
98	14	-0.04	0.04	-0.49	-2.78e-04	0.0	6.42e-06
98	15	-0.04	-0.04	-0.49	2.78e-04	0.0	-6.42e-06
98	16	0.04	0.04	-0.49	-2.76e-04	0.0	-6.21e-06



98	17	0.04	-0.04	-0.49	2.76e-04	0.0	6.21e-06
98	18	-0.04	0.04	-0.49	-2.76e-04	0.0	-6.21e-06
98	19	-0.04	-0.04	-0.49	2.76e-04	0.0	6.21e-06
98	20	0.01	0.15	-0.49	-9.25e-04	0.0	2.14e-05
98	21	0.01	-0.15	-0.49	9.25e-04	0.0	-2.14e-05
98	22	-0.01	0.15	-0.49	-9.25e-04	0.0	2.14e-05
98	23	-0.01	-0.15	-0.49	9.25e-04	0.0	-2.14e-05
98	24	0.01	0.15	-0.49	-9.25e-04	0.0	2.14e-05
98	25	0.01	-0.15	-0.49	9.25e-04	0.0	-2.14e-05
98	26	-0.01	0.15	-0.49	-9.25e-04	0.0	2.14e-05
98	27	-0.01	-0.15	-0.49	9.25e-04	0.0	-2.14e-05
98	28	0.01	0.15	-0.49	-9.21e-04	0.0	-2.07e-05
98	29	0.01	-0.15	-0.49	9.21e-04	0.0	2.07e-05
98	30	-0.01	0.15	-0.49	-9.21e-04	0.0	-2.07e-05
98	31	-0.01	-0.15	-0.49	9.21e-04	0.0	2.07e-05
98	32	0.01	0.15	-0.49	-9.21e-04	0.0	-2.07e-05
98	33	0.01	-0.15	-0.49	9.21e-04	0.0	2.07e-05
98	34	-0.01	0.15	-0.49	-9.21e-04	0.0	-2.07e-05
98	35	-0.01	-0.15	-0.49	9.21e-04	0.0	2.07e-05
98	36	0.04	0.05	-0.49	-2.97e-04	0.0	6.84e-06
98	37	0.04	-0.05	-0.49	2.97e-04	0.0	-6.84e-06
98	38	-0.04	0.05	-0.49	-2.97e-04	0.0	6.84e-06
98	39	-0.04	-0.05	-0.49	2.97e-04	0.0	-6.84e-06
98	40	0.04	0.05	-0.49	-2.96e-04	0.0	6.61e-06
98	41	0.04	-0.05	-0.49	2.96e-04	0.0	-6.61e-06
98	42	-0.04	0.05	-0.49	-2.96e-04	0.0	6.61e-06
98	43	-0.04	-0.05	-0.49	2.96e-04	0.0	-6.61e-06
98	44	0.04	0.05	-0.49	-2.97e-04	0.0	6.84e-06
98	45	0.04	-0.05	-0.49	2.97e-04	0.0	-6.84e-06
98	46	-0.04	0.05	-0.49	-2.97e-04	0.0	6.84e-06
98	47	-0.04	-0.05	-0.49	2.97e-04	0.0	-6.84e-06
98	48	0.04	0.05	-0.49	-2.96e-04	0.0	6.61e-06
98	49	0.04	-0.05	-0.49	2.96e-04	0.0	-6.61e-06
98	50	-0.04	0.05	-0.49	-2.96e-04	0.0	6.61e-06
98	51	-0.04	-0.05	-0.49	2.96e-04	0.0	-6.61e-06
98	52	0.01	0.16	-0.49	-9.91e-04	0.0	2.28e-05
98	53	0.01	-0.16	-0.49	9.91e-04	0.0	-2.28e-05
98	54	-0.01	0.16	-0.49	-9.91e-04	0.0	2.28e-05
98	55	-0.01	-0.16	-0.49	9.91e-04	0.0	-2.28e-05
98	56	0.01	0.16	-0.49	-9.91e-04	0.0	2.28e-05
98	57	0.01	-0.16	-0.49	9.91e-04	0.0	-2.28e-05
98	58	-0.01	0.16	-0.49	-9.91e-04	0.0	2.28e-05
98	59	-0.01	-0.16	-0.49	9.91e-04	0.0	-2.28e-05
98	60	0.01	0.16	-0.49	-9.87e-04	0.0	2.20e-05
98	61	0.01	-0.16	-0.49	9.87e-04	0.0	-2.20e-05
98	62	-0.01	0.16	-0.49	-9.87e-04	0.0	2.20e-05
98	63	-0.01	-0.16	-0.49	9.87e-04	0.0	-2.20e-05
98	64	0.01	0.16	-0.49	-9.87e-04	0.0	2.20e-05
98	65	0.01	-0.16	-0.49	9.87e-04	0.0	-2.20e-05
98	66	-0.01	0.16	-0.49	-9.87e-04	0.0	2.20e-05
98	67	-0.01	-0.16	-0.49	9.87e-04	0.0	-2.20e-05
98	68	1.45e-05	0.06	-0.49	-4.36e-04	0.0	0.0
98	69	1.45e-05	0.0	-0.49	0.0	0.0	0.0
98	70	1.45e-05	0.0	-0.49	0.0	0.0	0.0
99	1	2.98e-05	0.47	-0.64	-3.27e-03	0.0	0.0
99	2	2.29e-05	0.47	-0.49	-3.27e-03	0.0	0.0
99	3	2.29e-05	0.31	-0.49	-2.18e-03	0.0	0.0
99	4	0.04	0.05	-0.50	-2.78e-04	0.0	6.31e-06
99	5	0.04	-0.05	-0.50	2.78e-04	0.0	-6.31e-06
99	6	-0.04	0.05	-0.49	-2.78e-04	0.0	6.31e-06
99	7	-0.04	-0.05	-0.49	2.78e-04	0.0	-6.31e-06
99	8	0.04	0.04	-0.50	-2.76e-04	0.0	6.25e-06
99	9	0.04	-0.04	-0.50	2.76e-04	0.0	-6.25e-06
99	10	-0.04	0.04	-0.49	-2.76e-04	0.0	6.25e-06
99	11	-0.04	-0.04	-0.49	2.76e-04	0.0	-6.25e-06
99	12	0.04	0.05	-0.50	-2.78e-04	0.0	6.31e-06
99	13	0.04	-0.05	-0.50	2.78e-04	0.0	-6.31e-06
99	14	-0.04	0.05	-0.49	-2.78e-04	0.0	6.31e-06
99	15	-0.04	-0.05	-0.49	2.78e-04	0.0	-6.31e-06
99	16	0.04	0.04	-0.50	-2.76e-04	0.0	6.25e-06
99	17	0.04	-0.04	-0.50	2.76e-04	0.0	-6.25e-06
99	18	-0.04	0.04	-0.49	-2.76e-04	0.0	6.25e-06
99	19	-0.04	-0.04	-0.49	2.76e-04	0.0	-6.25e-06
99	20	0.01	0.15	-0.49	-9.27e-04	0.0	2.10e-05
99	21	0.01	-0.15	-0.49	9.27e-04	0.0	-2.10e-05

99	22	-0.01	0.15	-0.49	-9.27e-04	0.0	2.10e-05
99	23	-0.01	-0.15	-0.49	9.27e-04	0.0	-2.10e-05
99	24	0.01	0.15	-0.49	-9.27e-04	0.0	2.10e-05
99	25	0.01	-0.15	-0.49	9.27e-04	0.0	-2.10e-05
99	26	-0.01	0.15	-0.49	-9.27e-04	0.0	2.10e-05
99	27	-0.01	-0.15	-0.49	9.27e-04	0.0	-2.10e-05
99	28	0.01	0.14	-0.49	-9.19e-04	0.0	-2.08e-05
99	29	0.01	-0.14	-0.49	9.19e-04	0.0	2.08e-05
99	30	-0.01	0.14	-0.49	-9.19e-04	0.0	-2.08e-05
99	31	-0.01	-0.14	-0.49	9.19e-04	0.0	2.08e-05
99	32	0.01	0.14	-0.49	-9.19e-04	0.0	-2.08e-05
99	33	0.01	-0.14	-0.49	9.19e-04	0.0	2.08e-05
99	34	-0.01	0.14	-0.49	-9.19e-04	0.0	-2.08e-05
99	35	-0.01	-0.14	-0.49	9.19e-04	0.0	2.08e-05
99	36	0.04	0.05	-0.50	-2.98e-04	0.0	6.71e-06
99	37	0.04	-0.05	-0.50	2.98e-04	0.0	-6.71e-06
99	38	-0.04	0.05	-0.49	-2.98e-04	0.0	6.71e-06
99	39	-0.04	-0.05	-0.49	2.98e-04	0.0	-6.71e-06
99	40	0.04	0.05	-0.50	-2.96e-04	0.0	-6.66e-06
99	41	0.04	-0.05	-0.50	2.96e-04	0.0	6.66e-06
99	42	-0.04	0.05	-0.49	-2.96e-04	0.0	-6.66e-06
99	43	-0.04	-0.05	-0.49	2.96e-04	0.0	6.66e-06
99	44	0.04	0.05	-0.50	-2.98e-04	0.0	6.71e-06
99	45	0.04	-0.05	-0.50	2.98e-04	0.0	-6.71e-06
99	46	-0.04	0.05	-0.49	-2.98e-04	0.0	6.71e-06
99	47	-0.04	-0.05	-0.49	2.98e-04	0.0	-6.71e-06
99	48	0.04	0.05	-0.50	-2.96e-04	0.0	-6.66e-06
99	49	0.04	-0.05	-0.50	2.96e-04	0.0	6.66e-06
99	50	-0.04	0.05	-0.49	-2.96e-04	0.0	-6.66e-06
99	51	-0.04	-0.05	-0.49	2.96e-04	0.0	6.66e-06
99	52	0.01	0.16	-0.49	-9.94e-04	0.0	2.24e-05
99	53	0.01	-0.16	-0.49	9.94e-04	0.0	-2.24e-05
99	54	-0.01	0.16	-0.49	-9.94e-04	0.0	2.24e-05
99	55	-0.01	-0.16	-0.49	9.94e-04	0.0	-2.24e-05
99	56	0.01	0.16	-0.49	-9.94e-04	0.0	2.24e-05
99	57	0.01	-0.16	-0.49	9.94e-04	0.0	-2.24e-05
99	58	-0.01	0.16	-0.49	-9.94e-04	0.0	2.24e-05
99	59	-0.01	-0.16	-0.49	9.94e-04	0.0	-2.24e-05
99	60	0.01	0.16	-0.49	-9.85e-04	0.0	-2.22e-05
99	61	0.01	-0.16	-0.49	9.85e-04	0.0	2.22e-05
99	62	-0.01	0.16	-0.49	-9.85e-04	0.0	-2.22e-05
99	63	-0.01	-0.16	-0.49	9.85e-04	0.0	2.22e-05
99	64	0.01	0.16	-0.49	-9.85e-04	0.0	-2.22e-05
99	65	0.01	-0.16	-0.49	9.85e-04	0.0	2.22e-05
99	66	-0.01	0.16	-0.49	-9.85e-04	0.0	-2.22e-05
99	67	-0.01	-0.16	-0.49	9.85e-04	0.0	2.22e-05
99	68	2.29e-05	0.06	-0.49	-4.37e-04	0.0	0.0
99	69	2.29e-05	0.0	-0.49	0.0	0.0	0.0
99	70	2.29e-05	0.0	-0.49	0.0	0.0	0.0
100	1	4.11e-05	0.47	-0.64	-3.27e-03	0.0	-3.90e-06
100	2	3.16e-05	0.47	-0.49	-3.27e-03	0.0	-3.90e-06
100	3	3.16e-05	0.31	-0.49	-2.18e-03	0.0	-2.60e-06
100	4	0.04	0.05	-0.50	-2.79e-04	0.0	6.18e-06
100	5	0.04	-0.05	-0.50	2.79e-04	0.0	-6.18e-06
100	6	-0.04	0.05	-0.49	-2.79e-04	0.0	6.18e-06
100	7	-0.04	-0.05	-0.49	2.79e-04	0.0	-6.18e-06
100	8	0.04	0.04	-0.50	-2.75e-04	0.0	-6.28e-06
100	9	0.04	-0.04	-0.50	2.75e-04	0.0	6.28e-06
100	10	-0.04	0.04	-0.49	-2.75e-04	0.0	-6.28e-06
100	11	-0.04	-0.04	-0.49	2.75e-04	0.0	6.28e-06
100	12	0.04	0.05	-0.50	-2.79e-04	0.0	6.18e-06
100	13	0.04	-0.05	-0.50	2.79e-04	0.0	-6.18e-06
100	14	-0.04	0.05	-0.49	-2.79e-04	0.0	6.18e-06
100	15	-0.04	-0.05	-0.49	2.79e-04	0.0	-6.18e-06
100	16	0.04	0.04	-0.50	-2.75e-04	0.0	-6.28e-06
100	17	0.04	-0.04	-0.50	2.75e-04	0.0	6.28e-06
100	18	-0.04	0.04	-0.49	-2.75e-04	0.0	-6.28e-06
100	19	-0.04	-0.04	-0.49	2.75e-04	0.0	6.28e-06
100	20	0.01	0.15	-0.49	-9.29e-04	0.0	2.06e-05
100	22	-0.01	0.15	-0.49	-9.29e-04	0.0	2.06e-05
100	23	-0.01	-0.15	-0.49	9.29e-04	0.0	-2.06e-05
100	24	0.01	0.15	-0.49	-9.29e-04	0.0	2.06e-05
100	25	0.01	-0.15	-0.49	9.29e-04	0.0	-2.06e-05
100	26	-0.01	0.15	-0.49	-9.29e-04	0.0	2.06e-05
100	27	-0.01	-0.15	-0.49	9.29e-04	0.0	-2.06e-05

100	28	0.01	0.14	-0.49	-9.17e-04	0.0	-2.09e-05
100	29	0.01	-0.14	-0.49	9.17e-04	0.0	2.09e-05
100	30	-0.01	0.14	-0.49	-9.17e-04	0.0	-2.09e-05
100	31	-0.01	-0.14	-0.49	9.17e-04	0.0	2.09e-05
100	32	0.01	0.14	-0.49	-9.17e-04	0.0	-2.09e-05
100	33	0.01	-0.14	-0.49	9.17e-04	0.0	2.09e-05
100	34	-0.01	0.14	-0.49	-9.17e-04	0.0	-2.09e-05
100	35	-0.01	-0.14	-0.49	9.17e-04	0.0	2.09e-05
100	36	0.04	0.05	-0.50	-2.99e-04	0.0	6.57e-06
100	37	0.04	-0.05	-0.50	2.99e-04	0.0	-6.57e-06
100	38	-0.04	0.05	-0.49	-2.99e-04	0.0	6.57e-06
100	39	-0.04	-0.05	-0.49	2.99e-04	0.0	-6.57e-06
100	40	0.04	0.05	-0.50	-2.95e-04	0.0	-6.69e-06
100	41	0.04	-0.05	-0.50	2.95e-04	0.0	6.69e-06
100	42	-0.04	0.05	-0.49	-2.95e-04	0.0	-6.69e-06
100	43	-0.04	-0.05	-0.49	2.95e-04	0.0	6.69e-06
100	44	0.04	0.05	-0.50	-2.99e-04	0.0	6.57e-06
100	45	0.04	-0.05	-0.50	2.99e-04	0.0	-6.57e-06
100	46	-0.04	0.05	-0.49	-2.99e-04	0.0	6.57e-06
100	47	-0.04	-0.05	-0.49	2.99e-04	0.0	-6.57e-06
100	48	0.04	0.05	-0.50	-2.95e-04	0.0	-6.69e-06
100	49	0.04	-0.05	-0.50	2.95e-04	0.0	6.69e-06
100	50	-0.04	0.05	-0.49	-2.95e-04	0.0	-6.69e-06
100	51	-0.04	-0.05	-0.49	2.95e-04	0.0	6.69e-06
100	52	0.01	0.16	-0.49	-9.96e-04	0.0	2.19e-05
100	53	0.01	-0.16	-0.49	9.96e-04	0.0	-2.19e-05
100	54	-0.01	0.16	-0.49	-9.96e-04	0.0	2.19e-05
100	55	-0.01	-0.16	-0.49	9.96e-04	0.0	-2.19e-05
100	56	0.01	0.16	-0.49	-9.96e-04	0.0	2.19e-05
100	57	0.01	-0.16	-0.49	9.96e-04	0.0	-2.19e-05
100	58	-0.01	0.16	-0.49	-9.96e-04	0.0	2.19e-05
100	59	-0.01	-0.16	-0.49	9.96e-04	0.0	-2.19e-05
100	60	0.01	0.15	-0.49	-9.83e-04	0.0	2.23e-05
100	61	0.01	-0.15	-0.49	9.83e-04	0.0	-2.23e-05
100	62	-0.01	0.15	-0.49	-9.83e-04	0.0	2.23e-05
100	63	-0.01	-0.15	-0.49	9.83e-04	0.0	-2.23e-05
100	64	0.01	0.15	-0.49	-9.83e-04	0.0	2.23e-05
100	65	0.01	-0.15	-0.49	9.83e-04	0.0	-2.23e-05
100	66	-0.01	0.15	-0.49	-9.83e-04	0.0	2.23e-05
100	67	-0.01	-0.15	-0.49	9.83e-04	0.0	-2.23e-05
100	68	3.16e-05	0.06	-0.49	-4.36e-04	0.0	0.0
100	69	3.16e-05	0.0	-0.49	0.0	0.0	0.0
100	70	3.16e-05	0.0	-0.49	0.0	0.0	0.0
101	1	6.01e-05	0.47	-0.64	-3.26e-03	0.0	0.0
101	2	4.62e-05	0.47	-0.49	-3.26e-03	0.0	0.0
101	3	4.62e-05	0.31	-0.49	-2.18e-03	0.0	0.0
101	4	0.04	0.05	-0.50	-2.79e-04	0.0	6.23e-06
101	5	0.04	-0.05	-0.50	2.79e-04	0.0	-6.23e-06
101	6	-0.04	0.05	-0.48	-2.79e-04	0.0	6.23e-06
101	7	-0.04	-0.05	-0.48	2.79e-04	0.0	-6.23e-06
101	8	0.04	0.04	-0.50	-2.75e-04	0.0	-6.13e-06
101	9	0.04	-0.04	-0.50	2.75e-04	0.0	6.13e-06
101	10	-0.04	0.04	-0.48	-2.75e-04	0.0	-6.13e-06
101	11	-0.04	-0.04	-0.48	2.75e-04	0.0	6.13e-06
101	12	0.04	0.05	-0.50	-2.79e-04	0.0	6.23e-06
101	13	0.04	-0.05	-0.50	2.79e-04	0.0	-6.23e-06
101	14	-0.04	0.05	-0.48	-2.79e-04	0.0	6.23e-06
101	15	-0.04	-0.05	-0.48	2.79e-04	0.0	-6.23e-06
101	16	0.04	0.04	-0.50	-2.75e-04	0.0	-6.13e-06
101	17	0.04	-0.04	-0.50	2.75e-04	0.0	6.13e-06
101	18	-0.04	0.04	-0.48	-2.75e-04	0.0	-6.13e-06
101	19	-0.04	-0.04	-0.48	2.75e-04	0.0	6.13e-06
101	20	0.01	0.15	-0.49	-9.30e-04	0.0	2.08e-05
101	21	0.01	-0.15	-0.49	9.30e-04	0.0	-2.08e-05
101	22	-0.01	0.15	-0.49	-9.30e-04	0.0	2.08e-05
101	23	-0.01	-0.15	-0.49	9.30e-04	0.0	-2.08e-05
101	24	0.01	0.15	-0.49	-9.30e-04	0.0	2.08e-05
101	25	0.01	-0.15	-0.49	9.30e-04	0.0	-2.08e-05
101	26	-0.01	0.15	-0.49	-9.30e-04	0.0	2.08e-05
101	27	-0.01	-0.15	-0.49	9.30e-04	0.0	-2.08e-05
101	28	0.01	0.14	-0.49	-9.15e-04	0.0	2.04e-05
101	29	0.01	-0.14	-0.49	9.15e-04	0.0	-2.04e-05
101	30	-0.01	0.14	-0.49	-9.15e-04	0.0	2.04e-05
101	31	-0.01	-0.14	-0.49	9.15e-04	0.0	-2.04e-05
101	32	0.01	0.14	-0.49	-9.15e-04	0.0	2.04e-05

101	33	0.01	-0.14	-0.49	9.15e-04	0.0	2.04e-05
101	34	-0.01	0.14	-0.49	-9.15e-04	0.0	-2.04e-05
101	35	-0.01	-0.14	-0.49	9.15e-04	0.0	2.04e-05
101	36	0.04	0.05	-0.50	-2.99e-04	0.0	6.62e-06
101	37	0.04	-0.05	-0.50	2.99e-04	0.0	-6.62e-06
101	38	-0.04	0.05	-0.48	-2.99e-04	0.0	6.62e-06
101	39	-0.04	-0.05	-0.48	2.99e-04	0.0	-6.62e-06
101	40	0.04	0.05	-0.50	-2.94e-04	0.0	-6.53e-06
101	41	0.04	-0.05	-0.50	2.94e-04	0.0	6.53e-06
101	42	-0.04	0.05	-0.48	-2.94e-04	0.0	-6.53e-06
101	43	-0.04	-0.05	-0.48	2.94e-04	0.0	6.53e-06
101	44	0.04	0.05	-0.50	-2.99e-04	0.0	6.62e-06
101	45	0.04	-0.05	-0.50	2.99e-04	0.0	-6.62e-06
101	46	-0.04	0.05	-0.48	-2.99e-04	0.0	6.62e-06
101	47	-0.04	-0.05	-0.48	2.99e-04	0.0	-6.62e-06
101	48	0.04	0.05	-0.50	-2.94e-04	0.0	-6.53e-06
101	49	0.04	-0.05	-0.50	2.94e-04	0.0	6.53e-06
101	50	-0.04	0.05	-0.48	-2.94e-04	0.0	-6.53e-06
101	51	-0.04	-0.05	-0.48	2.94e-04	0.0	6.53e-06
101	52	0.01	0.16	-0.49	-9.97e-04	0.0	2.21e-05
101	53	0.01	-0.16	-0.49	9.97e-04	0.0	-2.21e-05
101	54	-0.01	0.16	-0.49	-9.97e-04	0.0	2.21e-05
101	55	-0.01	-0.16	-0.49	9.97e-04	0.0	-2.21e-05
101	56	0.01	0.16	-0.49	-9.97e-04	0.0	2.21e-05
101	57	0.01	-0.16	-0.49	9.97e-04	0.0	-2.21e-05
101	58	-0.01	0.16	-0.49	-9.97e-04	0.0	2.21e-05
101	59	-0.01	-0.16	-0.49	9.97e-04	0.0	-2.21e-05
101	60	0.01	0.15	-0.49	-9.81e-04	0.0	-2.18e-05
101	61	0.01	-0.15	-0.49	9.81e-04	0.0	2.18e-05
101	62	-0.01	0.15	-0.49	-9.81e-04	0.0	-2.18e-05
101	63	-0.01	-0.15	-0.49	9.81e-04	0.0	2.18e-05
101	64	0.01	0.15	-0.49	-9.81e-04	0.0	-2.18e-05
101	65	0.01	-0.15	-0.49	9.81e-04	0.0	2.18e-05
101	66	-0.01	0.15	-0.49	-9.81e-04	0.0	-2.18e-05
101	67	-0.01	-0.15	-0.49	9.81e-04	0.0	2.18e-05
101	68	4.62e-05	0.06	-0.49	-4.35e-04	0.0	0.0
101	69	4.62e-05	0.0	-0.49	0.0	0.0	0.0
101	70	4.62e-05	0.0	-0.49	0.0	0.0	0.0
102	1	7.90e-05	0.47	-0.64	-3.27e-03	0.0	2.99e-06
102	2	6.07e-05	0.47	-0.49	-3.27e-03	0.0	2.99e-06
102	3	6.07e-05	0.31	-0.49	-2.18e-03	0.0	1.99e-06
102	4	0.04	0.05	-0.50	-2.80e-04	0.0	6.26e-06
102	5	0.04	-0.05	-0.50	2.80e-04	0.0	-6.26e-06
102	6	-0.04	0.05	-0.48	-2.80e-04	0.0	6.26e-06
102	7	-0.04	-0.05	-0.48	2.80e-04	0.0	-6.26e-06
102	8	0.04	0.04	-0.50	-2.74e-04	0.0	-5.95e-06
102	9	0.04	-0.04	-0.50	2.74e-04	0.0	5.95e-06
102	10	-0.04	0.04	-0.48	-2.74e-04	0.0	-5.95e-06
102	11	-0.04	-0.04	-0.48	2.74e-04	0.0	5.95e-06
102	12	0.04	0.05	-0.50	-2.80e-04	0.0	6.26e-06
102	13	0.04	-0.05	-0.50	2.80e-04	0.0	-6.26e-06
102	14	-0.04	0.05	-0.48	-2.80e-04	0.0	6.26e-06
102	15	-0.04	-0.05	-0.48	2.80e-04	0.0	-6.26e-06
102	16	0.04	0.04	-0.50	-2.74e-04	0.0	-5.95e-06
102	17	0.04	-0.04	-0.50	2.74e-04	0.0	5.95e-06
102	18	-0.04	0.04	-0.48	-2.74e-04	0.0	-5.95e-06
102	19	-0.04	-0.04	-0.48	2.74e-04	0.0	5.95e-06
102	20	0.01	0.16	-0.50	-9.32e-04	0.0	2.09e-05
102	21	0.01	-0.16	-0.50	9.32e-04	0.0	-2.09e-05
102	22	-0.01	0.16	-0.49	-9.32e-04	0.0	2.09e-05
102	23	-0.01	-0.16	-0.49	9.32e-04	0.0	-2.09e-05
102	24	0.01	0.16	-0.50	-9.32e-04	0.0	2.09e-05
102	25	0.01	-0.16	-0.50	9.32e-04	0.0	-2.09e-05
102	26	-0.01	0.16	-0.49	-9.32e-04	0.0	2.09e-05
102	27	-0.01	-0.16	-0.49	9.32e-04	0.0	-2.09e-05
102	28	0.01	0.14	-0.50	-9.14e-04	0.0	-1.98e-05
102	29	0.01	-0.14	-0.50	9.14e-04	0.0	1.98e-05
102	30	-0.01	0.14	-0.49	-9.14e-04	0.0	-1.98e-05
102	31	-0.01	-0.14	-0.49	9.14e-04	0.0	1.98e-05
102	32	0.01	0.14	-0.50	-9.14e-04	0.0	-1.98e-05
102	33	0.01	-0.14	-0.50	9.14e-04	0.0	1.98e-05
102	34	-0.01	0.14	-0.49	-9.14e-04	0.0	-1.98e-05
102	35	-0.01	-0.14	-0.49	9.14e-04	0.0	1.98e-05
102	36	0.04	0.05	-0.50	-3.00e-04	0.0	6.66e-06
102	37	0.04	-0.05	-0.50	3.00e-04	0.0	-6.66e-06

102	38	-0.04	0.05	-0.48	-3.00e-04	0.0	6.66e-06
102	39	-0.04	-0.05	-0.48	3.00e-04	0.0	-6.66e-06
102	40	0.04	0.05	-0.50	-2.94e-04	0.0	-6.35e-06
102	41	0.04	-0.05	-0.50	2.94e-04	0.0	6.35e-06
102	42	-0.04	0.05	-0.48	-2.94e-04	0.0	-6.35e-06
102	43	-0.04	-0.05	-0.48	2.94e-04	0.0	6.35e-06
102	44	0.04	0.05	-0.50	-3.00e-04	0.0	6.66e-06
102	45	0.04	-0.05	-0.50	3.00e-04	0.0	-6.66e-06
102	46	-0.04	0.05	-0.48	-3.00e-04	0.0	6.66e-06
102	47	-0.04	-0.05	-0.48	3.00e-04	0.0	-6.66e-06
102	48	0.04	0.05	-0.50	-2.94e-04	0.0	-6.35e-06
102	49	0.04	-0.05	-0.50	2.94e-04	0.0	6.35e-06
102	50	-0.04	0.05	-0.48	-2.94e-04	0.0	-6.35e-06
102	51	-0.04	-0.05	-0.48	2.94e-04	0.0	6.35e-06
102	52	0.01	0.17	-0.49	-9.99e-04	0.0	2.22e-05
102	53	0.01	-0.17	-0.49	9.99e-04	0.0	-2.22e-05
102	54	-0.01	0.17	-0.49	-9.99e-04	0.0	2.22e-05
102	55	-0.01	-0.17	-0.49	9.99e-04	0.0	-2.22e-05
102	56	0.01	0.17	-0.49	-9.99e-04	0.0	2.22e-05
102	57	0.01	-0.17	-0.49	9.99e-04	0.0	-2.22e-05
102	58	-0.01	0.17	-0.49	-9.99e-04	0.0	2.22e-05
102	59	-0.01	-0.17	-0.49	9.99e-04	0.0	-2.22e-05
102	60	0.01	0.15	-0.49	-9.79e-04	0.0	-2.12e-05
102	61	0.01	-0.15	-0.49	9.79e-04	0.0	2.12e-05
102	62	-0.01	0.15	-0.49	-9.79e-04	0.0	-2.12e-05
102	63	-0.01	-0.15	-0.49	9.79e-04	0.0	2.12e-05
102	64	0.01	0.15	-0.49	-9.79e-04	0.0	-2.12e-05
102	65	0.01	-0.15	-0.49	9.79e-04	0.0	2.12e-05
102	66	-0.01	0.15	-0.49	-9.79e-04	0.0	-2.12e-05
102	67	-0.01	-0.15	-0.49	9.79e-04	0.0	2.12e-05
102	68	6.07e-05	0.06	-0.49	-4.36e-04	0.0	0.0
102	69	6.07e-05	0.0	-0.49	0.0	0.0	0.0
102	70	6.07e-05	0.0	-0.49	0.0	0.0	0.0
103	1	8.98e-05	0.47	-0.64	-3.27e-03	0.0	0.0
103	2	6.90e-05	0.47	-0.49	-3.27e-03	0.0	0.0
103	3	6.90e-05	0.31	-0.49	-2.18e-03	0.0	0.0
103	4	0.04	0.05	-0.50	-2.80e-04	0.0	6.07e-06
103	5	0.04	-0.05	-0.50	2.80e-04	0.0	-6.07e-06
103	6	-0.04	0.05	-0.48	-2.80e-04	0.0	6.07e-06
103	7	-0.04	-0.05	-0.48	2.80e-04	0.0	-6.07e-06
103	8	0.04	0.04	-0.50	-2.74e-04	0.0	-5.92e-06
103	9	0.04	-0.04	-0.50	2.74e-04	0.0	5.92e-06
103	10	-0.04	0.04	-0.48	-2.74e-04	0.0	-5.92e-06
103	11	-0.04	-0.04	-0.48	2.74e-04	0.0	5.92e-06
103	12	0.04	0.05	-0.50	-2.80e-04	0.0	6.07e-06
103	13	0.04	-0.05	-0.50	2.80e-04	0.0	-6.07e-06
103	14	-0.04	0.05	-0.48	-2.80e-04	0.0	6.07e-06
103	15	-0.04	-0.05	-0.48	2.80e-04	0.0	-6.07e-06
103	16	0.04	0.04	-0.50	-2.74e-04	0.0	-5.92e-06
103	17	0.04	-0.04	-0.50	2.74e-04	0.0	5.92e-06
103	18	-0.04	0.04	-0.48	-2.74e-04	0.0	-5.92e-06
103	19	-0.04	-0.04	-0.48	2.74e-04	0.0	5.92e-06
103	20	0.01	0.16	-0.50	-9.34e-04	0.0	2.02e-05
103	21	0.01	-0.16	-0.50	9.34e-04	0.0	-2.02e-05
103	22	-0.01	0.16	-0.49	-9.34e-04	0.0	2.02e-05
103	23	-0.01	-0.16	-0.49	9.34e-04	0.0	-2.02e-05
103	24	0.01	0.16	-0.50	-9.34e-04	0.0	2.02e-05
103	25	0.01	-0.16	-0.50	9.34e-04	0.0	-2.02e-05
103	26	-0.01	0.16	-0.49	-9.34e-04	0.0	2.02e-05
103	27	-0.01	-0.16	-0.49	9.34e-04	0.0	-2.02e-05
103	28	0.01	0.14	-0.50	-9.13e-04	0.0	-1.97e-05
103	29	0.01	-0.14	-0.50	9.13e-04	0.0	1.97e-05
103	30	-0.01	0.14	-0.49	-9.13e-04	0.0	-1.97e-05
103	31	-0.01	-0.14	-0.49	9.13e-04	0.0	1.97e-05
103	32	0.01	0.14	-0.50	-9.13e-04	0.0	-1.97e-05
103	33	0.01	-0.14	-0.50	9.13e-04	0.0	1.97e-05
103	34	-0.01	0.14	-0.49	-9.13e-04	0.0	-1.97e-05
103	35	-0.01	-0.14	-0.49	9.13e-04	0.0	1.97e-05
103	36	0.04	0.05	-0.50	-3.00e-04	0.0	6.45e-06
103	37	0.04	-0.05	-0.50	3.00e-04	0.0	-6.45e-06
103	38	-0.04	0.05	-0.48	-3.00e-04	0.0	6.45e-06
103	39	-0.04	-0.05	-0.48	3.00e-04	0.0	-6.45e-06
103	40	0.04	0.04	-0.50	-2.93e-04	0.0	-6.31e-06
103	41	0.04	-0.04	-0.50	2.93e-04	0.0	6.31e-06
103	42	-0.04	0.04	-0.48	-2.93e-04	0.0	-6.31e-06

103	43	-0.04	-0.04	-0.48	2.93e-04	0.0	6.31e-06
103	44	0.04	0.05	-0.50	-3.00e-04	0.0	6.45e-06
103	45	0.04	-0.05	-0.50	3.00e-04	0.0	-6.45e-06
103	46	-0.04	0.05	-0.48	-3.00e-04	0.0	6.45e-06
103	47	-0.04	-0.05	-0.48	3.00e-04	0.0	-6.45e-06
103	48	0.04	0.04	-0.50	-2.93e-04	0.0	-6.31e-06
103	49	0.04	-0.04	-0.50	2.93e-04	0.0	6.31e-06
103	50	-0.04	0.04	-0.48	-2.93e-04	0.0	-6.31e-06
103	51	-0.04	-0.04	-0.48	2.93e-04	0.0	6.31e-06
103	52	0.01	0.17	-0.50	-1.00e-03	0.0	2.15e-05
103	53	0.01	-0.17	-0.50	1.00e-03	0.0	-2.15e-05
103	54	-0.01	0.17	-0.49	-1.00e-03	0.0	2.15e-05
103	55	-0.01	-0.17	-0.49	1.00e-03	0.0	-2.15e-05
103	56	0.01	0.17	-0.50	-1.00e-03	0.0	2.15e-05
103	57	0.01	-0.17	-0.50	1.00e-03	0.0	-2.15e-05
103	58	-0.01	0.17	-0.49	-1.00e-03	0.0	2.15e-05
103	59	-0.01	-0.17	-0.49	1.00e-03	0.0	-2.15e-05
103	60	0.01	0.15	-0.50	-9.78e-04	0.0	-2.10e-05
103	61	0.01	-0.15	-0.50	9.78e-04	0.0	2.10e-05
103	62	-0.01	0.15	-0.49	-9.78e-04	0.0	-2.10e-05
103	63	-0.01	-0.15	-0.49	9.78e-04	0.0	2.10e-05
103	64	0.01	0.15	-0.50	-9.78e-04	0.0	-2.10e-05
103	65	0.01	-0.15	-0.50	9.78e-04	0.0	2.10e-05
103	66	-0.01	0.15	-0.49	-9.78e-04	0.0	-2.10e-05
103	67	-0.01	-0.15	-0.49	9.78e-04	0.0	2.10e-05
103	68	6.90e-05	0.06	-0.49	-4.36e-04	0.0	0.0
103	69	6.90e-05	0.0	-0.49	0.0	0.0	0.0
103	70	6.90e-05	0.0	-0.49	0.0	0.0	0.0
104	1	1.01e-04	0.47	-0.64	-3.27e-03	0.0	-3.33e-06
104	2	7.80e-05	0.47	-0.49	-3.27e-03	0.0	-3.33e-06
104	3	7.80e-05	0.31	-0.49	-2.18e-03	0.0	-2.22e-06
104	4	0.04	0.05	-0.51	-2.81e-04	0.0	5.87e-06
104	5	0.04	-0.05	-0.51	2.81e-04	0.0	-5.87e-06
104	6	-0.04	0.05	-0.48	-2.81e-04	0.0	5.87e-06
104	7	-0.04	-0.05	-0.48	2.81e-04	0.0	-5.87e-06
104	8	0.04	0.04	-0.51	-2.73e-04	0.0	-5.87e-06
104	9	0.04	-0.04	-0.51	2.73e-04	0.0	5.87e-06
104	10	-0.04	0.04	-0.48	-2.73e-04	0.0	-5.87e-06
104	11	-0.04	-0.04	-0.48	2.73e-04	0.0	5.87e-06
104	12	0.04	0.05	-0.51	-2.81e-04	0.0	5.87e-06
104	13	0.04	-0.05	-0.51	2.81e-04	0.0	-5.87e-06
104	14	-0.04	0.05	-0.48	-2.81e-04	0.0	5.87e-06
104	15	-0.04	-0.05	-0.48	2.81e-04	0.0	-5.87e-06
104	16	0.04	0.04	-0.51	-2.73e-04	0.0	-5.87e-06
104	17	0.04	-0.04	-0.51	2.73e-04	0.0	5.87e-06
104	18	-0.04	0.04	-0.48	-2.73e-04	0.0	-5.87e-06
104	19	-0.04	-0.04	-0.48	2.73e-04	0.0	5.87e-06
104	20	0.01	0.16	-0.50	-9.35e-04	0.0	1.96e-05
104	21	0.01	-0.16	-0.50	9.35e-04	0.0	-1.96e-05
104	22	-0.01	0.16	-0.49	-9.35e-04	0.0	1.96e-05
104	23	-0.01	-0.16	-0.49	9.35e-04	0.0	-1.96e-05
104	24	0.01	0.16	-0.50	-9.35e-04	0.0	1.96e-05
104	25	0.01	-0.16	-0.50	9.35e-04	0.0	-1.96e-05
104	26	-0.01	0.16	-0.49	-9.35e-04	0.0	1.96e-05
104	27	-0.01	-0.16	-0.49	9.35e-04	0.0	-1.96e-05
104	28	0.01	0.14	-0.50	-9.12e-04	0.0	-1.96e-05
104	29	0.01	-0.14	-0.50	9.12e-04	0.0	1.96e-05
104	30	-0.01	0.14	-0.49	-9.12e-04	0.0	-1.96e-05
104	31	-0.01	-0.14	-0.49	9.12e-04	0.0	1.96e-05
104	32	0.01	0.14	-0.50	-9.12e-04	0.0	-1.96e-05
104	33	0.01	-0.14	-0.50	9.12e-04	0.0	1.96e-05
104	34	-0.01	0.14	-0.49	-9.12e-04	0.0	-1.96e-05
104	36	0.04	0.05	-0.51	-3.01e-04	0.0	6.23e-06
104	37	0.04	-0.05	-0.51	3.01e-04	0.0	-6.23e-06
104	38	-0.04	0.05	-0.48	-3.01e-04	0.0	6.23e-06
104	39	-0.04	-0.05	-0.48	3.01e-04	0.0	-6.23e-06
104	40	0.04	0.04	-0.51	-2.93e-04	0.0	-6.26e-06
104	41	0.04	-0.04	-0.51	2.93e-04	0.0	6.26e-06
104	42	-0.04	0.04	-0.48	-2.93e-04	0.0	-6.26e-06
104	43	-0.04	-0.04	-0.48	2.93e-04	0.0	6.26e-06
104	44	0.04	0.05	-0.51	-3.01e-04	0.0	6.23e-06
104	45	0.04	-0.05	-0.51	3.01e-04	0.0	-6.23e-06
104	46	-0.04	0.05	-0.48	-3.01e-04	0.0	6.23e-06
104	47	-0.04	-0.05	-0.48	3.01e-04	0.0	-6.23e-06
104	48	0.04	0.04	-0.51	-2.93e-04	0.0	-6.26e-06

104	49	0.04	-0.04	-0.51	2.93e-04	0.0	6.26e-06
104	50	-0.04	0.04	-0.48	-2.93e-04	0.0	-6.26e-06
104	51	-0.04	-0.04	-0.48	2.93e-04	0.0	6.26e-06
104	52	0.01	0.17	-0.50	-1.00e-03	0.0	2.08e-05
104	53	0.01	-0.17	-0.50	1.00e-03	0.0	-2.08e-05
104	54	-0.01	0.17	-0.49	-1.00e-03	0.0	2.08e-05
104	55	-0.01	-0.17	-0.49	1.00e-03	0.0	-2.08e-05
104	56	0.01	0.17	-0.50	-1.00e-03	0.0	2.08e-05
104	57	0.01	-0.17	-0.50	1.00e-03	0.0	-2.08e-05
104	58	-0.01	0.17	-0.49	-1.00e-03	0.0	2.08e-05
104	59	-0.01	-0.17	-0.49	1.00e-03	0.0	-2.08e-05
104	60	0.01	0.15	-0.50	-9.77e-04	0.0	2.09e-05
104	61	0.01	-0.15	-0.50	9.77e-04	0.0	2.09e-05
104	62	-0.01	0.15	-0.49	-9.77e-04	0.0	-2.09e-05
104	63	-0.01	-0.15	-0.49	9.77e-04	0.0	-2.09e-05
104	64	0.01	0.15	-0.50	-9.77e-04	0.0	2.09e-05
104	65	0.01	-0.15	-0.50	9.77e-04	0.0	-2.09e-05
104	66	-0.01	0.15	-0.49	-9.77e-04	0.0	2.09e-05
104	67	-0.01	-0.15	-0.49	9.77e-04	0.0	-2.09e-05
104	68	7.80e-05	0.06	-0.49	-4.36e-04	0.0	0.0
104	69	7.80e-05	0.0	-0.49	0.0	0.0	0.0
104	70	7.80e-05	0.0	-0.49	0.0	0.0	0.0
105	1	1.20e-04	0.47	-0.64	-3.26e-03	0.0	0.0
105	2	9.26e-05	0.47	-0.49	-3.26e-03	0.0	0.0
105	3	9.26e-05	0.31	-0.49	-2.18e-03	0.0	0.0
105	4	0.04	0.05	-0.51	-2.81e-04	0.0	5.87e-06
105	5	0.04	-0.05	-0.51	2.81e-04	0.0	-5.87e-06
105	6	-0.04	0.05	-0.48	-2.81e-04	0.0	5.87e-06
105	7	-0.04	-0.05	-0.48	2.81e-04	0.0	-5.87e-06
105	8	0.04	0.04	-0.51	-2.73e-04	0.0	-5.69e-06
105	9	0.04	-0.04	-0.51	2.73e-04	0.0	5.69e-06
105	10	-0.04	0.04	-0.48	-2.73e-04	0.0	-5.69e-06
105	11	-0.04	-0.04	-0.48	2.73e-04	0.0	5.69e-06
105	12	0.04	0.05	-0.51	-2.81e-04	0.0	5.87e-06
105	13	0.04	-0.05	-0.51	2.81e-04	0.0	-5.87e-06
105	14	-0.04	0.05	-0.48	-2.81e-04	0.0	5.87e-06
105	15	-0.04	-0.05	-0.48	2.81e-04	0.0	-5.87e-06
105	16	0.04	0.04	-0.51	-2.73e-04	0.0	-5.69e-06
105	17	0.04	-0.04	-0.51	2.73e-04	0.0	5.69e-06
105	18	-0.04	0.04	-0.48	-2.73e-04	0.0	-5.69e-06
105	19	-0.04	-0.04	-0.48	2.73e-04	0.0	5.69e-06
105	20	0.01	0.16	-0.50	-9.36e-04	0.0	1.96e-05
105	21	0.01	-0.16	-0.50	9.36e-04	0.0	-1.96e-05
105	22	-0.01	0.16	-0.49	-9.36e-04	0.0	1.96e-05
105	23	-0.01	-0.16	-0.49	9.36e-04	0.0	-1.96e-05
105	24	0.01	0.16	-0.50	-9.36e-04	0.0	1.96e-05
105	25	0.01	-0.16	-0.50	9.36e-04	0.0	-1.96e-05
105	26	-0.01	0.16	-0.49	-9.36e-04	0.0	1.96e-05
105	27	-0.01	-0.16	-0.49	9.36e-04	0.0	-1.96e-05
105	28	0.01	0.14	-0.50	-9.10e-04	0.0	1.90e-05
105	29	0.01	-0.14	-0.50	9.10e-04	0.0	-1.90e-05
105	30	-0.01	0.14	-0.49	-9.10e-04	0.0	1.90e-05
105	31	-0.01	-0.14	-0.49	9.10e-04	0.0	-1.90e-05
105	32	0.01	0.14	-0.50	-9.10e-04	0.0	1.90e-05
105	33	0.01	-0.14	-0.50	9.10e-04	0.0	-1.90e-05
105	34	-0.01	0.14	-0.49	-9.10e-04	0.0	1.90e-05
105	35	-0.01	-0.14	-0.49	9.10e-04	0.0	-1.90e-05
105	36	0.04	0.05	-0.51	-3.01e-04	0.0	6.23e-06
105	37	0.04	-0.05	-0.51	3.01e-04	0.0	-6.23e-06
105	38	-0.04	0.05	-0.48	-3.01e-04	0.0	6.23e-06
105	39	-0.04	-0.05	-0.48	3.01e-04	0.0	-6.23e-06
105	40	0.04	0.04	-0.51	-2.93e-04	0.0	-6.07e-06
105	41	0.04	-0.04	-0.51	2.93e-04	0.0	6.07e-06
105	42	-0.04	0.04	-0.48	-2.93e-04	0.0	-6.07e-06
105	43	-0.04	-0.04	-0.48	2.93e-04	0.0	6.07e-06
105	44	0.04	0.05	-0.51	-3.01e-04	0.0	6.23e-06
105	45	0.04	-0.05	-0.51	3.01e-04	0.0	-6.23e-06
105	46	-0.04	0.05	-0.48	-3.01e-04	0.0	6.23e-06
105	47	-0.04	-0.05	-0.48	3.01e-04	0.0	-6.23e-06
105	48	0.04	0.04	-0.51	-2.93e-04	0.0	-6.07e-06
105	49	0.04	-0.04	-0.51	2.93e-04	0.0	6.07e-06
105	50	-0.04	0.04	-0.48	-2.93e-04	0.0	-6.07e-06
105	51	-0.04	-0.04	-0.48	2.93e-04	0.0	6.07e-06
105	52	0.01	0.17	-0.50	-1.00e-03	0.0	2.08e-05
105	53	0.01	-0.17	-0.50	1.00e-03	0.0	-2.08e-05

105	54	-0.01	0.17	-0.49	-1.00e-03	0.0	2.08e-05
105	55	-0.01	-0.17	-0.49	1.00e-03	0.0	-2.08e-05
105	56	0.01	0.17	-0.50	-1.00e-03	0.0	2.08e-05
105	57	0.01	-0.17	-0.50	1.00e-03	0.0	-2.08e-05
105	58	-0.01	0.17	-0.49	-1.00e-03	0.0	2.08e-05
105	59	-0.01	-0.17	-0.49	1.00e-03	0.0	-2.08e-05
105	60	0.01	0.15	-0.50	-9.76e-04	0.0	-2.02e-05
105	61	0.01	-0.15	-0.50	9.76e-04	0.0	2.02e-05
105	62	-0.01	0.15	-0.49	-9.76e-04	0.0	-2.02e-05
105	63	-0.01	-0.15	-0.49	9.76e-04	0.0	2.02e-05
105	64	0.01	0.15	-0.50	-9.76e-04	0.0	-2.02e-05
105	65	0.01	-0.15	-0.50	9.76e-04	0.0	2.02e-05
105	66	-0.01	0.15	-0.49	-9.76e-04	0.0	-2.02e-05
105	67	-0.01	-0.15	-0.49	9.76e-04	0.0	2.02e-05
105	68	9.26e-05	0.06	-0.49	-4.35e-04	0.0	0.0
105	69	9.26e-05	0.0	-0.49	0.0	0.0	0.0
105	70	9.26e-05	0.0	-0.49	0.0	0.0	0.0
106	1	1.35e-04	0.47	-0.64	-3.27e-03	0.0	4.42e-06
106	2	1.04e-04	0.47	-0.49	-3.27e-03	0.0	4.42e-06
106	3	1.04e-04	0.31	-0.49	-2.18e-03	0.0	2.95e-06
106	4	0.04	0.05	-0.51	-2.81e-04	0.0	5.87e-06
106	5	0.04	-0.05	-0.51	2.81e-04	0.0	-5.87e-06
106	6	-0.04	0.05	-0.47	-2.81e-04	0.0	5.87e-06
106	7	-0.04	-0.05	-0.47	2.81e-04	0.0	-5.87e-06
106	8	0.04	0.04	-0.51	-2.73e-04	0.0	-5.55e-06
106	9	0.04	-0.04	-0.51	2.73e-04	0.0	5.55e-06
106	10	-0.04	0.04	-0.47	-2.73e-04	0.0	-5.55e-06
106	11	-0.04	-0.04	-0.47	2.73e-04	0.0	5.55e-06
106	12	0.04	0.05	-0.51	-2.81e-04	0.0	-5.87e-06
106	13	0.04	-0.05	-0.51	2.81e-04	0.0	5.87e-06
106	14	-0.04	0.05	-0.47	-2.81e-04	0.0	-5.87e-06
106	15	-0.04	-0.05	-0.47	2.81e-04	0.0	5.87e-06
106	16	0.04	0.04	-0.51	-2.73e-04	0.0	-5.55e-06
106	17	0.04	-0.04	-0.51	2.73e-04	0.0	5.55e-06
106	18	-0.04	0.04	-0.47	-2.73e-04	0.0	-5.55e-06
106	19	-0.04	-0.04	-0.47	2.73e-04	0.0	5.55e-06
106	20	0.01	0.16	-0.50	-9.38e-04	0.0	-1.96e-05
106	21	0.01	-0.16	-0.50	9.38e-04	0.0	1.96e-05
106	22	-0.01	0.16	-0.49	-9.38e-04	0.0	-1.96e-05
106	23	-0.01	-0.16	-0.49	9.38e-04	0.0	1.96e-05
106	24	0.01	0.16	-0.50	-9.38e-04	0.0	-1.96e-05
106	25	0.01	-0.16	-0.50	9.38e-04	0.0	1.96e-05
106	26	-0.01	0.16	-0.49	-9.38e-04	0.0	-1.96e-05
106	27	-0.01	-0.16	-0.49	9.38e-04	0.0	1.96e-05
106	28	0.01	0.13	-0.50	-9.10e-04	0.0	-1.85e-05
106	29	0.01	-0.13	-0.50	9.10e-04	0.0	1.85e-05
106	30	-0.01	0.13	-0.49	-9.10e-04	0.0	-1.85e-05
106	31	-0.01	-0.13	-0.49	9.10e-04	0.0	1.85e-05
106	32	0.01	0.13	-0.50	-9.10e-04	0.0	-1.85e-05
106	33	0.01	-0.13	-0.50	9.10e-04	0.0	1.85e-05
106	34	-0.01	0.13	-0.49	-9.10e-04	0.0	-1.85e-05
106	35	-0.01	-0.13	-0.49	9.10e-04	0.0	1.85e-05
106	36	0.04	0.05	-0.51	-3.01e-04	0.0	-6.23e-06
106	37	0.04	-0.05	-0.51	3.01e-04	0.0	-6.23e-06
106	38	-0.04	0.05	-0.48	-3.01e-04	0.0	6.23e-06
106	39	-0.04	-0.05	-0.48	3.01e-04	0.0	-6.23e-06
106	40	0.04	0.04	-0.51	-2.93e-04	0.0	-5.92e-06
106	41	0.04	-0.04	-0.51	2.93e-04	0.0	5.92e-06
106	42	-0.04	0.04	-0.48	-2.93e-04	0.0	-5.92e-06
106	43	-0.04	-0.04	-0.48	2.93e-04	0.0	5.92e-06
106	44	0.04	0.05	-0.51	-3.01e-04	0.0	-6.23e-06
106	45	0.04	-0.05	-0.51	3.01e-04	0.0	-6.23e-06
106	46	-0.04	0.05	-0.48	-3.01e-04	0.0	6.23e-06
106	47	-0.04	-0.05	-0.48	3.01e-04	0.0	-6.23e-06
106	48	0.04	0.04	-0.51	-2.93e-04	0.0	-5.92e-06
106	49	0.04	-0.04	-0.51	2.93e-04	0.0	5.92e-06
106	50	-0.04	0.04	-0.48	-2.93e-04	0.0	-5.92e-06
106	51	-0.04	-0.04	-0.48	2.93e-04	0.0	5.92e-06
106	52	0.01	0.17	-0.50	-1.00e-03	0.0	2.08e-05
106	53	0.01	-0.17	-0.50	1.00e-03	0.0	-2.08e-05
106	54	-0.01	0.17	-0.49	-1.00e-03	0.0	2.08e-05
106	55	-0.01	-0.17	-0.49	1.00e-03	0.0	-2.08e-05
106	56	0.01	0.17	-0.50	-1.00e-03	0.0	2.08e-05
106	57	0.01	-0.17	-0.50	1.00e-03	0.0	-2.08e-05
106	58	-0.01	0.17	-0.49	-1.00e-03	0.0	2.08e-05



106	59	-0.01	-0.17	-0.49	1.00e-03	0.0	-2.08e-05
106	60	0.01	0.14	-0.50	-9.75e-04	0.0	-1.97e-05
106	61	0.01	-0.14	-0.50	9.75e-04	0.0	1.97e-05
106	62	-0.01	0.14	-0.49	-9.75e-04	0.0	-1.97e-05
106	63	-0.01	-0.14	-0.49	9.75e-04	0.0	1.97e-05
106	64	0.01	0.14	-0.50	-9.75e-04	0.0	-1.97e-05
106	65	0.01	-0.14	-0.50	9.75e-04	0.0	1.97e-05
106	66	-0.01	0.14	-0.49	-9.75e-04	0.0	-1.97e-05
106	67	-0.01	-0.14	-0.49	9.75e-04	0.0	1.97e-05
106	68	1.04e-04	0.06	-0.49	-4.36e-04	0.0	0.0
106	69	1.04e-04	0.0	-0.49	0.0	0.0	0.0
106	70	1.04e-04	0.0	-0.49	0.0	0.0	0.0
107	1	1.39e-04	0.47	-0.64	-3.28e-03	0.0	1.59e-06
107	2	1.07e-04	0.47	-0.49	-3.28e-03	0.0	1.59e-06
107	3	1.07e-04	0.32	-0.49	-2.18e-03	0.0	1.06e-06
107	4	0.04	0.05	-0.51	-2.82e-04	0.0	5.68e-06
107	5	0.04	-0.05	-0.51	2.82e-04	0.0	-5.68e-06
107	6	-0.04	0.05	-0.47	-2.82e-04	0.0	5.68e-06
107	7	-0.04	-0.05	-0.47	2.82e-04	0.0	-5.68e-06
107	8	0.04	0.04	-0.51	-2.73e-04	0.0	-5.62e-06
107	9	0.04	-0.04	-0.51	2.73e-04	0.0	5.62e-06
107	10	-0.04	0.04	-0.47	-2.73e-04	0.0	-5.62e-06
107	11	-0.04	-0.04	-0.47	2.73e-04	0.0	5.62e-06
107	12	0.04	0.05	-0.51	-2.82e-04	0.0	5.68e-06
107	13	0.04	-0.05	-0.51	2.82e-04	0.0	-5.68e-06
107	14	-0.04	0.05	-0.47	-2.82e-04	0.0	5.68e-06
107	15	-0.04	-0.05	-0.47	2.82e-04	0.0	-5.68e-06
107	16	0.04	0.04	-0.51	-2.73e-04	0.0	-5.62e-06
107	17	0.04	-0.04	-0.51	2.73e-04	0.0	5.62e-06
107	18	-0.04	0.04	-0.47	-2.73e-04	0.0	-5.62e-06
107	19	-0.04	-0.04	-0.47	2.73e-04	0.0	5.62e-06
107	20	0.01	0.16	-0.50	-9.39e-04	0.0	1.89e-05
107	21	0.01	-0.16	-0.50	9.39e-04	0.0	-1.89e-05
107	22	-0.01	0.16	-0.49	-9.39e-04	0.0	1.89e-05
107	23	-0.01	-0.16	-0.49	9.39e-04	0.0	-1.89e-05
107	24	0.01	0.16	-0.50	-9.39e-04	0.0	1.89e-05
107	25	0.01	-0.16	-0.50	9.39e-04	0.0	-1.89e-05
107	26	-0.01	0.16	-0.49	-9.39e-04	0.0	1.89e-05
107	27	-0.01	-0.16	-0.49	9.39e-04	0.0	-1.89e-05
107	28	0.01	0.13	-0.50	-9.10e-04	0.0	-1.87e-05
107	29	0.01	-0.13	-0.50	9.10e-04	0.0	1.87e-05
107	30	-0.01	0.13	-0.49	-9.10e-04	0.0	-1.87e-05
107	31	-0.01	-0.13	-0.49	9.10e-04	0.0	1.87e-05
107	32	0.01	0.13	-0.50	-9.10e-04	0.0	-1.87e-05
107	33	0.01	-0.13	-0.50	9.10e-04	0.0	1.87e-05
107	34	-0.01	0.13	-0.49	-9.10e-04	0.0	-1.87e-05
107	35	-0.01	-0.13	-0.49	9.10e-04	0.0	1.87e-05
107	36	0.04	0.05	-0.51	-3.02e-04	0.0	6.03e-06
107	37	0.04	-0.05	-0.51	3.02e-04	0.0	-6.03e-06
107	38	-0.04	0.05	-0.47	-3.02e-04	0.0	6.03e-06
107	39	-0.04	-0.05	-0.47	3.02e-04	0.0	-6.03e-06
107	40	0.04	0.04	-0.51	-2.93e-04	0.0	-5.98e-06
107	41	0.04	-0.04	-0.51	2.93e-04	0.0	5.98e-06
107	42	-0.04	0.04	-0.47	-2.93e-04	0.0	-5.98e-06
107	43	-0.04	-0.04	-0.47	2.93e-04	0.0	5.98e-06
107	44	0.04	0.05	-0.51	-3.02e-04	0.0	6.03e-06
107	45	0.04	-0.05	-0.51	3.02e-04	0.0	-6.03e-06
107	46	-0.04	0.05	-0.47	-3.02e-04	0.0	6.03e-06
107	47	-0.04	-0.05	-0.47	3.02e-04	0.0	-6.03e-06
107	48	0.04	0.04	-0.51	-2.93e-04	0.0	-5.98e-06
107	49	0.04	-0.04	-0.51	2.93e-04	0.0	5.98e-06
107	50	-0.04	0.04	-0.47	-2.93e-04	0.0	-5.98e-06
107	51	-0.04	-0.04	-0.47	2.93e-04	0.0	5.98e-06
107	52	0.01	0.17	-0.50	-1.01e-03	0.0	2.01e-05
107	53	0.01	-0.17	-0.50	1.01e-03	0.0	-2.01e-05
107	54	-0.01	0.17	-0.49	-1.01e-03	0.0	2.01e-05
107	55	-0.01	-0.17	-0.49	1.01e-03	0.0	-2.01e-05
107	56	0.01	0.17	-0.50	-1.01e-03	0.0	2.01e-05
107	57	0.01	-0.17	-0.50	1.01e-03	0.0	-2.01e-05
107	58	-0.01	0.17	-0.49	-1.01e-03	0.0	2.01e-05
107	59	-0.01	-0.17	-0.49	1.01e-03	0.0	-2.01e-05
107	60	0.01	0.14	-0.50	-9.76e-04	0.0	-1.99e-05
107	61	0.01	-0.14	-0.50	9.76e-04	0.0	1.99e-05
107	62	-0.01	0.14	-0.49	-9.76e-04	0.0	-1.99e-05
107	63	-0.01	-0.14	-0.49	9.76e-04	0.0	1.99e-05

107	64	0.01	0.14	-0.50	-9.76e-04	0.0	-1.99e-05
107	65	0.01	-0.14	-0.50	9.76e-04	0.0	1.99e-05
107	66	-0.01	0.14	-0.49	-9.76e-04	0.0	-1.99e-05
107	67	-0.01	-0.14	-0.49	9.76e-04	0.0	1.99e-05
107	68	1.07e-04	0.06	-0.49	-4.37e-04	0.0	0.0
107	69	1.07e-04	0.0	-0.49	0.0	0.0	0.0
107	70	1.07e-04	0.0	-0.49	0.0	0.0	0.0
108	1	-1.98e-04	0.66	-0.64	-3.28e-03	0.0	-7.61e-06
108	2	-1.52e-04	0.66	-0.49	-3.28e-03	0.0	-7.61e-06
108	3	-1.52e-04	0.44	-0.49	-2.18e-03	0.0	-5.07e-06
108	4	0.04	0.06	-0.47	-2.73e-04	0.0	5.52e-06
108	5	0.04	-0.06	-0.47	2.73e-04	0.0	-5.52e-06
108	6	-0.04	0.06	-0.51	-2.73e-04	0.0	5.52e-06
108	7	-0.04	-0.06	-0.51	2.73e-04	0.0	-5.52e-06
108	8	0.04	0.06	-0.47	-2.81e-04	0.0	-6.13e-06
108	9	0.04	-0.06	-0.47	2.81e-04	0.0	6.13e-06
108	10	-0.04	0.06	-0.51	-2.81e-04	0.0	-6.13e-06
108	11	-0.04	-0.06	-0.51	2.81e-04	0.0	6.13e-06
108	12	0.04	0.06	-0.47	-2.73e-04	0.0	5.52e-06
108	13	0.04	-0.06	-0.47	2.73e-04	0.0	-5.52e-06
108	14	-0.04	0.06	-0.51	-2.73e-04	0.0	5.52e-06
108	15	-0.04	-0.06	-0.51	2.73e-04	0.0	-5.52e-06
108	16	0.04	0.06	-0.47	-2.81e-04	0.0	-6.13e-06
108	17	0.04	-0.06	-0.47	2.81e-04	0.0	6.13e-06
108	18	-0.04	0.06	-0.51	-2.81e-04	0.0	-6.13e-06
108	19	-0.04	-0.06	-0.51	2.81e-04	0.0	6.13e-06
108	20	0.01	0.19	-0.49	-9.10e-04	0.0	1.84e-05
108	21	0.01	-0.19	-0.49	9.10e-04	0.0	-1.84e-05
108	22	-0.01	0.19	-0.50	-9.10e-04	0.0	1.84e-05
108	23	-0.01	-0.19	-0.50	9.10e-04	0.0	-1.84e-05
108	24	0.01	0.19	-0.49	-9.10e-04	0.0	1.84e-05
108	25	0.01	-0.19	-0.49	9.10e-04	0.0	-1.84e-05
108	26	-0.01	0.19	-0.50	-9.10e-04	0.0	1.84e-05
108	27	-0.01	-0.19	-0.50	9.10e-04	0.0	-1.84e-05
108	28	0.01	0.21	-0.49	-9.38e-04	0.0	-2.04e-05
108	29	0.01	-0.21	-0.49	9.38e-04	0.0	2.04e-05
108	30	-0.01	0.21	-0.50	-9.38e-04	0.0	-2.04e-05
108	31	-0.01	-0.21	-0.50	9.38e-04	0.0	2.04e-05
108	32	0.01	0.21	-0.49	-9.38e-04	0.0	-2.04e-05
108	33	0.01	-0.21	-0.49	9.38e-04	0.0	2.04e-05
108	34	-0.01	0.21	-0.50	-9.38e-04	0.0	-2.04e-05
108	35	-0.01	-0.21	-0.50	9.38e-04	0.0	2.04e-05
108	36	0.04	0.06	-0.48	-2.93e-04	0.0	5.88e-06
108	37	0.04	-0.06	-0.48	2.93e-04	0.0	-5.88e-06
108	38	-0.04	0.06	-0.51	-2.93e-04	0.0	5.88e-06
108	39	-0.04	-0.06	-0.51	2.93e-04	0.0	-5.88e-06
108	40	0.04	0.07	-0.48	-3.01e-04	0.0	-6.51e-06
108	41	0.04	-0.07	-0.48	3.01e-04	0.0	6.51e-06
108	42	-0.04	0.07	-0.51	-3.01e-04	0.0	-6.51e-06
108	43	-0.04	-0.07	-0.51	3.01e-04	0.0	6.51e-06
108	44	0.04	0.06	-0.48	-2.93e-04	0.0	5.88e-06
108	45	0.04	-0.06	-0.48	2.93e-04	0.0	-5.88e-06
108	46	-0.04	0.06	-0.51	-2.93e-04	0.0	5.88e-06
108	47	-0.04	-0.06	-0.51	2.93e-04	0.0	-5.88e-06
108	48	0.04	0.07	-0.48	-3.01e-04	0.0	-6.51e-06
108	49	0.04	-0.07	-0.48	3.01e-04	0.0	6.51e-06
108	50	-0.04	0.07	-0.51	-3.01e-04	0.0	-6.51e-06
108	51	-0.04	-0.07	-0.51	3.01e-04	0.0	6.51e-06
108	52	0.01	0.20	-0.49	-9.76e-04	0.0	1.96e-05
108	53	0.01	-0.20	-0.49	9.76e-04	0.0	-1.96e-05
108	54	-0.01	0.20	-0.50	-9.76e-04	0.0	1.96e-05
108	55	-0.01	-0.20	-0.50	9.76e-04	0.0	-1.96e-05
108	56	0.01	0.20	-0.49	-9.76e-04	0.0	1.96e-05
108	57	0.01	-0.20	-0.49	9.76e-04	0.0	-1.96e-05
108	58	-0.01	0.20	-0.50	-9.76e-04	0.0	1.96e-05
108	59	-0.01	-0.20	-0.50	9.76e-04	0.0	-1.96e-05
108	60	0.01	0.23	-0.49	-1.00e-03	0.0	-2.17e-05
108	61	0.01	-0.23	-0.49	1.00e-03	0.0	2.17e-05
108	62	-0.01	0.23	-0.50	-1.00e-03	0.0	-2.17e-05
108	63	-0.01	-0.23	-0.50	1.00e-03	0.0	2.17e-05
108	64	0.01	0.23	-0.49	-1.00e-03	0.0	-2.17e-05
108	65	0.01	-0.23	-0.49	1.00e-03	0.0	2.17e-05
108	66	-0.01	0.23	-0.50	-1.00e-03	0.0	-2.17e-05
108	67	-0.01	-0.23	-0.50	1.00e-03	0.0	2.17e-05
108	68	-1.52e-04	0.09	-0.49	-4.37e-04	0.0	-1.01e-06

108	69	-1.52e-04	0.0	-0.49	0.0	0.0	0.0
108	70	-1.52e-04	0.0	-0.49	0.0	0.0	0.0
109	1	-1.70e-04	0.66	-0.64	-3.27e-03	0.0	0.0
109	2	-1.31e-04	0.66	-0.49	-3.27e-03	0.0	0.0
109	3	-1.31e-04	0.44	-0.49	-2.18e-03	0.0	0.0
109	4	0.04	0.06	-0.48	-2.73e-04	0.0	5.78e-06
109	5	0.04	-0.06	-0.48	2.73e-04	0.0	-5.78e-06
109	6	-0.04	0.06	-0.51	-2.73e-04	0.0	5.78e-06
109	7	-0.04	-0.06	-0.51	2.73e-04	0.0	-5.78e-06
109	8	0.04	0.06	-0.48	-2.81e-04	0.0	-6.01e-06
109	9	0.04	-0.06	-0.48	2.81e-04	0.0	6.01e-06
109	10	-0.04	0.06	-0.51	-2.81e-04	0.0	-6.01e-06
109	11	-0.04	-0.06	-0.51	2.81e-04	0.0	6.01e-06
109	12	0.04	0.06	-0.48	-2.73e-04	0.0	5.78e-06
109	13	0.04	-0.06	-0.48	2.73e-04	0.0	-5.78e-06
109	14	-0.04	0.06	-0.51	-2.73e-04	0.0	5.78e-06
109	15	-0.04	-0.06	-0.51	2.73e-04	0.0	-5.78e-06
109	16	0.04	0.06	-0.48	-2.81e-04	0.0	-6.01e-06
109	17	0.04	-0.06	-0.48	2.81e-04	0.0	6.01e-06
109	18	-0.04	0.06	-0.51	-2.81e-04	0.0	-6.01e-06
109	19	-0.04	-0.06	-0.51	2.81e-04	0.0	6.01e-06
109	20	0.01	0.19	-0.49	-9.11e-04	0.0	1.93e-05
109	21	0.01	-0.19	-0.49	9.11e-04	0.0	-1.93e-05
109	22	-0.01	0.19	-0.50	-9.11e-04	0.0	1.93e-05
109	23	-0.01	-0.19	-0.50	9.11e-04	0.0	-1.93e-05
109	24	0.01	0.19	-0.49	-9.11e-04	0.0	1.93e-05
109	25	0.01	-0.19	-0.49	9.11e-04	0.0	-1.93e-05
109	26	-0.01	0.19	-0.50	-9.11e-04	0.0	1.93e-05
109	27	-0.01	-0.19	-0.50	9.11e-04	0.0	-1.93e-05
109	28	0.01	0.21	-0.49	-9.37e-04	0.0	-2.00e-05
109	29	0.01	-0.21	-0.49	9.37e-04	0.0	2.00e-05
109	30	-0.01	0.21	-0.50	-9.37e-04	0.0	-2.00e-05
109	31	-0.01	-0.21	-0.50	9.37e-04	0.0	2.00e-05
109	32	0.01	0.21	-0.49	-9.37e-04	0.0	-2.00e-05
109	33	0.01	-0.21	-0.49	9.37e-04	0.0	2.00e-05
109	34	-0.01	0.21	-0.50	-9.37e-04	0.0	-2.00e-05
109	35	-0.01	-0.21	-0.50	9.37e-04	0.0	2.00e-05
109	36	0.04	0.06	-0.48	-2.93e-04	0.0	6.16e-06
109	37	0.04	-0.06	-0.48	2.93e-04	0.0	-6.16e-06
109	38	-0.04	0.06	-0.51	-2.93e-04	0.0	6.16e-06
109	39	-0.04	-0.06	-0.51	2.93e-04	0.0	-6.16e-06
109	40	0.04	0.07	-0.48	-3.01e-04	0.0	-6.38e-06
109	41	0.04	-0.07	-0.48	3.01e-04	0.0	6.38e-06
109	42	-0.04	0.07	-0.51	-3.01e-04	0.0	-6.38e-06
109	43	-0.04	-0.07	-0.51	3.01e-04	0.0	6.38e-06
109	44	0.04	0.06	-0.48	-2.93e-04	0.0	6.16e-06
109	45	0.04	-0.06	-0.48	2.93e-04	0.0	-6.16e-06
109	46	-0.04	0.06	-0.51	-2.93e-04	0.0	6.16e-06
109	47	-0.04	-0.06	-0.51	2.93e-04	0.0	-6.16e-06
109	48	0.04	0.07	-0.48	-3.01e-04	0.0	-6.38e-06
109	49	0.04	-0.07	-0.48	3.01e-04	0.0	6.38e-06
109	50	-0.04	0.07	-0.51	-3.01e-04	0.0	-6.38e-06
109	51	-0.04	-0.07	-0.51	3.01e-04	0.0	6.38e-06
109	52	0.01	0.20	-0.49	-9.76e-04	0.0	2.05e-05
109	53	0.01	-0.20	-0.49	9.76e-04	0.0	-2.05e-05
109	54	-0.01	0.20	-0.50	-9.76e-04	0.0	2.05e-05
109	55	-0.01	-0.20	-0.50	9.76e-04	0.0	-2.05e-05
109	56	0.01	0.20	-0.49	-9.76e-04	0.0	2.05e-05
109	57	0.01	-0.20	-0.49	9.76e-04	0.0	-2.05e-05
109	58	-0.01	0.20	-0.50	-9.76e-04	0.0	2.05e-05
109	59	-0.01	-0.20	-0.50	9.76e-04	0.0	-2.05e-05
109	60	0.01	0.23	-0.49	-1.00e-03	0.0	-2.13e-05
109	61	0.01	-0.23	-0.49	1.00e-03	0.0	2.13e-05
109	62	-0.01	0.23	-0.50	-1.00e-03	0.0	-2.13e-05
109	63	-0.01	-0.23	-0.50	1.00e-03	0.0	2.13e-05
109	64	0.01	0.23	-0.49	-1.00e-03	0.0	-2.13e-05
109	65	0.01	-0.23	-0.49	1.00e-03	0.0	2.13e-05
109	66	-0.01	0.23	-0.50	-1.00e-03	0.0	-2.13e-05
109	67	-0.01	-0.23	-0.50	1.00e-03	0.0	2.13e-05
109	68	-1.31e-04	0.09	-0.49	-4.35e-04	0.0	0.0
109	69	-1.31e-04	0.0	-0.49	0.0	0.0	0.0
109	70	-1.31e-04	0.0	-0.49	0.0	0.0	0.0
110	1	-1.47e-04	0.66	-0.64	-3.27e-03	0.0	5.96e-06
110	2	-1.13e-04	0.66	-0.49	-3.27e-03	0.0	5.96e-06
110	3	-1.13e-04	0.44	-0.49	-2.18e-03	0.0	3.97e-06

110	4	0.04	0.06	-0.48	-2.74e-04	0.0	6.08e-06
110	5	0.04	-0.06	-0.48	2.74e-04	0.0	-6.08e-06
110	6	-0.04	0.06	-0.51	-2.74e-04	0.0	6.08e-06
110	7	-0.04	-0.06	-0.51	2.74e-04	0.0	-6.08e-06
110	8	0.04	0.06	-0.48	-2.81e-04	0.0	-5.91e-06
110	9	0.04	-0.06	-0.48	2.81e-04	0.0	5.91e-06
110	10	-0.04	0.06	-0.51	-2.81e-04	0.0	-5.91e-06
110	11	-0.04	-0.06	-0.51	2.81e-04	0.0	5.91e-06
110	12	0.04	0.06	-0.48	-2.74e-04	0.0	6.08e-06
110	13	0.04	-0.06	-0.48	2.74e-04	0.0	-6.08e-06
110	14	-0.04	0.06	-0.51	-2.74e-04	0.0	6.08e-06
110	15	-0.04	-0.06	-0.51	2.74e-04	0.0	-6.08e-06
110	16	0.04	0.06	-0.48	-2.81e-04	0.0	-5.91e-06
110	17	0.04	-0.06	-0.48	2.81e-04	0.0	5.91e-06
110	18	-0.04	0.06	-0.51	-2.81e-04	0.0	-5.91e-06
110	19	-0.04	-0.06	-0.51	2.81e-04	0.0	5.91e-06
110	20	0.01	0.19	-0.49	-9.12e-04	0.0	2.03e-05
110	21	0.01	-0.19	-0.49	9.12e-04	0.0	-2.03e-05
110	22	-0.01	0.19	-0.50	-9.12e-04	0.0	2.03e-05
110	23	-0.01	-0.19	-0.50	9.12e-04	0.0	-2.03e-05
110	24	0.01	0.19	-0.49	-9.12e-04	0.0	2.03e-05
110	26	-0.01	0.19	-0.50	-9.12e-04	0.0	2.03e-05
110	27	-0.01	-0.19	-0.50	9.12e-04	0.0	-2.03e-05
110	28	0.01	0.21	-0.49	-9.36e-04	0.0	-1.97e-05
110	29	0.01	-0.21	-0.49	9.36e-04	0.0	1.97e-05
110	30	-0.01	0.21	-0.50	-9.36e-04	0.0	-1.97e-05
110	31	-0.01	-0.21	-0.50	9.36e-04	0.0	1.97e-05
110	32	0.01	0.21	-0.49	-9.36e-04	0.0	-1.97e-05
110	33	0.01	-0.21	-0.49	9.36e-04	0.0	1.97e-05
110	34	-0.01	0.21	-0.50	-9.36e-04	0.0	-1.97e-05
110	35	-0.01	-0.21	-0.50	9.36e-04	0.0	1.97e-05
110	36	0.04	0.06	-0.48	-2.93e-04	0.0	6.48e-06
110	37	0.04	-0.06	-0.48	2.93e-04	0.0	-6.48e-06
110	38	-0.04	0.06	-0.51	-2.93e-04	0.0	6.48e-06
110	39	-0.04	-0.06	-0.51	2.93e-04	0.0	-6.48e-06
110	40	0.04	0.07	-0.48	-3.01e-04	0.0	-6.26e-06
110	41	0.04	-0.07	-0.48	3.01e-04	0.0	6.26e-06
110	42	-0.04	0.07	-0.51	-3.01e-04	0.0	-6.26e-06
110	43	-0.04	-0.07	-0.51	3.01e-04	0.0	6.26e-06
110	44	0.04	0.06	-0.48	-2.93e-04	0.0	6.48e-06
110	45	0.04	-0.06	-0.48	2.93e-04	0.0	-6.48e-06
110	46	-0.04	0.06	-0.51	-2.93e-04	0.0	6.48e-06
110	47	-0.04	-0.06	-0.51	2.93e-04	0.0	-6.48e-06
110	48	0.04	0.07	-0.48	-3.01e-04	0.0	-6.26e-06
110	49	0.04	-0.07	-0.48	3.01e-04	0.0	6.26e-06
110	50	-0.04	0.07	-0.51	-3.01e-04	0.0	-6.26e-06
110	51	-0.04	-0.07	-0.51	3.01e-04	0.0	6.26e-06
110	52	0.01	0.20	-0.49	-9.77e-04	0.0	2.16e-05
110	53	0.01	-0.20	-0.49	9.77e-04	0.0	-2.16e-05
110	54	-0.01	0.20	-0.50	-9.77e-04	0.0	2.16e-05
110	55	-0.01	-0.20	-0.50	9.77e-04	0.0	-2.16e-05
110	56	0.01	0.20	-0.49	-9.77e-04	0.0	2.16e-05
110	57	0.01	-0.20	-0.49	9.77e-04	0.0	-2.16e-05
110	58	-0.01	0.20	-0.50	-9.77e-04	0.0	2.16e-05
110	59	-0.01	-0.20	-0.50	9.77e-04	0.0	-2.16e-05
110	60	0.01	0.23	-0.49	-1.00e-03	0.0	-2.09e-05
110	61	0.01	-0.23	-0.49	1.00e-03	0.0	2.09e-05
110	62	-0.01	0.23	-0.50	-1.00e-03	0.0	-2.09e-05
110	63	-0.01	-0.23	-0.50	1.00e-03	0.0	2.09e-05
110	64	0.01	0.23	-0.49	-1.00e-03	0.0	-2.09e-05
110	65	0.01	-0.23	-0.49	1.00e-03	0.0	2.09e-05
110	66	-0.01	0.23	-0.50	-1.00e-03	0.0	-2.09e-05
110	67	-0.01	-0.23	-0.50	1.00e-03	0.0	2.09e-05
110	68	-1.13e-04	0.09	-0.49	-4.36e-04	0.0	0.0
110	69	-1.13e-04	0.0	-0.49	0.0	0.0	0.0
110	70	-1.13e-04	0.0	-0.49	0.0	0.0	0.0
111	1	-1.26e-04	0.66	-0.64	-3.33e-03	0.0	0.0
111	2	-9.71e-05	0.66	-0.49	-3.33e-03	0.0	0.0
111	3	-9.71e-05	0.44	-0.49	-2.22e-03	0.0	0.0
111	4	0.04	0.06	-0.48	-2.75e-04	2.69e-05	6.06e-06
111	5	0.04	-0.06	-0.48	2.75e-04	2.69e-05	-6.06e-06
111	6	-0.04	0.06	-0.50	-2.75e-04	-2.79e-05	6.06e-06
111	7	-0.04	-0.06	-0.50	2.75e-04	-2.79e-05	-6.06e-06
111	8	0.04	0.06	-0.48	-2.82e-04	2.69e-05	-6.26e-06
111	9	0.04	-0.06	-0.48	2.82e-04	2.69e-05	6.26e-06

111	10	-0.04	0.06	-0.50	-2.82e-04	-2.79e-05	-6.26e-06
111	11	-0.04	-0.06	-0.50	2.82e-04	-2.79e-05	6.26e-06
111	12	0.04	0.06	-0.48	-2.75e-04	2.69e-05	6.06e-06
111	13	0.04	-0.06	-0.48	2.75e-04	2.69e-05	-6.06e-06
111	14	-0.04	0.06	-0.50	-2.75e-04	-2.79e-05	6.06e-06
111	15	-0.04	-0.06	-0.50	2.75e-04	-2.79e-05	-6.06e-06
111	16	0.04	0.06	-0.48	-2.82e-04	2.69e-05	-6.26e-06
111	17	0.04	-0.06	-0.48	2.82e-04	2.69e-05	6.26e-06
111	18	-0.04	0.06	-0.50	-2.82e-04	-2.79e-05	-6.26e-06
111	19	-0.04	-0.06	-0.50	2.82e-04	-2.79e-05	6.26e-06
111	20	0.01	0.19	-0.49	-9.16e-04	7.73e-06	2.02e-05
111	21	0.01	-0.19	-0.49	9.16e-04	7.73e-06	-2.02e-05
111	22	-0.01	0.19	-0.50	-9.16e-04	-8.73e-06	2.02e-05
111	23	-0.01	-0.19	-0.50	9.16e-04	-8.73e-06	-2.02e-05
111	24	0.01	0.19	-0.49	-9.16e-04	7.73e-06	2.02e-05
111	25	0.01	-0.19	-0.49	9.16e-04	7.73e-06	-2.02e-05
111	26	-0.01	0.19	-0.50	-9.16e-04	-8.73e-06	2.02e-05
111	27	-0.01	-0.19	-0.50	9.16e-04	-8.73e-06	-2.02e-05
111	28	0.01	0.21	-0.49	-9.39e-04	7.73e-06	-2.09e-05
111	29	0.01	-0.21	-0.49	9.39e-04	7.73e-06	2.09e-05
111	30	-0.01	0.21	-0.50	-9.39e-04	-8.73e-06	-2.09e-05
111	31	-0.01	-0.21	-0.50	9.39e-04	-8.73e-06	2.09e-05
111	32	0.01	0.21	-0.49	-9.39e-04	7.73e-06	-2.09e-05
111	33	0.01	-0.21	-0.49	9.39e-04	7.73e-06	2.09e-05
111	34	-0.01	0.21	-0.50	-9.39e-04	-8.73e-06	-2.09e-05
111	35	-0.01	-0.21	-0.50	9.39e-04	-8.73e-06	2.09e-05
111	36	0.04	0.06	-0.48	-2.94e-04	2.46e-05	6.47e-06
111	37	0.04	-0.06	-0.48	2.94e-04	2.46e-05	-6.47e-06
111	38	-0.04	0.06	-0.50	-2.94e-04	-2.56e-05	6.47e-06
111	39	-0.04	-0.06	-0.50	2.94e-04	-2.56e-05	-6.47e-06
111	40	0.04	0.07	-0.48	-3.02e-04	2.46e-05	-6.65e-06
111	41	0.04	-0.07	-0.48	3.02e-04	2.46e-05	6.65e-06
111	42	-0.04	0.07	-0.50	-3.02e-04	-2.56e-05	-6.65e-06
111	43	-0.04	-0.07	-0.50	3.02e-04	-2.56e-05	6.65e-06
111	44	0.04	0.06	-0.48	-2.94e-04	2.46e-05	6.47e-06
111	45	0.04	-0.06	-0.48	2.94e-04	2.46e-05	-6.47e-06
111	46	-0.04	0.06	-0.50	-2.94e-04	-2.56e-05	6.47e-06
111	47	-0.04	-0.06	-0.50	2.94e-04	-2.56e-05	-6.47e-06
111	48	0.04	0.07	-0.48	-3.02e-04	2.46e-05	-6.65e-06
111	49	0.04	-0.07	-0.48	3.02e-04	2.46e-05	6.65e-06
111	50	-0.04	0.07	-0.50	-3.02e-04	-2.56e-05	-6.65e-06
111	51	-0.04	-0.07	-0.50	3.02e-04	-2.56e-05	6.65e-06
111	52	0.01	0.20	-0.49	-9.82e-04	7.03e-06	2.16e-05
111	53	0.01	-0.20	-0.49	9.82e-04	7.03e-06	-2.16e-05
111	54	-0.01	0.20	-0.50	-9.82e-04	-8.03e-06	2.16e-05
111	55	-0.01	-0.20	-0.50	9.82e-04	-8.03e-06	-2.16e-05
111	56	0.01	0.20	-0.49	-9.82e-04	7.03e-06	2.16e-05
111	57	0.01	-0.20	-0.49	9.82e-04	7.03e-06	-2.16e-05
111	58	-0.01	0.20	-0.50	-9.82e-04	-8.03e-06	2.16e-05
111	59	-0.01	-0.20	-0.50	9.82e-04	-8.03e-06	-2.16e-05
111	60	0.01	0.22	-0.49	-1.01e-03	7.03e-06	-2.22e-05
111	61	0.01	-0.22	-0.49	1.01e-03	7.03e-06	2.22e-05
111	62	-0.01	0.22	-0.50	-1.01e-03	-8.03e-06	-2.22e-05
111	63	-0.01	-0.22	-0.50	1.01e-03	-8.03e-06	2.22e-05
111	64	0.01	0.22	-0.49	-1.01e-03	7.03e-06	-2.22e-05
111	65	0.01	-0.22	-0.49	1.01e-03	7.03e-06	2.22e-05
111	66	-0.01	0.22	-0.50	-1.01e-03	-8.03e-06	-2.22e-05
111	67	-0.01	-0.22	-0.50	1.01e-03	-8.03e-06	2.22e-05
111	68	-9.71e-05	0.09	-0.49	-4.44e-04	0.0	0.0
111	69	-9.71e-05	0.0	-0.49	0.0	0.0	0.0
111	70	-9.71e-05	0.0	-0.49	0.0	0.0	0.0
112	1	-1.08e-04	0.66	-0.64	-3.27e-03	0.0	-5.67e-06
112	2	-8.32e-05	0.66	-0.49	-3.27e-03	0.0	-5.67e-06
112	3	-8.32e-05	0.44	-0.49	-2.18e-03	0.0	-3.78e-06
112	4	0.04	0.06	-0.48	-2.74e-04	0.0	6.04e-06
112	5	0.04	-0.06	-0.48	2.74e-04	0.0	-6.04e-06
112	6	-0.04	0.06	-0.50	-2.74e-04	0.0	6.04e-06
112	7	-0.04	-0.06	-0.50	2.74e-04	0.0	-6.04e-06
112	8	0.04	0.06	-0.48	-2.80e-04	0.0	-6.60e-06
112	9	0.04	-0.06	-0.48	2.80e-04	0.0	6.60e-06
112	10	-0.04	0.06	-0.50	-2.80e-04	0.0	-6.60e-06
112	11	-0.04	-0.06	-0.50	2.80e-04	0.0	6.60e-06
112	12	0.04	0.06	-0.48	-2.74e-04	0.0	6.04e-06
112	13	0.04	-0.06	-0.48	2.74e-04	0.0	-6.04e-06
112	14	-0.04	0.06	-0.50	-2.74e-04	0.0	6.04e-06

112	15	-0.04	-0.06	-0.50	2.74e-04	0.0	-6.04e-06
112	16	0.04	0.06	-0.48	-2.80e-04	0.0	-6.60e-06
112	17	0.04	-0.06	-0.48	2.80e-04	0.0	6.60e-06
112	18	-0.04	0.06	-0.50	-2.80e-04	0.0	-6.60e-06
112	19	-0.04	-0.06	-0.50	2.80e-04	0.0	6.60e-06
112	20	0.01	0.19	-0.49	-9.14e-04	0.0	2.01e-05
112	21	0.01	-0.19	-0.49	9.14e-04	0.0	-2.01e-05
112	22	-0.01	0.19	-0.50	-9.14e-04	0.0	2.01e-05
112	23	-0.01	-0.19	-0.50	9.14e-04	0.0	-2.01e-05
112	24	0.01	0.19	-0.49	-9.14e-04	0.0	2.01e-05
112	25	0.01	-0.19	-0.49	9.14e-04	0.0	-2.01e-05
112	26	-0.01	0.19	-0.50	-9.14e-04	0.0	2.01e-05
112	27	-0.01	-0.19	-0.50	9.14e-04	0.0	-2.01e-05
112	28	0.01	0.21	-0.49	-9.33e-04	0.0	-2.20e-05
112	29	0.01	-0.21	-0.49	9.33e-04	0.0	2.20e-05
112	30	-0.01	0.21	-0.50	-9.33e-04	0.0	-2.20e-05
112	31	-0.01	-0.21	-0.50	9.33e-04	0.0	2.20e-05
112	32	0.01	0.21	-0.49	-9.33e-04	0.0	-2.20e-05
112	33	0.01	-0.21	-0.49	9.33e-04	0.0	2.20e-05
112	34	-0.01	0.21	-0.50	-9.33e-04	0.0	-2.20e-05
112	35	-0.01	-0.21	-0.50	9.33e-04	0.0	2.20e-05
112	36	0.04	0.06	-0.48	-2.94e-04	0.0	6.44e-06
112	37	0.04	-0.06	-0.48	2.94e-04	0.0	-6.44e-06
112	38	-0.04	0.06	-0.50	-2.94e-04	0.0	6.44e-06
112	39	-0.04	-0.06	-0.50	2.94e-04	0.0	-6.44e-06
112	40	0.04	0.07	-0.48	-3.00e-04	0.0	-7.02e-06
112	41	0.04	-0.07	-0.48	3.00e-04	0.0	7.02e-06
112	42	-0.04	0.07	-0.50	-3.00e-04	0.0	-7.02e-06
112	43	-0.04	-0.07	-0.50	3.00e-04	0.0	7.02e-06
112	44	0.04	0.06	-0.48	-2.94e-04	0.0	6.44e-06
112	45	0.04	-0.06	-0.48	2.94e-04	0.0	-6.44e-06
112	46	-0.04	0.06	-0.50	-2.94e-04	0.0	6.44e-06
112	47	-0.04	-0.06	-0.50	2.94e-04	0.0	-6.44e-06
112	48	0.04	0.07	-0.48	-3.00e-04	0.0	-7.02e-06
112	49	0.04	-0.07	-0.48	3.00e-04	0.0	7.02e-06
112	50	-0.04	0.07	-0.50	-3.00e-04	0.0	-7.02e-06
112	51	-0.04	-0.07	-0.50	3.00e-04	0.0	7.02e-06
112	52	0.01	0.21	-0.49	-9.80e-04	0.0	2.15e-05
112	53	0.01	-0.21	-0.49	9.80e-04	0.0	-2.15e-05
112	54	-0.01	0.21	-0.49	-9.80e-04	0.0	2.15e-05
112	55	-0.01	-0.21	-0.49	9.80e-04	0.0	-2.15e-05
112	56	0.01	0.21	-0.49	-9.80e-04	0.0	2.15e-05
112	57	0.01	-0.21	-0.49	9.80e-04	0.0	-2.15e-05
112	58	-0.01	0.21	-0.49	-9.80e-04	0.0	2.15e-05
112	59	-0.01	-0.21	-0.49	9.80e-04	0.0	-2.15e-05
112	60	0.01	0.22	-0.49	-1.00e-03	0.0	-2.34e-05
112	61	0.01	-0.22	-0.49	1.00e-03	0.0	2.34e-05
112	62	-0.01	0.22	-0.49	-1.00e-03	0.0	-2.34e-05
112	63	-0.01	-0.22	-0.49	1.00e-03	0.0	2.34e-05
112	64	0.01	0.22	-0.49	-1.00e-03	0.0	-2.34e-05
112	65	0.01	-0.22	-0.49	1.00e-03	0.0	2.34e-05
112	66	-0.01	0.22	-0.49	-1.00e-03	0.0	-2.34e-05
112	67	-0.01	-0.22	-0.49	1.00e-03	0.0	2.34e-05
112	68	-8.32e-05	0.09	-0.49	-4.36e-04	0.0	0.0
112	69	-8.32e-05	0.0	-0.49	0.0	0.0	0.0
112	70	-8.32e-05	0.0	-0.49	0.0	0.0	0.0
113	1	-8.51e-05	0.66	-0.64	-3.27e-03	0.0	0.0
113	2	-6.55e-05	0.66	-0.49	-3.27e-03	0.0	0.0
113	3	-6.55e-05	0.44	-0.49	-2.18e-03	0.0	0.0
113	4	0.04	0.06	-0.48	-2.75e-04	0.0	6.34e-06
113	5	0.04	-0.06	-0.48	2.75e-04	0.0	-6.34e-06
113	6	-0.04	0.06	-0.50	-2.75e-04	0.0	6.34e-06
113	7	-0.04	-0.06	-0.50	2.75e-04	0.0	-6.34e-06
113	8	0.04	0.06	-0.48	-2.79e-04	0.0	-6.46e-06
113	9	0.04	-0.06	-0.48	2.79e-04	0.0	6.46e-06
113	10	-0.04	0.06	-0.50	-2.79e-04	0.0	-6.46e-06
113	11	-0.04	-0.06	-0.50	2.79e-04	0.0	6.46e-06
113	12	0.04	0.06	-0.48	-2.75e-04	0.0	6.34e-06
113	13	0.04	-0.06	-0.48	2.75e-04	0.0	-6.34e-06
113	14	-0.04	0.06	-0.50	-2.75e-04	0.0	6.34e-06
113	15	-0.04	-0.06	-0.50	2.75e-04	0.0	-6.34e-06
113	16	0.04	0.06	-0.48	-2.79e-04	0.0	-6.46e-06
113	17	0.04	-0.06	-0.48	2.79e-04	0.0	6.46e-06
113	18	-0.04	0.06	-0.50	-2.79e-04	0.0	-6.46e-06
113	19	-0.04	-0.06	-0.50	2.79e-04	0.0	6.46e-06

113	20	0.01	0.19	-0.49	-9.16e-04	0.0	2.11e-05
113	21	0.01	-0.19	-0.49	9.16e-04	0.0	-2.11e-05
113	22	-0.01	0.19	-0.49	-9.16e-04	0.0	2.11e-05
113	23	-0.01	-0.19	-0.49	9.16e-04	0.0	-2.11e-05
113	24	0.01	0.19	-0.49	-9.16e-04	0.0	2.11e-05
113	25	0.01	-0.19	-0.49	9.16e-04	0.0	-2.11e-05
113	26	-0.01	0.19	-0.49	-9.16e-04	0.0	2.11e-05
113	27	-0.01	-0.19	-0.49	9.16e-04	0.0	-2.11e-05
113	28	0.01	0.21	-0.49	-9.31e-04	0.0	-2.15e-05
113	29	0.01	-0.21	-0.49	9.31e-04	0.0	2.15e-05
113	30	-0.01	0.21	-0.49	-9.31e-04	0.0	-2.15e-05
113	31	-0.01	-0.21	-0.49	9.31e-04	0.0	2.15e-05
113	32	0.01	0.21	-0.49	-9.31e-04	0.0	-2.15e-05
113	33	0.01	-0.21	-0.49	9.31e-04	0.0	2.15e-05
113	34	-0.01	0.21	-0.49	-9.31e-04	0.0	-2.15e-05
113	35	-0.01	-0.21	-0.49	9.31e-04	0.0	2.15e-05
113	36	0.04	0.06	-0.48	-2.94e-04	0.0	6.76e-06
113	37	0.04	-0.06	-0.48	2.94e-04	0.0	-6.76e-06
113	38	-0.04	0.06	-0.50	-2.94e-04	0.0	6.76e-06
113	39	-0.04	-0.06	-0.50	2.94e-04	0.0	-6.76e-06
113	40	0.04	0.07	-0.48	-2.99e-04	0.0	-6.87e-06
113	41	0.04	-0.07	-0.48	2.99e-04	0.0	6.87e-06
113	42	-0.04	0.07	-0.50	-2.99e-04	0.0	-6.87e-06
113	43	-0.04	-0.07	-0.50	2.99e-04	0.0	6.87e-06
113	44	0.04	0.06	-0.48	-2.94e-04	0.0	6.76e-06
113	45	0.04	-0.06	-0.48	2.94e-04	0.0	-6.76e-06
113	46	-0.04	0.06	-0.50	-2.94e-04	0.0	6.76e-06
113	47	-0.04	-0.06	-0.50	2.94e-04	0.0	-6.76e-06
113	48	0.04	0.07	-0.48	-2.99e-04	0.0	-6.87e-06
113	49	0.04	-0.07	-0.48	2.99e-04	0.0	6.87e-06
113	50	-0.04	0.07	-0.50	-2.99e-04	0.0	-6.87e-06
113	51	-0.04	-0.07	-0.50	2.99e-04	0.0	6.87e-06
113	52	0.01	0.21	-0.49	-9.81e-04	0.0	2.25e-05
113	53	0.01	-0.21	-0.49	9.81e-04	0.0	-2.25e-05
113	54	-0.01	0.21	-0.49	-9.81e-04	0.0	2.25e-05
113	55	-0.01	-0.21	-0.49	9.81e-04	0.0	-2.25e-05
113	56	0.01	0.21	-0.49	-9.81e-04	0.0	2.25e-05
113	57	0.01	-0.21	-0.49	9.81e-04	0.0	-2.25e-05
113	58	-0.01	0.21	-0.49	-9.81e-04	0.0	2.25e-05
113	59	-0.01	-0.21	-0.49	9.81e-04	0.0	-2.25e-05
113	60	0.01	0.22	-0.49	-9.98e-04	0.0	-2.29e-05
113	61	0.01	-0.22	-0.49	9.98e-04	0.0	2.29e-05
113	62	-0.01	0.22	-0.49	-9.98e-04	0.0	-2.29e-05
113	63	-0.01	-0.22	-0.49	9.98e-04	0.0	2.29e-05
113	64	0.01	0.22	-0.49	-9.98e-04	0.0	-2.29e-05
113	65	0.01	-0.22	-0.49	9.98e-04	0.0	2.29e-05
113	66	-0.01	0.22	-0.49	-9.98e-04	0.0	-2.29e-05
113	67	-0.01	-0.22	-0.49	9.98e-04	0.0	2.29e-05
113	68	-6.55e-05	0.09	-0.49	-4.35e-04	0.0	0.0
113	69	-6.55e-05	0.0	-0.49	0.0	0.0	0.0
113	70	-6.55e-05	0.0	-0.49	0.0	0.0	0.0
114	1	-6.17e-05	0.66	-0.64	-3.27e-03	0.0	6.83e-06
114	2	-4.75e-05	0.66	-0.49	-3.27e-03	0.0	6.83e-06
114	3	-4.75e-05	0.44	-0.49	-2.18e-03	0.0	4.55e-06
114	4	0.04	0.06	-0.49	-2.75e-04	0.0	6.61e-06
114	5	0.04	-0.06	-0.49	2.75e-04	0.0	-6.61e-06
114	6	-0.04	0.06	-0.50	-2.75e-04	0.0	6.61e-06
114	7	-0.04	-0.06	-0.50	2.75e-04	0.0	-6.61e-06
114	8	0.04	0.06	-0.49	-2.79e-04	0.0	-6.30e-06
114	9	0.04	-0.06	-0.49	2.79e-04	0.0	6.30e-06
114	10	-0.04	0.06	-0.50	-2.79e-04	0.0	-6.30e-06
114	11	-0.04	-0.06	-0.50	2.79e-04	0.0	6.30e-06
114	12	0.04	0.06	-0.49	-2.75e-04	0.0	6.61e-06
114	13	0.04	-0.06	-0.49	2.75e-04	0.0	-6.61e-06
114	14	-0.04	0.06	-0.50	-2.75e-04	0.0	6.61e-06
114	15	-0.04	-0.06	-0.50	2.75e-04	0.0	-6.61e-06
114	16	0.04	0.06	-0.49	-2.79e-04	0.0	-6.30e-06
114	17	0.04	-0.06	-0.49	2.79e-04	0.0	6.30e-06
114	18	-0.04	0.06	-0.50	-2.79e-04	0.0	-6.30e-06
114	19	-0.04	-0.06	-0.50	2.79e-04	0.0	6.30e-06
114	20	0.01	0.20	-0.49	-9.17e-04	0.0	2.20e-05
114	21	0.01	-0.20	-0.49	9.17e-04	0.0	-2.20e-05
114	22	-0.01	0.20	-0.49	-9.17e-04	0.0	2.20e-05
114	23	-0.01	-0.20	-0.49	9.17e-04	0.0	-2.20e-05
114	24	0.01	0.20	-0.49	-9.17e-04	0.0	2.20e-05

114	25	0.01	-0.20	-0.49	9.17e-04	0.0	-2.20e-05
114	26	-0.01	0.20	-0.49	-9.17e-04	0.0	2.20e-05
114	27	-0.01	-0.20	-0.49	9.17e-04	0.0	-2.20e-05
114	28	0.01	0.21	-0.49	-9.29e-04	0.0	-2.10e-05
114	29	0.01	-0.21	-0.49	9.29e-04	0.0	2.10e-05
114	30	-0.01	0.21	-0.49	-9.29e-04	0.0	-2.10e-05
114	31	-0.01	-0.21	-0.49	9.29e-04	0.0	2.10e-05
114	32	0.01	0.21	-0.49	-9.29e-04	0.0	-2.10e-05
114	33	0.01	-0.21	-0.49	9.29e-04	0.0	2.10e-05
114	34	-0.01	0.21	-0.49	-9.29e-04	0.0	-2.10e-05
114	35	-0.01	-0.21	-0.49	9.29e-04	0.0	2.10e-05
114	36	0.04	0.06	-0.49	-2.95e-04	0.0	7.05e-06
114	37	0.04	-0.06	-0.49	2.95e-04	0.0	-7.05e-06
114	38	-0.04	0.06	-0.50	-2.95e-04	0.0	7.05e-06
114	39	-0.04	-0.06	-0.50	2.95e-04	0.0	-7.05e-06
114	40	0.04	0.07	-0.49	-2.99e-04	0.0	-6.69e-06
114	41	0.04	-0.07	-0.49	2.99e-04	0.0	6.69e-06
114	42	-0.04	0.07	-0.50	-2.99e-04	0.0	-6.69e-06
114	43	-0.04	-0.07	-0.50	2.99e-04	0.0	6.69e-06
114	44	0.04	0.06	-0.49	-2.95e-04	0.0	7.05e-06
114	45	0.04	-0.06	-0.49	2.95e-04	0.0	-7.05e-06
114	46	-0.04	0.06	-0.50	-2.95e-04	0.0	7.05e-06
114	47	-0.04	-0.06	-0.50	2.95e-04	0.0	-7.05e-06
114	48	0.04	0.07	-0.49	-2.99e-04	0.0	-6.69e-06
114	49	0.04	-0.07	-0.49	2.99e-04	0.0	6.69e-06
114	50	-0.04	0.07	-0.50	-2.99e-04	0.0	-6.69e-06
114	51	-0.04	-0.07	-0.50	2.99e-04	0.0	6.69e-06
114	52	0.01	0.21	-0.49	-9.83e-04	0.0	2.35e-05
114	53	0.01	-0.21	-0.49	9.83e-04	0.0	-2.35e-05
114	54	-0.01	0.21	-0.49	-9.83e-04	0.0	2.35e-05
114	55	-0.01	-0.21	-0.49	9.83e-04	0.0	-2.35e-05
114	56	0.01	0.21	-0.49	-9.83e-04	0.0	2.35e-05
114	57	0.01	-0.21	-0.49	9.83e-04	0.0	-2.35e-05
114	58	-0.01	0.21	-0.49	-9.83e-04	0.0	2.35e-05
114	59	-0.01	-0.21	-0.49	9.83e-04	0.0	-2.35e-05
114	60	0.01	0.22	-0.49	-9.96e-04	0.0	-2.23e-05
114	61	0.01	-0.22	-0.49	9.96e-04	0.0	2.23e-05
114	62	-0.01	0.22	-0.49	-9.96e-04	0.0	-2.23e-05
114	63	-0.01	-0.22	-0.49	9.96e-04	0.0	2.23e-05
114	64	0.01	0.22	-0.49	-9.96e-04	0.0	-2.23e-05
114	65	0.01	-0.22	-0.49	9.96e-04	0.0	2.23e-05
114	67	-0.01	-0.22	-0.49	9.96e-04	0.0	2.23e-05
114	68	-4.75e-05	0.09	-0.49	-4.36e-04	0.0	0.0
114	69	-4.75e-05	0.0	-0.49	0.0	0.0	0.0
114	70	-4.75e-05	0.0	-0.49	0.0	0.0	0.0
115	1	-4.20e-05	0.66	-0.64	-3.33e-03	0.0	0.0
115	2	-3.23e-05	0.66	-0.49	-3.33e-03	0.0	0.0
115	3	-3.23e-05	0.44	-0.49	-2.22e-03	0.0	0.0
115	4	0.04	0.06	-0.49	-2.77e-04	2.68e-05	6.49e-06
115	5	0.04	-0.06	-0.49	2.77e-04	2.68e-05	-6.49e-06
115	6	-0.04	0.06	-0.50	-2.77e-04	-2.71e-05	6.49e-06
115	7	-0.04	-0.06	-0.50	2.77e-04	-2.71e-05	-6.49e-06
115	8	0.04	0.06	-0.49	-2.79e-04	2.68e-05	-6.56e-06
115	9	0.04	-0.06	-0.49	2.79e-04	2.68e-05	6.56e-06
115	10	-0.04	0.06	-0.50	-2.79e-04	-2.71e-05	-6.56e-06
115	11	-0.04	-0.06	-0.50	2.79e-04	-2.71e-05	6.56e-06
115	12	0.04	0.06	-0.49	-2.77e-04	2.68e-05	6.49e-06
115	13	0.04	-0.06	-0.49	2.77e-04	2.68e-05	-6.49e-06
115	14	-0.04	0.06	-0.50	-2.77e-04	-2.71e-05	6.49e-06
115	15	-0.04	-0.06	-0.50	2.77e-04	-2.71e-05	-6.49e-06
115	16	0.04	0.06	-0.49	-2.79e-04	2.68e-05	-6.56e-06
115	17	0.04	-0.06	-0.49	2.79e-04	2.68e-05	6.56e-06
115	18	-0.04	0.06	-0.50	-2.79e-04	-2.71e-05	-6.56e-06
115	19	-0.04	-0.06	-0.50	2.79e-04	-2.71e-05	6.56e-06
115	20	0.01	0.20	-0.49	-9.23e-04	7.91e-06	2.16e-05
115	21	0.01	-0.20	-0.49	9.23e-04	7.91e-06	-2.16e-05
115	22	-0.01	0.20	-0.49	-9.23e-04	-8.25e-06	2.16e-05
115	23	-0.01	-0.20	-0.49	9.23e-04	-8.25e-06	-2.16e-05
115	24	0.01	0.20	-0.49	-9.23e-04	7.91e-06	2.16e-05
115	25	0.01	-0.20	-0.49	9.23e-04	7.91e-06	-2.16e-05
115	26	-0.01	0.20	-0.49	-9.23e-04	-8.25e-06	2.16e-05
115	27	-0.01	-0.20	-0.49	9.23e-04	-8.25e-06	-2.16e-05
115	28	0.01	0.20	-0.49	-9.32e-04	7.91e-06	-2.19e-05
115	29	0.01	-0.20	-0.49	9.32e-04	7.91e-06	2.19e-05
115	30	-0.01	0.20	-0.49	-9.32e-04	-8.25e-06	-2.19e-05



115	31	-0.01	-0.20	-0.49	9.32e-04	-8.25e-06	2.19e-05
115	32	0.01	0.20	-0.49	-9.32e-04	7.91e-06	-2.19e-05
115	33	0.01	-0.20	-0.49	9.32e-04	7.91e-06	2.19e-05
115	34	-0.01	0.20	-0.49	-9.32e-04	-8.25e-06	-2.19e-05
115	35	-0.01	-0.20	-0.49	9.32e-04	-8.25e-06	2.19e-05
115	36	0.04	0.06	-0.49	-2.97e-04	2.44e-05	6.92e-06
115	37	0.04	-0.06	-0.49	2.97e-04	2.44e-05	-6.92e-06
115	38	-0.04	0.06	-0.50	-2.97e-04	-2.48e-05	6.92e-06
115	39	-0.04	-0.06	-0.50	2.97e-04	-2.48e-05	-6.92e-06
115	40	0.04	0.07	-0.49	-3.00e-04	2.44e-05	-6.98e-06
115	41	0.04	-0.07	-0.49	3.00e-04	2.44e-05	6.98e-06
115	42	-0.04	0.07	-0.50	-3.00e-04	-2.48e-05	-6.98e-06
115	43	-0.04	-0.07	-0.50	3.00e-04	-2.48e-05	6.98e-06
115	44	0.04	0.06	-0.49	-2.97e-04	2.44e-05	6.92e-06
115	45	0.04	-0.06	-0.49	2.97e-04	2.44e-05	-6.92e-06
115	46	-0.04	0.06	-0.50	-2.97e-04	-2.48e-05	6.92e-06
115	47	-0.04	-0.06	-0.50	2.97e-04	-2.48e-05	-6.92e-06
115	48	0.04	0.07	-0.49	-3.00e-04	2.44e-05	-6.98e-06
115	49	0.04	-0.07	-0.49	3.00e-04	2.44e-05	6.98e-06
115	50	-0.04	0.07	-0.50	-3.00e-04	-2.48e-05	-6.98e-06
115	51	-0.04	-0.07	-0.50	3.00e-04	-2.48e-05	6.98e-06
115	52	0.01	0.21	-0.49	-9.89e-04	7.22e-06	2.31e-05
115	53	0.01	-0.21	-0.49	9.89e-04	7.22e-06	-2.31e-05
115	54	-0.01	0.21	-0.49	-9.89e-04	-7.55e-06	2.31e-05
115	55	-0.01	-0.21	-0.49	9.89e-04	-7.55e-06	-2.31e-05
115	56	0.01	0.21	-0.49	-9.89e-04	7.22e-06	2.31e-05
115	57	0.01	-0.21	-0.49	9.89e-04	7.22e-06	-2.31e-05
115	58	-0.01	0.21	-0.49	-9.89e-04	-7.55e-06	2.31e-05
115	59	-0.01	-0.21	-0.49	9.89e-04	-7.55e-06	-2.31e-05
115	60	0.01	0.22	-0.49	-9.98e-04	7.22e-06	-2.33e-05
115	61	0.01	-0.22	-0.49	9.98e-04	7.22e-06	2.33e-05
115	62	-0.01	0.22	-0.49	-9.98e-04	-7.55e-06	-2.33e-05
115	63	-0.01	-0.22	-0.49	9.98e-04	-7.55e-06	2.33e-05
115	64	0.01	0.22	-0.49	-9.98e-04	7.22e-06	-2.33e-05
115	65	0.01	-0.22	-0.49	9.98e-04	7.22e-06	2.33e-05
115	66	-0.01	0.22	-0.49	-9.98e-04	-7.55e-06	-2.33e-05
115	67	-0.01	-0.22	-0.49	9.98e-04	-7.55e-06	2.33e-05
115	68	-3.23e-05	0.09	-0.49	-4.45e-04	0.0	0.0
115	69	-3.23e-05	0.0	-0.49	0.0	0.0	0.0
115	70	-3.23e-05	0.0	-0.49	0.0	0.0	0.0
116	1	-2.32e-05	0.66	-0.64	-3.27e-03	0.0	-6.18e-06
116	2	-1.78e-05	0.66	-0.49	-3.27e-03	0.0	-6.18e-06
116	3	-1.78e-05	0.44	-0.49	-2.18e-03	0.0	-4.12e-06
116	4	0.04	0.06	-0.49	-2.76e-04	0.0	6.36e-06
116	5	0.04	-0.06	-0.49	2.76e-04	0.0	-6.36e-06
116	6	-0.04	0.06	-0.49	-2.76e-04	0.0	6.36e-06
116	7	-0.04	-0.06	-0.49	2.76e-04	0.0	-6.36e-06
116	8	0.04	0.06	-0.49	-2.78e-04	0.0	-6.80e-06
116	9	0.04	-0.06	-0.49	2.78e-04	0.0	6.80e-06
116	10	-0.04	0.06	-0.49	-2.78e-04	0.0	-6.80e-06
116	11	-0.04	-0.06	-0.49	2.78e-04	0.0	6.80e-06
116	12	0.04	0.06	-0.49	-2.76e-04	0.0	6.36e-06
116	13	0.04	-0.06	-0.49	2.76e-04	0.0	-6.36e-06
116	14	-0.04	0.06	-0.49	-2.76e-04	0.0	6.36e-06
116	15	-0.04	-0.06	-0.49	2.76e-04	0.0	-6.36e-06
116	16	0.04	0.06	-0.49	-2.78e-04	0.0	-6.80e-06
116	17	0.04	-0.06	-0.49	2.78e-04	0.0	6.80e-06
116	18	-0.04	0.06	-0.49	-2.78e-04	0.0	-6.80e-06
116	19	-0.04	-0.06	-0.49	2.78e-04	0.0	6.80e-06
116	20	0.01	0.20	-0.49	-9.21e-04	0.0	2.12e-05
116	21	0.01	-0.20	-0.49	9.21e-04	0.0	-2.12e-05
116	22	-0.01	0.20	-0.49	-9.21e-04	0.0	2.12e-05
116	23	-0.01	-0.20	-0.49	9.21e-04	0.0	-2.12e-05
116	24	0.01	0.20	-0.49	-9.21e-04	0.0	2.12e-05
116	25	0.01	-0.20	-0.49	9.21e-04	0.0	-2.12e-05
116	26	-0.01	0.20	-0.49	-9.21e-04	0.0	2.12e-05
116	27	-0.01	-0.20	-0.49	9.21e-04	0.0	-2.12e-05
116	28	0.01	0.20	-0.49	-9.25e-04	0.0	-2.27e-05
116	29	0.01	-0.20	-0.49	9.25e-04	0.0	2.27e-05
116	30	-0.01	0.20	-0.49	-9.25e-04	0.0	-2.27e-05
116	31	-0.01	-0.20	-0.49	9.25e-04	0.0	2.27e-05
116	32	0.01	0.20	-0.49	-9.25e-04	0.0	-2.27e-05
116	33	0.01	-0.20	-0.49	9.25e-04	0.0	2.27e-05
116	34	-0.01	0.20	-0.49	-9.25e-04	0.0	-2.27e-05
116	35	-0.01	-0.20	-0.49	9.25e-04	0.0	2.27e-05

116	36	0.04	0.06	-0.49	-2.96e-04	0.0	6.77e-06
116	37	0.04	-0.06	-0.49	2.96e-04	0.0	-6.77e-06
116	38	-0.04	0.06	-0.49	-2.96e-04	0.0	6.77e-06
116	39	-0.04	-0.06	-0.49	2.96e-04	0.0	-6.77e-06
116	40	0.04	0.06	-0.49	-2.97e-04	0.0	-7.24e-06
116	41	0.04	-0.06	-0.49	2.97e-04	0.0	7.24e-06
116	42	-0.04	0.06	-0.49	-2.97e-04	0.0	-7.24e-06
116	43	-0.04	-0.06	-0.49	2.97e-04	0.0	7.24e-06
116	44	0.04	0.06	-0.49	-2.96e-04	0.0	6.77e-06
116	45	0.04	-0.06	-0.49	2.96e-04	0.0	-6.77e-06
116	46	-0.04	0.06	-0.49	-2.96e-04	0.0	6.77e-06
116	47	-0.04	-0.06	-0.49	2.96e-04	0.0	-6.77e-06
116	48	0.04	0.06	-0.49	-2.97e-04	0.0	-7.24e-06
116	49	0.04	-0.06	-0.49	2.97e-04	0.0	7.24e-06
116	50	-0.04	0.06	-0.49	-2.97e-04	0.0	-7.24e-06
116	51	-0.04	-0.06	-0.49	2.97e-04	0.0	7.24e-06
116	52	0.01	0.21	-0.49	-9.87e-04	0.0	2.26e-05
116	53	0.01	-0.21	-0.49	9.87e-04	0.0	-2.26e-05
116	54	-0.01	0.21	-0.49	-9.87e-04	0.0	2.26e-05
116	55	-0.01	-0.21	-0.49	9.87e-04	0.0	-2.26e-05
116	56	0.01	0.21	-0.49	-9.87e-04	0.0	2.26e-05
116	57	0.01	-0.21	-0.49	9.87e-04	0.0	-2.26e-05
116	58	-0.01	0.21	-0.49	-9.87e-04	0.0	2.26e-05
116	59	-0.01	-0.21	-0.49	9.87e-04	0.0	-2.26e-05
116	60	0.01	0.22	-0.49	-9.92e-04	0.0	2.41e-05
116	61	0.01	-0.22	-0.49	9.92e-04	0.0	-2.41e-05
116	62	-0.01	0.22	-0.49	-9.92e-04	0.0	2.41e-05
116	63	-0.01	-0.22	-0.49	9.92e-04	0.0	-2.41e-05
116	64	0.01	0.22	-0.49	-9.92e-04	0.0	2.41e-05
116	65	0.01	-0.22	-0.49	9.92e-04	0.0	-2.41e-05
116	66	-0.01	0.22	-0.49	-9.92e-04	0.0	2.41e-05
116	67	-0.01	-0.22	-0.49	9.92e-04	0.0	-2.41e-05
116	68	-1.78e-05	0.09	-0.49	-4.37e-04	0.0	0.0
116	69	-1.78e-05	0.0	-0.49	0.0	0.0	0.0
116	70	-1.78e-05	0.0	-0.49	0.0	0.0	0.0
117	1	0.0	0.66	-0.64	-3.27e-03	0.0	0.0
117	2	0.0	0.66	-0.49	-3.27e-03	0.0	0.0
117	3	0.0	0.44	-0.49	-2.18e-03	0.0	0.0
117	4	0.04	0.06	-0.49	-2.77e-04	0.0	6.59e-06
117	5	0.04	-0.06	-0.49	2.77e-04	0.0	-6.59e-06
117	6	-0.04	0.06	-0.49	-2.77e-04	0.0	6.59e-06
117	7	-0.04	-0.06	-0.49	2.77e-04	0.0	-6.59e-06
117	8	0.04	0.06	-0.49	-2.77e-04	0.0	6.59e-06
117	9	0.04	-0.06	-0.49	2.77e-04	0.0	-6.59e-06
117	10	-0.04	0.06	-0.49	-2.77e-04	0.0	6.59e-06
117	11	-0.04	-0.06	-0.49	2.77e-04	0.0	-6.59e-06
117	12	0.04	0.06	-0.49	-2.77e-04	0.0	6.59e-06
117	13	0.04	-0.06	-0.49	2.77e-04	0.0	-6.59e-06
117	14	-0.04	0.06	-0.49	-2.77e-04	0.0	6.59e-06
117	15	-0.04	-0.06	-0.49	2.77e-04	0.0	-6.59e-06
117	16	0.04	0.06	-0.49	-2.77e-04	0.0	6.59e-06
117	17	0.04	-0.06	-0.49	2.77e-04	0.0	-6.59e-06
117	18	-0.04	0.06	-0.49	-2.77e-04	0.0	6.59e-06
117	19	-0.04	-0.06	-0.49	2.77e-04	0.0	-6.59e-06
117	20	0.01	0.20	-0.49	-9.23e-04	0.0	2.20e-05
117	21	0.01	-0.20	-0.49	9.23e-04	0.0	-2.20e-05
117	22	-0.01	0.20	-0.49	-9.23e-04	0.0	2.20e-05
117	23	-0.01	-0.20	-0.49	9.23e-04	0.0	-2.20e-05
117	24	0.01	0.20	-0.49	-9.23e-04	0.0	2.20e-05
117	25	0.01	-0.20	-0.49	9.23e-04	0.0	-2.20e-05
117	26	-0.01	0.20	-0.49	-9.23e-04	0.0	2.20e-05
117	27	-0.01	-0.20	-0.49	9.23e-04	0.0	-2.20e-05
117	28	0.01	0.20	-0.49	-9.23e-04	0.0	2.20e-05
117	29	0.01	-0.20	-0.49	9.23e-04	0.0	-2.20e-05
117	30	-0.01	0.20	-0.49	-9.23e-04	0.0	2.20e-05
117	31	-0.01	-0.20	-0.49	9.23e-04	0.0	-2.20e-05
117	32	0.01	0.20	-0.49	-9.23e-04	0.0	2.20e-05
117	33	0.01	-0.20	-0.49	9.23e-04	0.0	-2.20e-05
117	34	-0.01	0.20	-0.49	-9.23e-04	0.0	2.20e-05
117	35	-0.01	-0.20	-0.49	9.23e-04	0.0	-2.20e-05
117	36	0.04	0.06	-0.49	-2.97e-04	0.0	7.02e-06
117	37	0.04	-0.06	-0.49	2.97e-04	0.0	-7.02e-06
117	38	-0.04	0.06	-0.49	-2.97e-04	0.0	7.02e-06
117	39	-0.04	-0.06	-0.49	2.97e-04	0.0	-7.02e-06
117	40	0.04	0.06	-0.49	-2.97e-04	0.0	-7.02e-06

117	41	0.04	-0.06	-0.49	2.97e-04	0.0	7.02e-06
117	42	-0.04	0.06	-0.49	-2.97e-04	0.0	-7.02e-06
117	43	-0.04	-0.06	-0.49	2.97e-04	0.0	7.02e-06
117	44	0.04	0.06	-0.49	-2.97e-04	0.0	7.02e-06
117	45	0.04	-0.06	-0.49	2.97e-04	0.0	-7.02e-06
117	46	-0.04	0.06	-0.49	-2.97e-04	0.0	7.02e-06
117	47	-0.04	-0.06	-0.49	2.97e-04	0.0	-7.02e-06
117	48	0.04	0.06	-0.49	-2.97e-04	0.0	-7.02e-06
117	49	0.04	-0.06	-0.49	2.97e-04	0.0	7.02e-06
117	50	-0.04	0.06	-0.49	-2.97e-04	0.0	-7.02e-06
117	51	-0.04	-0.06	-0.49	2.97e-04	0.0	7.02e-06
117	52	0.01	0.21	-0.49	-9.89e-04	0.0	2.34e-05
117	53	0.01	-0.21	-0.49	9.89e-04	0.0	-2.34e-05
117	54	-0.01	0.21	-0.49	-9.89e-04	0.0	2.34e-05
117	55	-0.01	-0.21	-0.49	9.89e-04	0.0	-2.34e-05
117	56	0.01	0.21	-0.49	-9.89e-04	0.0	2.34e-05
117	57	0.01	-0.21	-0.49	9.89e-04	0.0	-2.34e-05
117	58	-0.01	0.21	-0.49	-9.89e-04	0.0	2.34e-05
117	59	-0.01	-0.21	-0.49	9.89e-04	0.0	-2.34e-05
117	60	0.01	0.21	-0.49	-9.89e-04	0.0	2.34e-05
117	61	0.01	-0.21	-0.49	9.89e-04	0.0	-2.34e-05
117	62	-0.01	0.21	-0.49	-9.89e-04	0.0	2.34e-05
117	63	-0.01	-0.21	-0.49	9.89e-04	0.0	-2.34e-05
117	64	0.01	0.21	-0.49	-9.89e-04	0.0	2.34e-05
117	65	0.01	-0.21	-0.49	9.89e-04	0.0	-2.34e-05
117	66	-0.01	0.21	-0.49	-9.89e-04	0.0	2.34e-05
117	67	-0.01	-0.21	-0.49	9.89e-04	0.0	-2.34e-05
117	68	0.0	0.09	-0.49	-4.36e-04	0.0	0.0
117	69	0.0	0.0	-0.49	0.0	0.0	0.0
117	70	0.0	0.0	-0.49	0.0	0.0	0.0
118	1	2.32e-05	0.66	-0.64	-3.27e-03	0.0	6.18e-06
118	2	1.78e-05	0.66	-0.49	-3.27e-03	0.0	6.18e-06
118	3	1.78e-05	0.44	-0.49	-2.18e-03	0.0	4.12e-06
118	4	0.04	0.06	-0.49	-2.78e-04	0.0	6.80e-06
118	5	0.04	-0.06	-0.49	2.78e-04	0.0	-6.80e-06
118	6	-0.04	0.06	-0.49	-2.78e-04	0.0	6.80e-06
118	7	-0.04	-0.06	-0.49	2.78e-04	0.0	-6.80e-06
118	8	0.04	0.06	-0.49	-2.76e-04	0.0	-6.36e-06
118	9	0.04	-0.06	-0.49	2.76e-04	0.0	6.36e-06
118	10	-0.04	0.06	-0.49	-2.76e-04	0.0	-6.36e-06
118	11	-0.04	-0.06	-0.49	2.76e-04	0.0	6.36e-06
118	12	0.04	0.06	-0.49	-2.78e-04	0.0	6.80e-06
118	13	0.04	-0.06	-0.49	2.78e-04	0.0	-6.80e-06
118	14	-0.04	0.06	-0.49	-2.78e-04	0.0	6.80e-06
118	15	-0.04	-0.06	-0.49	2.78e-04	0.0	-6.80e-06
118	16	0.04	0.06	-0.49	-2.76e-04	0.0	-6.36e-06
118	17	0.04	-0.06	-0.49	2.76e-04	0.0	6.36e-06
118	18	-0.04	0.06	-0.49	-2.76e-04	0.0	-6.36e-06
118	19	-0.04	-0.06	-0.49	2.76e-04	0.0	6.36e-06
118	20	0.01	0.20	-0.49	-9.25e-04	0.0	2.27e-05
118	21	0.01	-0.20	-0.49	9.25e-04	0.0	-2.27e-05
118	22	-0.01	0.20	-0.49	-9.25e-04	0.0	2.27e-05
118	23	-0.01	-0.20	-0.49	9.25e-04	0.0	-2.27e-05
118	24	0.01	0.20	-0.49	-9.25e-04	0.0	2.27e-05
118	25	0.01	-0.20	-0.49	9.25e-04	0.0	-2.27e-05
118	26	-0.01	0.20	-0.49	-9.25e-04	0.0	2.27e-05
118	27	-0.01	-0.20	-0.49	9.25e-04	0.0	-2.27e-05
118	28	0.01	0.20	-0.49	-9.21e-04	0.0	-2.12e-05
118	29	0.01	-0.20	-0.49	9.21e-04	0.0	2.12e-05
118	30	-0.01	0.20	-0.49	-9.21e-04	0.0	-2.12e-05
118	31	-0.01	-0.20	-0.49	9.21e-04	0.0	2.12e-05
118	32	0.01	0.20	-0.49	-9.21e-04	0.0	-2.12e-05
118	33	0.01	-0.20	-0.49	9.21e-04	0.0	2.12e-05
118	34	-0.01	0.20	-0.49	-9.21e-04	0.0	-2.12e-05
118	35	-0.01	-0.20	-0.49	9.21e-04	0.0	2.12e-05
118	36	0.04	0.06	-0.49	-2.97e-04	0.0	7.24e-06
118	37	0.04	-0.06	-0.49	2.97e-04	0.0	-7.24e-06
118	38	-0.04	0.06	-0.49	-2.97e-04	0.0	7.24e-06
118	39	-0.04	-0.06	-0.49	2.97e-04	0.0	-7.24e-06
118	40	0.04	0.06	-0.49	-2.96e-04	0.0	-6.77e-06
118	41	0.04	-0.06	-0.49	2.96e-04	0.0	6.77e-06
118	42	-0.04	0.06	-0.49	-2.96e-04	0.0	-6.77e-06
118	43	-0.04	-0.06	-0.49	2.96e-04	0.0	6.77e-06
118	44	0.04	0.06	-0.49	-2.97e-04	0.0	7.24e-06
118	45	0.04	-0.06	-0.49	2.97e-04	0.0	-7.24e-06

118	46	-0.04	0.06	-0.49	-2.97e-04	0.0	7.24e-06
118	47	-0.04	-0.06	-0.49	2.97e-04	0.0	-7.24e-06
118	48	0.04	0.06	-0.49	-2.96e-04	0.0	-6.77e-06
118	49	0.04	-0.06	-0.49	2.96e-04	0.0	6.77e-06
118	50	-0.04	0.06	-0.49	-2.96e-04	0.0	-6.77e-06
118	51	-0.04	-0.06	-0.49	2.96e-04	0.0	6.77e-06
118	52	0.01	0.22	-0.49	-9.92e-04	0.0	2.41e-05
118	53	0.01	-0.22	-0.49	9.92e-04	0.0	-2.41e-05
118	54	-0.01	0.22	-0.49	-9.92e-04	0.0	2.41e-05
118	55	-0.01	-0.22	-0.49	9.92e-04	0.0	-2.41e-05
118	56	0.01	0.22	-0.49	-9.92e-04	0.0	2.41e-05
118	57	0.01	-0.22	-0.49	9.92e-04	0.0	-2.41e-05
118	58	-0.01	0.22	-0.49	-9.92e-04	0.0	2.41e-05
118	59	-0.01	-0.22	-0.49	9.92e-04	0.0	-2.41e-05
118	60	0.01	0.21	-0.49	-9.87e-04	0.0	-2.26e-05
118	61	0.01	-0.21	-0.49	9.87e-04	0.0	2.26e-05
118	62	-0.01	0.21	-0.49	-9.87e-04	0.0	-2.26e-05
118	63	-0.01	-0.21	-0.49	9.87e-04	0.0	2.26e-05
118	64	0.01	0.21	-0.49	-9.87e-04	0.0	-2.26e-05
118	65	0.01	-0.21	-0.49	9.87e-04	0.0	2.26e-05
118	66	-0.01	0.21	-0.49	-9.87e-04	0.0	-2.26e-05
118	67	-0.01	-0.21	-0.49	9.87e-04	0.0	2.26e-05
118	68	1.78e-05	0.09	-0.49	-4.37e-04	0.0	0.0
118	69	1.78e-05	0.0	-0.49	0.0	0.0	0.0
118	70	1.78e-05	0.0	-0.49	0.0	0.0	0.0
119	1	4.20e-05	0.66	-0.64	-3.33e-03	0.0	0.0
119	2	3.23e-05	0.66	-0.49	-3.33e-03	0.0	0.0
119	3	3.23e-05	0.44	-0.49	-2.22e-03	0.0	0.0
119	4	0.04	0.06	-0.50	-2.79e-04	2.71e-05	6.56e-06
119	5	0.04	-0.06	-0.50	2.79e-04	2.71e-05	-6.56e-06
119	6	-0.04	0.06	-0.49	-2.79e-04	-2.68e-05	6.56e-06
119	7	-0.04	-0.06	-0.49	2.79e-04	-2.68e-05	-6.56e-06
119	8	0.04	0.06	-0.50	-2.77e-04	2.71e-05	-6.49e-06
119	9	0.04	-0.06	-0.50	2.77e-04	2.71e-05	6.49e-06
119	10	-0.04	0.06	-0.49	-2.77e-04	-2.68e-05	-6.49e-06
119	11	-0.04	-0.06	-0.49	2.77e-04	-2.68e-05	6.49e-06
119	12	0.04	0.06	-0.50	-2.79e-04	2.71e-05	6.56e-06
119	13	0.04	-0.06	-0.50	2.79e-04	2.71e-05	-6.56e-06
119	14	-0.04	0.06	-0.49	-2.79e-04	-2.68e-05	6.56e-06
119	15	-0.04	-0.06	-0.49	2.79e-04	-2.68e-05	-6.56e-06
119	16	0.04	0.06	-0.50	-2.77e-04	2.71e-05	-6.49e-06
119	17	0.04	-0.06	-0.50	2.77e-04	2.71e-05	6.49e-06
119	18	-0.04	0.06	-0.49	-2.77e-04	-2.68e-05	-6.49e-06
119	19	-0.04	-0.06	-0.49	2.77e-04	-2.68e-05	6.49e-06
119	20	0.01	0.20	-0.49	-9.32e-04	8.25e-06	2.19e-05
119	21	0.01	-0.20	-0.49	9.32e-04	8.25e-06	-2.19e-05
119	22	-0.01	0.20	-0.49	-9.32e-04	-7.91e-06	2.19e-05
119	23	-0.01	-0.20	-0.49	9.32e-04	-7.91e-06	-2.19e-05
119	24	0.01	0.20	-0.49	-9.32e-04	8.25e-06	2.19e-05
119	25	0.01	-0.20	-0.49	9.32e-04	8.25e-06	-2.19e-05
119	26	-0.01	0.20	-0.49	-9.32e-04	-7.91e-06	2.19e-05
119	27	-0.01	-0.20	-0.49	9.32e-04	-7.91e-06	-2.19e-05
119	28	0.01	0.20	-0.49	-9.23e-04	8.25e-06	-2.16e-05
119	29	0.01	-0.20	-0.49	9.23e-04	8.25e-06	2.16e-05
119	30	-0.01	0.20	-0.49	-9.23e-04	-7.91e-06	-2.16e-05
119	31	-0.01	-0.20	-0.49	9.23e-04	-7.91e-06	2.16e-05
119	32	0.01	0.20	-0.49	-9.23e-04	8.25e-06	-2.16e-05
119	33	0.01	-0.20	-0.49	9.23e-04	8.25e-06	2.16e-05
119	34	-0.01	0.20	-0.49	-9.23e-04	-7.91e-06	-2.16e-05
119	35	-0.01	-0.20	-0.49	9.23e-04	-7.91e-06	2.16e-05
119	36	0.04	0.07	-0.50	-3.00e-04	2.48e-05	6.98e-06
119	37	0.04	-0.07	-0.50	3.00e-04	2.48e-05	-6.98e-06
119	38	-0.04	0.07	-0.49	-3.00e-04	-2.44e-05	6.98e-06
119	39	-0.04	-0.07	-0.49	3.00e-04	-2.44e-05	-6.98e-06
119	40	0.04	0.06	-0.50	-2.97e-04	2.48e-05	-6.92e-06
119	41	0.04	-0.06	-0.50	2.97e-04	2.48e-05	6.92e-06
119	42	-0.04	0.06	-0.49	-2.97e-04	-2.44e-05	-6.92e-06
119	43	-0.04	-0.06	-0.49	2.97e-04	-2.44e-05	6.92e-06
119	44	0.04	0.07	-0.50	-3.00e-04	2.48e-05	6.98e-06
119	45	0.04	-0.07	-0.50	3.00e-04	2.48e-05	-6.98e-06
119	46	-0.04	0.07	-0.49	-3.00e-04	-2.44e-05	6.98e-06
119	47	-0.04	-0.07	-0.49	3.00e-04	-2.44e-05	-6.98e-06
119	48	0.04	0.06	-0.50	-2.97e-04	2.48e-05	-6.92e-06
119	49	0.04	-0.06	-0.50	2.97e-04	2.48e-05	6.92e-06
119	50	-0.04	0.06	-0.49	-2.97e-04	-2.44e-05	-6.92e-06

119	51	-0.04	-0.06	-0.49	2.97e-04	-2.44e-05	6.92e-06
119	52	0.01	0.22	-0.49	-9.98e-04	7.55e-06	2.33e-05
119	53	0.01	-0.22	-0.49	9.98e-04	7.55e-06	-2.33e-05
119	54	-0.01	0.22	-0.49	-9.98e-04	-7.22e-06	2.33e-05
119	55	-0.01	-0.22	-0.49	9.98e-04	-7.22e-06	-2.33e-05
119	56	0.01	0.22	-0.49	-9.98e-04	7.55e-06	2.33e-05
119	57	0.01	-0.22	-0.49	9.98e-04	7.55e-06	-2.33e-05
119	58	-0.01	0.22	-0.49	-9.98e-04	-7.22e-06	2.33e-05
119	59	-0.01	-0.22	-0.49	9.98e-04	-7.22e-06	-2.33e-05
119	60	0.01	0.21	-0.49	-9.89e-04	7.55e-06	-2.31e-05
119	61	0.01	-0.21	-0.49	9.89e-04	7.55e-06	2.31e-05
119	62	-0.01	0.21	-0.49	-9.89e-04	-7.22e-06	-2.31e-05
119	63	-0.01	-0.21	-0.49	9.89e-04	-7.22e-06	2.31e-05
119	64	0.01	0.21	-0.49	-9.89e-04	7.55e-06	-2.31e-05
119	65	0.01	-0.21	-0.49	9.89e-04	7.55e-06	2.31e-05
119	66	-0.01	0.21	-0.49	-9.89e-04	-7.22e-06	-2.31e-05
119	67	-0.01	-0.21	-0.49	9.89e-04	-7.22e-06	2.31e-05
119	68	3.23e-05	0.09	-0.49	-4.45e-04	0.0	0.0
119	69	3.23e-05	0.0	-0.49	0.0	0.0	0.0
119	70	3.23e-05	0.0	-0.49	0.0	0.0	0.0
120	1	6.17e-05	0.66	-0.64	-3.27e-03	0.0	-6.83e-06
120	2	4.75e-05	0.66	-0.49	-3.27e-03	0.0	-6.83e-06
120	3	4.75e-05	0.44	-0.49	-2.18e-03	0.0	-4.55e-06
120	4	0.04	0.06	-0.50	-2.79e-04	0.0	6.30e-06
120	5	0.04	-0.06	-0.50	2.79e-04	0.0	-6.30e-06
120	6	-0.04	0.06	-0.49	-2.79e-04	0.0	6.30e-06
120	7	-0.04	-0.06	-0.49	2.79e-04	0.0	-6.30e-06
120	8	0.04	0.06	-0.50	-2.75e-04	0.0	-6.61e-06
120	9	0.04	-0.06	-0.50	2.75e-04	0.0	6.61e-06
120	10	-0.04	0.06	-0.49	-2.75e-04	0.0	-6.61e-06
120	11	-0.04	-0.06	-0.49	2.75e-04	0.0	6.61e-06
120	12	0.04	0.06	-0.50	-2.79e-04	0.0	6.30e-06
120	13	0.04	-0.06	-0.50	2.79e-04	0.0	-6.30e-06
120	14	-0.04	0.06	-0.49	-2.79e-04	0.0	6.30e-06
120	15	-0.04	-0.06	-0.49	2.79e-04	0.0	-6.30e-06
120	16	0.04	0.06	-0.50	-2.75e-04	0.0	-6.61e-06
120	17	0.04	-0.06	-0.50	2.75e-04	0.0	6.61e-06
120	18	-0.04	0.06	-0.49	-2.75e-04	0.0	-6.61e-06
120	19	-0.04	-0.06	-0.49	2.75e-04	0.0	6.61e-06
120	20	0.01	0.21	-0.49	-9.29e-04	0.0	2.10e-05
120	21	0.01	-0.21	-0.49	9.29e-04	0.0	-2.10e-05
120	22	-0.01	0.21	-0.49	-9.29e-04	0.0	2.10e-05
120	23	-0.01	-0.21	-0.49	9.29e-04	0.0	-2.10e-05
120	24	0.01	0.21	-0.49	-9.29e-04	0.0	2.10e-05
120	25	0.01	-0.21	-0.49	9.29e-04	0.0	-2.10e-05
120	26	-0.01	0.21	-0.49	-9.29e-04	0.0	2.10e-05
120	27	-0.01	-0.21	-0.49	9.29e-04	0.0	-2.10e-05
120	28	0.01	0.20	-0.49	-9.17e-04	0.0	-2.20e-05
120	29	0.01	-0.20	-0.49	9.17e-04	0.0	2.20e-05
120	30	-0.01	0.20	-0.49	-9.17e-04	0.0	-2.20e-05
120	31	-0.01	-0.20	-0.49	9.17e-04	0.0	2.20e-05
120	32	0.01	0.20	-0.49	-9.17e-04	0.0	-2.20e-05
120	33	0.01	-0.20	-0.49	9.17e-04	0.0	2.20e-05
120	34	-0.01	0.20	-0.49	-9.17e-04	0.0	-2.20e-05
120	35	-0.01	-0.20	-0.49	9.17e-04	0.0	2.20e-05
120	36	0.04	0.07	-0.50	-2.99e-04	0.0	6.69e-06
120	37	0.04	-0.07	-0.50	2.99e-04	0.0	-6.69e-06
120	38	-0.04	0.07	-0.49	-2.99e-04	0.0	6.69e-06
120	39	-0.04	-0.07	-0.49	2.99e-04	0.0	-6.69e-06
120	40	0.04	0.06	-0.50	-2.95e-04	0.0	-7.05e-06
120	41	0.04	-0.06	-0.50	2.95e-04	0.0	7.05e-06
120	42	-0.04	0.06	-0.49	-2.95e-04	0.0	-7.05e-06
120	43	-0.04	-0.06	-0.49	2.95e-04	0.0	7.05e-06
120	44	0.04	0.07	-0.50	-2.99e-04	0.0	6.69e-06
120	45	0.04	-0.07	-0.50	2.99e-04	0.0	-6.69e-06
120	46	-0.04	0.07	-0.49	-2.99e-04	0.0	6.69e-06
120	47	-0.04	-0.07	-0.49	2.99e-04	0.0	-6.69e-06
120	48	0.04	0.06	-0.50	-2.95e-04	0.0	-7.05e-06
120	49	0.04	-0.06	-0.50	2.95e-04	0.0	7.05e-06
120	50	-0.04	0.06	-0.49	-2.95e-04	0.0	-7.05e-06
120	51	-0.04	-0.06	-0.49	2.95e-04	0.0	7.05e-06
120	52	0.01	0.22	-0.49	-9.96e-04	0.0	2.23e-05
120	53	0.01	-0.22	-0.49	9.96e-04	0.0	-2.23e-05
120	54	-0.01	0.22	-0.49	-9.96e-04	0.0	2.23e-05
120	55	-0.01	-0.22	-0.49	9.96e-04	0.0	-2.23e-05

120	56	0.01	0.22	-0.49	-9.96e-04	0.0	2.23e-05
120	57	0.01	-0.22	-0.49	9.96e-04	0.0	-2.23e-05
120	58	-0.01	0.22	-0.49	-9.96e-04	0.0	2.23e-05
120	59	-0.01	-0.22	-0.49	9.96e-04	0.0	-2.23e-05
120	60	0.01	0.21	-0.49	-9.83e-04	0.0	-2.35e-05
120	61	0.01	-0.21	-0.49	9.83e-04	0.0	2.35e-05
120	62	-0.01	0.21	-0.49	-9.83e-04	0.0	-2.35e-05
120	63	-0.01	-0.21	-0.49	9.83e-04	0.0	2.35e-05
120	64	0.01	0.21	-0.49	-9.83e-04	0.0	-2.35e-05
120	65	0.01	-0.21	-0.49	9.83e-04	0.0	2.35e-05
120	66	-0.01	0.21	-0.49	-9.83e-04	0.0	-2.35e-05
120	67	-0.01	-0.21	-0.49	9.83e-04	0.0	2.35e-05
120	68	4.75e-05	0.09	-0.49	-4.36e-04	0.0	0.0
120	69	4.75e-05	0.0	-0.49	0.0	0.0	0.0
120	70	4.75e-05	0.0	-0.49	0.0	0.0	0.0
121	1	8.51e-05	0.66	-0.64	-3.27e-03	0.0	0.0
121	2	6.55e-05	0.66	-0.49	-3.27e-03	0.0	0.0
121	3	6.55e-05	0.44	-0.49	-2.18e-03	0.0	0.0
121	4	0.04	0.06	-0.50	-2.79e-04	0.0	6.46e-06
121	5	0.04	-0.06	-0.50	2.79e-04	0.0	-6.46e-06
121	6	-0.04	0.06	-0.48	-2.79e-04	0.0	6.46e-06
121	7	-0.04	-0.06	-0.48	2.79e-04	0.0	-6.46e-06
121	8	0.04	0.06	-0.50	-2.75e-04	0.0	-6.34e-06
121	9	0.04	-0.06	-0.50	2.75e-04	0.0	6.34e-06
121	10	-0.04	0.06	-0.48	-2.75e-04	0.0	-6.34e-06
121	11	-0.04	-0.06	-0.48	2.75e-04	0.0	6.34e-06
121	12	0.04	0.06	-0.50	-2.79e-04	0.0	6.46e-06
121	13	0.04	-0.06	-0.50	2.79e-04	0.0	-6.46e-06
121	14	-0.04	0.06	-0.48	-2.79e-04	0.0	6.46e-06
121	15	-0.04	-0.06	-0.48	2.79e-04	0.0	-6.46e-06
121	16	0.04	0.06	-0.50	-2.75e-04	0.0	-6.34e-06
121	17	0.04	-0.06	-0.50	2.75e-04	0.0	6.34e-06
121	18	-0.04	0.06	-0.48	-2.75e-04	0.0	-6.34e-06
121	19	-0.04	-0.06	-0.48	2.75e-04	0.0	6.34e-06
121	20	0.01	0.21	-0.49	-9.31e-04	0.0	2.15e-05
121	21	0.01	-0.21	-0.49	9.31e-04	0.0	-2.15e-05
121	22	-0.01	0.21	-0.49	-9.31e-04	0.0	2.15e-05
121	23	-0.01	-0.21	-0.49	9.31e-04	0.0	-2.15e-05
121	24	0.01	0.21	-0.49	-9.31e-04	0.0	2.15e-05
121	25	0.01	-0.21	-0.49	9.31e-04	0.0	-2.15e-05
121	26	-0.01	0.21	-0.49	-9.31e-04	0.0	2.15e-05
121	27	-0.01	-0.21	-0.49	9.31e-04	0.0	-2.15e-05
121	28	0.01	0.19	-0.49	-9.16e-04	0.0	-2.11e-05
121	29	0.01	-0.19	-0.49	9.16e-04	0.0	2.11e-05
121	30	-0.01	0.19	-0.49	-9.16e-04	0.0	-2.11e-05
121	31	-0.01	-0.19	-0.49	9.16e-04	0.0	2.11e-05
121	32	0.01	0.19	-0.49	-9.16e-04	0.0	-2.11e-05
121	33	0.01	-0.19	-0.49	9.16e-04	0.0	2.11e-05
121	34	-0.01	0.19	-0.49	-9.16e-04	0.0	-2.11e-05
121	35	-0.01	-0.19	-0.49	9.16e-04	0.0	2.11e-05
121	36	0.04	0.07	-0.50	-2.99e-04	0.0	6.87e-06
121	37	0.04	-0.07	-0.50	2.99e-04	0.0	-6.87e-06
121	38	-0.04	0.07	-0.48	-2.99e-04	0.0	6.87e-06
121	39	-0.04	-0.07	-0.48	2.99e-04	0.0	-6.87e-06
121	40	0.04	0.06	-0.50	-2.94e-04	0.0	-6.76e-06
121	41	0.04	-0.06	-0.50	2.94e-04	0.0	6.76e-06
121	42	-0.04	0.06	-0.48	-2.94e-04	0.0	-6.76e-06
121	43	-0.04	-0.06	-0.48	2.94e-04	0.0	6.76e-06
121	44	0.04	0.07	-0.50	-2.99e-04	0.0	6.87e-06
121	45	0.04	-0.07	-0.50	2.99e-04	0.0	-6.87e-06
121	46	-0.04	0.07	-0.48	-2.99e-04	0.0	6.87e-06
121	47	-0.04	-0.07	-0.48	2.99e-04	0.0	-6.87e-06
121	48	0.04	0.06	-0.50	-2.94e-04	0.0	-6.76e-06
121	49	0.04	-0.06	-0.50	2.94e-04	0.0	6.76e-06
121	50	-0.04	0.06	-0.48	-2.94e-04	0.0	-6.76e-06
121	51	-0.04	-0.06	-0.48	2.94e-04	0.0	6.76e-06
121	52	0.01	0.22	-0.49	-9.98e-04	0.0	2.29e-05
121	53	0.01	-0.22	-0.49	9.98e-04	0.0	-2.29e-05
121	54	-0.01	0.22	-0.49	-9.98e-04	0.0	2.29e-05
121	55	-0.01	-0.22	-0.49	9.98e-04	0.0	-2.29e-05
121	56	0.01	0.22	-0.49	-9.98e-04	0.0	2.29e-05
121	57	0.01	-0.22	-0.49	9.98e-04	0.0	-2.29e-05
121	58	-0.01	0.22	-0.49	-9.98e-04	0.0	2.29e-05
121	59	-0.01	-0.22	-0.49	9.98e-04	0.0	-2.29e-05
121	60	0.01	0.21	-0.49	-9.81e-04	0.0	-2.25e-05

121	61	0.01	-0.21	-0.49	9.81e-04	0.0	2.25e-05
121	62	-0.01	0.21	-0.49	-9.81e-04	0.0	-2.25e-05
121	63	-0.01	-0.21	-0.49	9.81e-04	0.0	2.25e-05
121	64	0.01	0.21	-0.49	-9.81e-04	0.0	-2.25e-05
121	65	0.01	-0.21	-0.49	9.81e-04	0.0	2.25e-05
121	66	-0.01	0.21	-0.49	-9.81e-04	0.0	-2.25e-05
121	67	-0.01	-0.21	-0.49	9.81e-04	0.0	2.25e-05
121	68	6.55e-05	0.09	-0.49	-4.35e-04	0.0	0.0
121	69	6.55e-05	0.0	-0.49	0.0	0.0	0.0
121	70	6.55e-05	0.0	-0.49	0.0	0.0	0.0
122	1	1.08e-04	0.66	-0.64	-3.27e-03	0.0	5.67e-06
122	2	8.32e-05	0.66	-0.49	-3.27e-03	0.0	5.67e-06
122	3	8.32e-05	0.44	-0.49	-2.18e-03	0.0	3.78e-06
122	4	0.04	0.06	-0.50	-2.80e-04	0.0	6.60e-06
122	5	0.04	-0.06	-0.50	2.80e-04	0.0	-6.60e-06
122	6	-0.04	0.06	-0.48	-2.80e-04	0.0	6.60e-06
122	7	-0.04	-0.06	-0.48	2.80e-04	0.0	-6.60e-06
122	8	0.04	0.06	-0.50	-2.74e-04	0.0	-6.04e-06
122	9	0.04	-0.06	-0.50	2.74e-04	0.0	6.04e-06
122	10	-0.04	0.06	-0.48	-2.74e-04	0.0	-6.04e-06
122	11	-0.04	-0.06	-0.48	2.74e-04	0.0	6.04e-06
122	12	0.04	0.06	-0.50	-2.80e-04	0.0	-6.60e-06
122	13	0.04	-0.06	-0.50	2.80e-04	0.0	6.60e-06
122	14	-0.04	0.06	-0.48	-2.80e-04	0.0	-6.60e-06
122	15	-0.04	-0.06	-0.48	2.80e-04	0.0	6.60e-06
122	16	0.04	0.06	-0.50	-2.74e-04	0.0	-6.04e-06
122	17	0.04	-0.06	-0.50	2.74e-04	0.0	6.04e-06
122	18	-0.04	0.06	-0.48	-2.74e-04	0.0	-6.04e-06
122	19	-0.04	-0.06	-0.48	2.74e-04	0.0	6.04e-06
122	20	0.01	0.21	-0.50	-9.33e-04	0.0	2.20e-05
122	21	0.01	-0.21	-0.50	9.33e-04	0.0	-2.20e-05
122	22	-0.01	0.21	-0.49	-9.33e-04	0.0	2.20e-05
122	23	-0.01	-0.21	-0.49	9.33e-04	0.0	-2.20e-05
122	24	0.01	0.21	-0.50	-9.33e-04	0.0	2.20e-05
122	25	0.01	-0.21	-0.50	9.33e-04	0.0	-2.20e-05
122	26	-0.01	0.21	-0.49	-9.33e-04	0.0	2.20e-05
122	27	-0.01	-0.21	-0.49	9.33e-04	0.0	-2.20e-05
122	28	0.01	0.19	-0.50	-9.14e-04	0.0	2.01e-05
122	29	0.01	-0.19	-0.50	9.14e-04	0.0	-2.01e-05
122	30	-0.01	0.19	-0.49	-9.14e-04	0.0	2.01e-05
122	31	-0.01	-0.19	-0.49	9.14e-04	0.0	-2.01e-05
122	32	0.01	0.19	-0.50	-9.14e-04	0.0	2.01e-05
122	33	0.01	-0.19	-0.50	9.14e-04	0.0	-2.01e-05
122	34	-0.01	0.19	-0.49	-9.14e-04	0.0	2.01e-05
122	35	-0.01	-0.19	-0.49	9.14e-04	0.0	-2.01e-05
122	36	0.04	0.07	-0.50	-3.00e-04	0.0	7.02e-06
122	37	0.04	-0.07	-0.50	3.00e-04	0.0	-7.02e-06
122	38	-0.04	0.07	-0.48	-3.00e-04	0.0	7.02e-06
122	39	-0.04	-0.07	-0.48	3.00e-04	0.0	-7.02e-06
122	40	0.04	0.06	-0.50	-2.94e-04	0.0	6.44e-06
122	41	0.04	-0.06	-0.50	2.94e-04	0.0	-6.44e-06
122	42	-0.04	0.06	-0.48	-2.94e-04	0.0	6.44e-06
122	43	-0.04	-0.06	-0.48	2.94e-04	0.0	-6.44e-06
122	44	0.04	0.06	-0.50	-3.00e-04	0.0	7.02e-06
122	45	0.04	-0.07	-0.50	3.00e-04	0.0	-7.02e-06
122	46	-0.04	0.07	-0.48	-3.00e-04	0.0	7.02e-06
122	47	-0.04	-0.07	-0.48	3.00e-04	0.0	-7.02e-06
122	48	0.04	0.06	-0.50	-2.94e-04	0.0	6.44e-06
122	49	0.04	-0.06	-0.50	2.94e-04	0.0	-6.44e-06
122	50	-0.04	0.06	-0.48	-2.94e-04	0.0	6.44e-06
122	51	-0.04	-0.06	-0.48	2.94e-04	0.0	-6.44e-06
122	52	0.01	0.22	-0.49	-1.00e-03	0.0	2.34e-05
122	53	0.01	-0.22	-0.49	1.00e-03	0.0	-2.34e-05
122	54	-0.01	0.22	-0.49	-1.00e-03	0.0	2.34e-05
122	55	-0.01	-0.22	-0.49	1.00e-03	0.0	-2.34e-05
122	56	0.01	0.22	-0.49	-1.00e-03	0.0	2.34e-05
122	57	0.01	-0.22	-0.49	1.00e-03	0.0	-2.34e-05
122	58	-0.01	0.22	-0.49	-1.00e-03	0.0	2.34e-05
122	59	-0.01	-0.22	-0.49	1.00e-03	0.0	-2.34e-05
122	60	0.01	0.21	-0.49	-9.80e-04	0.0	2.15e-05
122	61	0.01	-0.21	-0.49	9.80e-04	0.0	-2.15e-05
122	62	-0.01	0.21	-0.49	-9.80e-04	0.0	2.15e-05
122	63	-0.01	-0.21	-0.49	9.80e-04	0.0	-2.15e-05
122	64	0.01	0.21	-0.49	-9.80e-04	0.0	2.15e-05
122	65	0.01	-0.21	-0.49	9.80e-04	0.0	-2.15e-05
122	66	-0.01	0.21	-0.49	-9.80e-04	0.0	2.15e-05

122	67	-0.01	-0.21	-0.49	9.80e-04	0.0	2.15e-05
122	68	8.32e-05	0.09	-0.49	-4.36e-04	0.0	0.0
122	69	8.32e-05	0.0	-0.49	0.0	0.0	0.0
122	70	8.32e-05	0.0	-0.49	0.0	0.0	0.0
123	1	1.26e-04	0.66	-0.64	-3.33e-03	0.0	0.0
123	2	9.71e-05	0.66	-0.49	-3.33e-03	0.0	0.0
123	3	9.71e-05	0.44	-0.49	-2.22e-03	0.0	0.0
123	4	0.04	0.06	-0.50	-2.82e-04	2.79e-05	6.26e-06
123	5	0.04	-0.06	-0.50	2.82e-04	2.79e-05	-6.26e-06
123	6	-0.04	0.06	-0.48	-2.82e-04	-2.69e-05	6.26e-06
123	7	-0.04	-0.06	-0.48	2.82e-04	-2.69e-05	-6.26e-06
123	8	0.04	0.06	-0.50	-2.75e-04	2.79e-05	-6.06e-06
123	9	0.04	-0.06	-0.50	2.75e-04	2.79e-05	6.06e-06
123	10	-0.04	0.06	-0.48	-2.75e-04	-2.69e-05	-6.06e-06
123	11	-0.04	-0.06	-0.48	2.75e-04	-2.69e-05	6.06e-06
123	12	0.04	0.06	-0.50	-2.82e-04	2.79e-05	6.26e-06
123	13	0.04	-0.06	-0.50	2.82e-04	2.79e-05	-6.26e-06
123	14	-0.04	0.06	-0.48	-2.82e-04	-2.69e-05	6.26e-06
123	15	-0.04	-0.06	-0.48	2.82e-04	-2.69e-05	-6.26e-06
123	16	0.04	0.06	-0.50	-2.75e-04	2.79e-05	-6.06e-06
123	17	0.04	-0.06	-0.50	2.75e-04	2.79e-05	6.06e-06
123	18	-0.04	0.06	-0.48	-2.75e-04	-2.69e-05	-6.06e-06
123	19	-0.04	-0.06	-0.48	2.75e-04	-2.69e-05	6.06e-06
123	20	0.01	0.21	-0.50	-9.39e-04	8.73e-06	2.09e-05
123	21	0.01	-0.21	-0.50	9.39e-04	8.73e-06	-2.09e-05
123	22	-0.01	0.21	-0.49	-9.39e-04	-7.73e-06	2.09e-05
123	23	-0.01	-0.21	-0.49	9.39e-04	-7.73e-06	-2.09e-05
123	24	0.01	0.21	-0.50	-9.39e-04	8.73e-06	2.09e-05
123	25	0.01	-0.21	-0.50	9.39e-04	8.73e-06	-2.09e-05
123	26	-0.01	0.21	-0.49	-9.39e-04	-7.73e-06	2.09e-05
123	27	-0.01	-0.21	-0.49	9.39e-04	-7.73e-06	-2.09e-05
123	28	0.01	0.19	-0.50	-9.16e-04	8.73e-06	-2.02e-05
123	29	0.01	-0.19	-0.50	9.16e-04	8.73e-06	2.02e-05
123	30	-0.01	0.19	-0.49	-9.16e-04	-7.73e-06	-2.02e-05
123	31	-0.01	-0.19	-0.49	9.16e-04	-7.73e-06	2.02e-05
123	32	0.01	0.19	-0.50	-9.16e-04	8.73e-06	-2.02e-05
123	33	0.01	-0.19	-0.50	9.16e-04	8.73e-06	2.02e-05
123	34	-0.01	0.19	-0.49	-9.16e-04	-7.73e-06	-2.02e-05
123	35	-0.01	-0.19	-0.49	9.16e-04	-7.73e-06	2.02e-05
123	36	0.04	0.07	-0.50	-3.02e-04	2.56e-05	6.65e-06
123	37	0.04	-0.07	-0.50	3.02e-04	2.56e-05	-6.65e-06
123	38	-0.04	0.07	-0.48	-3.02e-04	-2.46e-05	6.65e-06
123	39	-0.04	-0.07	-0.48	3.02e-04	-2.46e-05	-6.65e-06
123	40	0.04	0.06	-0.50	-2.94e-04	2.56e-05	-6.47e-06
123	41	0.04	-0.06	-0.50	2.94e-04	2.56e-05	6.47e-06
123	42	-0.04	0.06	-0.48	-2.94e-04	-2.46e-05	-6.47e-06
123	43	-0.04	-0.06	-0.48	2.94e-04	-2.46e-05	6.47e-06
123	44	0.04	0.07	-0.50	-3.02e-04	2.56e-05	6.65e-06
123	45	0.04	-0.07	-0.50	3.02e-04	2.56e-05	-6.65e-06
123	46	-0.04	0.07	-0.48	-3.02e-04	-2.46e-05	6.65e-06
123	47	-0.04	-0.07	-0.48	3.02e-04	-2.46e-05	-6.65e-06
123	48	0.04	0.06	-0.50	-2.94e-04	2.56e-05	-6.47e-06
123	49	0.04	-0.06	-0.50	2.94e-04	2.56e-05	6.47e-06
123	50	-0.04	0.06	-0.48	-2.94e-04	-2.46e-05	-6.47e-06
123	51	-0.04	-0.06	-0.48	2.94e-04	-2.46e-05	6.47e-06
123	52	0.01	0.22	-0.50	-1.01e-03	8.03e-06	2.22e-05
123	53	0.01	-0.22	-0.50	1.01e-03	8.03e-06	-2.22e-05
123	54	-0.01	0.22	-0.49	-1.01e-03	-7.03e-06	2.22e-05
123	55	-0.01	-0.22	-0.49	1.01e-03	-7.03e-06	-2.22e-05
123	56	0.01	0.22	-0.50	-1.01e-03	8.03e-06	2.22e-05
123	57	0.01	-0.22	-0.50	1.01e-03	8.03e-06	-2.22e-05
123	58	-0.01	0.22	-0.49	-1.01e-03	-7.03e-06	2.22e-05
123	59	-0.01	-0.22	-0.49	1.01e-03	-7.03e-06	-2.22e-05
123	60	0.01	0.20	-0.50	-9.82e-04	8.03e-06	-2.16e-05
123	61	0.01	-0.20	-0.50	9.82e-04	8.03e-06	2.16e-05
123	62	-0.01	0.20	-0.49	-9.82e-04	-7.03e-06	-2.16e-05
123	63	-0.01	-0.20	-0.49	9.82e-04	-7.03e-06	2.16e-05
123	64	0.01	0.20	-0.50	-9.82e-04	8.03e-06	-2.16e-05
123	65	0.01	-0.20	-0.50	9.82e-04	8.03e-06	2.16e-05
123	66	-0.01	0.20	-0.49	-9.82e-04	-7.03e-06	-2.16e-05
123	67	-0.01	-0.20	-0.49	9.82e-04	-7.03e-06	2.16e-05
123	68	9.71e-05	0.09	-0.49	-4.44e-04	0.0	0.0
123	69	9.71e-05	0.0	-0.49	0.0	0.0	0.0
123	70	9.71e-05	0.0	-0.49	0.0	0.0	0.0
124	1	1.47e-04	0.66	-0.64	-3.27e-03	0.0	-5.96e-06



124	2	1.13e-04	0.66	-0.49	-3.27e-03	0.0	-5.96e-06
124	3	1.13e-04	0.44	-0.49	-2.18e-03	0.0	-3.97e-06
124	4	0.04	0.06	-0.51	-2.81e-04	0.0	5.91e-06
124	5	0.04	-0.06	-0.51	2.81e-04	0.0	-5.91e-06
124	6	-0.04	0.06	-0.48	-2.81e-04	0.0	5.91e-06
124	7	-0.04	-0.06	-0.48	2.81e-04	0.0	-5.91e-06
124	8	0.04	0.06	-0.51	-2.74e-04	0.0	-6.08e-06
124	9	0.04	-0.06	-0.51	2.74e-04	0.0	6.08e-06
124	10	-0.04	0.06	-0.48	-2.74e-04	0.0	-6.08e-06
124	11	-0.04	-0.06	-0.48	2.74e-04	0.0	6.08e-06
124	12	0.04	0.06	-0.51	-2.81e-04	0.0	5.91e-06
124	13	0.04	-0.06	-0.51	2.81e-04	0.0	-5.91e-06
124	14	-0.04	0.06	-0.48	-2.81e-04	0.0	5.91e-06
124	15	-0.04	-0.06	-0.48	2.81e-04	0.0	-5.91e-06
124	16	0.04	0.06	-0.51	-2.74e-04	0.0	-6.08e-06
124	17	0.04	-0.06	-0.51	2.74e-04	0.0	6.08e-06
124	18	-0.04	0.06	-0.48	-2.74e-04	0.0	-6.08e-06
124	19	-0.04	-0.06	-0.48	2.74e-04	0.0	6.08e-06
124	20	0.01	0.21	-0.50	-9.36e-04	0.0	1.97e-05
124	21	0.01	-0.21	-0.50	9.36e-04	0.0	-1.97e-05
124	22	-0.01	0.21	-0.49	-9.36e-04	0.0	1.97e-05
124	23	-0.01	-0.21	-0.49	9.36e-04	0.0	-1.97e-05
124	24	0.01	0.21	-0.50	-9.36e-04	0.0	1.97e-05
124	25	0.01	-0.21	-0.50	9.36e-04	0.0	-1.97e-05
124	26	-0.01	0.21	-0.49	-9.36e-04	0.0	1.97e-05
124	27	-0.01	-0.21	-0.49	9.36e-04	0.0	-1.97e-05
124	28	0.01	0.19	-0.50	-9.12e-04	0.0	2.03e-05
124	29	0.01	-0.19	-0.50	9.12e-04	0.0	-2.03e-05
124	30	-0.01	0.19	-0.49	-9.12e-04	0.0	2.03e-05
124	31	-0.01	-0.19	-0.49	9.12e-04	0.0	-2.03e-05
124	32	0.01	0.19	-0.50	-9.12e-04	0.0	2.03e-05
124	33	0.01	-0.19	-0.50	9.12e-04	0.0	-2.03e-05
124	34	-0.01	0.19	-0.49	-9.12e-04	0.0	2.03e-05
124	35	-0.01	-0.19	-0.49	9.12e-04	0.0	-2.03e-05
124	36	0.04	0.07	-0.51	-3.01e-04	0.0	6.26e-06
124	37	0.04	-0.07	-0.51	3.01e-04	0.0	-6.26e-06
124	38	-0.04	0.07	-0.48	-3.01e-04	0.0	6.26e-06
124	39	-0.04	-0.07	-0.48	3.01e-04	0.0	-6.26e-06
124	40	0.04	0.06	-0.51	-2.93e-04	0.0	6.48e-06
124	41	0.04	-0.06	-0.51	2.93e-04	0.0	-6.48e-06
124	42	-0.04	0.06	-0.48	-2.93e-04	0.0	6.48e-06
124	43	-0.04	-0.06	-0.48	2.93e-04	0.0	-6.48e-06
124	44	0.04	0.07	-0.51	-3.01e-04	0.0	6.26e-06
124	45	0.04	-0.07	-0.51	3.01e-04	0.0	-6.26e-06
124	46	-0.04	0.07	-0.48	-3.01e-04	0.0	6.26e-06
124	47	-0.04	-0.07	-0.48	3.01e-04	0.0	-6.26e-06
124	48	0.04	0.06	-0.51	-2.93e-04	0.0	6.48e-06
124	49	0.04	-0.06	-0.51	2.93e-04	0.0	-6.48e-06
124	50	-0.04	0.06	-0.48	-2.93e-04	0.0	6.48e-06
124	51	-0.04	-0.06	-0.48	2.93e-04	0.0	-6.48e-06
124	52	0.01	0.23	-0.50	-1.00e-03	0.0	2.09e-05
124	53	0.01	-0.23	-0.50	1.00e-03	0.0	-2.09e-05
124	54	-0.01	0.23	-0.49	-1.00e-03	0.0	2.09e-05
124	55	-0.01	-0.23	-0.49	1.00e-03	0.0	-2.09e-05
124	56	0.01	0.23	-0.50	-1.00e-03	0.0	2.09e-05
124	57	0.01	-0.23	-0.50	1.00e-03	0.0	-2.09e-05
124	58	-0.01	0.23	-0.49	-1.00e-03	0.0	2.09e-05
124	59	-0.01	-0.23	-0.49	1.00e-03	0.0	-2.09e-05
124	60	0.01	0.20	-0.50	-9.77e-04	0.0	2.16e-05
124	61	0.01	-0.20	-0.50	9.77e-04	0.0	-2.16e-05
124	62	-0.01	0.20	-0.49	-9.77e-04	0.0	2.16e-05
124	63	-0.01	-0.20	-0.49	9.77e-04	0.0	-2.16e-05
124	64	0.01	0.20	-0.50	-9.77e-04	0.0	2.16e-05
124	65	0.01	-0.20	-0.50	9.77e-04	0.0	-2.16e-05
124	66	-0.01	0.20	-0.49	-9.77e-04	0.0	2.16e-05
124	67	-0.01	-0.20	-0.49	9.77e-04	0.0	-2.16e-05
124	68	1.13e-04	0.09	-0.49	-4.36e-04	0.0	0.0
124	69	1.13e-04	0.0	-0.49	0.0	0.0	0.0
124	70	1.13e-04	0.0	-0.49	0.0	0.0	0.0
125	1	1.70e-04	0.66	-0.64	-3.27e-03	0.0	0.0
125	2	1.31e-04	0.66	-0.49	-3.27e-03	0.0	0.0
125	3	1.31e-04	0.44	-0.49	-2.18e-03	0.0	0.0
125	4	0.04	0.06	-0.51	-2.81e-04	0.0	6.01e-06
125	5	0.04	-0.06	-0.51	2.81e-04	0.0	-6.01e-06
125	6	-0.04	0.06	-0.48	-2.81e-04	0.0	6.01e-06

125	7	-0.04	-0.06	-0.48	2.81e-04	0.0	-6.01e-06
125	8	0.04	0.06	-0.51	-2.73e-04	0.0	-5.78e-06
125	9	0.04	-0.06	-0.51	2.73e-04	0.0	5.78e-06
125	10	-0.04	0.06	-0.48	-2.73e-04	0.0	-5.78e-06
125	11	-0.04	-0.06	-0.48	2.73e-04	0.0	5.78e-06
125	12	0.04	0.06	-0.51	-2.81e-04	0.0	6.01e-06
125	13	0.04	-0.06	-0.51	2.81e-04	0.0	-6.01e-06
125	14	-0.04	0.06	-0.48	-2.81e-04	0.0	6.01e-06
125	15	-0.04	-0.06	-0.48	2.81e-04	0.0	-6.01e-06
125	16	0.04	0.06	-0.51	-2.73e-04	0.0	-5.78e-06
125	17	0.04	-0.06	-0.51	2.73e-04	0.0	5.78e-06
125	18	-0.04	0.06	-0.48	-2.73e-04	0.0	-5.78e-06
125	19	-0.04	-0.06	-0.48	2.73e-04	0.0	5.78e-06
125	20	0.01	0.21	-0.50	-9.37e-04	0.0	2.00e-05
125	21	0.01	-0.21	-0.50	9.37e-04	0.0	-2.00e-05
125	22	-0.01	0.21	-0.49	-9.37e-04	0.0	2.00e-05
125	23	-0.01	-0.21	-0.49	9.37e-04	0.0	-2.00e-05
125	24	0.01	0.21	-0.50	-9.37e-04	0.0	2.00e-05
125	25	0.01	-0.21	-0.50	9.37e-04	0.0	-2.00e-05
125	26	-0.01	0.21	-0.49	-9.37e-04	0.0	2.00e-05
125	27	-0.01	-0.21	-0.49	9.37e-04	0.0	-2.00e-05
125	28	0.01	0.19	-0.50	-9.11e-04	0.0	-1.93e-05
125	29	0.01	-0.19	-0.50	9.11e-04	0.0	1.93e-05
125	30	-0.01	0.19	-0.49	-9.11e-04	0.0	-1.93e-05
125	31	-0.01	-0.19	-0.49	9.11e-04	0.0	1.93e-05
125	32	0.01	0.19	-0.50	-9.11e-04	0.0	-1.93e-05
125	33	0.01	-0.19	-0.50	9.11e-04	0.0	1.93e-05
125	34	-0.01	0.19	-0.49	-9.11e-04	0.0	-1.93e-05
125	35	-0.01	-0.19	-0.49	9.11e-04	0.0	1.93e-05
125	36	0.04	0.07	-0.51	-3.01e-04	0.0	6.38e-06
125	37	0.04	-0.07	-0.51	3.01e-04	0.0	-6.38e-06
125	38	-0.04	0.07	-0.48	-3.01e-04	0.0	6.38e-06
125	39	-0.04	-0.07	-0.48	3.01e-04	0.0	-6.38e-06
125	40	0.04	0.06	-0.51	-2.93e-04	0.0	-6.16e-06
125	41	0.04	-0.06	-0.51	2.93e-04	0.0	6.16e-06
125	42	-0.04	0.06	-0.48	-2.93e-04	0.0	-6.16e-06
125	43	-0.04	-0.06	-0.48	2.93e-04	0.0	6.16e-06
125	44	0.04	0.07	-0.51	-3.01e-04	0.0	6.38e-06
125	45	0.04	-0.07	-0.51	3.01e-04	0.0	-6.38e-06
125	46	-0.04	0.07	-0.48	-3.01e-04	0.0	6.38e-06
125	47	-0.04	-0.07	-0.48	3.01e-04	0.0	-6.38e-06
125	48	0.04	0.06	-0.51	-2.93e-04	0.0	-6.16e-06
125	49	0.04	-0.06	-0.51	2.93e-04	0.0	6.16e-06
125	50	-0.04	0.06	-0.48	-2.93e-04	0.0	-6.16e-06
125	51	-0.04	-0.06	-0.48	2.93e-04	0.0	6.16e-06
125	52	0.01	0.23	-0.50	-1.00e-03	0.0	2.13e-05
125	53	0.01	-0.23	-0.50	1.00e-03	0.0	-2.13e-05
125	54	-0.01	0.23	-0.49	-1.00e-03	0.0	2.13e-05
125	55	-0.01	-0.23	-0.49	1.00e-03	0.0	-2.13e-05
125	56	0.01	0.23	-0.50	-1.00e-03	0.0	2.13e-05
125	57	0.01	-0.23	-0.50	1.00e-03	0.0	-2.13e-05
125	58	-0.01	0.23	-0.49	-1.00e-03	0.0	2.13e-05
125	59	-0.01	-0.23	-0.49	1.00e-03	0.0	-2.13e-05
125	60	0.01	0.20	-0.50	-9.76e-04	0.0	2.05e-05
125	61	0.01	-0.20	-0.50	9.76e-04	0.0	-2.05e-05
125	62	-0.01	0.20	-0.49	-9.76e-04	0.0	2.05e-05
125	63	-0.01	-0.20	-0.49	9.76e-04	0.0	-2.05e-05
125	64	0.01	0.20	-0.50	-9.76e-04	0.0	2.05e-05
125	65	0.01	-0.20	-0.50	9.76e-04	0.0	-2.05e-05
125	66	-0.01	0.20	-0.49	-9.76e-04	0.0	2.05e-05
125	67	-0.01	-0.20	-0.49	9.76e-04	0.0	-2.05e-05
125	68	1.31e-04	0.09	-0.49	-4.35e-04	0.0	0.0
125	69	1.31e-04	0.0	-0.49	0.0	0.0	0.0
125	70	1.31e-04	0.0	-0.49	0.0	0.0	0.0
126	1	1.98e-04	0.66	-0.64	-3.28e-03	0.0	7.61e-06
126	2	1.52e-04	0.66	-0.49	-3.28e-03	0.0	7.61e-06
126	3	1.52e-04	0.44	-0.49	-2.18e-03	0.0	5.07e-06
126	4	0.04	0.06	-0.51	-2.81e-04	0.0	6.13e-06
126	5	0.04	-0.06	-0.51	2.81e-04	0.0	-6.13e-06
126	6	-0.04	0.06	-0.47	-2.81e-04	0.0	6.13e-06
126	7	-0.04	-0.06	-0.47	2.81e-04	0.0	-6.13e-06
126	8	0.04	0.06	-0.51	-2.73e-04	0.0	-5.52e-06
126	9	0.04	-0.06	-0.51	2.73e-04	0.0	5.52e-06
126	10	-0.04	0.06	-0.47	-2.73e-04	0.0	-5.52e-06
126	11	-0.04	-0.06	-0.47	2.73e-04	0.0	5.52e-06

126	12	0.04	0.06	-0.51	-2.81e-04	0.0	6.13e-06
126	13	0.04	-0.06	-0.51	2.81e-04	0.0	-6.13e-06
126	14	-0.04	0.06	-0.47	-2.81e-04	0.0	6.13e-06
126	15	-0.04	-0.06	-0.47	2.81e-04	0.0	-6.13e-06
126	16	0.04	0.06	-0.51	-2.73e-04	0.0	-5.52e-06
126	17	0.04	-0.06	-0.51	2.73e-04	0.0	5.52e-06
126	18	-0.04	0.06	-0.47	-2.73e-04	0.0	-5.52e-06
126	19	-0.04	-0.06	-0.47	2.73e-04	0.0	5.52e-06
126	20	0.01	0.21	-0.50	-9.38e-04	0.0	2.04e-05
126	21	0.01	-0.21	-0.50	9.38e-04	0.0	-2.04e-05
126	22	-0.01	0.21	-0.49	-9.38e-04	0.0	2.04e-05
126	23	-0.01	-0.21	-0.49	9.38e-04	0.0	-2.04e-05
126	24	0.01	0.21	-0.50	-9.38e-04	0.0	2.04e-05
126	25	0.01	-0.21	-0.50	9.38e-04	0.0	-2.04e-05
126	26	-0.01	0.21	-0.49	-9.38e-04	0.0	2.04e-05
126	27	-0.01	-0.21	-0.49	9.38e-04	0.0	-2.04e-05
126	28	0.01	0.19	-0.50	-9.10e-04	0.0	-1.84e-05
126	29	0.01	-0.19	-0.50	9.10e-04	0.0	1.84e-05
126	30	-0.01	0.19	-0.49	-9.10e-04	0.0	-1.84e-05
126	31	-0.01	-0.19	-0.49	9.10e-04	0.0	1.84e-05
126	32	0.01	0.19	-0.50	-9.10e-04	0.0	-1.84e-05
126	33	0.01	-0.19	-0.50	9.10e-04	0.0	1.84e-05
126	34	-0.01	0.19	-0.49	-9.10e-04	0.0	-1.84e-05
126	35	-0.01	-0.19	-0.49	9.10e-04	0.0	1.84e-05
126	36	0.04	0.07	-0.51	-3.01e-04	0.0	6.51e-06
126	37	0.04	-0.07	-0.51	3.01e-04	0.0	-6.51e-06
126	39	-0.04	-0.07	-0.48	3.01e-04	0.0	-6.51e-06
126	40	0.04	0.06	-0.51	-2.93e-04	0.0	-5.88e-06
126	41	0.04	-0.06	-0.51	2.93e-04	0.0	5.88e-06
126	42	-0.04	0.06	-0.48	-2.93e-04	0.0	-5.88e-06
126	43	-0.04	-0.06	-0.48	2.93e-04	0.0	5.88e-06
126	44	0.04	0.07	-0.51	-3.01e-04	0.0	6.51e-06
126	45	0.04	-0.07	-0.51	3.01e-04	0.0	-6.51e-06
126	46	-0.04	0.07	-0.48	-3.01e-04	0.0	6.51e-06
126	47	-0.04	-0.07	-0.48	3.01e-04	0.0	-6.51e-06
126	48	0.04	0.06	-0.51	-2.93e-04	0.0	-5.88e-06
126	49	0.04	-0.06	-0.51	2.93e-04	0.0	5.88e-06
126	50	-0.04	0.06	-0.48	-2.93e-04	0.0	-5.88e-06
126	51	-0.04	-0.06	-0.48	2.93e-04	0.0	5.88e-06
126	52	0.01	0.23	-0.50	-1.00e-03	0.0	2.17e-05
126	53	0.01	-0.23	-0.50	1.00e-03	0.0	-2.17e-05
126	54	-0.01	0.23	-0.49	-1.00e-03	0.0	2.17e-05
126	55	-0.01	-0.23	-0.49	1.00e-03	0.0	-2.17e-05
126	56	0.01	0.23	-0.50	-1.00e-03	0.0	2.17e-05
126	57	0.01	-0.23	-0.50	1.00e-03	0.0	-2.17e-05
126	58	-0.01	0.23	-0.49	-1.00e-03	0.0	2.17e-05
126	59	-0.01	-0.23	-0.49	1.00e-03	0.0	-2.17e-05
126	60	0.01	0.20	-0.50	-9.76e-04	0.0	-1.96e-05
126	61	0.01	-0.20	-0.50	9.76e-04	0.0	1.96e-05
126	62	-0.01	0.20	-0.49	-9.76e-04	0.0	-1.96e-05
126	63	-0.01	-0.20	-0.49	9.76e-04	0.0	1.96e-05
126	64	0.01	0.20	-0.50	-9.76e-04	0.0	-1.96e-05
126	65	0.01	-0.20	-0.50	9.76e-04	0.0	1.96e-05
126	66	-0.01	0.20	-0.49	-9.76e-04	0.0	-1.96e-05
126	67	-0.01	-0.20	-0.49	9.76e-04	0.0	1.96e-05
126	68	1.52e-04	0.09	-0.49	-4.37e-04	0.0	1.01e-06
126	69	1.52e-04	0.0	-0.49	0.0	0.0	0.0
126	70	1.52e-04	0.0	-0.49	0.0	0.0	0.0
127	1	-2.58e-04	0.69	-0.64	-3.67e-03	0.0	-1.93e-03
127	2	-1.99e-04	0.69	-0.49	-3.67e-03	0.0	-1.93e-03
127	3	-1.99e-04	0.46	-0.49	-2.44e-03	0.0	-1.29e-03
127	4	0.04	0.06	-0.47	-2.82e-04	2.90e-05	5.75e-06
127	5	0.04	-0.06	-0.47	2.82e-04	2.90e-05	-5.75e-06
127	6	-0.04	0.06	-0.51	-2.82e-04	-2.81e-05	5.75e-06
127	7	-0.04	-0.06	-0.51	2.82e-04	-2.81e-05	-5.75e-06
127	8	0.04	0.07	-0.47	-3.00e-04	2.90e-05	-5.70e-06
127	9	0.04	-0.07	-0.47	3.00e-04	2.90e-05	5.70e-06
127	10	-0.04	0.07	-0.51	-3.00e-04	-2.81e-05	-5.70e-06
127	11	-0.04	-0.07	-0.51	3.00e-04	-2.81e-05	5.70e-06
127	12	0.04	0.06	-0.47	-2.82e-04	2.90e-05	5.75e-06
127	13	0.04	-0.06	-0.47	2.82e-04	2.90e-05	-5.75e-06
127	14	-0.04	0.06	-0.51	-2.82e-04	-2.81e-05	5.75e-06
127	15	-0.04	-0.06	-0.51	2.82e-04	-2.81e-05	-5.75e-06
127	16	0.04	0.07	-0.47	-3.00e-04	2.90e-05	-5.70e-06
127	17	0.04	-0.07	-0.47	3.00e-04	2.90e-05	5.70e-06

127	18	-0.04	0.07	-0.51	-3.00e-04	-2.81e-05	-5.70e-06
127	19	-0.04	-0.07	-0.51	3.00e-04	-2.81e-05	5.70e-06
127	20	0.01	0.19	-0.49	-9.41e-04	9.04e-06	1.92e-05
127	21	0.01	-0.19	-0.49	9.41e-04	9.04e-06	-1.92e-05
127	22	-0.01	0.19	-0.50	-9.41e-04	-8.10e-06	1.92e-05
127	23	-0.01	-0.19	-0.50	9.41e-04	-8.10e-06	-1.92e-05
127	24	0.01	0.19	-0.49	-9.41e-04	9.04e-06	1.92e-05
127	25	0.01	-0.19	-0.49	9.41e-04	9.04e-06	-1.92e-05
127	26	-0.01	0.19	-0.50	-9.41e-04	-8.10e-06	1.92e-05
127	27	-0.01	-0.19	-0.50	9.41e-04	-8.10e-06	-1.92e-05
127	28	0.01	0.23	-0.49	-1.00e-03	9.04e-06	-1.90e-05
127	29	0.01	-0.23	-0.49	1.00e-03	9.04e-06	1.90e-05
127	30	-0.01	0.23	-0.50	-1.00e-03	-8.10e-06	-1.90e-05
127	31	-0.01	-0.23	-0.50	1.00e-03	-8.10e-06	1.90e-05
127	32	0.01	0.23	-0.49	-1.00e-03	9.04e-06	-1.90e-05
127	33	0.01	-0.23	-0.49	1.00e-03	9.04e-06	1.90e-05
127	34	-0.01	0.23	-0.50	-1.00e-03	-8.10e-06	-1.90e-05
127	35	-0.01	-0.23	-0.50	1.00e-03	-8.10e-06	1.90e-05
127	36	0.04	0.06	-0.47	-3.03e-04	2.66e-05	6.12e-06
127	37	0.04	-0.06	-0.47	3.03e-04	2.66e-05	-6.12e-06
127	38	-0.04	0.06	-0.51	-3.03e-04	-2.57e-05	6.12e-06
127	39	-0.04	-0.06	-0.51	3.03e-04	-2.57e-05	-6.12e-06
127	40	0.04	0.07	-0.47	-3.21e-04	2.66e-05	-6.00e-06
127	41	0.04	-0.07	-0.47	3.21e-04	2.66e-05	6.00e-06
127	42	-0.04	0.07	-0.51	-3.21e-04	-2.57e-05	-6.00e-06
127	43	-0.04	-0.07	-0.51	3.21e-04	-2.57e-05	6.00e-06
127	44	0.04	0.06	-0.47	-3.03e-04	2.66e-05	6.12e-06
127	45	0.04	-0.06	-0.47	3.03e-04	2.66e-05	-6.12e-06
127	46	-0.04	0.06	-0.51	-3.03e-04	-2.57e-05	6.12e-06
127	47	-0.04	-0.06	-0.51	3.03e-04	-2.57e-05	-6.12e-06
127	48	0.04	0.07	-0.47	-3.21e-04	2.66e-05	-6.00e-06
127	49	0.04	-0.07	-0.47	3.21e-04	2.66e-05	6.00e-06
127	50	-0.04	0.07	-0.51	-3.21e-04	-2.57e-05	-6.00e-06
127	51	-0.04	-0.07	-0.51	3.21e-04	-2.57e-05	6.00e-06
127	52	0.01	0.21	-0.49	-1.01e-03	8.32e-06	2.04e-05
127	53	0.01	-0.21	-0.49	1.01e-03	8.32e-06	-2.04e-05
127	54	-0.01	0.21	-0.50	-1.01e-03	-7.38e-06	2.04e-05
127	55	-0.01	-0.21	-0.50	1.01e-03	-7.38e-06	-2.04e-05
127	56	0.01	0.21	-0.49	-1.01e-03	8.32e-06	2.04e-05
127	57	0.01	-0.21	-0.49	1.01e-03	8.32e-06	-2.04e-05
127	58	-0.01	0.21	-0.50	-1.01e-03	-7.38e-06	2.04e-05
127	59	-0.01	-0.21	-0.50	1.01e-03	-7.38e-06	-2.04e-05
127	60	0.01	0.24	-0.49	-1.07e-03	8.32e-06	-2.00e-05
127	61	0.01	-0.24	-0.49	1.07e-03	8.32e-06	2.00e-05
127	62	-0.01	0.24	-0.50	-1.07e-03	-7.38e-06	-2.00e-05
127	63	-0.01	-0.24	-0.50	1.07e-03	-7.38e-06	2.00e-05
127	64	0.01	0.24	-0.49	-1.07e-03	8.32e-06	-2.00e-05
127	65	0.01	-0.24	-0.49	1.07e-03	8.32e-06	2.00e-05
127	66	-0.01	0.24	-0.50	-1.07e-03	-7.38e-06	-2.00e-05
127	67	-0.01	-0.24	-0.50	1.07e-03	-7.38e-06	2.00e-05
127	68	-1.99e-04	0.09	-0.49	-4.89e-04	0.0	-2.58e-04
127	69	-1.99e-04	0.0	-0.49	0.0	0.0	0.0
127	70	-1.99e-04	0.0	-0.49	0.0	0.0	0.0
128	1	-1.25e-04	0.70	-0.64	-3.93e-03	0.0	-8.89e-04
128	2	-9.60e-05	0.70	-0.49	-3.93e-03	0.0	-8.89e-04
128	3	-9.60e-05	0.46	-0.49	-2.62e-03	0.0	-5.92e-04
128	4	0.04	0.06	-0.48	-2.91e-04	3.05e-05	6.33e-06
128	5	0.04	-0.06	-0.48	2.91e-04	3.05e-05	-6.33e-06
128	6	-0.04	0.06	-0.50	-2.91e-04	-2.96e-05	6.33e-06
128	7	-0.04	-0.06	-0.50	2.91e-04	-2.96e-05	-6.33e-06
128	8	0.04	0.07	-0.48	-3.06e-04	3.05e-05	-6.50e-06
128	9	0.04	-0.07	-0.48	3.06e-04	3.05e-05	6.50e-06
128	10	-0.04	0.07	-0.50	-3.06e-04	-2.96e-05	-6.50e-06
128	11	-0.04	-0.07	-0.50	3.06e-04	-2.96e-05	6.50e-06
128	12	0.04	0.06	-0.48	-2.91e-04	3.05e-05	6.33e-06
128	13	0.04	-0.06	-0.48	2.91e-04	3.05e-05	-6.33e-06
128	14	-0.04	0.06	-0.50	-2.91e-04	-2.96e-05	6.33e-06
128	15	-0.04	-0.06	-0.50	2.91e-04	-2.96e-05	-6.33e-06
128	16	0.04	0.07	-0.48	-3.06e-04	3.05e-05	-6.50e-06
128	17	0.04	-0.07	-0.48	3.06e-04	3.05e-05	6.50e-06
128	18	-0.04	0.07	-0.50	-3.06e-04	-2.96e-05	-6.50e-06
128	19	-0.04	-0.07	-0.50	3.06e-04	-2.96e-05	6.50e-06
128	20	0.01	0.20	-0.49	-9.69e-04	9.44e-06	2.11e-05
128	21	0.01	-0.20	-0.49	9.69e-04	9.44e-06	-2.11e-05
128	22	-0.01	0.20	-0.50	-9.69e-04	-8.57e-06	2.11e-05

128	23	-0.01	-0.20	-0.50	9.69e-04	-8.57e-06	-2.11e-05
128	24	0.01	0.20	-0.49	-9.69e-04	9.44e-06	2.11e-05
128	25	0.01	-0.20	-0.49	9.69e-04	9.44e-06	-2.11e-05
128	26	-0.01	0.20	-0.50	-9.69e-04	-8.57e-06	2.11e-05
128	27	-0.01	-0.20	-0.50	9.69e-04	-8.57e-06	-2.11e-05
128	28	0.01	0.22	-0.49	-1.02e-03	9.44e-06	-2.17e-05
128	29	0.01	-0.22	-0.49	1.02e-03	9.44e-06	2.17e-05
128	30	-0.01	0.22	-0.50	-1.02e-03	-8.57e-06	-2.17e-05
128	31	-0.01	-0.22	-0.50	1.02e-03	-8.57e-06	2.17e-05
128	32	0.01	0.22	-0.49	-1.02e-03	9.44e-06	-2.17e-05
128	33	0.01	-0.22	-0.49	1.02e-03	9.44e-06	2.17e-05
128	34	-0.01	0.22	-0.50	-1.02e-03	-8.57e-06	-2.17e-05
128	35	-0.01	-0.22	-0.50	1.02e-03	-8.57e-06	2.17e-05
128	36	0.04	0.06	-0.48	-3.12e-04	2.80e-05	6.76e-06
128	37	0.04	-0.06	-0.48	3.12e-04	2.80e-05	-6.76e-06
128	38	-0.04	0.06	-0.50	-3.12e-04	-2.71e-05	6.76e-06
128	39	-0.04	-0.06	-0.50	3.12e-04	-2.71e-05	-6.76e-06
128	40	0.04	0.07	-0.48	-3.28e-04	2.80e-05	-6.90e-06
128	41	0.04	-0.07	-0.48	3.28e-04	2.80e-05	6.90e-06
128	42	-0.04	0.07	-0.50	-3.28e-04	-2.71e-05	-6.90e-06
128	43	-0.04	-0.07	-0.50	3.28e-04	-2.71e-05	6.90e-06
128	44	0.04	0.06	-0.48	-3.12e-04	2.80e-05	6.76e-06
128	45	0.04	-0.06	-0.48	3.12e-04	2.80e-05	-6.76e-06
128	46	-0.04	0.06	-0.50	-3.12e-04	-2.71e-05	6.76e-06
128	47	-0.04	-0.06	-0.50	3.12e-04	-2.71e-05	-6.76e-06
128	48	0.04	0.07	-0.48	-3.28e-04	2.80e-05	-6.90e-06
128	49	0.04	-0.07	-0.48	3.28e-04	2.80e-05	6.90e-06
128	50	-0.04	0.07	-0.50	-3.28e-04	-2.71e-05	-6.90e-06
128	51	-0.04	-0.07	-0.50	3.28e-04	-2.71e-05	6.90e-06
128	52	0.01	0.21	-0.49	-1.04e-03	8.71e-06	2.25e-05
128	53	0.01	-0.21	-0.49	1.04e-03	8.71e-06	-2.25e-05
128	54	-0.01	0.21	-0.50	-1.04e-03	-7.83e-06	2.25e-05
128	55	-0.01	-0.21	-0.50	1.04e-03	-7.83e-06	-2.25e-05
128	56	0.01	0.21	-0.49	-1.04e-03	8.71e-06	2.25e-05
128	57	0.01	-0.21	-0.49	1.04e-03	8.71e-06	-2.25e-05
128	58	-0.01	0.21	-0.50	-1.04e-03	-7.83e-06	2.25e-05
128	59	-0.01	-0.21	-0.50	1.04e-03	-7.83e-06	-2.25e-05
128	60	0.01	0.24	-0.49	-1.09e-03	8.71e-06	-2.30e-05
128	61	0.01	-0.24	-0.49	1.09e-03	8.71e-06	2.30e-05
128	62	-0.01	0.24	-0.50	-1.09e-03	-7.83e-06	-2.30e-05
128	63	-0.01	-0.24	-0.50	1.09e-03	-7.83e-06	2.30e-05
128	64	0.01	0.24	-0.49	-1.09e-03	8.71e-06	-2.30e-05
128	65	0.01	-0.24	-0.49	1.09e-03	8.71e-06	2.30e-05
128	66	-0.01	0.24	-0.50	-1.09e-03	-7.83e-06	-2.30e-05
128	67	-0.01	-0.24	-0.50	1.09e-03	-7.83e-06	2.30e-05
128	68	-9.60e-05	0.09	-0.49	-5.24e-04	0.0	-1.18e-04
128	69	-9.60e-05	0.0	-0.49	0.0	0.0	0.0
128	70	-9.60e-05	0.0	-0.49	0.0	0.0	0.0
129	1	-4.15e-05	0.70	-0.64	-3.97e-03	0.0	-1.81e-04
129	2	-3.19e-05	0.70	-0.49	-3.97e-03	0.0	-1.81e-04
129	3	-3.19e-05	0.46	-0.49	-2.64e-03	0.0	-1.21e-04
129	4	0.04	0.06	-0.49	-2.96e-04	3.13e-05	6.88e-06
129	5	0.04	-0.06	-0.49	2.96e-04	3.13e-05	-6.88e-06
129	6	-0.04	0.06	-0.50	-2.96e-04	-3.10e-05	6.88e-06
129	7	-0.04	-0.06	-0.50	2.96e-04	-3.10e-05	-6.88e-06
129	8	0.04	0.06	-0.49	-3.02e-04	3.13e-05	-6.95e-06
129	9	0.04	-0.06	-0.49	3.02e-04	3.13e-05	6.95e-06
129	10	-0.04	0.06	-0.50	-3.02e-04	-3.10e-05	-6.95e-06
129	11	-0.04	-0.06	-0.50	3.02e-04	-3.10e-05	6.95e-06
129	12	0.04	0.06	-0.49	-2.96e-04	3.13e-05	6.88e-06
129	13	0.04	-0.06	-0.49	2.96e-04	3.13e-05	-6.88e-06
129	14	-0.04	0.06	-0.50	-2.96e-04	-3.10e-05	6.88e-06
129	15	-0.04	-0.06	-0.50	2.96e-04	-3.10e-05	-6.88e-06
129	16	0.04	0.06	-0.49	-3.02e-04	3.13e-05	-6.95e-06
129	17	0.04	-0.06	-0.49	3.02e-04	3.13e-05	6.95e-06
129	18	-0.04	0.06	-0.50	-3.02e-04	-3.10e-05	-6.95e-06
129	19	-0.04	-0.06	-0.50	3.02e-04	-3.10e-05	6.95e-06
129	20	0.01	0.21	-0.49	-9.87e-04	9.48e-06	2.29e-05
129	21	0.01	-0.21	-0.49	9.87e-04	9.48e-06	-2.29e-05
129	22	-0.01	0.21	-0.49	-9.87e-04	-9.19e-06	2.29e-05
129	23	-0.01	-0.21	-0.49	9.87e-04	-9.19e-06	-2.29e-05
129	24	0.01	0.21	-0.49	-9.87e-04	9.48e-06	2.29e-05
129	25	0.01	-0.21	-0.49	9.87e-04	9.48e-06	-2.29e-05
129	26	-0.01	0.21	-0.49	-9.87e-04	-9.19e-06	2.29e-05
129	27	-0.01	-0.21	-0.49	9.87e-04	-9.19e-06	-2.29e-05

129	28	0.01	0.21	-0.49	-1.01e-03	9.48e-06	-2.32e-05
129	29	0.01	-0.21	-0.49	1.01e-03	9.48e-06	2.32e-05
129	30	-0.01	0.21	-0.49	-1.01e-03	-9.19e-06	-2.32e-05
129	31	-0.01	-0.21	-0.49	1.01e-03	-9.19e-06	2.32e-05
129	32	0.01	0.21	-0.49	-1.01e-03	9.48e-06	-2.32e-05
129	33	0.01	-0.21	-0.49	1.01e-03	9.48e-06	2.32e-05
129	34	-0.01	0.21	-0.49	-1.01e-03	-9.19e-06	-2.32e-05
129	35	-0.01	-0.21	-0.49	1.01e-03	-9.19e-06	2.32e-05
129	36	0.04	0.07	-0.49	-3.17e-04	2.88e-05	7.34e-06
129	37	0.04	-0.07	-0.49	3.17e-04	2.88e-05	-7.34e-06
129	38	-0.04	0.07	-0.50	-3.17e-04	-2.85e-05	7.34e-06
129	39	-0.04	-0.07	-0.50	3.17e-04	-2.85e-05	-7.34e-06
129	40	0.04	0.07	-0.49	-3.23e-04	2.88e-05	-7.40e-06
129	41	0.04	-0.07	-0.49	3.23e-04	2.88e-05	7.40e-06
129	42	-0.04	0.07	-0.50	-3.23e-04	-2.85e-05	-7.40e-06
129	43	-0.04	-0.07	-0.50	3.23e-04	-2.85e-05	7.40e-06
129	44	0.04	0.07	-0.49	-3.17e-04	2.88e-05	7.34e-06
129	45	0.04	-0.07	-0.49	3.17e-04	2.88e-05	-7.34e-06
129	46	-0.04	0.07	-0.50	-3.17e-04	-2.85e-05	7.34e-06
129	47	-0.04	-0.07	-0.50	3.17e-04	-2.85e-05	-7.34e-06
129	48	0.04	0.07	-0.49	-3.23e-04	2.88e-05	-7.40e-06
129	49	0.04	-0.07	-0.49	3.23e-04	2.88e-05	7.40e-06
129	50	-0.04	0.07	-0.50	-3.23e-04	-2.85e-05	-7.40e-06
129	51	-0.04	-0.07	-0.50	3.23e-04	-2.85e-05	7.40e-06
129	52	0.01	0.22	-0.49	-1.06e-03	8.73e-06	2.45e-05
129	53	0.01	-0.22	-0.49	1.06e-03	8.73e-06	-2.45e-05
129	54	-0.01	0.22	-0.49	-1.06e-03	-8.44e-06	2.45e-05
129	55	-0.01	-0.22	-0.49	1.06e-03	-8.44e-06	-2.45e-05
129	56	0.01	0.22	-0.49	-1.06e-03	8.73e-06	2.45e-05
129	57	0.01	-0.22	-0.49	1.06e-03	8.73e-06	-2.45e-05
129	58	-0.01	0.22	-0.49	-1.06e-03	-8.44e-06	2.45e-05
129	59	-0.01	-0.22	-0.49	1.06e-03	-8.44e-06	-2.45e-05
129	60	0.01	0.23	-0.49	-1.08e-03	8.73e-06	2.47e-05
129	61	0.01	-0.23	-0.49	1.08e-03	8.73e-06	2.47e-05
129	62	-0.01	0.23	-0.49	-1.08e-03	-8.44e-06	-2.47e-05
129	63	-0.01	-0.23	-0.49	1.08e-03	-8.44e-06	2.47e-05
129	64	0.01	0.23	-0.49	-1.08e-03	8.73e-06	2.47e-05
129	65	0.01	-0.23	-0.49	1.08e-03	8.73e-06	2.47e-05
129	66	-0.01	0.23	-0.49	-1.08e-03	-8.44e-06	-2.47e-05
129	67	-0.01	-0.23	-0.49	1.08e-03	-8.44e-06	2.47e-05
129	68	-3.19e-05	0.09	-0.49	-5.29e-04	0.0	-2.42e-05
129	69	-3.19e-05	0.0	-0.49	0.0	0.0	0.0
129	70	-3.19e-05	0.0	-0.49	0.0	0.0	0.0
130	1	4.15e-05	0.70	-0.64	-3.97e-03	0.0	1.81e-04
130	2	3.19e-05	0.70	-0.49	-3.97e-03	0.0	1.81e-04
130	3	3.19e-05	0.46	-0.49	-2.64e-03	0.0	1.21e-04
130	4	0.04	0.06	-0.50	-3.02e-04	3.10e-05	6.95e-06
130	5	0.04	-0.06	-0.50	3.02e-04	3.10e-05	-6.95e-06
130	6	-0.04	0.06	-0.49	-3.02e-04	-3.13e-05	6.95e-06
130	7	-0.04	-0.06	-0.49	3.02e-04	-3.13e-05	-6.95e-06
130	8	0.04	0.06	-0.50	-2.96e-04	3.10e-05	-6.88e-06
130	9	0.04	-0.06	-0.50	2.96e-04	3.10e-05	6.88e-06
130	10	-0.04	0.06	-0.49	-2.96e-04	-3.13e-05	-6.88e-06
130	11	-0.04	-0.06	-0.49	2.96e-04	-3.13e-05	6.88e-06
130	12	0.04	0.06	-0.50	-3.02e-04	3.10e-05	6.95e-06
130	13	0.04	-0.06	-0.50	3.02e-04	3.10e-05	-6.95e-06
130	14	-0.04	0.06	-0.49	-3.02e-04	-3.13e-05	6.95e-06
130	15	-0.04	-0.06	-0.49	3.02e-04	-3.13e-05	-6.95e-06
130	16	0.04	0.06	-0.50	-2.96e-04	3.10e-05	-6.88e-06
130	17	0.04	-0.06	-0.50	2.96e-04	3.10e-05	6.88e-06
130	18	-0.04	0.06	-0.49	-2.96e-04	-3.13e-05	-6.88e-06
130	19	-0.04	-0.06	-0.49	2.96e-04	-3.13e-05	6.88e-06
130	20	0.01	0.21	-0.49	-1.01e-03	9.19e-06	2.32e-05
130	21	0.01	-0.21	-0.49	1.01e-03	9.19e-06	-2.32e-05
130	22	-0.01	0.21	-0.49	-1.01e-03	-9.48e-06	2.32e-05
130	23	-0.01	-0.21	-0.49	1.01e-03	-9.48e-06	-2.32e-05
130	24	0.01	0.21	-0.49	-1.01e-03	9.19e-06	2.32e-05
130	25	0.01	-0.21	-0.49	1.01e-03	9.19e-06	-2.32e-05
130	26	-0.01	0.21	-0.49	-1.01e-03	-9.48e-06	2.32e-05
130	27	-0.01	-0.21	-0.49	1.01e-03	-9.48e-06	-2.32e-05
130	28	0.01	0.21	-0.49	-9.87e-04	9.19e-06	2.29e-05
130	29	0.01	-0.21	-0.49	9.87e-04	9.19e-06	-2.29e-05
130	30	-0.01	0.21	-0.49	-9.87e-04	-9.48e-06	-2.29e-05
130	31	-0.01	-0.21	-0.49	9.87e-04	-9.48e-06	2.29e-05
130	32	0.01	0.21	-0.49	-9.87e-04	9.19e-06	-2.29e-05

130	33	0.01	-0.21	-0.49	9.87e-04	9.19e-06	2.29e-05
130	34	-0.01	0.21	-0.49	-9.87e-04	-9.48e-06	-2.29e-05
130	35	-0.01	-0.21	-0.49	9.87e-04	-9.48e-06	2.29e-05
130	36	0.04	0.07	-0.50	-3.23e-04	2.85e-05	7.40e-06
130	37	0.04	-0.07	-0.50	3.23e-04	2.85e-05	-7.40e-06
130	38	-0.04	0.07	-0.49	-3.23e-04	-2.88e-05	7.40e-06
130	39	-0.04	-0.07	-0.49	3.23e-04	-2.88e-05	-7.40e-06
130	40	0.04	0.07	-0.50	-3.17e-04	2.85e-05	-7.34e-06
130	41	0.04	-0.07	-0.50	3.17e-04	2.85e-05	7.34e-06
130	42	-0.04	0.07	-0.49	-3.17e-04	-2.88e-05	-7.34e-06
130	43	-0.04	-0.07	-0.49	3.17e-04	-2.88e-05	7.34e-06
130	44	0.04	0.07	-0.50	-3.23e-04	2.85e-05	7.40e-06
130	45	0.04	-0.07	-0.50	3.23e-04	2.85e-05	-7.40e-06
130	46	-0.04	0.07	-0.49	-3.23e-04	-2.88e-05	7.40e-06
130	47	-0.04	-0.07	-0.49	3.23e-04	-2.88e-05	-7.40e-06
130	48	0.04	0.07	-0.50	-3.17e-04	2.85e-05	-7.34e-06
130	49	0.04	-0.07	-0.50	3.17e-04	2.85e-05	7.34e-06
130	50	-0.04	0.07	-0.49	-3.17e-04	-2.88e-05	-7.34e-06
130	51	-0.04	-0.07	-0.49	3.17e-04	-2.88e-05	7.34e-06
130	52	0.01	0.23	-0.49	-1.08e-03	8.44e-06	2.47e-05
130	53	0.01	-0.23	-0.49	1.08e-03	8.44e-06	-2.47e-05
130	54	-0.01	0.23	-0.49	-1.08e-03	-8.73e-06	2.47e-05
130	55	-0.01	-0.23	-0.49	1.08e-03	-8.73e-06	-2.47e-05
130	56	0.01	0.23	-0.49	-1.08e-03	8.44e-06	2.47e-05
130	57	0.01	-0.23	-0.49	1.08e-03	8.44e-06	-2.47e-05
130	58	-0.01	0.23	-0.49	-1.08e-03	-8.73e-06	2.47e-05
130	59	-0.01	-0.23	-0.49	1.08e-03	-8.73e-06	-2.47e-05
130	60	0.01	0.22	-0.49	-1.06e-03	8.44e-06	-2.45e-05
130	61	0.01	-0.22	-0.49	1.06e-03	8.44e-06	2.45e-05
130	62	-0.01	0.22	-0.49	-1.06e-03	-8.73e-06	-2.45e-05
130	63	-0.01	-0.22	-0.49	1.06e-03	-8.73e-06	2.45e-05
130	64	0.01	0.22	-0.49	-1.06e-03	8.44e-06	-2.45e-05
130	65	0.01	-0.22	-0.49	1.06e-03	8.44e-06	2.45e-05
130	66	-0.01	0.22	-0.49	-1.06e-03	-8.73e-06	-2.45e-05
130	67	-0.01	-0.22	-0.49	1.06e-03	-8.73e-06	2.45e-05
130	68	3.19e-05	0.09	-0.49	-5.29e-04	0.0	2.42e-05
130	69	3.19e-05	0.0	-0.49	0.0	0.0	0.0
130	70	3.19e-05	0.0	-0.49	0.0	0.0	0.0
131	1	1.25e-04	0.70	-0.64	-3.93e-03	0.0	8.89e-04
131	2	9.60e-05	0.70	-0.49	-3.93e-03	0.0	8.89e-04
131	3	9.60e-05	0.46	-0.49	-2.62e-03	0.0	5.92e-04
131	4	0.04	0.07	-0.50	-3.06e-04	2.96e-05	6.50e-06
131	5	0.04	-0.07	-0.50	3.06e-04	2.96e-05	-6.50e-06
131	6	-0.04	0.07	-0.48	-3.06e-04	-3.05e-05	6.50e-06
131	7	-0.04	-0.07	-0.48	3.06e-04	-3.05e-05	-6.50e-06
131	8	0.04	0.06	-0.50	-2.91e-04	2.96e-05	-6.33e-06
131	9	0.04	-0.06	-0.50	2.91e-04	2.96e-05	6.33e-06
131	10	-0.04	0.06	-0.48	-2.91e-04	-3.05e-05	-6.33e-06
131	11	-0.04	-0.06	-0.48	2.91e-04	-3.05e-05	6.33e-06
131	12	0.04	0.07	-0.50	-3.06e-04	2.96e-05	6.50e-06
131	13	0.04	-0.07	-0.50	3.06e-04	2.96e-05	-6.50e-06
131	14	-0.04	0.07	-0.48	-3.06e-04	-3.05e-05	6.50e-06
131	15	-0.04	-0.07	-0.48	3.06e-04	-3.05e-05	-6.50e-06
131	16	0.04	0.06	-0.50	-2.91e-04	2.96e-05	-6.33e-06
131	17	0.04	-0.06	-0.50	2.91e-04	2.96e-05	6.33e-06
131	18	-0.04	0.06	-0.48	-2.91e-04	-3.05e-05	-6.33e-06
131	19	-0.04	-0.06	-0.48	2.91e-04	-3.05e-05	6.33e-06
131	21	0.01	-0.22	-0.50	1.02e-03	8.57e-06	-2.17e-05
131	22	-0.01	0.22	-0.49	-1.02e-03	-9.44e-06	2.17e-05
131	23	-0.01	-0.22	-0.49	1.02e-03	-9.44e-06	-2.17e-05
131	24	0.01	0.22	-0.50	-1.02e-03	8.57e-06	2.17e-05
131	25	0.01	-0.22	-0.50	1.02e-03	8.57e-06	-2.17e-05
131	26	-0.01	0.22	-0.49	-1.02e-03	-9.44e-06	2.17e-05
131	27	-0.01	-0.22	-0.49	1.02e-03	-9.44e-06	-2.17e-05
131	28	0.01	0.20	-0.50	-9.69e-04	8.57e-06	-2.11e-05
131	29	0.01	-0.20	-0.50	9.69e-04	8.57e-06	2.11e-05
131	30	-0.01	0.20	-0.49	-9.69e-04	-9.44e-06	-2.11e-05
131	31	-0.01	-0.20	-0.49	9.69e-04	-9.44e-06	2.11e-05
131	32	0.01	0.20	-0.50	-9.69e-04	8.57e-06	-2.11e-05
131	33	0.01	-0.20	-0.50	9.69e-04	8.57e-06	2.11e-05
131	34	-0.01	0.20	-0.49	-9.69e-04	-9.44e-06	-2.11e-05
131	35	-0.01	-0.20	-0.49	9.69e-04	-9.44e-06	2.11e-05
131	36	0.04	0.07	-0.50	-3.28e-04	2.71e-05	6.90e-06
131	37	0.04	-0.07	-0.50	3.28e-04	2.71e-05	-6.90e-06
131	38	-0.04	0.07	-0.48	-3.28e-04	-2.80e-05	6.90e-06

131	39	-0.04	-0.07	-0.48	3.28e-04	-2.80e-05	-6.90e-06
131	40	0.04	0.06	-0.50	-3.12e-04	2.71e-05	-6.76e-06
131	41	0.04	-0.06	-0.50	3.12e-04	2.71e-05	6.76e-06
131	42	-0.04	0.06	-0.48	-3.12e-04	-2.80e-05	-6.76e-06
131	43	-0.04	-0.06	-0.48	3.12e-04	-2.80e-05	6.76e-06
131	44	0.04	0.07	-0.50	-3.28e-04	2.71e-05	6.90e-06
131	45	0.04	-0.07	-0.50	3.28e-04	2.71e-05	-6.90e-06
131	46	-0.04	0.07	-0.48	-3.28e-04	-2.80e-05	6.90e-06
131	47	-0.04	-0.07	-0.48	3.28e-04	-2.80e-05	-6.90e-06
131	48	0.04	0.06	-0.50	-3.12e-04	2.71e-05	-6.76e-06
131	49	0.04	-0.06	-0.50	3.12e-04	2.71e-05	6.76e-06
131	50	-0.04	0.06	-0.48	-3.12e-04	-2.80e-05	-6.76e-06
131	51	-0.04	-0.06	-0.48	3.12e-04	-2.80e-05	6.76e-06
131	52	0.01	0.24	-0.50	-1.09e-03	7.83e-06	2.30e-05
131	53	0.01	-0.24	-0.50	1.09e-03	7.83e-06	-2.30e-05
131	54	-0.01	0.24	-0.49	-1.09e-03	-8.71e-06	2.30e-05
131	55	-0.01	-0.24	-0.49	1.09e-03	-8.71e-06	-2.30e-05
131	56	0.01	0.24	-0.50	-1.09e-03	7.83e-06	2.30e-05
131	57	0.01	-0.24	-0.50	1.09e-03	7.83e-06	-2.30e-05
131	58	-0.01	0.24	-0.49	-1.09e-03	-8.71e-06	2.30e-05
131	59	-0.01	-0.24	-0.49	1.09e-03	-8.71e-06	-2.30e-05
131	60	0.01	0.21	-0.50	-1.04e-03	7.83e-06	-2.25e-05
131	61	0.01	-0.21	-0.50	1.04e-03	7.83e-06	2.25e-05
131	62	-0.01	0.21	-0.49	-1.04e-03	-8.71e-06	-2.25e-05
131	63	-0.01	-0.21	-0.49	1.04e-03	-8.71e-06	2.25e-05
131	64	0.01	0.21	-0.50	-1.04e-03	7.83e-06	-2.25e-05
131	65	0.01	-0.21	-0.50	1.04e-03	7.83e-06	2.25e-05
131	66	-0.01	0.21	-0.49	-1.04e-03	-8.71e-06	-2.25e-05
131	67	-0.01	-0.21	-0.49	1.04e-03	-8.71e-06	2.25e-05
131	68	9.60e-05	0.09	-0.49	-5.24e-04	0.0	1.18e-04
131	69	9.60e-05	0.0	-0.49	0.0	0.0	0.0
131	70	9.60e-05	0.0	-0.49	0.0	0.0	0.0
132	1	2.58e-04	0.69	-0.64	-3.67e-03	0.0	1.93e-03
132	2	1.99e-04	0.69	-0.49	-3.67e-03	0.0	1.93e-03
132	3	1.99e-04	0.46	-0.49	-2.44e-03	0.0	1.29e-03
132	4	0.04	0.07	-0.51	-3.00e-04	2.81e-05	5.70e-06
132	5	0.04	-0.07	-0.51	3.00e-04	2.81e-05	-5.70e-06
132	6	-0.04	0.07	-0.47	-3.00e-04	-2.90e-05	5.70e-06
132	7	-0.04	-0.07	-0.47	3.00e-04	-2.90e-05	-5.70e-06
132	8	0.04	0.06	-0.51	-2.82e-04	2.81e-05	-5.75e-06
132	9	0.04	-0.06	-0.51	2.82e-04	2.81e-05	5.75e-06
132	10	-0.04	0.06	-0.47	-2.82e-04	-2.90e-05	-5.75e-06
132	11	-0.04	-0.06	-0.47	2.82e-04	-2.90e-05	5.75e-06
132	12	0.04	0.07	-0.51	-3.00e-04	2.81e-05	5.70e-06
132	13	0.04	-0.07	-0.51	3.00e-04	2.81e-05	-5.70e-06
132	14	-0.04	0.07	-0.47	-3.00e-04	-2.90e-05	5.70e-06
132	15	-0.04	-0.07	-0.47	3.00e-04	-2.90e-05	-5.70e-06
132	16	0.04	0.06	-0.51	-2.82e-04	2.81e-05	-5.75e-06
132	17	0.04	-0.06	-0.51	2.82e-04	2.81e-05	5.75e-06
132	18	-0.04	0.06	-0.47	-2.82e-04	-2.90e-05	-5.75e-06
132	19	-0.04	-0.06	-0.47	2.82e-04	-2.90e-05	5.75e-06
132	20	0.01	0.23	-0.50	-1.00e-03	8.10e-06	1.90e-05
132	21	0.01	-0.23	-0.50	1.00e-03	8.10e-06	-1.90e-05
132	22	-0.01	0.23	-0.49	-1.00e-03	-9.04e-06	1.90e-05
132	23	-0.01	-0.23	-0.49	1.00e-03	-9.04e-06	-1.90e-05
132	24	0.01	0.23	-0.50	-1.00e-03	8.10e-06	1.90e-05
132	25	0.01	-0.23	-0.50	1.00e-03	8.10e-06	-1.90e-05
132	26	-0.01	0.23	-0.49	-1.00e-03	-9.04e-06	1.90e-05
132	27	-0.01	-0.23	-0.49	1.00e-03	-9.04e-06	-1.90e-05
132	28	0.01	0.19	-0.50	-9.41e-04	8.10e-06	-1.92e-05
132	29	0.01	-0.19	-0.50	9.41e-04	8.10e-06	1.92e-05
132	30	-0.01	0.19	-0.49	-9.41e-04	-9.04e-06	-1.92e-05
132	31	-0.01	-0.19	-0.49	9.41e-04	-9.04e-06	1.92e-05
132	32	0.01	0.19	-0.50	-9.41e-04	8.10e-06	-1.92e-05
132	33	0.01	-0.19	-0.50	9.41e-04	8.10e-06	1.92e-05
132	34	-0.01	0.19	-0.49	-9.41e-04	-9.04e-06	-1.92e-05
132	35	-0.01	-0.19	-0.49	9.41e-04	-9.04e-06	1.92e-05
132	36	0.04	0.07	-0.51	-3.21e-04	2.57e-05	6.00e-06
132	37	0.04	-0.07	-0.51	3.21e-04	2.57e-05	-6.00e-06
132	38	-0.04	0.07	-0.47	-3.21e-04	-2.66e-05	6.00e-06
132	39	-0.04	-0.07	-0.47	3.21e-04	-2.66e-05	-6.00e-06
132	40	0.04	0.06	-0.51	-3.03e-04	2.57e-05	-6.12e-06
132	41	0.04	-0.06	-0.51	3.03e-04	2.57e-05	6.12e-06
132	42	-0.04	0.06	-0.47	-3.03e-04	-2.66e-05	-6.12e-06
132	43	-0.04	-0.06	-0.47	3.03e-04	-2.66e-05	6.12e-06



132	44	0.04	0.07	-0.51	-3.21e-04	2.57e-05	6.00e-06
132	45	0.04	-0.07	-0.51	3.21e-04	2.57e-05	-6.00e-06
132	46	-0.04	0.07	-0.47	-3.21e-04	-2.66e-05	6.00e-06
132	47	-0.04	-0.07	-0.47	3.21e-04	-2.66e-05	-6.00e-06
132	48	0.04	0.06	-0.51	-3.03e-04	2.57e-05	-6.12e-06
132	49	0.04	-0.06	-0.51	3.03e-04	2.57e-05	6.12e-06
132	50	-0.04	0.06	-0.47	-3.03e-04	-2.66e-05	-6.12e-06
132	51	-0.04	-0.06	-0.47	3.03e-04	-2.66e-05	6.12e-06
132	52	0.01	0.24	-0.50	-1.07e-03	7.38e-06	2.00e-05
132	53	0.01	-0.24	-0.50	1.07e-03	7.38e-06	-2.00e-05
132	54	-0.01	0.24	-0.49	-1.07e-03	-8.32e-06	2.00e-05
132	55	-0.01	-0.24	-0.49	1.07e-03	-8.32e-06	-2.00e-05
132	56	0.01	0.24	-0.50	-1.07e-03	7.38e-06	2.00e-05
132	57	0.01	-0.24	-0.50	1.07e-03	7.38e-06	-2.00e-05
132	58	-0.01	0.24	-0.49	-1.07e-03	-8.32e-06	2.00e-05
132	59	-0.01	-0.24	-0.49	1.07e-03	-8.32e-06	-2.00e-05
132	60	0.01	0.21	-0.50	-1.01e-03	7.38e-06	-2.04e-05
132	61	0.01	-0.21	-0.50	1.01e-03	7.38e-06	2.04e-05
132	62	-0.01	0.21	-0.49	-1.01e-03	-8.32e-06	-2.04e-05
132	63	-0.01	-0.21	-0.49	1.01e-03	-8.32e-06	2.04e-05
132	64	0.01	0.21	-0.50	-1.01e-03	7.38e-06	-2.04e-05
132	65	0.01	-0.21	-0.50	1.01e-03	7.38e-06	2.04e-05
132	66	-0.01	0.21	-0.49	-1.01e-03	-8.32e-06	-2.04e-05
132	67	-0.01	-0.21	-0.49	1.01e-03	-8.32e-06	2.04e-05
132	68	1.99e-04	0.09	-0.49	-4.89e-04	0.0	2.58e-04
132	69	1.99e-04	0.0	-0.49	0.0	0.0	0.0
132	70	1.99e-04	0.0	-0.49	0.0	0.0	0.0
133	1	-1.81e-04	2.11	-0.64	-6.89e-03	-4.43e-06	-9.96e-04
133	2	-1.39e-04	2.11	-0.49	-6.89e-03	-3.41e-06	-9.96e-04
133	3	-1.39e-04	1.41	-0.49	-4.59e-03	-3.41e-06	-6.64e-04
133	4	0.05	0.13	-0.47	-3.56e-04	2.53e-05	6.76e-05
133	5	0.05	-0.13	-0.47	3.56e-04	2.53e-05	-6.76e-05
133	6	-0.05	0.13	-0.51	-3.56e-04	-3.21e-05	6.76e-05
133	7	-0.05	-0.13	-0.51	3.56e-04	-3.21e-05	-6.76e-05
133	8	0.05	0.16	-0.47	-4.51e-04	2.53e-05	8.23e-05
133	9	0.05	-0.16	-0.47	4.51e-04	2.53e-05	-8.23e-05
133	10	-0.05	0.16	-0.51	-4.51e-04	-3.21e-05	8.23e-05
133	11	-0.05	-0.16	-0.51	4.51e-04	-3.21e-05	-8.23e-05
133	12	0.05	0.13	-0.47	-3.56e-04	2.53e-05	6.76e-05
133	13	0.05	-0.13	-0.47	3.56e-04	2.53e-05	-6.76e-05
133	14	-0.05	0.13	-0.51	-3.56e-04	-3.21e-05	6.76e-05
133	15	-0.05	-0.13	-0.51	3.56e-04	-3.21e-05	-6.76e-05
133	16	0.05	0.16	-0.47	-4.51e-04	2.53e-05	8.23e-05
133	17	0.05	-0.16	-0.47	4.51e-04	2.53e-05	-8.23e-05
133	18	-0.05	0.16	-0.51	-4.51e-04	-3.21e-05	8.23e-05
133	19	-0.05	-0.16	-0.51	4.51e-04	-3.21e-05	-8.23e-05
133	20	0.01	0.45	-0.49	-1.19e-03	5.21e-06	2.25e-04
133	21	0.01	-0.45	-0.49	1.19e-03	5.21e-06	-2.25e-04
133	22	-0.01	0.45	-0.50	-1.19e-03	-1.20e-05	2.25e-04
133	23	-0.01	-0.45	-0.50	1.19e-03	-1.20e-05	-2.25e-04
133	24	0.01	0.45	-0.49	-1.19e-03	5.21e-06	2.25e-04
133	25	0.01	-0.45	-0.49	1.19e-03	5.21e-06	-2.25e-04
133	26	-0.01	0.45	-0.50	-1.19e-03	-1.20e-05	2.25e-04
133	27	-0.01	-0.45	-0.50	1.19e-03	-1.20e-05	-2.25e-04
133	28	0.01	0.52	-0.49	-1.50e-03	5.21e-06	2.74e-04
133	29	0.01	-0.52	-0.49	1.50e-03	5.21e-06	-2.74e-04
133	30	-0.01	0.52	-0.50	-1.50e-03	-1.20e-05	2.74e-04
133	31	-0.01	-0.52	-0.50	1.50e-03	-1.20e-05	-2.74e-04
133	32	0.01	0.52	-0.49	-1.50e-03	5.21e-06	2.74e-04
133	33	0.01	-0.52	-0.49	1.50e-03	5.21e-06	-2.74e-04
133	34	-0.01	0.52	-0.50	-1.50e-03	-1.20e-05	2.74e-04
133	35	-0.01	-0.52	-0.50	1.50e-03	-1.20e-05	-2.74e-04
133	36	0.04	0.14	-0.47	-3.78e-04	2.29e-05	5.86e-05
133	37	0.04	-0.14	-0.47	3.78e-04	2.29e-05	-5.86e-05
133	38	-0.05	0.14	-0.51	-3.78e-04	-2.97e-05	5.86e-05
133	39	-0.05	-0.14	-0.51	3.78e-04	-2.97e-05	-5.86e-05
133	40	0.04	0.17	-0.47	-4.77e-04	2.29e-05	7.08e-05
133	41	0.04	-0.17	-0.47	4.77e-04	2.29e-05	-7.08e-05
133	42	-0.05	0.17	-0.51	-4.77e-04	-2.97e-05	7.08e-05
133	43	-0.05	-0.17	-0.51	4.77e-04	-2.97e-05	-7.08e-05
133	44	0.04	0.14	-0.47	-3.78e-04	2.29e-05	5.86e-05
133	45	0.04	-0.14	-0.47	3.78e-04	2.29e-05	-5.86e-05
133	46	-0.05	0.14	-0.51	-3.78e-04	-2.97e-05	5.86e-05
133	47	-0.05	-0.14	-0.51	3.78e-04	-2.97e-05	-5.86e-05
133	48	0.04	0.17	-0.47	-4.77e-04	2.29e-05	7.08e-05

133	49	0.04	-0.17	-0.47	4.77e-04	2.29e-05	-7.08e-05
133	50	-0.05	0.17	-0.51	-4.77e-04	-2.97e-05	7.08e-05
133	51	-0.05	-0.17	-0.51	4.77e-04	-2.97e-05	-7.08e-05
133	52	0.01	0.48	-0.49	-1.26e-03	4.49e-06	1.95e-04
133	53	0.01	-0.48	-0.49	1.26e-03	4.49e-06	-1.95e-04
133	54	-0.01	0.48	-0.50	-1.26e-03	-1.13e-05	1.95e-04
133	55	-0.01	-0.48	-0.50	1.26e-03	-1.13e-05	-1.95e-04
133	56	0.01	0.48	-0.49	-1.26e-03	4.49e-06	1.95e-04
133	57	0.01	-0.48	-0.49	1.26e-03	4.49e-06	-1.95e-04
133	58	-0.01	0.48	-0.50	-1.26e-03	-1.13e-05	1.95e-04
133	59	-0.01	-0.48	-0.50	1.26e-03	-1.13e-05	-1.95e-04
133	60	0.01	0.56	-0.49	-1.59e-03	4.49e-06	2.36e-04
133	61	0.01	-0.56	-0.49	1.59e-03	4.49e-06	-2.36e-04
133	62	-0.01	0.56	-0.50	-1.59e-03	-1.13e-05	2.36e-04
133	63	-0.01	-0.56	-0.50	1.59e-03	-1.13e-05	-2.36e-04
133	64	0.01	0.56	-0.49	-1.59e-03	4.49e-06	2.36e-04
133	65	0.01	-0.56	-0.49	1.59e-03	4.49e-06	-2.36e-04
133	66	-0.01	0.56	-0.50	-1.59e-03	-1.13e-05	2.36e-04
133	67	-0.01	-0.56	-0.50	1.59e-03	-1.13e-05	-2.36e-04
133	68	-1.39e-04	0.28	-0.49	-9.19e-04	-3.41e-06	-1.33e-04
133	69	-1.39e-04	0.0	-0.49	0.0	-3.41e-06	0.0
133	70	-1.39e-04	0.0	-0.49	0.0	-3.41e-06	0.0
134	1	-1.12e-04	2.45	-0.64	-8.67e-03	-1.11e-06	-3.14e-04
134	2	-8.59e-05	2.45	-0.49	-8.67e-03	0.0	-3.14e-04
134	3	-8.59e-05	1.64	-0.49	-5.78e-03	0.0	-2.09e-04
134	4	0.05	0.14	-0.48	-4.04e-04	2.74e-05	4.24e-05
134	5	0.05	-0.14	-0.48	4.04e-04	2.74e-05	-4.24e-05
134	6	-0.05	0.14	-0.50	-4.04e-04	-2.91e-05	4.24e-05
134	7	-0.05	-0.14	-0.50	4.04e-04	-2.91e-05	-4.24e-05
134	8	0.05	0.16	-0.48	-4.77e-04	2.74e-05	-2.70e-05
134	9	0.05	-0.16	-0.48	4.77e-04	2.74e-05	2.70e-05
134	10	-0.05	0.16	-0.50	-4.77e-04	-2.91e-05	-2.70e-05
134	11	-0.05	-0.16	-0.50	4.77e-04	-2.91e-05	2.70e-05
134	12	0.05	0.14	-0.48	-4.04e-04	2.74e-05	4.24e-05
134	13	0.05	-0.14	-0.48	4.04e-04	2.74e-05	-4.24e-05
134	14	-0.05	0.14	-0.50	-4.04e-04	-2.91e-05	4.24e-05
134	15	-0.05	-0.14	-0.50	4.04e-04	-2.91e-05	-4.24e-05
134	16	0.05	0.16	-0.48	-4.77e-04	2.74e-05	-2.70e-05
134	17	0.05	-0.16	-0.48	4.77e-04	2.74e-05	2.70e-05
134	18	-0.05	0.16	-0.50	-4.77e-04	-2.91e-05	-2.70e-05
134	19	-0.05	-0.16	-0.50	4.77e-04	-2.91e-05	2.70e-05
134	20	0.01	0.48	-0.49	-1.35e-03	7.63e-06	1.41e-04
134	21	0.01	-0.48	-0.49	1.35e-03	7.63e-06	-1.41e-04
134	22	-0.01	0.48	-0.50	-1.35e-03	-9.34e-06	1.41e-04
134	23	-0.01	-0.48	-0.50	1.35e-03	-9.34e-06	-1.41e-04
134	24	0.01	0.48	-0.49	-1.35e-03	7.63e-06	1.41e-04
134	25	0.01	-0.48	-0.49	1.35e-03	7.63e-06	-1.41e-04
134	26	-0.01	0.48	-0.50	-1.35e-03	-9.34e-06	1.41e-04
134	27	-0.01	-0.48	-0.50	1.35e-03	-9.34e-06	-1.41e-04
134	28	0.01	0.53	-0.49	-1.59e-03	7.63e-06	-8.99e-05
134	29	0.01	-0.53	-0.49	1.59e-03	7.63e-06	8.99e-05
134	30	-0.01	0.53	-0.50	-1.59e-03	-9.34e-06	-8.99e-05
134	31	-0.01	-0.53	-0.50	1.59e-03	-9.34e-06	8.99e-05
134	32	0.01	0.53	-0.49	-1.59e-03	7.63e-06	-8.99e-05
134	33	0.01	-0.53	-0.49	1.59e-03	7.63e-06	8.99e-05
134	34	-0.01	0.53	-0.50	-1.59e-03	-9.34e-06	-8.99e-05
134	35	-0.01	-0.53	-0.50	1.59e-03	-9.34e-06	8.99e-05
134	36	0.05	0.15	-0.48	-4.30e-04	2.50e-05	3.76e-05
134	37	0.05	-0.15	-0.48	4.30e-04	2.50e-05	-3.76e-05
134	38	-0.05	0.15	-0.50	-4.30e-04	-2.67e-05	3.76e-05
134	39	-0.05	-0.15	-0.50	4.30e-04	-2.67e-05	-3.76e-05
134	40	0.05	0.17	-0.48	-5.08e-04	2.50e-05	-2.27e-05
134	41	0.05	-0.17	-0.48	5.08e-04	2.50e-05	2.27e-05
134	42	-0.05	0.17	-0.50	-5.08e-04	-2.67e-05	-2.27e-05
134	43	-0.05	-0.17	-0.50	5.08e-04	-2.67e-05	2.27e-05
134	44	0.05	0.15	-0.48	-4.30e-04	2.50e-05	3.76e-05
134	45	0.05	-0.15	-0.48	4.30e-04	2.50e-05	-3.76e-05
134	46	-0.05	0.15	-0.50	-4.30e-04	-2.67e-05	3.76e-05
134	47	-0.05	-0.15	-0.50	4.30e-04	-2.67e-05	-3.76e-05
134	48	0.05	0.17	-0.48	-5.08e-04	2.50e-05	-2.27e-05
134	49	0.05	-0.17	-0.48	5.08e-04	2.50e-05	2.27e-05
134	50	-0.05	0.17	-0.50	-5.08e-04	-2.67e-05	-2.27e-05
134	51	-0.05	-0.17	-0.50	5.08e-04	-2.67e-05	2.27e-05
134	52	0.01	0.51	-0.49	-1.43e-03	6.91e-06	1.25e-04
134	53	0.01	-0.51	-0.49	1.43e-03	6.91e-06	-1.25e-04

134	54	-0.01	0.51	-0.50	-1.43e-03	-8.62e-06	1.25e-04
134	55	-0.01	-0.51	-0.50	1.43e-03	-8.62e-06	-1.25e-04
134	56	0.01	0.51	-0.49	-1.43e-03	6.91e-06	1.25e-04
134	57	0.01	-0.51	-0.49	1.43e-03	6.91e-06	-1.25e-04
134	58	-0.01	0.51	-0.50	-1.43e-03	-8.62e-06	1.25e-04
134	59	-0.01	-0.51	-0.50	1.43e-03	-8.62e-06	-1.25e-04
134	60	0.01	0.57	-0.49	-1.69e-03	6.91e-06	-7.58e-05
134	61	0.01	-0.57	-0.49	1.69e-03	6.91e-06	7.58e-05
134	62	-0.01	0.57	-0.50	-1.69e-03	-8.62e-06	-7.58e-05
134	63	-0.01	-0.57	-0.50	1.69e-03	-8.62e-06	7.58e-05
134	64	0.01	0.57	-0.49	-1.69e-03	6.91e-06	-7.58e-05
134	65	0.01	-0.57	-0.49	1.69e-03	6.91e-06	7.58e-05
134	66	-0.01	0.57	-0.50	-1.69e-03	-8.62e-06	-7.58e-05
134	67	-0.01	-0.57	-0.50	1.69e-03	-8.62e-06	7.58e-05
134	68	-8.59e-05	0.33	-0.49	-1.16e-03	0.0	-4.19e-05
134	69	-8.59e-05	0.0	-0.49	0.0	0.0	0.0
134	70	-8.59e-05	0.0	-0.49	0.0	0.0	0.0
135	1	-4.03e-05	2.47	-0.64	-8.65e-03	0.0	-2.88e-04
135	2	-3.10e-05	2.47	-0.49	-8.65e-03	0.0	-2.88e-04
135	3	-3.10e-05	1.65	-0.49	-5.77e-03	0.0	-1.92e-04
135	4	0.05	0.15	-0.49	-4.32e-04	2.78e-05	3.61e-05
135	5	0.05	-0.15	-0.49	4.32e-04	2.78e-05	-3.61e-05
135	6	-0.05	0.15	-0.50	-4.32e-04	-2.83e-05	3.61e-05
135	7	-0.05	-0.15	-0.50	4.32e-04	-2.83e-05	-3.61e-05
135	8	0.05	0.15	-0.49	-4.58e-04	2.78e-05	-4.81e-05
135	9	0.05	-0.15	-0.49	4.58e-04	2.78e-05	4.81e-05
135	10	-0.05	0.15	-0.50	-4.58e-04	-2.83e-05	-4.81e-05
135	11	-0.05	-0.15	-0.50	4.58e-04	-2.83e-05	4.81e-05
135	12	0.05	0.15	-0.49	-4.32e-04	2.78e-05	3.61e-05
135	13	0.05	-0.15	-0.49	4.32e-04	2.78e-05	-3.61e-05
135	14	-0.05	0.15	-0.50	-4.32e-04	-2.83e-05	3.61e-05
135	15	-0.05	-0.15	-0.50	4.32e-04	-2.83e-05	-3.61e-05
135	16	0.05	0.15	-0.49	-4.58e-04	2.78e-05	-4.81e-05
135	17	0.05	-0.15	-0.49	4.58e-04	2.78e-05	4.81e-05
135	18	-0.05	0.15	-0.50	-4.58e-04	-2.83e-05	-4.81e-05
135	19	-0.05	-0.15	-0.50	4.58e-04	-2.83e-05	4.81e-05
135	20	0.01	0.50	-0.49	-1.44e-03	8.16e-06	1.20e-04
135	21	0.01	-0.50	-0.49	1.44e-03	8.16e-06	-1.20e-04
135	22	-0.01	0.50	-0.49	-1.44e-03	-8.65e-06	1.20e-04
135	23	-0.01	-0.50	-0.49	1.44e-03	-8.65e-06	-1.20e-04
135	24	0.01	0.50	-0.49	-1.44e-03	8.16e-06	1.20e-04
135	25	0.01	-0.50	-0.49	1.44e-03	8.16e-06	-1.20e-04
135	26	-0.01	0.50	-0.49	-1.44e-03	-8.65e-06	1.20e-04
135	27	-0.01	-0.50	-0.49	1.44e-03	-8.65e-06	-1.20e-04
135	28	0.01	0.52	-0.49	-1.53e-03	8.16e-06	-1.60e-04
135	29	0.01	-0.52	-0.49	1.53e-03	8.16e-06	1.60e-04
135	30	-0.01	0.52	-0.49	-1.53e-03	-8.65e-06	-1.60e-04
135	31	-0.01	-0.52	-0.49	1.53e-03	-8.65e-06	1.60e-04
135	32	0.01	0.52	-0.49	-1.53e-03	8.16e-06	-1.60e-04
135	33	0.01	-0.52	-0.49	1.53e-03	8.16e-06	1.60e-04
135	34	-0.01	0.52	-0.49	-1.53e-03	-8.65e-06	-1.60e-04
135	35	-0.01	-0.52	-0.49	1.53e-03	-8.65e-06	1.60e-04
135	36	0.05	0.16	-0.49	-4.59e-04	2.54e-05	3.11e-05
135	37	0.05	-0.16	-0.49	4.59e-04	2.54e-05	-3.11e-05
135	38	-0.05	0.16	-0.50	-4.59e-04	-2.59e-05	3.11e-05
135	39	-0.05	-0.16	-0.50	4.59e-04	-2.59e-05	-3.11e-05
135	40	0.05	0.17	-0.49	-4.88e-04	2.54e-05	-4.37e-05
135	41	0.05	-0.17	-0.49	4.88e-04	2.54e-05	4.37e-05
135	42	-0.05	0.17	-0.50	-4.88e-04	-2.59e-05	-4.37e-05
135	43	-0.05	-0.17	-0.50	4.88e-04	-2.59e-05	4.37e-05
135	44	0.05	0.16	-0.49	-4.59e-04	2.54e-05	3.11e-05
135	45	0.05	-0.16	-0.49	4.59e-04	2.54e-05	-3.11e-05
135	46	-0.05	0.16	-0.50	-4.59e-04	-2.59e-05	3.11e-05
135	47	-0.05	-0.16	-0.50	4.59e-04	-2.59e-05	-3.11e-05
135	48	0.05	0.17	-0.49	-4.88e-04	2.54e-05	-4.37e-05
135	49	0.05	-0.17	-0.49	4.88e-04	2.54e-05	4.37e-05
135	50	-0.05	0.17	-0.50	-4.88e-04	-2.59e-05	-4.37e-05
135	51	-0.05	-0.17	-0.50	4.88e-04	-2.59e-05	4.37e-05
135	52	0.01	0.53	-0.49	-1.53e-03	7.45e-06	1.04e-04
135	53	0.01	-0.53	-0.49	1.53e-03	7.45e-06	-1.04e-04
135	54	-0.01	0.53	-0.49	-1.53e-03	-7.94e-06	1.04e-04
135	55	-0.01	-0.53	-0.49	1.53e-03	-7.94e-06	-1.04e-04
135	56	0.01	0.53	-0.49	-1.53e-03	7.45e-06	1.04e-04
135	57	0.01	-0.53	-0.49	1.53e-03	7.45e-06	-1.04e-04
135	58	-0.01	0.53	-0.49	-1.53e-03	-7.94e-06	1.04e-04

135	59	-0.01	-0.53	-0.49	1.53e-03	-7.94e-06	-1.04e-04
135	60	0.01	0.55	-0.49	-1.63e-03	7.45e-06	-1.46e-04
135	61	0.01	-0.55	-0.49	1.63e-03	7.45e-06	1.46e-04
135	62	-0.01	0.55	-0.49	-1.63e-03	-7.94e-06	-1.46e-04
135	63	-0.01	-0.55	-0.49	1.63e-03	-7.94e-06	1.46e-04
135	64	0.01	0.55	-0.49	-1.63e-03	7.45e-06	-1.46e-04
135	65	0.01	-0.55	-0.49	1.63e-03	7.45e-06	1.46e-04
135	66	-0.01	0.55	-0.49	-1.63e-03	-7.94e-06	-1.46e-04
135	67	-0.01	-0.55	-0.49	1.63e-03	-7.94e-06	1.46e-04
135	68	-3.10e-05	0.33	-0.49	-1.15e-03	0.0	-3.84e-05
135	69	-3.10e-05	0.0	-0.49	0.0	0.0	0.0
135	70	-3.10e-05	0.0	-0.49	0.0	0.0	0.0
136	1	4.03e-05	2.47	-0.64	-8.65e-03	0.0	2.88e-04
136	2	3.10e-05	2.47	-0.49	-8.65e-03	0.0	2.88e-04
136	3	3.10e-05	1.65	-0.49	-5.77e-03	0.0	1.92e-04
136	4	0.05	0.15	-0.50	-4.58e-04	2.83e-05	4.81e-05
136	5	0.05	-0.15	-0.50	4.58e-04	2.83e-05	-4.81e-05
136	6	-0.05	0.15	-0.49	-4.58e-04	-2.78e-05	4.81e-05
136	7	-0.05	-0.15	-0.49	4.58e-04	-2.78e-05	-4.81e-05
136	8	0.05	0.15	-0.50	-4.32e-04	2.83e-05	-3.61e-05
136	9	0.05	-0.15	-0.50	4.32e-04	2.83e-05	3.61e-05
136	10	-0.05	0.15	-0.49	-4.32e-04	-2.78e-05	-3.61e-05
136	11	-0.05	-0.15	-0.49	4.32e-04	-2.78e-05	3.61e-05
136	12	0.05	0.15	-0.50	-4.58e-04	2.83e-05	4.81e-05
136	13	0.05	-0.15	-0.50	4.58e-04	2.83e-05	-4.81e-05
136	14	-0.05	0.15	-0.49	-4.58e-04	-2.78e-05	4.81e-05
136	15	-0.05	-0.15	-0.49	4.58e-04	-2.78e-05	-4.81e-05
136	16	0.05	0.15	-0.50	-4.32e-04	2.83e-05	-3.61e-05
136	17	0.05	-0.15	-0.50	4.32e-04	2.83e-05	3.61e-05
136	18	-0.05	0.15	-0.49	-4.32e-04	-2.78e-05	-3.61e-05
136	19	-0.05	-0.15	-0.49	4.32e-04	-2.78e-05	3.61e-05
136	20	0.01	0.52	-0.49	-1.53e-03	8.65e-06	1.60e-04
136	21	0.01	-0.52	-0.49	1.53e-03	8.65e-06	-1.60e-04
136	22	-0.01	0.52	-0.49	-1.53e-03	-8.16e-06	1.60e-04
136	23	-0.01	-0.52	-0.49	1.53e-03	-8.16e-06	-1.60e-04
136	24	0.01	0.52	-0.49	-1.53e-03	8.65e-06	1.60e-04
136	25	0.01	-0.52	-0.49	1.53e-03	8.65e-06	-1.60e-04
136	26	-0.01	0.52	-0.49	-1.53e-03	-8.16e-06	1.60e-04
136	27	-0.01	-0.52	-0.49	1.53e-03	-8.16e-06	-1.60e-04
136	28	0.01	0.50	-0.49	-1.44e-03	8.65e-06	-1.20e-04
136	29	0.01	-0.50	-0.49	1.44e-03	8.65e-06	1.20e-04
136	30	-0.01	0.50	-0.49	-1.44e-03	-8.16e-06	-1.20e-04
136	31	-0.01	-0.50	-0.49	1.44e-03	-8.16e-06	1.20e-04
136	32	0.01	0.50	-0.49	-1.44e-03	8.65e-06	-1.20e-04
136	33	0.01	-0.50	-0.49	1.44e-03	8.65e-06	1.20e-04
136	34	-0.01	0.50	-0.49	-1.44e-03	-8.16e-06	-1.20e-04
136	35	-0.01	-0.50	-0.49	1.44e-03	-8.16e-06	1.20e-04
136	36	0.05	0.17	-0.50	-4.88e-04	2.59e-05	4.37e-05
136	37	0.05	-0.17	-0.50	4.88e-04	2.59e-05	-4.37e-05
136	38	-0.05	0.17	-0.49	-4.88e-04	-2.54e-05	4.37e-05
136	39	-0.05	-0.17	-0.49	4.88e-04	-2.54e-05	-4.37e-05
136	40	0.05	0.16	-0.50	-4.59e-04	2.59e-05	-3.11e-05
136	41	0.05	-0.16	-0.50	4.59e-04	2.59e-05	3.11e-05
136	42	-0.05	0.16	-0.49	-4.59e-04	-2.54e-05	-3.11e-05
136	43	-0.05	-0.16	-0.49	4.59e-04	-2.54e-05	3.11e-05
136	44	0.05	0.17	-0.50	-4.88e-04	2.59e-05	4.37e-05
136	45	0.05	-0.17	-0.50	4.88e-04	2.59e-05	-4.37e-05
136	46	-0.05	0.17	-0.49	-4.88e-04	-2.54e-05	4.37e-05
136	47	-0.05	-0.17	-0.49	4.88e-04	-2.54e-05	-4.37e-05
136	48	0.05	0.16	-0.50	-4.59e-04	2.59e-05	-3.11e-05
136	49	0.05	-0.16	-0.50	4.59e-04	2.59e-05	3.11e-05
136	50	-0.05	0.16	-0.49	-4.59e-04	-2.54e-05	-3.11e-05
136	51	-0.05	-0.16	-0.49	4.59e-04	-2.54e-05	3.11e-05
136	52	0.01	0.55	-0.49	-1.63e-03	7.94e-06	1.46e-04
136	53	0.01	-0.55	-0.49	1.63e-03	7.94e-06	-1.46e-04
136	54	-0.01	0.55	-0.49	-1.63e-03	-7.45e-06	1.46e-04
136	55	-0.01	-0.55	-0.49	1.63e-03	-7.45e-06	-1.46e-04
136	56	0.01	0.55	-0.49	-1.63e-03	7.94e-06	1.46e-04
136	57	0.01	-0.55	-0.49	1.63e-03	7.94e-06	-1.46e-04
136	58	-0.01	0.55	-0.49	-1.63e-03	-7.45e-06	1.46e-04
136	59	-0.01	-0.55	-0.49	1.63e-03	-7.45e-06	-1.46e-04
136	60	0.01	0.53	-0.49	-1.53e-03	7.94e-06	-1.04e-04
136	61	0.01	-0.53	-0.49	1.53e-03	7.94e-06	1.04e-04
136	62	-0.01	0.53	-0.49	-1.53e-03	-7.45e-06	-1.04e-04
136	63	-0.01	-0.53	-0.49	1.53e-03	-7.45e-06	1.04e-04

136	64	0.01	0.53	-0.49	-1.53e-03	7.94e-06	-1.04e-04
136	65	0.01	-0.53	-0.49	1.53e-03	7.94e-06	1.04e-04
136	66	-0.01	0.53	-0.49	-1.53e-03	-7.94e-06	-1.04e-04
136	67	-0.01	-0.53	-0.49	1.53e-03	-7.45e-06	1.04e-04
136	68	3.10e-05	0.33	-0.49	-1.15e-03	0.0	3.84e-05
136	69	3.10e-05	0.0	-0.49	0.0	0.0	0.0
136	70	3.10e-05	0.0	-0.49	0.0	0.0	0.0
137	1	1.12e-04	2.45	-0.64	-8.67e-03	1.11e-06	3.14e-04
137	2	8.59e-05	2.45	-0.49	-8.67e-03	0.0	3.14e-04
137	3	8.59e-05	1.64	-0.49	-5.78e-03	0.0	2.09e-04
137	4	0.05	0.16	-0.50	-4.77e-04	2.91e-05	2.70e-05
137	5	0.05	-0.16	-0.50	4.77e-04	2.91e-05	-2.70e-05
137	6	-0.05	0.16	-0.48	-4.77e-04	-2.74e-05	2.70e-05
137	7	-0.05	-0.16	-0.48	4.77e-04	-2.74e-05	-2.70e-05
137	8	0.05	0.14	-0.50	-4.04e-04	2.91e-05	-4.24e-05
137	9	0.05	-0.14	-0.50	4.04e-04	2.91e-05	4.24e-05
137	10	-0.05	0.14	-0.48	-4.04e-04	-2.74e-05	-4.24e-05
137	11	-0.05	-0.14	-0.48	4.04e-04	-2.74e-05	4.24e-05
137	12	0.05	0.16	-0.50	-4.77e-04	2.91e-05	2.70e-05
137	13	0.05	-0.16	-0.50	4.77e-04	2.91e-05	-2.70e-05
137	14	-0.05	0.16	-0.48	-4.77e-04	-2.74e-05	2.70e-05
137	15	-0.05	-0.16	-0.48	4.77e-04	-2.74e-05	-2.70e-05
137	16	0.05	0.14	-0.50	-4.04e-04	2.91e-05	-4.24e-05
137	17	0.05	-0.14	-0.50	4.04e-04	2.91e-05	4.24e-05
137	18	-0.05	0.14	-0.48	-4.04e-04	-2.74e-05	-4.24e-05
137	19	-0.05	-0.14	-0.48	4.04e-04	-2.74e-05	4.24e-05
137	20	0.01	0.53	-0.50	-1.59e-03	9.34e-06	8.99e-05
137	21	0.01	-0.53	-0.50	1.59e-03	9.34e-06	-8.99e-05
137	22	-0.01	0.53	-0.49	-1.59e-03	-7.63e-06	8.99e-05
137	23	-0.01	-0.53	-0.49	1.59e-03	-7.63e-06	-8.99e-05
137	24	0.01	0.53	-0.50	-1.59e-03	9.34e-06	8.99e-05
137	25	0.01	-0.53	-0.50	1.59e-03	9.34e-06	-8.99e-05
137	26	-0.01	0.53	-0.49	-1.59e-03	-7.63e-06	8.99e-05
137	27	-0.01	-0.53	-0.49	1.59e-03	-7.63e-06	-8.99e-05
137	28	0.01	0.48	-0.50	-1.35e-03	9.34e-06	-1.41e-04
137	29	0.01	-0.48	-0.50	1.35e-03	9.34e-06	1.41e-04
137	30	-0.01	0.48	-0.49	-1.35e-03	-7.63e-06	-1.41e-04
137	31	-0.01	-0.48	-0.49	1.35e-03	-7.63e-06	1.41e-04
137	32	0.01	0.48	-0.50	-1.35e-03	9.34e-06	-1.41e-04
137	33	0.01	-0.48	-0.50	1.35e-03	9.34e-06	1.41e-04
137	34	-0.01	0.48	-0.49	-1.35e-03	-7.63e-06	-1.41e-04
137	35	-0.01	-0.48	-0.49	1.35e-03	-7.63e-06	1.41e-04
137	36	0.05	0.17	-0.50	-5.08e-04	2.67e-05	2.27e-05
137	37	0.05	-0.17	-0.50	5.08e-04	2.67e-05	-2.27e-05
137	38	-0.05	0.17	-0.48	-5.08e-04	-2.50e-05	2.27e-05
137	39	-0.05	-0.17	-0.48	5.08e-04	-2.50e-05	-2.27e-05
137	40	0.05	0.15	-0.50	-4.30e-04	2.67e-05	-3.76e-05
137	41	0.05	-0.15	-0.50	4.30e-04	2.67e-05	3.76e-05
137	42	-0.05	0.15	-0.48	-4.30e-04	-2.50e-05	-3.76e-05
137	43	-0.05	-0.15	-0.48	4.30e-04	-2.50e-05	3.76e-05
137	44	0.05	0.17	-0.50	-5.08e-04	2.67e-05	2.27e-05
137	45	0.05	-0.17	-0.50	5.08e-04	2.67e-05	-2.27e-05
137	46	-0.05	0.17	-0.48	-5.08e-04	-2.50e-05	2.27e-05
137	47	-0.05	-0.17	-0.48	5.08e-04	-2.50e-05	-2.27e-05
137	48	0.05	0.15	-0.50	-4.30e-04	2.67e-05	-3.76e-05
137	49	0.05	-0.15	-0.50	4.30e-04	2.67e-05	3.76e-05
137	50	-0.05	0.15	-0.48	-4.30e-04	-2.50e-05	-3.76e-05
137	51	-0.05	-0.15	-0.48	4.30e-04	-2.50e-05	3.76e-05
137	52	0.01	0.57	-0.50	-1.69e-03	8.62e-06	7.58e-05
137	53	0.01	-0.57	-0.50	1.69e-03	8.62e-06	-7.58e-05
137	54	-0.01	0.57	-0.49	-1.69e-03	-6.91e-06	7.58e-05
137	55	-0.01	-0.57	-0.49	1.69e-03	-6.91e-06	-7.58e-05
137	56	0.01	0.57	-0.50	-1.69e-03	8.62e-06	7.58e-05
137	57	0.01	-0.57	-0.50	1.69e-03	8.62e-06	-7.58e-05
137	58	-0.01	0.57	-0.49	-1.69e-03	-6.91e-06	7.58e-05
137	59	-0.01	-0.57	-0.49	1.69e-03	-6.91e-06	-7.58e-05
137	60	0.01	0.51	-0.50	-1.43e-03	8.62e-06	-1.25e-04
137	61	0.01	-0.51	-0.50	1.43e-03	8.62e-06	1.25e-04
137	62	-0.01	0.51	-0.49	-1.43e-03	-6.91e-06	-1.25e-04
137	63	-0.01	-0.51	-0.49	1.43e-03	-6.91e-06	1.25e-04
137	64	0.01	0.51	-0.50	-1.43e-03	8.62e-06	-1.25e-04
137	65	0.01	-0.51	-0.50	1.43e-03	8.62e-06	1.25e-04
137	66	-0.01	0.51	-0.49	-1.43e-03	-6.91e-06	-1.25e-04
137	67	-0.01	-0.51	-0.49	1.43e-03	-6.91e-06	1.25e-04
137	68	8.59e-05	0.33	-0.49	-1.16e-03	0.0	4.19e-05

137	69	8.59e-05	0.0	-0.49	0.0	0.0	0.0
137	70	8.59e-05	0.0	-0.49	0.0	0.0	0.0
138	1	1.81e-04	2.11	-0.64	-6.89e-03	4.43e-06	9.96e-04
138	2	1.39e-04	2.11	-0.49	-6.89e-03	3.41e-06	9.96e-04
138	3	1.39e-04	1.41	-0.49	-4.59e-03	3.41e-06	6.64e-04
138	4	0.05	0.16	-0.51	-4.51e-04	3.21e-05	-8.23e-05
138	5	0.05	-0.16	-0.51	4.51e-04	3.21e-05	8.23e-05
138	6	-0.05	0.16	-0.47	-4.51e-04	-2.53e-05	-8.23e-05
138	7	-0.05	-0.16	-0.47	4.51e-04	-2.53e-05	8.23e-05
138	8	0.05	0.13	-0.51	-3.56e-04	3.21e-05	-6.76e-05
138	9	0.05	-0.13	-0.51	3.56e-04	3.21e-05	6.76e-05
138	10	-0.05	0.13	-0.47	-3.56e-04	-2.53e-05	-6.76e-05
138	11	-0.05	-0.13	-0.47	3.56e-04	-2.53e-05	6.76e-05
138	12	0.05	0.16	-0.51	-4.51e-04	3.21e-05	-8.23e-05
138	13	0.05	-0.16	-0.51	4.51e-04	3.21e-05	8.23e-05
138	14	-0.05	0.16	-0.47	-4.51e-04	-2.53e-05	-8.23e-05
138	15	-0.05	-0.16	-0.47	4.51e-04	-2.53e-05	8.23e-05
138	16	0.05	0.13	-0.51	-3.56e-04	3.21e-05	-6.76e-05
138	17	0.05	-0.13	-0.51	3.56e-04	3.21e-05	6.76e-05
138	18	-0.05	0.13	-0.47	-3.56e-04	-2.53e-05	-6.76e-05
138	19	-0.05	-0.13	-0.47	3.56e-04	-2.53e-05	6.76e-05
138	20	0.01	0.52	-0.50	-1.50e-03	1.20e-05	-2.74e-04
138	21	0.01	-0.52	-0.50	1.50e-03	1.20e-05	2.74e-04
138	22	-0.01	0.52	-0.49	-1.50e-03	-5.21e-06	-2.74e-04
138	23	-0.01	-0.52	-0.49	1.50e-03	-5.21e-06	2.74e-04
138	24	0.01	0.52	-0.50	-1.50e-03	1.20e-05	-2.74e-04
138	25	0.01	-0.52	-0.50	1.50e-03	1.20e-05	2.74e-04
138	26	-0.01	0.52	-0.49	-1.50e-03	-5.21e-06	-2.74e-04
138	27	-0.01	-0.52	-0.49	1.50e-03	-5.21e-06	2.74e-04
138	28	0.01	0.45	-0.50	-1.19e-03	1.20e-05	-2.25e-04
138	29	0.01	-0.45	-0.50	1.19e-03	1.20e-05	2.25e-04
138	30	-0.01	0.45	-0.49	-1.19e-03	-5.21e-06	-2.25e-04
138	31	-0.01	-0.45	-0.49	1.19e-03	-5.21e-06	2.25e-04
138	32	0.01	0.45	-0.50	-1.19e-03	1.20e-05	-2.25e-04
138	33	0.01	-0.45	-0.50	1.19e-03	1.20e-05	2.25e-04
138	34	-0.01	0.45	-0.49	-1.19e-03	-5.21e-06	-2.25e-04
138	35	-0.01	-0.45	-0.49	1.19e-03	-5.21e-06	2.25e-04
138	36	0.05	0.17	-0.51	-4.77e-04	2.97e-05	-7.08e-05
138	37	0.05	-0.17	-0.51	4.77e-04	2.97e-05	7.08e-05
138	38	-0.04	0.17	-0.47	-4.77e-04	-2.29e-05	-7.08e-05
138	39	-0.04	-0.17	-0.47	4.77e-04	-2.29e-05	7.08e-05
138	40	0.05	0.14	-0.51	-3.78e-04	2.97e-05	-5.86e-05
138	41	0.05	-0.14	-0.51	3.78e-04	2.97e-05	5.86e-05
138	42	-0.04	0.14	-0.47	-3.78e-04	-2.29e-05	-5.86e-05
138	43	-0.04	-0.14	-0.47	3.78e-04	-2.29e-05	5.86e-05
138	44	0.05	0.17	-0.51	-4.77e-04	2.97e-05	-7.08e-05
138	45	0.05	-0.17	-0.51	4.77e-04	2.97e-05	7.08e-05
138	46	-0.04	0.17	-0.47	-4.77e-04	-2.29e-05	-7.08e-05
138	47	-0.04	-0.17	-0.47	4.77e-04	-2.29e-05	7.08e-05
138	48	0.05	0.14	-0.51	-3.78e-04	2.97e-05	-5.86e-05
138	49	0.05	-0.14	-0.51	3.78e-04	2.97e-05	5.86e-05
138	50	-0.04	0.14	-0.47	-3.78e-04	-2.29e-05	-5.86e-05
138	51	-0.04	-0.14	-0.47	3.78e-04	-2.29e-05	5.86e-05
138	52	0.01	0.56	-0.50	-1.59e-03	1.13e-05	-2.36e-04
138	53	0.01	-0.56	-0.50	1.59e-03	1.13e-05	2.36e-04
138	54	-0.01	0.56	-0.49	-1.59e-03	-4.49e-06	-2.36e-04
138	55	-0.01	-0.56	-0.49	1.59e-03	-4.49e-06	2.36e-04
138	56	0.01	0.56	-0.50	-1.59e-03	1.13e-05	-2.36e-04
138	57	0.01	-0.56	-0.50	1.59e-03	1.13e-05	2.36e-04
138	58	-0.01	0.56	-0.49	-1.59e-03	-4.49e-06	-2.36e-04
138	59	-0.01	-0.56	-0.49	1.59e-03	-4.49e-06	2.36e-04
138	60	0.01	0.48	-0.50	-1.26e-03	1.13e-05	-1.95e-04
138	61	0.01	-0.48	-0.50	1.26e-03	1.13e-05	1.95e-04
138	62	-0.01	0.48	-0.49	-1.26e-03	-4.49e-06	-1.95e-04
138	63	-0.01	-0.48	-0.49	1.26e-03	-4.49e-06	1.95e-04
138	64	0.01	0.48	-0.50	-1.26e-03	1.13e-05	-1.95e-04
138	65	0.01	-0.48	-0.50	1.26e-03	1.13e-05	1.95e-04
138	66	-0.01	0.48	-0.49	-1.26e-03	-4.49e-06	-1.95e-04
138	67	-0.01	-0.48	-0.49	1.26e-03	-4.49e-06	1.95e-04
138	68	1.39e-04	0.28	-0.49	-9.19e-04	3.41e-06	1.33e-04
138	69	1.39e-04	0.0	-0.49	0.0	3.41e-06	0.0
138	70	1.39e-04	0.0	-0.49	0.0	3.41e-06	0.0

Nodo	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
	-0.05	-0.57	-0.90	-8.67e-03	-3.21e-05	-1.93e-03

0.05

2.47

-0.23

1.69e-03

3.21e-05

1.93e-03

# RISULTATI OPERE DI FONDAZIONE

## LEGENDA RISULTATI OPERE DI FONDAZIONE

Il controllo dei risultati delle analisi condotte, per quanto concerne le opere di fondazione, è possibile in relazione alle tabelle sotto riportate.

La prima tabella è riferita alle fondazioni tipo palo e plinto su pali.

Per questo tipo di fondazione vengono riportate le sei componenti di sollecitazione (espresse nel riferimento globale della struttura) per ogni palo componente l'opera.

In particolare viene riportato:

<b>Nodo</b>	numero del nodo a cui è applicato il plinto
<b>Tipo</b>	codice corrispondente al nome assegnato al tipo di plinto di fondazione: 3) palo singolo ( <i>PALO</i> ) 4) plinto su palo 5) plinto su due pali ( <i>PL.2P</i> ) 6) plinto su tre pali ( <i>PL.3P</i> ) 7) plinto su quattro pali ( <i>PL.4P</i> ) 8) plinto rettangolare su cinque pali ( <i>PL.5P.R</i> ) 9) plinto pentagonale su cinque pali ( <i>PL.5P</i> ) 10) plinto su sei pali ( <i>PL.6P</i> )
<b>Palo</b>	numero del palo
<b>Comb.</b>	combinazione di carico in cui si verificano le sei componenti di sollecitazione.
<b>Quota</b>	quota assoluta della sezione del palo per cui si riportano le sei componenti di sollecitazione.

L'azione  $F_z$  ( corrispondente allo sforzo normale nel palo) è costante poiché il peso del palo stesso non è considerato nella modellazione.

La seconda tabella è riferita alle fondazioni tipo plinto su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni nei quattro vertici dell'impronta sul terreno.

In particolare viene riportato:

<b>Nodo</b>	numero del nodo a cui è applicato il plinto	
<b>Tipo</b>	Codice identificativo del nome assegnato al plinto	
<b>area</b>	area dell'impronta del plinto	
<b>Wink O</b>	<b>Wink V</b>	coefficienti di Winkler (orizzontale e verticale) adottati
<b>Comb</b>	Combinazione di carico in cui si verificano i valori riportati	
<b>Pt (P1 P2 P3 P4)</b>	valori di pressione nei vertici	

La terza tabella è riferita alle fondazioni tipo platea su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni in ogni vertice (nodo) degli elementi costituenti la platea.

La quarta tabella è riferita alle fondazioni tipo trave su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni alle estremità dell'elemento e la massima (in valore assoluto) pressione lungo lo sviluppo dell'elemento.

Vengono inoltre riportati, con funzione statistica, i valori massimo e minimo delle pressioni che compaiono nella tabella.



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:

<b>Test N°</b>	<b>Titolo</b>
<b>105</b>	PLINTO SUPERFICIALE
<b>106</b>	PLINTO SUPERFICIALE
<b>107</b>	PLINTO SUPERFICIALE
<b>108</b>	PLINTO SUPERFICIALE
<b>109</b>	PLINTO SUPERFICIALE
<b>110</b>	PLINTO SUPERFICIALE
<b>111</b>	PLINTO SUPERFICIALE
<b>112</b>	PLINTO SUPERFICIALE
<b>113</b>	PLINTO SUPERFICIALE
<b>114</b>	PLINTO SUPERFICIALE
<b>115</b>	PLINTO SUPERFICIALE
<b>116</b>	PLINTO SUPERFICIALE
<b>117</b>	PLINTO SUPERFICIALE
<b>118</b>	PLINTO SUPERFICIALE
<b>119</b>	PLINTO SUPERFICIALE
<b>120</b>	PLINTO SUPERFICIALE
<b>121</b>	PLINTO SUPERFICIALE
<b>122</b>	PLINTO SUPERFICIALE
<b>123</b>	PLINTO SUPERFICIALE
<b>124</b>	FONDAZIONE NASTRIFORME
<b>125</b>	CALCOLO DEI K DI WINKLER













# RISULTATI ELEMENTI TIPO TRAVE

## LEGENDA RISULTATI ELEMENTI TIPO TRAVE

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo trave, è possibile in relazione alle tabelle sotto riportate.

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

- tipo **pilastro**
- tipo **trave in elevazione**
- tipo **trave in fondazione**

Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

Per gli elementi tipo *pilastro* sono riportati in tabella i seguenti valori:

<b>Pilas.</b>	numero dell'elemento pilastro
<b>Cmb</b>	combinazione in cui si verificano i valori riportati
<b>M3 mx/mn</b>	momento flettente in campata M3 max (prima riga) / min (seconda riga)
<b>M2 mx/mn</b>	momento flettente in campata M2 max (prima riga) / min (seconda riga)
<b>D2/D3</b>	freccia massima in direzione 2 (prima riga) / direzione 3 (seconda riga)
<b>Q2/Q3</b>	carico totale in direzione 2 (prima riga) / direzione 3 (seconda riga)
<b>Pos.</b>	ascissa del punto iniziale e finale dell'elemento
<b>N, V2, ecc..</b>	sei componenti di sollecitazione al piede ed in sommità dell'elemento

Per gli elementi tipo *trave in elevazione* sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri.

Per gli elementi tipo *trave in fondazione* (trave f.) sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri e la massima pressione sul terreno.

orientamento elementi 2D non verticali	orientamento elementi 2D verticali
---	------------------------------------

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		daN cm	daN cm	cm	daN							
1	1	-6.798e+04	350.78	-0.04	0.0	0.0	-216.01	543.62	-26.04	-1266.58	350.78	-7.342e+04
		-7.342e+04	90.41	-5.95e-06	0.0	10.0	-212.83	543.62	-26.04	-1266.58	90.41	-6.798e+04
1	2	-6.798e+04	269.83	-0.04	0.0	0.0	-166.16	543.62	-20.03	-1266.58	269.83	-7.342e+04
		-7.342e+04	69.55	-4.58e-06	0.0	10.0	-163.71	543.62	-20.03	-1266.58	69.55	-6.798e+04
1	3	-4.532e+04	269.83	-0.02	0.0	0.0	-166.16	362.42	-20.03	-844.38	269.83	-4.895e+04
		-4.895e+04	69.55	-4.58e-06	0.0	10.0	-163.71	362.42	-20.03	-844.38	69.55	-4.532e+04
1	4	-2220.45	360.50	-2.78e-03	0.0	0.0	-135.21	11.76	-29.01	0.36	360.50	-2336.20
		-2336.20	68.19	2.59e-04	0.0	10.0	-132.76	11.76	-29.01	0.36	68.19	-2220.45
1	5	2336.20	360.50	2.78e-03	0.0	0.0	-135.21	-11.76	-29.01	-0.36	360.50	2336.20
		2220.45	68.19	2.59e-04	0.0	10.0	-132.76	-11.76	-29.01	-0.36	68.19	2220.45
1	6	-2220.45	179.17	-2.78e-03	0.0	0.0	-197.12	11.76	-11.05	0.36	179.17	-2336.20
		-2336.20	70.91	-2.66e-04	0.0	10.0	-194.67	11.76	-11.05	0.36	70.91	-2220.45
1	7	2336.20	179.17	2.78e-03	0.0	0.0	-197.12	-11.76	-11.05	-0.36	179.17	2336.20
		2220.45	70.91	-2.66e-04	0.0	10.0	-194.67	-11.76	-11.05	-0.36	70.91	2220.45
1	8	-4221.80	360.49	-2.91e-03	0.0	0.0	-135.21	22.56	-29.01	0.52	360.49	-4443.13
		-4443.13	68.19	2.59e-04	0.0	10.0	-132.76	22.56	-29.01	0.52	68.19	-4221.80
1	9	4443.13	360.50	2.91e-03	0.0	0.0	-135.21	-22.56	-29.01	-0.52	360.50	4443.13
		4221.80	68.19	2.59e-04	0.0	10.0	-132.76	-22.56	-29.01	-0.52	68.19	4221.80
1	10	-4221.80	179.16	-2.91e-03	0.0	0.0	-197.12	22.56	-11.05	0.52	179.16	-4443.13
		-4443.13	70.91	-2.66e-04	0.0	10.0	-194.67	22.56	-11.05	0.52	70.91	-4221.80
1	11	4443.13	179.18	2.91e-03	0.0	0.0	-197.12	-22.56	-11.05	-0.52	179.18	4443.13
		4221.80	70.91	-2.66e-04	0.0	10.0	-194.67	-22.56	-11.05	-0.52	70.91	4221.80
1	12	-2220.45	360.50	-2.78e-03	0.0	0.0	-135.21	11.76	-29.01	0.36	360.50	-2336.20
		-2336.20	68.19	2.59e-04	0.0	10.0	-132.76	11.76	-29.01	0.36	68.19	-2220.45
1	13	2336.20	360.50	2.78e-03	0.0	0.0	-135.21	-11.76	-29.01	-0.36	360.50	2336.20
		2220.45	68.19	2.59e-04	0.0	10.0	-132.76	-11.76	-29.01	-0.36	68.19	2220.45
1	14	-2220.45	179.17	-2.78e-03	0.0	0.0	-197.12	11.76	-11.05	0.36	179.17	-2336.20
		-2336.20	70.91	-2.66e-04	0.0	10.0	-194.67	11.76	-11.05	0.36	70.91	-2220.45
1	15	2336.20	179.17	2.78e-03	0.0	0.0	-197.12	-11.76	-11.05	-0.36	179.17	2336.20
		2220.45	70.91	-2.66e-04	0.0	10.0	-194.67	-11.76	-11.05	-0.36	70.91	2220.45
1	16	-4221.80	360.49	-2.91e-03	0.0	0.0	-135.21	22.56	-29.01	0.52	360.49	-4443.13
		-4443.13	68.19	2.59e-04	0.0	10.0	-132.76	22.56	-29.01	0.52	68.19	-4221.80
1	17	4443.13	360.50	2.91e-03	0.0	0.0	-135.21	-22.56	-29.01	-0.52	360.50	4443.13
		4221.80	68.19	2.59e-04	0.0	10.0	-132.76	-22.56	-29.01	-0.52	68.19	4221.80
1	18	-4221.80	179.16	-2.91e-03	0.0	0.0	-197.12	22.56	-11.05	0.52	179.16	-4443.13
		-4443.13	70.91	-2.66e-04	0.0	10.0	-194.67	22.56	-11.05	0.52	70.91	-4221.80



1	19	4443.13	179.18	2.91e-03	0.0	0.0	-197.12	-22.56	-11.05	-0.52	179.18	4443.13
		4221.80	70.91	-2.66e-04	0.0	10.0	-194.67	-22.56	-11.05	-0.52	70.91	4221.80
1	20	-7401.50	297.03	-9.27e-03	0.0	0.0	-156.88	39.19	-22.72	1.19	297.03	-7787.32
		-7787.32	69.14	7.52e-05	0.0	10.0	-154.43	39.19	-22.72	1.19	69.14	-7401.50
1	21	7787.32	297.04	9.27e-03	0.0	0.0	-156.88	-39.19	-22.72	-1.19	297.04	7787.32
		7401.50	69.14	7.52e-05	0.0	10.0	-154.43	-39.19	-22.72	-1.19	69.14	7401.50
1	22	-7401.50	242.63	-9.27e-03	0.0	0.0	-175.45	39.19	-17.33	1.19	242.63	-7787.32
		-7787.32	69.96	-8.25e-05	0.0	10.0	-173.00	39.19	-17.33	1.19	69.96	-7401.50
1	23	7787.32	242.64	9.27e-03	0.0	0.0	-175.45	-39.19	-17.33	-1.19	242.64	7787.32
		7401.50	69.96	-8.25e-05	0.0	10.0	-173.00	-39.19	-17.33	-1.19	69.96	7401.50
1	24	-7401.50	297.03	-9.27e-03	0.0	0.0	-156.88	39.19	-22.72	1.19	297.03	-7787.32
		-7787.32	69.14	7.52e-05	0.0	10.0	-154.43	39.19	-22.72	1.19	69.14	-7401.50
1	25	7787.32	297.04	9.27e-03	0.0	0.0	-156.88	-39.19	-22.72	-1.19	297.04	7787.32
		7401.50	69.14	7.52e-05	0.0	10.0	-154.43	-39.19	-22.72	-1.19	69.14	7401.50
1	26	-7401.50	242.63	-9.27e-03	0.0	0.0	-175.45	39.19	-17.33	1.19	242.63	-7787.32
		-7787.32	69.96	-8.25e-05	0.0	10.0	-173.00	39.19	-17.33	1.19	69.96	-7401.50
1	27	7787.32	242.64	9.27e-03	0.0	0.0	-175.45	-39.19	-17.33	-1.19	242.64	7787.32
		7401.50	69.96	-8.25e-05	0.0	10.0	-173.00	-39.19	-17.33	-1.19	69.96	7401.50
1	28	-1.407e+04	297.01	-9.71e-03	0.0	0.0	-156.88	75.20	-22.72	1.73	297.01	-1.481e+04
		-1.481e+04	69.14	7.52e-05	0.0	10.0	-154.43	75.20	-22.72	1.73	69.14	-1.407e+04
1	29	1.481e+04	297.05	9.71e-03	0.0	0.0	-156.87	-75.20	-22.72	-1.73	297.05	1.481e+04
		1.407e+04	69.14	7.52e-05	0.0	10.0	-154.42	-75.20	-22.72	-1.73	69.14	1.407e+04
1	30	-1.407e+04	242.61	-9.71e-03	0.0	0.0	-175.45	75.20	-17.33	1.73	242.61	-1.481e+04
		-1.481e+04	69.96	-8.25e-05	0.0	10.0	-173.00	75.20	-17.33	1.73	69.96	-1.407e+04
1	31	1.481e+04	242.65	9.71e-03	0.0	0.0	-175.45	-75.20	-17.34	-1.73	242.65	1.481e+04
		1.407e+04	69.96	-8.25e-05	0.0	10.0	-173.00	-75.20	-17.34	-1.73	69.96	1.407e+04
1	32	-1.407e+04	297.01	-9.71e-03	0.0	0.0	-156.88	75.20	-22.72	1.73	297.01	-1.481e+04
		-1.481e+04	69.14	7.52e-05	0.0	10.0	-154.43	75.20	-22.72	1.73	69.14	-1.407e+04
1	33	1.481e+04	297.05	9.71e-03	0.0	0.0	-156.87	-75.20	-22.72	-1.73	297.05	1.481e+04
		1.407e+04	69.14	7.52e-05	0.0	10.0	-154.42	-75.20	-22.72	-1.73	69.14	1.407e+04
1	34	-1.407e+04	242.61	-9.71e-03	0.0	0.0	-175.45	75.20	-17.33	1.73	242.61	-1.481e+04
		-1.481e+04	69.96	-8.25e-05	0.0	10.0	-173.00	75.20	-17.33	1.73	69.96	-1.407e+04
1	35	1.481e+04	242.65	9.71e-03	0.0	0.0	-175.45	-75.20	-17.34	-1.73	242.65	1.481e+04
		1.407e+04	69.96	-8.25e-05	0.0	10.0	-173.00	-75.20	-17.34	-1.73	69.96	1.407e+04
1	36	-2131.29	354.62	-2.98e-03	0.0	0.0	-138.39	11.83	-28.43	0.29	354.62	-2248.39
		-2248.39	68.42	2.44e-04	0.0	10.0	-135.94	11.83	-28.43	0.29	68.42	-2131.29
1	37	2248.39	354.63	2.98e-03	0.0	0.0	-138.39	-11.83	-28.43	-0.29	354.63	2248.39
		2131.29	68.42	2.44e-04	0.0	10.0	-135.94	-11.83	-28.43	-0.29	68.42	2131.29
1	38	-2131.29	185.04	-2.98e-03	0.0	0.0	-193.94	11.83	-11.63	0.29	185.04	-2248.39
		-2248.39	70.67	-2.51e-04	0.0	10.0	-191.49	11.83	-11.63	0.29	70.67	-2131.29
1	39	2248.39	185.04	2.98e-03	0.0	0.0	-193.94	-11.83	-11.63	-0.29	185.04	2248.39
		2131.29	70.67	-2.51e-04	0.0	10.0	-191.49	-11.83	-11.63	-0.29	70.67	2131.29
1	40	-4196.22	354.62	-3.12e-03	0.0	0.0	-138.39	23.27	-28.43	0.46	354.62	-4425.85
		-4425.85	68.42	2.44e-04	0.0	10.0	-135.94	23.27	-28.43	0.46	68.42	-4196.22
1	41	4425.85	354.63	3.12e-03	0.0	0.0	-138.39	-23.27	-28.43	-0.46	354.63	4425.85
		4196.22	68.42	2.44e-04	0.0	10.0	-135.94	-23.27	-28.43	-0.46	68.42	4196.22
1	42	-4196.22	185.04	-3.12e-03	0.0	0.0	-193.94	23.27	-11.63	0.46	185.04	-4425.85
		-4425.85	70.67	-2.51e-04	0.0	10.0	-191.49	23.27	-11.63	0.46	70.67	-4196.22
1	43	4425.85	185.05	3.12e-03	0.0	0.0	-193.94	-23.27	-11.63	-0.46	185.05	4425.85
		4196.22	70.67	-2.51e-04	0.0	10.0	-191.49	-23.27	-11.63	-0.46	70.67	4196.22
1	44	-2131.29	354.62	-2.98e-03	0.0	0.0	-138.39	11.83	-28.43	0.29	354.62	-2248.39
		-2248.39	68.42	2.44e-04	0.0	10.0	-135.94	11.83	-28.43	0.29	68.42	-2131.29
1	45	2248.39	354.63	2.98e-03	0.0	0.0	-138.39	-11.83	-28.43	-0.29	354.63	2248.39
		2131.29	68.42	2.44e-04	0.0	10.0	-135.94	-11.83	-28.43	-0.29	68.42	2131.29
1	46	-2131.29	185.04	-2.98e-03	0.0	0.0	-193.94	11.83	-11.63	0.29	185.04	-2248.39
		-2248.39	70.67	-2.51e-04	0.0	10.0	-191.49	11.83	-11.63	0.29	70.67	-2131.29
1	47	2248.39	185.04	2.98e-03	0.0	0.0	-193.94	-11.83	-11.63	-0.29	185.04	2248.39
		2131.29	70.67	-2.51e-04	0.0	10.0	-191.49	-11.83	-11.63	-0.29	70.67	2131.29
1	48	-4196.22	354.62	-3.12e-03	0.0	0.0	-138.39	23.27	-28.43	0.46	354.62	-4425.85
		-4425.85	68.42	2.44e-04	0.0	10.0	-135.94	23.27	-28.43	0.46	68.42	-4196.22
1	49	4425.85	354.63	3.12e-03	0.0	0.0	-138.39	-23.27	-28.43	-0.46	354.63	4425.85
		4196.22	68.42	2.44e-04	0.0	10.0	-135.94	-23.27	-28.43	-0.46	68.42	4196.22
1	50	-4196.22	185.04	-3.12e-03	0.0	0.0	-193.94	23.27	-11.63	0.46	185.04	-4425.85
		-4425.85	70.67	-2.51e-04	0.0	10.0	-191.49	23.27	-11.63	0.46	70.67	-4196.22
1	51	4425.85	185.05	3.12e-03	0.0	0.0	-193.94	-23.27	-11.63	-0.46	185.05	4425.85
		4196.22	70.67	-2.51e-04	0.0	10.0	-191.49	-23.27	-11.63	-0.46	70.67	4196.22
1	52	-7104.29	295.27	-9.94e-03	0.0	0.0	-157.83	39.42	-22.55	0.98	295.27	-7494.62
		-7494.62	69.21	7.06e-05	0.0	10.0	-155.38	39.42	-22.55	0.98	69.21	-7104.29
1	53	7494.62	295.27	9.94e-03	0.0	0.0	-157.83	-39.42	-22.55	-0.98	295.27	7494.62
		7104.29	69.21	7.06e-05	0.0	10.0	-155.38	-39.42	-22.55	-0.98	69.21	7104.29
1	54	-7104.29	244.40	-9.94e-03	0.0	0.0	-174.50	39.42	-17.51	0.98	244.40	-7494.62
		-7494.62	69.89	-7.78e-05	0.0	10.0	-172.05	39.42	-17.51	0.98	69.89	-7104.29
1	55	7494.62	244.40	9.94e-03	0.0	0.0	-174.50	-39.42	-17.51	-0.98	244.40	7494.62
		7104.29	69.89	-7.78e-05	0.0	10.0	-172.05	-39.42	-17.51	-0.98	69.89	7104.29
1	56	-7104.29	295.27	-9.94e-03	0.0	0.0	-157.83	39.42	-22.55	0.98	295.27	-7494.62

		-7494.62	69.21	7.06e-05	0.0	10.0	-155.38	39.42	-22.55	0.98	69.21	-7104.29
1	57	7494.62	295.27	9.94e-03	0.0	0.0	-157.83	-39.42	-22.55	-0.98	295.27	7494.62
		7104.29	69.21	7.06e-05	0.0	10.0	-155.38	-39.42	-22.55	-0.98	69.21	7104.29
1	58	-7104.29	244.40	-9.94e-03	0.0	0.0	-174.50	39.42	-17.51	0.98	244.40	-7494.62
		-7494.62	69.89	-7.78e-05	0.0	10.0	-172.05	39.42	-17.51	0.98	69.89	-7104.29
1	59	7494.62	244.40	9.94e-03	0.0	0.0	-174.50	-39.42	-17.51	-0.98	244.40	7494.62
		7104.29	69.89	-7.78e-05	0.0	10.0	-172.05	-39.42	-17.51	-0.98	69.89	7104.29
1	60	-1.399e+04	295.26	-0.01	0.0	0.0	-157.83	77.57	-22.55	1.54	295.26	-1.475e+04
		-1.475e+04	69.21	7.06e-05	0.0	10.0	-155.38	77.57	-22.55	1.54	69.21	-1.399e+04
1	61	1.475e+04	295.28	0.01	0.0	0.0	-157.83	-77.57	-22.55	-1.54	295.28	1.475e+04
		1.399e+04	69.21	7.06e-05	0.0	10.0	-155.38	-77.57	-22.55	-1.54	69.21	1.399e+04
1	62	-1.399e+04	244.39	-0.01	0.0	0.0	-174.50	77.57	-17.51	1.54	244.39	-1.475e+04
		-1.475e+04	69.89	-7.78e-05	0.0	10.0	-172.05	77.57	-17.51	1.54	69.89	-1.399e+04
1	63	1.475e+04	244.41	0.01	0.0	0.0	-174.49	-77.57	-17.51	-1.54	244.41	1.475e+04
		1.399e+04	69.89	-7.78e-05	0.0	10.0	-172.04	-77.57	-17.51	-1.54	69.89	1.399e+04
1	64	-1.399e+04	295.26	-0.01	0.0	0.0	-157.83	77.57	-22.55	1.54	295.26	-1.475e+04
		-1.475e+04	69.21	7.06e-05	0.0	10.0	-155.38	77.57	-22.55	1.54	69.21	-1.399e+04
1	65	1.475e+04	295.28	0.01	0.0	0.0	-157.83	-77.57	-22.55	-1.54	295.28	1.475e+04
		1.399e+04	69.21	7.06e-05	0.0	10.0	-155.38	-77.57	-22.55	-1.54	69.21	1.399e+04
1	66	-1.399e+04	244.39	-0.01	0.0	0.0	-174.50	77.57	-17.51	1.54	244.39	-1.475e+04
		-1.475e+04	69.89	-7.78e-05	0.0	10.0	-172.05	77.57	-17.51	1.54	69.89	-1.399e+04
1	67	1.475e+04	244.41	0.01	0.0	0.0	-174.49	-77.57	-17.51	-1.54	244.41	1.475e+04
		1.399e+04	69.89	-7.78e-05	0.0	10.0	-172.04	-77.57	-17.51	-1.54	69.89	1.399e+04
1	68	-9064.60	269.83	-4.67e-03	0.0	0.0	-166.16	72.48	-20.03	-168.88	269.83	-9789.43
		-9789.43	69.55	-4.58e-06	0.0	10.0	-163.71	72.48	-20.03	-168.88	69.55	-9064.60
1	69	0.0	269.83	0.0	0.0	0.0	-166.16	0.0	-20.03	0.0	269.83	0.0
		0.0	69.55	-4.58e-06	0.0	10.0	-163.71	0.0	-20.03	0.0	69.55	0.0
1	70	0.0	269.83	0.0	0.0	0.0	-166.16	0.0	-20.03	0.0	269.83	0.0
		0.0	69.55	-4.58e-06	0.0	10.0	-163.71	0.0	-20.03	0.0	69.55	0.0
2	1	241.06	90.41	-1.41	0.0	0.0	-115.02	325.28	-1.42	257.82	90.41	-6.495e+04
		-6.495e+04	6.09e-06	-3.76e-04	0.0	240.0	-38.60	325.28	-1.42	257.82	6.09e-06	241.06
2	2	241.06	69.55	-1.41	0.0	0.0	-88.48	325.28	-1.09	257.82	69.55	-6.495e+04
		-6.495e+04	4.68e-06	-2.89e-04	0.0	240.0	-29.69	325.28	-1.09	257.82	4.68e-06	241.06
2	3	160.71	69.55	-0.94	0.0	0.0	-88.48	216.86	-1.09	171.88	69.55	-4.330e+04
		-4.330e+04	4.68e-06	-2.89e-04	0.0	240.0	-29.69	216.86	-1.09	171.88	4.68e-06	160.71
2	4	-730.75	68.19	-0.08	0.0	0.0	-83.07	0.70	-1.08	1.76	68.19	-894.76
		-894.76	-1.75e-05	6.50e-03	0.0	240.0	-24.28	0.70	-1.08	1.76	-1.75e-05	-730.75
2	5	894.76	68.19	0.08	0.0	0.0	-83.07	-0.70	-1.08	-1.76	68.19	894.76
		730.75	-1.75e-05	6.50e-03	0.0	240.0	-24.28	-0.70	-1.08	-1.76	-1.75e-05	730.75
2	6	-730.75	70.91	-0.08	0.0	0.0	-93.88	0.70	-1.10	1.76	70.91	-894.76
		-894.76	2.69e-05	-6.39e-03	0.0	240.0	-35.10	0.70	-1.10	1.76	2.69e-05	-730.75
2	7	894.76	70.91	0.08	0.0	0.0	-93.88	-0.70	-1.10	-1.76	70.91	894.76
		730.75	2.69e-05	-6.39e-03	0.0	240.0	-35.10	-0.70	-1.10	-1.76	2.69e-05	730.75
2	8	-1394.09	68.19	-0.09	0.0	0.0	-83.07	1.31	-1.08	2.25	68.19	-1707.15
		-1707.15	-1.75e-05	6.50e-03	0.0	240.0	-24.28	1.31	-1.08	2.25	-1.75e-05	-1394.09
2	9	1707.15	68.19	0.09	0.0	0.0	-83.07	-1.31	-1.08	-2.25	68.19	1707.15
		1394.09	-1.75e-05	6.50e-03	0.0	240.0	-24.28	-1.31	-1.08	-2.25	-1.75e-05	1394.09
2	10	-1394.09	70.91	-0.09	0.0	0.0	-93.88	1.31	-1.10	2.25	70.91	-1707.15
		-1707.15	2.69e-05	-6.39e-03	0.0	240.0	-35.10	1.31	-1.10	2.25	2.69e-05	-1394.09
2	11	1707.15	70.91	0.09	0.0	0.0	-93.88	-1.31	-1.10	-2.25	70.91	1707.15
		1394.09	2.69e-05	-6.39e-03	0.0	240.0	-35.10	-1.31	-1.10	-2.25	2.69e-05	1394.09
2	12	-730.75	68.19	-0.08	0.0	0.0	-83.07	0.70	-1.08	1.76	68.19	-894.76
		-894.76	-1.75e-05	6.50e-03	0.0	240.0	-24.28	0.70	-1.08	1.76	-1.75e-05	-730.75
2	13	894.76	68.19	0.08	0.0	0.0	-83.07	-0.70	-1.08	-1.76	68.19	894.76
		730.75	-1.75e-05	6.50e-03	0.0	240.0	-24.28	-0.70	-1.08	-1.76	-1.75e-05	730.75
2	14	-730.75	70.91	-0.08	0.0	0.0	-93.88	0.70	-1.10	1.76	70.91	-894.76
		-894.76	2.69e-05	-6.39e-03	0.0	240.0	-35.10	0.70	-1.10	1.76	2.69e-05	-730.75
2	15	894.76	70.91	0.08	0.0	0.0	-93.88	-0.70	-1.10	-1.76	70.91	894.76
		730.75	2.69e-05	-6.39e-03	0.0	240.0	-35.10	-0.70	-1.10	-1.76	2.69e-05	730.75
2	16	-1394.09	68.19	-0.09	0.0	0.0	-83.07	1.31	-1.08	2.25	68.19	-1707.15
		-1707.15	-1.75e-05	6.50e-03	0.0	240.0	-24.28	1.31	-1.08	2.25	-1.75e-05	-1394.09
2	17	1707.15	68.19	0.09	0.0	0.0	-83.07	-1.31	-1.08	-2.25	68.19	1707.15
		1394.09	-1.75e-05	6.50e-03	0.0	240.0	-24.28	-1.31	-1.08	-2.25	-1.75e-05	1394.09
2	18	-1394.09	70.91	-0.09	0.0	0.0	-93.88	1.31	-1.10	2.25	70.91	-1707.15
		-1707.15	2.69e-05	-6.39e-03	0.0	240.0	-35.10	1.31	-1.10	2.25	2.69e-05	-1394.09
2	19	1707.15	70.91	0.09	0.0	0.0	-93.88	-1.31	-1.10	-2.25	70.91	1707.15
		1394.09	2.69e-05	-6.39e-03	0.0	240.0	-35.10	-1.31	-1.10	-2.25	2.69e-05	1394.09
2	20	-2435.83	69.14	-0.25	0.0	0.0	-86.85	2.33	-1.09	5.85	69.14	-2982.53
		-2982.53	-1.98e-06	1.99e-03	0.0	240.0	-28.07	2.33	-1.09	5.85	-1.98e-06	-2435.83
2	21	2982.53	69.14	0.25	0.0	0.0	-86.85	-2.33	-1.09	-5.85	69.14	2982.53
		2435.83	-1.98e-06	1.99e-03	0.0	240.0	-28.07	-2.33	-1.09	-5.85	-1.98e-06	2435.83
2	22	-2435.83	69.96	-0.25	0.0	0.0	-90.10	2.33	-1.09	5.85	69.96	-2982.53
		-2982.53	1.14e-05	-1.87e-03	0.0	240.0	-31.32	2.33	-1.09	5.85	1.14e-05	-2435.83
2	23	2982.53	69.96	0.25	0.0	0.0	-90.10	-2.33	-1.09	-5.85	69.96	2982.53
		2435.83	1.14e-05	-1.87e-03	0.0	240.0	-31.32	-2.33	-1.09	-5.85	1.14e-05	2435.83

2	24	-2435.83	69.14	-0.25	0.0	0.0	-86.85	2.33	-1.09	5.85	69.14	-2982.53
		-2982.53	-1.98e-06	1.99e-03	0.0	240.0	-28.07	2.33	-1.09	5.85	-1.98e-06	-2435.83
2	25	2982.53	69.14	0.25	0.0	0.0	-86.85	-2.33	-1.09	-5.85	69.14	2982.53
		2435.83	-1.98e-06	1.99e-03	0.0	240.0	-28.07	-2.33	-1.09	-5.85	-1.98e-06	2435.83
2	26	-2435.83	69.96	-0.25	0.0	0.0	-90.10	2.33	-1.09	5.85	69.96	-2982.53
		-2982.53	1.14e-05	-1.87e-03	0.0	240.0	-31.32	2.33	-1.09	5.85	1.14e-05	-2435.83
2	27	2982.53	69.96	0.25	0.0	0.0	-90.10	-2.33	-1.09	-5.85	69.96	2982.53
		2435.83	1.14e-05	-1.87e-03	0.0	240.0	-31.32	-2.33	-1.09	-5.85	1.14e-05	2435.83
2	28	-4646.96	69.14	-0.30	0.0	0.0	-86.85	4.38	-1.09	7.52	69.14	-5690.49
		-5690.49	-1.98e-06	1.99e-03	0.0	240.0	-28.07	4.38	-1.09	7.52	-1.98e-06	-4646.96
2	29	5690.49	69.14	0.30	0.0	0.0	-86.85	-4.38	-1.09	-7.52	69.14	5690.49
		4646.96	-1.98e-06	1.99e-03	0.0	240.0	-28.07	-4.38	-1.09	-7.52	-1.98e-06	4646.96
2	30	-4646.96	69.96	-0.30	0.0	0.0	-90.10	4.38	-1.09	7.52	69.96	-5690.49
		-5690.49	1.14e-05	-1.87e-03	0.0	240.0	-31.32	4.38	-1.09	7.52	1.14e-05	-4646.96
2	31	5690.49	69.96	0.30	0.0	0.0	-90.10	-4.38	-1.09	-7.52	69.96	5690.49
		4646.96	1.14e-05	-1.87e-03	0.0	240.0	-31.32	-4.38	-1.09	-7.52	1.14e-05	4646.96
2	32	-4646.96	69.14	-0.30	0.0	0.0	-86.85	4.38	-1.09	7.52	69.14	-5690.49
		-5690.49	-1.98e-06	1.99e-03	0.0	240.0	-28.07	4.38	-1.09	7.52	-1.98e-06	-4646.96
2	33	5690.49	69.14	0.30	0.0	0.0	-86.85	-4.38	-1.09	-7.52	69.14	5690.49
		4646.96	-1.98e-06	1.99e-03	0.0	240.0	-28.07	-4.38	-1.09	-7.52	-1.98e-06	4646.96
2	34	-4646.96	69.96	-0.30	0.0	0.0	-90.10	4.38	-1.09	7.52	69.96	-5690.49
		-5690.49	1.14e-05	-1.87e-03	0.0	240.0	-31.32	4.38	-1.09	7.52	1.14e-05	-4646.96
2	35	5690.49	69.96	0.30	0.0	0.0	-90.10	-4.38	-1.09	-7.52	69.96	5690.49
		4646.96	1.14e-05	-1.87e-03	0.0	240.0	-31.32	-4.38	-1.09	-7.52	1.14e-05	4646.96
2	36	-690.73	68.42	-0.08	0.0	0.0	-83.62	0.62	-1.08	1.49	68.42	-837.44
		-837.44	-1.57e-05	6.10e-03	0.0	240.0	-24.84	0.62	-1.08	1.49	-1.57e-05	-690.73
2	37	837.44	68.42	0.08	0.0	0.0	-83.62	-0.62	-1.08	-1.49	68.42	837.44
		690.73	-1.57e-05	6.10e-03	0.0	240.0	-24.84	-0.62	-1.08	-1.49	-1.57e-05	690.73
2	38	-690.73	70.67	-0.08	0.0	0.0	-93.33	0.62	-1.09	1.49	70.67	-837.44
		-837.44	2.50e-05	-5.98e-03	0.0	240.0	-34.55	0.62	-1.09	1.49	2.50e-05	-690.73
2	39	837.44	70.67	0.08	0.0	0.0	-93.33	-0.62	-1.09	-1.49	70.67	837.44
		690.73	2.50e-05	-5.98e-03	0.0	240.0	-34.55	-0.62	-1.09	-1.49	2.50e-05	690.73
2	40	-1378.15	68.42	-0.10	0.0	0.0	-83.62	1.27	-1.08	1.96	68.42	-1681.03
		-1681.03	-1.57e-05	6.10e-03	0.0	240.0	-24.84	1.27	-1.08	1.96	-1.57e-05	-1378.15
2	41	1681.03	68.42	0.10	0.0	0.0	-83.62	-1.27	-1.08	-1.96	68.42	1681.03
		1378.15	-1.57e-05	6.10e-03	0.0	240.0	-24.84	-1.27	-1.08	-1.96	-1.57e-05	1378.15
2	42	-1378.15	70.67	-0.10	0.0	0.0	-93.33	1.27	-1.09	1.96	70.67	-1681.03
		-1681.03	2.50e-05	-5.98e-03	0.0	240.0	-34.55	1.27	-1.09	1.96	2.50e-05	-1378.15
2	43	1681.03	70.67	0.10	0.0	0.0	-93.33	-1.27	-1.09	-1.96	70.67	1681.03
		1378.15	2.50e-05	-5.98e-03	0.0	240.0	-34.55	-1.27	-1.09	-1.96	2.50e-05	1378.15
2	44	-690.73	68.42	-0.08	0.0	0.0	-83.62	0.62	-1.08	1.49	68.42	-837.44
		-837.44	-1.57e-05	6.10e-03	0.0	240.0	-24.84	0.62	-1.08	1.49	-1.57e-05	-690.73
2	45	837.44	68.42	0.08	0.0	0.0	-83.62	-0.62	-1.08	-1.49	68.42	837.44
		690.73	-1.57e-05	6.10e-03	0.0	240.0	-24.84	-0.62	-1.08	-1.49	-1.57e-05	690.73
2	46	-690.73	70.67	-0.08	0.0	0.0	-93.33	0.62	-1.09	1.49	70.67	-837.44
		-837.44	2.50e-05	-5.98e-03	0.0	240.0	-34.55	0.62	-1.09	1.49	2.50e-05	-690.73
2	47	837.44	70.67	0.08	0.0	0.0	-93.33	-0.62	-1.09	-1.49	70.67	837.44
		690.73	2.50e-05	-5.98e-03	0.0	240.0	-34.55	-0.62	-1.09	-1.49	2.50e-05	690.73
2	48	-1378.15	68.42	-0.10	0.0	0.0	-83.62	1.27	-1.08	1.96	68.42	-1681.03
		-1681.03	-1.57e-05	6.10e-03	0.0	240.0	-24.84	1.27	-1.08	1.96	-1.57e-05	-1378.15
2	49	1681.03	68.42	0.10	0.0	0.0	-83.62	-1.27	-1.08	-1.96	68.42	1681.03
		1378.15	-1.57e-05	6.10e-03	0.0	240.0	-24.84	-1.27	-1.08	-1.96	-1.57e-05	1378.15
2	50	-1378.15	70.67	-0.10	0.0	0.0	-93.33	1.27	-1.09	1.96	70.67	-1681.03
		-1681.03	2.50e-05	-5.98e-03	0.0	240.0	-34.55	1.27	-1.09	1.96	2.50e-05	-1378.15
2	51	1681.03	70.67	0.10	0.0	0.0	-93.33	-1.27	-1.09	-1.96	70.67	1681.03
		1378.15	2.50e-05	-5.98e-03	0.0	240.0	-34.55	-1.27	-1.09	-1.96	2.50e-05	1378.15
2	52	-2302.45	69.21	-0.27	0.0	0.0	-87.02	2.08	-1.09	4.97	69.21	-2791.48
		-2791.48	-1.42e-06	1.87e-03	0.0	240.0	-28.24	2.08	-1.09	4.97	-1.42e-06	-2302.45
2	53	2791.48	69.21	0.27	0.0	0.0	-87.02	-2.08	-1.09	-4.97	69.21	2791.48
		2302.45	-1.42e-06	1.87e-03	0.0	240.0	-28.24	-2.08	-1.09	-4.97	-1.42e-06	2302.45
2	54	-2302.45	69.89	-0.27	0.0	0.0	-89.93	2.08	-1.09	4.97	69.89	-2791.48
		-2791.48	1.08e-05	-1.75e-03	0.0	240.0	-31.15	2.08	-1.09	4.97	1.08e-05	-2302.45
2	55	2791.48	69.89	0.27	0.0	0.0	-89.93	-2.08	-1.09	-4.97	69.89	2791.48
		2302.45	1.08e-05	-1.75e-03	0.0	240.0	-31.15	-2.08	-1.09	-4.97	1.08e-05	2302.45
2	56	-2302.45	69.21	-0.27	0.0	0.0	-87.02	2.08	-1.09	4.97	69.21	-2791.48
		-2791.48	-1.42e-06	1.87e-03	0.0	240.0	-28.24	2.08	-1.09	4.97	-1.42e-06	-2302.45
2	57	2791.48	69.21	0.27	0.0	0.0	-87.02	-2.08	-1.09	-4.97	69.21	2791.48
		2302.45	-1.42e-06	1.87e-03	0.0	240.0	-28.24	-2.08	-1.09	-4.97	-1.42e-06	2302.45
2	58	-2302.45	69.89	-0.27	0.0	0.0	-89.93	2.08	-1.09	4.97	69.89	-2791.48
		-2791.48	1.08e-05	-1.75e-03	0.0	240.0	-31.15	2.08	-1.09	4.97	1.08e-05	-2302.45
2	59	2791.48	69.89	0.27	0.0	0.0	-89.93	-2.08	-1.09	-4.97	69.89	2791.48
		2302.45	1.08e-05	-1.75e-03	0.0	240.0	-31.15	-2.08	-1.09	-4.97	1.08e-05	2302.45
2	60	-4593.83	69.21	-0.32	0.0	0.0	-87.02	4.23	-1.09	6.53	69.21	-5603.42
		-5603.42	-1.42e-06	1.87e-03	0.0	240.0	-28.24	4.23	-1.09	6.53	-1.42e-06	-4593.83
2	61	5603.42	69.21	0.32	0.0	0.0	-87.02	-4.23	-1.09	-6.53	69.21	5603.42

		4593.83	-1.42e-06	1.87e-03	0.0	240.0	-28.24	-4.23	-1.09	-6.53	-1.42e-06	4593.83
2	62	-4593.83	69.89	-0.32	0.0	0.0	-89.93	4.23	-1.09	6.53	69.89	-5603.42
		-5603.42	1.08e-05	-1.75e-03	0.0	240.0	-31.15	4.23	-1.09	6.53	1.08e-05	-4593.83
2	63	5603.42	69.89	0.32	0.0	0.0	-89.93	-4.23	-1.09	-6.53	69.89	5603.42
		4593.83	1.08e-05	-1.75e-03	0.0	240.0	-31.15	-4.23	-1.09	-6.53	1.08e-05	4593.83
2	64	-4593.83	69.21	-0.32	0.0	0.0	-87.02	4.23	-1.09	6.53	69.21	-5603.42
		-5603.42	-1.42e-06	1.87e-03	0.0	240.0	-28.24	4.23	-1.09	6.53	-1.42e-06	-4593.83
2	65	5603.42	69.21	0.32	0.0	0.0	-87.02	-4.23	-1.09	-6.53	69.21	5603.42
		4593.83	-1.42e-06	1.87e-03	0.0	240.0	-28.24	-4.23	-1.09	-6.53	-1.42e-06	4593.83
2	66	-4593.83	69.89	-0.32	0.0	0.0	-89.93	4.23	-1.09	6.53	69.89	-5603.42
		-5603.42	1.08e-05	-1.75e-03	0.0	240.0	-31.15	4.23	-1.09	6.53	1.08e-05	-4593.83
2	67	5603.42	69.89	0.32	0.0	0.0	-89.93	-4.23	-1.09	-6.53	69.89	5603.42
		4593.83	1.08e-05	-1.75e-03	0.0	240.0	-31.15	-4.23	-1.09	-6.53	1.08e-05	4593.83
2	68	32.14	69.55	-0.19	0.0	0.0	-88.48	43.37	-1.09	34.38	69.55	-8659.93
		-8659.93	4.68e-06	-2.89e-04	0.0	240.0	-29.69	43.37	-1.09	34.38	4.68e-06	32.14
2	69	0.0	69.55	0.0	0.0	0.0	-88.48	0.0	-1.09	0.0	69.55	0.0
		0.0	4.68e-06	-2.89e-04	0.0	240.0	-29.69	0.0	-1.09	0.0	4.68e-06	0.0
2	70	0.0	69.55	0.0	0.0	0.0	-88.48	0.0	-1.09	0.0	69.55	0.0
		0.0	4.68e-06	-2.89e-04	0.0	240.0	-29.69	0.0	-1.09	0.0	4.68e-06	0.0
3	1	-1.245e+05	185.19	-0.04	0.0	0.0	-386.57	1065.02	-17.19	-581.39	185.19	-1.352e+05
		-1.352e+05	13.31	1.35e-06	0.0	10.0	-383.38	1065.02	-17.19	-581.39	13.31	-1.245e+05
3	2	-1.245e+05	142.46	-0.04	0.0	0.0	-297.36	1065.02	-13.22	-581.39	142.46	-1.352e+05
		-1.352e+05	10.24	1.04e-06	0.0	10.0	-294.91	1065.02	-13.22	-581.39	10.24	-1.245e+05
3	3	-8.301e+04	142.46	-0.02	0.0	0.0	-297.36	710.01	-13.22	-387.59	142.46	-9.011e+04
		-9.011e+04	10.24	1.04e-06	0.0	10.0	-294.91	710.01	-13.22	-387.59	10.24	-8.301e+04
3	4	-3849.12	599.99	-2.83e-03	0.0	0.0	-269.39	21.15	-60.26	0.29	599.99	-4057.18
		-4057.18	-2.69	2.72e-04	0.0	10.0	-266.94	21.15	-60.26	0.29	-2.69	-3849.12
3	5	4057.18	599.99	2.83e-03	0.0	0.0	-269.39	-21.15	-60.26	-0.29	599.99	4057.18
		3849.12	-2.69	2.72e-04	0.0	10.0	-266.94	-21.15	-60.26	-0.29	-2.69	3849.12
3	6	-3849.12	23.16	-2.83e-03	0.0	0.0	-325.32	21.15	33.82	0.29	-315.08	-4057.18
		-4057.18	-315.08	-2.70e-04	0.0	10.0	-322.88	21.15	33.82	0.29	23.16	-3849.12
3	7	4057.18	23.16	2.83e-03	0.0	0.0	-325.32	-21.15	33.82	-0.29	-315.08	4057.18
		3849.12	-315.08	-2.70e-04	0.0	10.0	-322.88	-21.15	33.82	-0.29	23.16	3849.12
3	8	-5653.90	599.99	-2.93e-03	0.0	0.0	-269.39	31.26	-60.26	-0.24	599.99	-5961.58
		-5961.58	-2.69	2.72e-04	0.0	10.0	-266.94	31.26	-60.26	-0.24	-2.69	-5653.90
3	9	5961.58	599.99	2.93e-03	0.0	0.0	-269.39	-31.26	-60.26	0.24	599.99	5961.58
		5653.90	-2.69	2.72e-04	0.0	10.0	-266.94	-31.26	-60.26	0.24	-2.69	5653.90
3	10	-5653.90	23.16	-2.93e-03	0.0	0.0	-325.33	31.26	33.82	-0.24	-315.08	-5961.58
		-5961.58	-315.08	-2.70e-04	0.0	10.0	-322.88	31.26	33.82	-0.24	23.16	-5653.90
3	11	5961.58	23.16	2.93e-03	0.0	0.0	-325.32	-31.26	33.82	0.24	-315.07	5961.58
		5653.90	-315.07	-2.70e-04	0.0	10.0	-322.87	-31.26	33.82	0.24	23.16	5653.90
3	12	-3849.12	599.99	-2.83e-03	0.0	0.0	-269.39	21.15	-60.26	0.29	599.99	-4057.18
		-4057.18	-2.69	2.72e-04	0.0	10.0	-266.94	21.15	-60.26	0.29	-2.69	-3849.12
3	13	4057.18	599.99	2.83e-03	0.0	0.0	-269.39	-21.15	-60.26	-0.29	599.99	4057.18
		3849.12	-2.69	2.72e-04	0.0	10.0	-266.94	-21.15	-60.26	-0.29	-2.69	3849.12
3	14	-3849.12	23.16	-2.83e-03	0.0	0.0	-325.32	21.15	33.82	0.29	-315.08	-4057.18
		-4057.18	-315.08	-2.70e-04	0.0	10.0	-322.88	21.15	33.82	0.29	23.16	-3849.12
3	15	4057.18	23.16	2.83e-03	0.0	0.0	-325.32	-21.15	33.82	-0.29	-315.08	4057.18
		3849.12	-315.08	-2.70e-04	0.0	10.0	-322.88	-21.15	33.82	-0.29	23.16	3849.12
3	16	-5653.90	599.99	-2.93e-03	0.0	0.0	-269.39	31.26	-60.26	-0.24	599.99	-5961.58
		-5961.58	-2.69	2.72e-04	0.0	10.0	-266.94	31.26	-60.26	-0.24	-2.69	-5653.90
3	17	5961.58	599.99	2.93e-03	0.0	0.0	-269.39	-31.26	-60.26	0.24	599.99	5961.58
		5653.90	-2.69	2.72e-04	0.0	10.0	-266.94	-31.26	-60.26	0.24	-2.69	5653.90
3	18	-5653.90	23.16	-2.93e-03	0.0	0.0	-325.33	31.26	33.82	-0.24	-315.08	-5961.58
		-5961.58	-315.08	-2.70e-04	0.0	10.0	-322.88	31.26	33.82	-0.24	23.16	-5653.90
3	19	5961.58	23.16	2.93e-03	0.0	0.0	-325.32	-31.26	33.82	0.24	-315.07	5961.58
		5653.90	-315.07	-2.70e-04	0.0	10.0	-322.87	-31.26	33.82	0.24	23.16	5653.90
3	20	-1.283e+04	279.71	-9.42e-03	0.0	0.0	-288.97	70.50	-27.33	0.98	279.71	-1.352e+04
		-1.352e+04	6.36	8.24e-05	0.0	10.0	-286.52	70.50	-27.33	0.98	6.36	-1.283e+04
3	21	1.352e+04	279.72	9.42e-03	0.0	0.0	-288.97	-70.50	-27.34	-0.98	279.72	1.352e+04
		1.283e+04	6.36	8.24e-05	0.0	10.0	-286.52	-70.50	-27.34	-0.98	6.36	1.283e+04
3	22	-1.283e+04	14.11	-9.42e-03	0.0	0.0	-305.75	70.50	0.89	0.98	5.19	-1.352e+04
		-1.352e+04	5.19	-8.04e-05	0.0	10.0	-303.30	70.50	0.89	0.98	14.11	-1.283e+04
3	23	1.352e+04	14.11	9.42e-03	0.0	0.0	-305.75	-70.50	0.89	-0.98	5.20	1.352e+04
		1.283e+04	5.20	-8.04e-05	0.0	10.0	-303.30	-70.50	0.89	-0.98	14.11	1.283e+04
3	24	-1.283e+04	279.71	-9.42e-03	0.0	0.0	-288.97	70.50	-27.33	0.98	279.71	-1.352e+04
		-1.352e+04	6.36	8.24e-05	0.0	10.0	-286.52	70.50	-27.33	0.98	6.36	-1.283e+04
3	25	1.352e+04	279.72	9.42e-03	0.0	0.0	-288.97	-70.50	-27.34	-0.98	279.72	1.352e+04
		1.283e+04	6.36	8.24e-05	0.0	10.0	-286.52	-70.50	-27.34	-0.98	6.36	1.283e+04
3	26	-1.283e+04	14.11	-9.42e-03	0.0	0.0	-305.75	70.50	0.89	0.98	5.19	-1.352e+04
		-1.352e+04	5.19	-8.04e-05	0.0	10.0	-303.30	70.50	0.89	0.98	14.11	-1.283e+04
3	27	1.352e+04	14.11	9.42e-03	0.0	0.0	-305.75	-70.50	0.89	-0.98	5.20	1.352e+04
		1.283e+04	5.20	-8.04e-05	0.0	10.0	-303.30	-70.50	0.89	-0.98	14.11	1.283e+04
3	28	-1.885e+04	279.71	-9.78e-03	0.0	0.0	-288.97	104.21	-27.33	-0.79	279.71	-1.987e+04
		-1.987e+04	6.36	8.24e-05	0.0	10.0	-286.52	104.21	-27.33	-0.79	6.36	-1.885e+04

3	29	1.987e+04	279.72	9.78e-03	0.0	0.0	-288.97	-104.21	-27.34	0.79	279.72	1.987e+04
		1.885e+04	6.36	8.24e-05	0.0	10.0	-286.52	-104.21	-27.34	0.79	6.36	1.885e+04
3	30	-1.885e+04	14.11	-9.78e-03	0.0	0.0	-305.75	104.21	0.89	-0.79	5.19	-1.987e+04
		-1.987e+04	5.19	-8.04e-05	0.0	10.0	-303.30	104.21	0.89	-0.79	14.11	-1.885e+04
3	31	1.987e+04	14.11	9.78e-03	0.0	0.0	-305.75	-104.21	0.89	0.79	5.20	1.987e+04
		1.885e+04	5.20	-8.04e-05	0.0	10.0	-303.30	-104.21	0.89	0.79	14.11	1.885e+04
3	32	-1.885e+04	279.72	-9.78e-03	0.0	0.0	-288.97	104.21	-27.33	-0.79	279.71	-1.987e+04
		-1.987e+04	6.36	8.24e-05	0.0	10.0	-286.52	104.21	-27.33	-0.79	6.36	-1.885e+04
3	33	1.987e+04	279.72	9.78e-03	0.0	0.0	-288.97	-104.21	-27.34	0.79	279.72	1.987e+04
		1.885e+04	6.36	8.24e-05	0.0	10.0	-286.52	-104.21	-27.34	0.79	6.36	1.885e+04
3	34	-1.885e+04	14.11	-9.78e-03	0.0	0.0	-305.75	104.21	0.89	-0.79	5.19	-1.987e+04
		-1.987e+04	5.19	-8.04e-05	0.0	10.0	-303.30	104.21	0.89	-0.79	14.11	-1.885e+04
3	35	1.987e+04	14.11	9.78e-03	0.0	0.0	-305.75	-104.21	0.89	0.79	5.20	1.987e+04
		1.885e+04	5.20	-8.04e-05	0.0	10.0	-303.30	-104.21	0.89	0.79	14.11	1.885e+04
3	36	-3887.21	570.35	-3.03e-03	0.0	0.0	-272.14	22.06	-57.22	0.27	570.35	-4105.57
		-4105.57	-1.85	2.56e-04	0.0	10.0	-269.69	22.06	-57.22	0.27	-1.85	-3887.21
3	37	4105.57	570.35	3.03e-03	0.0	0.0	-272.14	-22.06	-57.22	-0.27	570.35	4105.57
		3887.21	-1.85	2.56e-04	0.0	10.0	-269.69	-22.06	-57.22	-0.27	-1.85	3887.21
3	38	-3887.21	22.32	-3.03e-03	0.0	0.0	-322.57	22.06	30.77	0.27	-285.44	-4105.57
		-4105.57	-285.44	-2.54e-04	0.0	10.0	-320.12	22.06	30.77	0.27	22.32	-3887.21
3	39	4105.57	22.32	3.03e-03	0.0	0.0	-322.57	-22.06	30.77	-0.27	-285.43	4105.57
		3887.21	-285.43	-2.54e-04	0.0	10.0	-320.12	-22.06	30.77	-0.27	22.32	3887.21
3	40	-5814.16	570.35	-3.15e-03	0.0	0.0	-272.14	32.92	-57.22	-0.22	570.35	-6139.92
		-6139.92	-1.85	2.56e-04	0.0	10.0	-269.69	32.92	-57.22	-0.22	-1.85	-5814.16
3	41	6139.92	570.35	3.15e-03	0.0	0.0	-272.14	-32.92	-57.22	0.22	570.35	6139.92
		5814.16	-1.85	2.56e-04	0.0	10.0	-269.69	-32.92	-57.22	0.22	-1.85	5814.16
3	42	-5814.16	22.32	-3.15e-03	0.0	0.0	-322.57	32.92	30.77	-0.22	-285.44	-6139.92
		-6139.92	-285.44	-2.54e-04	0.0	10.0	-320.12	32.92	30.77	-0.22	22.32	-5814.16
3	43	6139.92	22.32	3.15e-03	0.0	0.0	-322.57	-32.92	30.77	0.22	-285.43	6139.92
		5814.16	-285.43	-2.54e-04	0.0	10.0	-320.12	-32.92	30.77	0.22	22.32	5814.16
3	44	-3887.21	570.35	-3.03e-03	0.0	0.0	-272.14	22.06	-57.22	0.27	570.35	-4105.57
		-4105.57	-1.85	2.56e-04	0.0	10.0	-269.69	22.06	-57.22	0.27	-1.85	-3887.21
3	45	4105.57	570.35	3.03e-03	0.0	0.0	-272.14	-22.06	-57.22	-0.27	570.35	4105.57
		3887.21	-1.85	2.56e-04	0.0	10.0	-269.69	-22.06	-57.22	-0.27	-1.85	3887.21
3	46	-3887.21	22.32	-3.03e-03	0.0	0.0	-322.57	22.06	30.77	0.27	-285.44	-4105.57
		-4105.57	-285.44	-2.54e-04	0.0	10.0	-320.12	22.06	30.77	0.27	22.32	-3887.21
3	47	4105.57	22.32	3.03e-03	0.0	0.0	-322.57	-22.06	30.77	-0.27	-285.43	4105.57
		3887.21	-285.43	-2.54e-04	0.0	10.0	-320.12	-22.06	30.77	-0.27	22.32	3887.21
3	48	-5814.16	570.35	-3.15e-03	0.0	0.0	-272.14	32.92	-57.22	-0.22	570.35	-6139.92
		-6139.92	-1.85	2.56e-04	0.0	10.0	-269.69	32.92	-57.22	-0.22	-1.85	-5814.16
3	49	6139.92	570.35	3.15e-03	0.0	0.0	-272.14	-32.92	-57.22	0.22	570.35	6139.92
		5814.16	-1.85	2.56e-04	0.0	10.0	-269.69	-32.92	-57.22	0.22	-1.85	5814.16
3	50	-5814.16	22.32	-3.15e-03	0.0	0.0	-322.57	32.92	30.77	-0.22	-285.44	-6139.92
		-6139.92	-285.44	-2.54e-04	0.0	10.0	-320.12	32.92	30.77	-0.22	22.32	-5814.16
3	51	6139.92	22.32	3.15e-03	0.0	0.0	-322.57	-32.92	30.77	0.22	-285.43	6139.92
		5814.16	-285.43	-2.54e-04	0.0	10.0	-320.12	-32.92	30.77	0.22	22.32	5814.16
3	52	-1.296e+04	270.82	-0.01	0.0	0.0	-289.79	73.52	-26.42	0.89	270.82	-1.369e+04
		-1.369e+04	6.61	7.76e-05	0.0	10.0	-287.34	73.52	-26.42	0.89	6.61	-1.296e+04
3	53	1.369e+04	270.83	0.01	0.0	0.0	-289.79	-73.52	-26.42	-0.89	270.83	1.369e+04
		1.296e+04	6.61	7.76e-05	0.0	10.0	-287.34	-73.52	-26.42	-0.89	6.61	1.296e+04
3	54	-1.296e+04	14.09	-0.01	0.0	0.0	-304.92	73.52	-0.02	0.89	14.09	-1.369e+04
		-1.369e+04	13.86	-7.56e-05	0.0	10.0	-302.47	73.52	-0.02	0.89	13.86	-1.296e+04
3	55	1.369e+04	14.09	0.01	0.0	0.0	-304.92	-73.52	-0.02	-0.89	14.09	1.369e+04
		1.296e+04	13.86	-7.56e-05	0.0	10.0	-302.47	-73.52	-0.02	-0.89	13.86	1.296e+04
3	56	-1.296e+04	270.82	-0.01	0.0	0.0	-289.79	73.52	-26.42	0.89	270.82	-1.369e+04
		-1.369e+04	6.61	7.76e-05	0.0	10.0	-287.34	73.52	-26.42	0.89	6.61	-1.296e+04
3	57	1.369e+04	270.83	0.01	0.0	0.0	-289.79	-73.52	-26.42	-0.89	270.83	1.369e+04
		1.296e+04	6.61	7.76e-05	0.0	10.0	-287.34	-73.52	-26.42	-0.89	6.61	1.296e+04
3	58	-1.296e+04	14.09	-0.01	0.0	0.0	-304.92	73.52	-0.02	0.89	14.09	-1.369e+04
		-1.369e+04	13.86	-7.56e-05	0.0	10.0	-302.47	73.52	-0.02	0.89	13.86	-1.296e+04
3	59	1.369e+04	14.09	0.01	0.0	0.0	-304.92	-73.52	-0.02	-0.89	14.09	1.369e+04
		1.296e+04	13.86	-7.56e-05	0.0	10.0	-302.47	-73.52	-0.02	-0.89	13.86	1.296e+04
3	60	-1.938e+04	270.82	-0.01	0.0	0.0	-289.79	109.73	-26.42	-0.73	270.82	-2.047e+04
		-2.047e+04	6.61	7.76e-05	0.0	10.0	-287.35	109.73	-26.42	-0.73	6.61	-1.938e+04
3	61	2.047e+04	270.83	0.01	0.0	0.0	-289.79	-109.73	-26.42	0.73	270.83	2.047e+04
		1.938e+04	6.61	7.76e-05	0.0	10.0	-287.34	-109.73	-26.42	0.73	6.61	1.938e+04
3	62	-1.938e+04	14.09	-0.01	0.0	0.0	-304.92	109.73	-0.02	-0.73	14.09	-2.047e+04
		-2.047e+04	13.86	-7.56e-05	0.0	10.0	-302.47	109.73	-0.02	-0.73	13.86	-1.938e+04
3	63	2.047e+04	14.09	0.01	0.0	0.0	-304.92	-109.73	-0.02	0.73	14.09	2.047e+04
		1.938e+04	13.86	-7.56e-05	0.0	10.0	-302.47	-109.73	-0.02	0.73	13.86	1.938e+04
3	64	-1.938e+04	270.82	-0.01	0.0	0.0	-289.79	109.73	-26.42	-0.73	270.82	-2.047e+04
		-2.047e+04	6.61	7.76e-05	0.0	10.0	-287.35	109.73	-26.42	-0.73	6.61	-1.938e+04
3	65	2.047e+04	270.83	0.01	0.0	0.0	-289.79	-109.73	-26.42	0.73	270.83	2.047e+04
		1.938e+04	6.61	7.76e-05	0.0	10.0	-287.34	-109.73	-26.42	0.73	6.61	1.938e+04
3	66	-1.938e+04	14.09	-0.01	0.0	0.0	-304.92	109.73	-0.02	-0.73	14.09	-2.047e+04

		-2.047e+04	13.86	-7.56e-05	0.0	10.0	-302.47	109.73	-0.02	-0.73	13.86	-1.938e+04
3	67	2.047e+04	14.09	0.01	0.0	0.0	-304.92	-109.73	-0.02	0.73	14.09	2.047e+04
		1.938e+04	13.86	-7.56e-05	0.0	10.0	-302.47	-109.73	-0.02	0.73	13.86	1.938e+04
3	68	-1.660e+04	142.46	-4.84e-03	0.0	0.0	-297.36	142.00	-13.22	-77.52	142.46	-1.802e+04
		-1.802e+04	10.24	1.04e-06	0.0	10.0	-294.91	142.00	-13.22	-77.52	10.24	-1.660e+04
3	69	0.0	142.46	0.0	0.0	0.0	-297.36	0.0	-13.22	0.0	142.46	0.0
		0.0	10.24	1.04e-06	0.0	10.0	-294.91	0.0	-13.22	0.0	10.24	0.0
3	70	0.0	142.46	0.0	0.0	0.0	-297.36	0.0	-13.22	0.0	142.46	0.0
		0.0	10.24	1.04e-06	0.0	10.0	-294.91	0.0	-13.22	0.0	10.24	0.0
4	1	693.52	13.31	-1.76	0.0	0.0	-139.67	668.43	-0.26	108.01	13.31	-1.100e+05
		-1.100e+05	3.06e-06	-5.46e-05	0.0	240.0	-63.26	668.43	-0.26	108.01	3.06e-06	693.52
4	2	693.52	10.24	-1.76	0.0	0.0	-107.44	668.43	-0.20	108.01	10.24	-1.100e+05
		-1.100e+05	2.36e-06	-4.20e-05	0.0	240.0	-48.66	668.43	-0.20	108.01	2.36e-06	693.52
4	3	462.35	10.24	-1.17	0.0	0.0	-107.44	445.62	-0.20	72.01	10.24	-7.332e+04
		-7.332e+04	2.36e-06	-4.20e-05	0.0	240.0	-48.66	445.62	-0.20	72.01	2.36e-06	462.35
4	4	-1073.03	-4.14e-05	-0.08	0.0	0.0	-105.22	0.52	-0.15	1.07	-2.69	-1194.33
		-1194.33	-2.69	6.50e-03	0.0	240.0	-46.44	0.52	-0.15	1.07	-4.14e-05	-1073.03
4	5	1194.33	-4.14e-05	0.08	0.0	0.0	-105.22	-0.52	-0.15	-1.07	-2.69	1194.33
		1073.03	-2.69	6.50e-03	0.0	240.0	-46.44	-0.52	-0.15	-1.07	-4.14e-05	1073.03
4	6	-1073.03	23.16	-0.08	0.0	0.0	-109.66	0.52	-0.26	1.07	23.16	-1194.33
		-1194.33	4.61e-05	-6.48e-03	0.0	240.0	-50.88	0.52	-0.26	1.07	4.61e-05	-1073.03
4	7	1194.33	23.16	0.08	0.0	0.0	-109.66	-0.52	-0.26	-1.07	23.16	1194.33
		1073.03	4.61e-05	-6.48e-03	0.0	240.0	-50.88	-0.52	-0.26	-1.07	4.61e-05	1073.03
4	8	-1577.33	-4.14e-05	-0.09	0.0	0.0	-105.22	0.68	-0.15	0.71	-2.69	-1734.96
		-1734.96	-2.69	6.50e-03	0.0	240.0	-46.44	0.68	-0.15	0.71	-4.14e-05	-1577.33
4	9	1734.96	-4.14e-05	0.09	0.0	0.0	-105.22	-0.68	-0.15	-0.71	-2.69	1734.96
		1577.33	-2.69	6.50e-03	0.0	240.0	-46.44	-0.68	-0.15	-0.71	-4.14e-05	1577.33
4	10	-1577.33	23.16	-0.09	0.0	0.0	-109.66	0.68	-0.26	0.71	23.16	-1734.96
		-1734.96	4.61e-05	-6.48e-03	0.0	240.0	-50.88	0.68	-0.26	0.71	4.61e-05	-1577.33
4	11	1734.96	23.16	0.09	0.0	0.0	-109.66	-0.68	-0.26	-0.71	23.16	1734.96
		1577.33	4.61e-05	-6.48e-03	0.0	240.0	-50.88	-0.68	-0.26	-0.71	4.61e-05	1577.33
		-1194.33	-2.69	6.50e-03	0.0	240.0	-46.44	0.52	-0.15	1.07	-4.14e-05	-1073.03
4	13	1194.33	-4.14e-05	0.08	0.0	0.0	-105.22	-0.52	-0.15	-1.07	-2.69	1194.33
		1073.03	-2.69	6.50e-03	0.0	240.0	-46.44	-0.52	-0.15	-1.07	-4.14e-05	1073.03
4	14	-1073.03	23.16	-0.08	0.0	0.0	-109.66	0.52	-0.26	1.07	23.16	-1194.33
		-1194.33	4.61e-05	-6.48e-03	0.0	240.0	-50.88	0.52	-0.26	1.07	4.61e-05	-1073.03
4	15	1194.33	23.16	0.08	0.0	0.0	-109.66	-0.52	-0.26	-1.07	23.16	1194.33
		1073.03	4.61e-05	-6.48e-03	0.0	240.0	-50.88	-0.52	-0.26	-1.07	4.61e-05	1073.03
4	16	-1577.33	-4.14e-05	-0.09	0.0	0.0	-105.22	0.68	-0.15	0.71	-2.69	-1734.96
		-1734.96	-2.69	6.50e-03	0.0	240.0	-46.44	0.68	-0.15	0.71	-4.14e-05	-1577.33
4	17	1734.96	-4.14e-05	0.09	0.0	0.0	-105.22	-0.68	-0.15	-0.71	-2.69	1734.96
		1577.33	-2.69	6.50e-03	0.0	240.0	-46.44	-0.68	-0.15	-0.71	-4.14e-05	1577.33
4	18	-1577.33	23.16	-0.09	0.0	0.0	-109.66	0.68	-0.26	0.71	23.16	-1734.96
		-1734.96	4.61e-05	-6.48e-03	0.0	240.0	-50.88	0.68	-0.26	0.71	4.61e-05	-1577.33
4	19	1734.96	23.16	0.09	0.0	0.0	-109.66	-0.68	-0.26	-0.71	23.16	1734.96
		1577.33	4.61e-05	-6.48e-03	0.0	240.0	-50.88	-0.68	-0.26	-0.71	4.61e-05	1577.33
4	20	-3576.76	6.36	-0.28	0.0	0.0	-106.77	1.73	-0.19	3.57	6.36	-3981.10
		-3981.10	-1.08e-05	1.96e-03	0.0	240.0	-47.99	1.73	-0.19	3.57	-1.08e-05	-3576.76
4	21	3981.10	6.36	0.28	0.0	0.0	-106.77	-1.73	-0.19	-3.57	6.36	3981.10
		3576.76	-1.08e-05	1.96e-03	0.0	240.0	-47.99	-1.73	-0.19	-3.57	-1.08e-05	3576.76
4	22	-3576.76	14.11	-0.28	0.0	0.0	-108.11	1.73	-0.22	3.57	14.11	-3981.10
		-3981.10	1.55e-05	-1.94e-03	0.0	240.0	-49.33	1.73	-0.22	3.57	1.55e-05	-3576.76
4	23	3981.10	14.11	0.28	0.0	0.0	-108.11	-1.73	-0.22	-3.57	14.11	3981.10
		3576.76	1.55e-05	-1.94e-03	0.0	240.0	-49.33	-1.73	-0.22	-3.57	1.55e-05	3576.76
4	24	-3576.76	6.36	-0.28	0.0	0.0	-106.77	1.73	-0.19	3.57	6.36	-3981.10
		-3981.10	-1.08e-05	1.96e-03	0.0	240.0	-47.99	1.73	-0.19	3.57	-1.08e-05	-3576.76
4	25	3981.10	6.36	0.28	0.0	0.0	-106.77	-1.73	-0.19	-3.57	6.36	3981.10
		3576.76	-1.08e-05	1.96e-03	0.0	240.0	-47.99	-1.73	-0.19	-3.57	-1.08e-05	3576.76
4	26	-3576.76	14.11	-0.28	0.0	0.0	-108.11	1.73	-0.22	3.57	14.11	-3981.10
		-3981.10	1.55e-05	-1.94e-03	0.0	240.0	-49.33	1.73	-0.22	3.57	1.55e-05	-3576.76
4	27	3981.10	14.11	0.28	0.0	0.0	-108.11	-1.73	-0.22	-3.57	14.11	3981.10
		3576.76	1.55e-05	-1.94e-03	0.0	240.0	-49.33	-1.73	-0.22	-3.57	1.55e-05	3576.76
4	28	-5257.75	6.36	-0.31	0.0	0.0	-106.77	2.27	-0.19	2.37	6.36	-5783.20
		-5783.20	-1.08e-05	1.96e-03	0.0	240.0	-47.99	2.27	-0.19	2.37	-1.08e-05	-5257.75
4	29	5783.20	6.36	0.31	0.0	0.0	-106.77	-2.27	-0.19	-2.37	6.36	5783.20
		5257.75	-1.08e-05	1.96e-03	0.0	240.0	-47.99	-2.27	-0.19	-2.37	-1.08e-05	5257.75
4	30	-5257.75	14.11	-0.31	0.0	0.0	-108.11	2.27	-0.22	2.37	14.11	-5783.20
		-5783.20	1.55e-05	-1.94e-03	0.0	240.0	-49.33	2.27	-0.22	2.37	1.55e-05	-5257.75
4	31	5783.20	14.11	0.31	0.0	0.0	-108.11	-2.27	-0.22	-2.37	14.11	5783.20
		5257.75	1.55e-05	-1.94e-03	0.0	240.0	-49.33	-2.27	-0.22	-2.37	1.55e-05	5257.75
4	32	-5257.75	6.36	-0.31	0.0	0.0	-106.77	2.27	-0.19	2.37	6.36	-5783.20
		-5783.20	-1.08e-05	1.96e-03	0.0	240.0	-47.99	2.27	-0.19	2.37	-1.08e-05	-5257.75
4	33	5783.20	6.36	0.31	0.0	0.0	-106.77	-2.27	-0.19	-2.37	6.36	5783.20
		5257.75	-1.08e-05	1.96e-03	0.0	240.0	-47.99	-2.27	-0.19	-2.37	-1.08e-05	5257.75
4	34	-5257.75	14.11	-0.31	0.0	0.0	-108.11	2.27	-0.22	2.37	14.11	-5783.20

4	35	-5783.20	1.55e-05	-1.94e-03	0.0	240.0	-49.33	2.27	-0.22	2.37	1.55e-05	-5257.75
		5783.20	14.11	0.31	0.0	0.0	-108.11	-2.27	-0.22	-2.37	14.11	5783.20
		5257.75	1.55e-05	-1.94e-03	0.0	240.0	-49.33	-2.27	-0.22	-2.37	1.55e-05	5257.75
4	36	-1080.08	-3.77e-05	-0.09	0.0	0.0	-105.44	0.50	-0.15	0.92	-1.85	-1198.89
		-1198.89	-1.85	6.10e-03	0.0	240.0	-46.66	0.50	-0.15	0.92	-3.77e-05	-1080.08
4	37	1198.89	-3.77e-05	0.09	0.0	0.0	-105.44	-0.50	-0.15	-0.92	-1.85	1198.89
		1080.08	-1.85	6.10e-03	0.0	240.0	-46.66	-0.50	-0.15	-0.92	-3.77e-05	1080.08
4	38	-1080.08	22.32	-0.09	0.0	0.0	-109.45	0.50	-0.25	0.92	22.32	-1198.89
		-1198.89	4.24e-05	-6.08e-03	0.0	240.0	-50.67	0.50	-0.25	0.92	4.24e-05	-1080.08
4	39	1198.89	22.32	0.09	0.0	0.0	-109.45	-0.50	-0.25	-0.92	22.32	1198.89
		1080.08	4.24e-05	-6.08e-03	0.0	240.0	-50.67	-0.50	-0.25	-0.92	4.24e-05	1080.08
4	40	-1621.24	-3.77e-05	-0.10	0.0	0.0	-105.44	0.69	-0.15	0.59	-1.85	-1782.27
		-1782.27	-1.85	6.10e-03	0.0	240.0	-46.66	0.69	-0.15	0.59	-3.77e-05	-1621.24
4	41	1782.27	-3.77e-05	0.10	0.0	0.0	-105.44	-0.69	-0.15	-0.59	-1.85	1782.27
		1621.24	-1.85	6.10e-03	0.0	240.0	-46.66	-0.69	-0.15	-0.59	-3.77e-05	1621.24
4	42	-1621.24	22.32	-0.10	0.0	0.0	-109.45	0.69	-0.25	0.59	22.32	-1782.27
		-1782.27	4.24e-05	-6.08e-03	0.0	240.0	-50.67	0.69	-0.25	0.59	4.24e-05	-1621.24
4	43	1782.27	22.32	0.10	0.0	0.0	-109.45	-0.69	-0.25	-0.59	22.32	1782.27
		1621.24	4.24e-05	-6.08e-03	0.0	240.0	-50.67	-0.69	-0.25	-0.59	4.24e-05	1621.24
4	44	-1080.08	-3.77e-05	-0.09	0.0	0.0	-105.44	0.50	-0.15	0.92	-1.85	-1198.89
		-1198.89	-1.85	6.10e-03	0.0	240.0	-46.66	0.50	-0.15	0.92	-3.77e-05	-1080.08
4	45	1198.89	-3.77e-05	0.09	0.0	0.0	-105.44	-0.50	-0.15	-0.92	-1.85	1198.89
		1080.08	-1.85	6.10e-03	0.0	240.0	-46.66	-0.50	-0.15	-0.92	-3.77e-05	1080.08
4	46	-1080.08	22.32	-0.09	0.0	0.0	-109.45	0.50	-0.25	0.92	22.32	-1198.89
		-1198.89	4.24e-05	-6.08e-03	0.0	240.0	-50.67	0.50	-0.25	0.92	4.24e-05	-1080.08
4	47	1198.89	22.32	0.09	0.0	0.0	-109.45	-0.50	-0.25	-0.92	22.32	1198.89
		1080.08	4.24e-05	-6.08e-03	0.0	240.0	-50.67	-0.50	-0.25	-0.92	4.24e-05	1080.08
4	48	-1621.24	-3.77e-05	-0.10	0.0	0.0	-105.44	0.69	-0.15	0.59	-1.85	-1782.27
		-1782.27	-1.85	6.10e-03	0.0	240.0	-46.66	0.69	-0.15	0.59	-3.77e-05	-1621.24
4	49	1782.27	-3.77e-05	0.10	0.0	0.0	-105.44	-0.69	-0.15	-0.59	-1.85	1782.27
		1621.24	-1.85	6.10e-03	0.0	240.0	-46.66	-0.69	-0.15	-0.59	-3.77e-05	1621.24
4	50	-1621.24	22.32	-0.10	0.0	0.0	-109.45	0.69	-0.25	0.59	22.32	-1782.27
		-1782.27	4.24e-05	-6.08e-03	0.0	240.0	-50.67	0.69	-0.25	0.59	4.24e-05	-1621.24
4	51	1782.27	22.32	0.10	0.0	0.0	-109.45	-0.69	-0.25	-0.59	22.32	1782.27
		1621.24	4.24e-05	-6.08e-03	0.0	240.0	-50.67	-0.69	-0.25	-0.59	4.24e-05	1621.24
4	52	-3600.28	6.61	-0.30	0.0	0.0	-106.84	1.68	-0.19	3.06	6.61	-3996.30
		-3996.30	-9.66e-06	1.84e-03	0.0	240.0	-48.06	1.68	-0.19	3.06	-9.66e-06	-3600.28
4	53	3996.30	6.61	0.30	0.0	0.0	-106.84	-1.68	-0.19	-3.06	6.61	3996.30
		3600.28	-9.66e-06	1.84e-03	0.0	240.0	-48.06	-1.68	-0.19	-3.06	-9.66e-06	3600.28
4	54	-3600.28	13.86	-0.30	0.0	0.0	-108.04	1.68	-0.22	3.06	13.86	-3996.30
		-3996.30	1.44e-05	-1.82e-03	0.0	240.0	-49.26	1.68	-0.22	3.06	1.44e-05	-3600.28
4	55	3996.30	13.86	0.30	0.0	0.0	-108.04	-1.68	-0.22	-3.06	13.86	3996.30
		3600.28	1.44e-05	-1.82e-03	0.0	240.0	-49.26	-1.68	-0.22	-3.06	1.44e-05	3600.28
4	56	-3600.28	6.61	-0.30	0.0	0.0	-106.84	1.68	-0.19	3.06	6.61	-3996.30
		-3996.30	-9.66e-06	1.84e-03	0.0	240.0	-48.06	1.68	-0.19	3.06	-9.66e-06	-3600.28
4	57	3996.30	6.61	0.30	0.0	0.0	-106.84	-1.68	-0.19	-3.06	6.61	3996.30
		3600.28	-9.66e-06	1.84e-03	0.0	240.0	-48.06	-1.68	-0.19	-3.06	-9.66e-06	3600.28
4	58	-3600.28	13.86	-0.30	0.0	0.0	-108.04	1.68	-0.22	3.06	13.86	-3996.30
		-3996.30	1.44e-05	-1.82e-03	0.0	240.0	-49.26	1.68	-0.22	3.06	1.44e-05	-3600.28
4	59	3996.30	13.86	0.30	0.0	0.0	-108.04	-1.68	-0.22	-3.06	13.86	3996.30
		3600.28	1.44e-05	-1.82e-03	0.0	240.0	-49.26	-1.68	-0.22	-3.06	1.44e-05	3600.28
4	60	-5404.14	6.61	-0.33	0.0	0.0	-106.84	2.29	-0.19	1.98	6.61	-5940.90
		-5940.90	-9.66e-06	1.84e-03	0.0	240.0	-48.06	2.29	-0.19	1.98	-9.66e-06	-5404.14
4	61	5940.90	6.61	0.33	0.0	0.0	-106.84	-2.29	-0.19	-1.98	6.61	5940.90
		5404.14	-9.66e-06	1.84e-03	0.0	240.0	-48.06	-2.29	-0.19	-1.98	-9.66e-06	5404.14
4	62	-5404.14	13.86	-0.33	0.0	0.0	-108.04	2.29	-0.22	1.98	13.86	-5940.90
		-5940.90	1.44e-05	-1.82e-03	0.0	240.0	-49.26	2.29	-0.22	1.98	1.44e-05	-5404.14
4	63	5940.90	13.86	0.33	0.0	0.0	-108.04	-2.29	-0.22	-1.98	13.86	5940.90
		5404.14	1.44e-05	-1.82e-03	0.0	240.0	-49.26	-2.29	-0.22	-1.98	1.44e-05	5404.14
4	64	-5404.14	6.61	-0.33	0.0	0.0	-106.84	2.29	-0.19	1.98	6.61	-5940.90
		-5940.90	-9.66e-06	1.84e-03	0.0	240.0	-48.06	2.29	-0.19	1.98	-9.66e-06	-5404.14
4	65	5940.90	6.61	0.33	0.0	0.0	-106.84	-2.29	-0.19	-1.98	6.61	5940.90
		5404.14	-9.66e-06	1.84e-03	0.0	240.0	-48.06	-2.29	-0.19	-1.98	-9.66e-06	5404.14
4	66	-5404.14	13.86	-0.33	0.0	0.0	-108.04	2.29	-0.22	1.98	13.86	-5940.90
		-5940.90	1.44e-05	-1.82e-03	0.0	240.0	-49.26	2.29	-0.22	1.98	1.44e-05	-5404.14
4	67	5940.90	13.86	0.33	0.0	0.0	-108.04	-2.29	-0.22	-1.98	13.86	5940.90
		5404.14	1.44e-05	-1.82e-03	0.0	240.0	-49.26	-2.29	-0.22	-1.98	1.44e-05	5404.14
4	68	92.47	10.24	-0.23	0.0	0.0	-107.44	89.12	-0.20	14.40	10.24	-1.466e+04
		-1.466e+04	2.36e-06	-4.20e-05	0.0	240.0	-48.66	89.12	-0.20	14.40	2.36e-06	92.47
4	69	0.0	10.24	0.0	0.0	0.0	-107.44	0.0	-0.20	0.0	10.24	0.0
		0.0	2.36e-06	-4.20e-05	0.0	240.0	-48.66	0.0	-0.20	0.0	2.36e-06	0.0
4	70	0.0	10.24	0.0	0.0	0.0	-107.44	0.0	-0.20	0.0	10.24	0.0
		0.0	2.36e-06	-4.20e-05	0.0	240.0	-48.66	0.0	-0.20	0.0	2.36e-06	0.0
5	1	-1.315e+05	63.70	-0.04	0.0	0.0	-385.02	1091.35	-6.09	-118.82	63.70	-1.424e+05
		-1.424e+05	2.78	0.0	0.0	10.0	-381.84	1091.35	-6.09	-118.82	2.78	-1.315e+05

5	2	-1.315e+05	49.00	-0.04	0.0	0.0	-296.17	1091.35	-4.69	-118.82	49.00	-1.424e+05
		-1.424e+05	2.14	0.0	0.0	10.0	-293.72	1091.35	-4.69	-118.82	2.14	-1.315e+05
5	3	-8.766e+04	49.00	-0.02	0.0	0.0	-296.17	727.57	-4.69	-79.21	49.00	-9.494e+04
		-9.494e+04	2.14	0.0	0.0	10.0	-293.72	727.57	-4.69	-79.21	2.14	-8.766e+04
5	4	-4664.52	798.77	-2.86e-03	0.0	0.0	-285.54	25.34	-81.94	0.34	798.77	-4913.68
		-4913.68	-20.60	2.78e-04	0.0	10.0	-283.09	25.34	-81.94	0.34	-20.60	-4664.52
5	5	4913.68	798.77	2.86e-03	0.0	0.0	-285.54	-25.34	-81.94	-0.34	798.77	4913.68
		4664.52	-20.60	2.78e-04	0.0	10.0	-283.09	-25.34	-81.94	-0.34	-20.60	4664.52
5	6	-4664.52	24.88	-2.86e-03	0.0	0.0	-306.80	25.34	72.56	0.34	-700.78	-4913.68
		-4913.68	-700.78	-2.77e-04	0.0	10.0	-304.35	25.34	72.56	0.34	24.88	-4664.52
5	7	4913.68	24.89	2.86e-03	0.0	0.0	-306.80	-25.34	72.56	-0.34	-700.78	4913.68
		4664.52	-700.78	-2.77e-04	0.0	10.0	-304.35	-25.34	72.56	-0.34	24.89	4664.52
5	8	-5230.06	798.77	-2.90e-03	0.0	0.0	-285.54	29.03	-81.93	-0.34	798.77	-5516.47
		-5516.47	-20.61	2.78e-04	0.0	10.0	-283.09	29.03	-81.93	-0.34	-20.61	-5230.06
5	9	5516.47	798.78	2.90e-03	0.0	0.0	-285.54	-29.03	-81.94	0.34	798.78	5516.47
		5230.06	-20.60	2.78e-04	0.0	10.0	-283.09	-29.03	-81.94	0.34	-20.60	5230.06
5	10	-5230.06	24.88	-2.90e-03	0.0	0.0	-306.80	29.03	72.56	-0.34	-700.79	-5516.47
		-5516.47	-700.79	-2.77e-04	0.0	10.0	-304.35	29.03	72.56	-0.34	24.88	-5230.06
5	11	5516.47	24.89	2.90e-03	0.0	0.0	-306.80	-29.03	72.56	0.34	-700.77	5516.47
		5230.06	-700.77	-2.77e-04	0.0	10.0	-304.35	-29.03	72.56	0.34	24.89	5230.06
5	12	-4664.52	798.77	-2.86e-03	0.0	0.0	-285.54	25.34	-81.94	0.34	798.77	-4913.68
		-4913.68	-20.60	2.78e-04	0.0	10.0	-283.09	25.34	-81.94	0.34	-20.60	-4664.52
5	13	4913.68	798.77	2.86e-03	0.0	0.0	-285.54	-25.34	-81.94	-0.34	798.77	4913.68
		4664.52	-20.60	2.78e-04	0.0	10.0	-283.09	-25.34	-81.94	-0.34	-20.60	4664.52
5	14	-4664.52	24.88	-2.86e-03	0.0	0.0	-306.80	25.34	72.56	0.34	-700.78	-4913.68
		-4913.68	-700.78	-2.77e-04	0.0	10.0	-304.35	25.34	72.56	0.34	24.88	-4664.52
5	15	4913.68	24.89	2.86e-03	0.0	0.0	-306.80	-25.34	72.56	-0.34	-700.78	4913.68
		4664.52	-700.78	-2.77e-04	0.0	10.0	-304.35	-25.34	72.56	-0.34	24.89	4664.52
5	16	-5230.06	798.77	-2.90e-03	0.0	0.0	-285.54	29.03	-81.93	-0.34	798.77	-5516.47
		-5516.47	-20.61	2.78e-04	0.0	10.0	-283.09	29.03	-81.93	-0.34	-20.61	-5230.06
5	17	5516.47	798.78	2.90e-03	0.0	0.0	-285.54	-29.03	-81.94	0.34	798.78	5516.47
		5230.06	-20.60	2.78e-04	0.0	10.0	-283.09	-29.03	-81.94	0.34	-20.60	5230.06
5	18	-5230.06	24.88	-2.90e-03	0.0	0.0	-306.80	29.03	72.56	-0.34	-700.79	-5516.47
		-5516.47	-700.79	-2.77e-04	0.0	10.0	-304.35	29.03	72.56	-0.34	24.88	-5230.06
5	19	5516.47	24.89	2.90e-03	0.0	0.0	-306.80	-29.03	72.56	0.34	-700.77	5516.47
		5230.06	-700.77	-2.77e-04	0.0	10.0	-304.35	-29.03	72.56	0.34	24.89	5230.06
5	20	-1.555e+04	273.93	-9.54e-03	0.0	0.0	-292.98	84.47	-27.86	1.13	273.93	-1.638e+04
		-1.638e+04	-4.68	8.36e-05	0.0	10.0	-290.53	84.47	-27.86	1.13	-4.68	-1.555e+04
5	21	1.638e+04	273.93	9.54e-03	0.0	0.0	-292.98	-84.47	-27.86	-1.13	273.93	1.638e+04
		1.555e+04	-4.68	8.36e-05	0.0	10.0	-290.53	-84.47	-27.86	-1.13	-4.68	1.555e+04
5	22	-1.555e+04	8.96	-9.54e-03	0.0	0.0	-299.36	84.47	18.49	1.13	-175.94	-1.638e+04
		-1.638e+04	-175.94	-8.29e-05	0.0	10.0	-296.91	84.47	18.49	1.13	8.96	-1.555e+04
5	23	1.638e+04	8.96	9.54e-03	0.0	0.0	-299.36	-84.47	18.49	-1.13	-175.93	1.638e+04
		1.555e+04	-175.93	-8.29e-05	0.0	10.0	-296.91	-84.47	18.49	-1.13	8.96	1.555e+04
5	24	-1.555e+04	273.93	-9.54e-03	0.0	0.0	-292.98	84.47	-27.86	1.13	273.93	-1.638e+04
		-1.638e+04	-4.68	8.36e-05	0.0	10.0	-290.53	84.47	-27.86	1.13	-4.68	-1.555e+04
5	25	1.638e+04	273.93	9.54e-03	0.0	0.0	-292.98	-84.47	-27.86	-1.13	273.93	1.638e+04
		1.555e+04	-4.68	8.36e-05	0.0	10.0	-290.53	-84.47	-27.86	-1.13	-4.68	1.555e+04
5	26	-1.555e+04	8.96	-9.54e-03	0.0	0.0	-299.36	84.47	18.49	1.13	-175.94	-1.638e+04
		-1.638e+04	-175.94	-8.29e-05	0.0	10.0	-296.91	84.47	18.49	1.13	8.96	-1.555e+04
5	27	1.638e+04	8.96	9.54e-03	0.0	0.0	-299.36	-84.47	18.49	-1.13	-175.93	1.638e+04
		1.555e+04	-175.93	-8.29e-05	0.0	10.0	-296.91	-84.47	18.49	-1.13	8.96	1.555e+04
5	28	-1.743e+04	273.91	-9.68e-03	0.0	0.0	-292.98	96.77	-27.86	-1.15	273.91	-1.839e+04
		-1.839e+04	-4.69	8.36e-05	0.0	10.0	-290.53	96.77	-27.86	-1.15	-4.69	-1.743e+04
5	29	1.839e+04	273.95	9.68e-03	0.0	0.0	-292.98	-96.77	-27.86	1.15	273.95	1.839e+04
		1.743e+04	-4.68	8.36e-05	0.0	10.0	-290.53	-96.77	-27.86	1.15	-4.68	1.743e+04
5	30	-1.743e+04	8.96	-9.68e-03	0.0	0.0	-299.36	96.77	18.49	-1.15	-175.96	-1.839e+04
		-1.839e+04	-175.96	-8.29e-05	0.0	10.0	-296.91	96.77	18.49	-1.15	8.96	-1.743e+04
5	31	1.839e+04	8.97	9.68e-03	0.0	0.0	-299.36	-96.77	18.49	1.15	-175.91	1.839e+04
		1.743e+04	-175.91	-8.29e-05	0.0	10.0	-296.91	-96.77	18.49	1.15	8.97	1.743e+04
5	32	-1.743e+04	273.91	-9.68e-03	0.0	0.0	-292.98	96.77	-27.86	-1.15	273.91	-1.839e+04
		-1.839e+04	-4.69	8.36e-05	0.0	10.0	-290.53	96.77	-27.86	-1.15	-4.69	-1.743e+04
5	33	1.839e+04	273.95	9.68e-03	0.0	0.0	-292.98	-96.77	-27.86	1.15	273.95	1.839e+04
		1.743e+04	-4.68	8.36e-05	0.0	10.0	-290.53	-96.77	-27.86	1.15	-4.68	1.743e+04
5	34	-1.743e+04	8.96	-9.68e-03	0.0	0.0	-299.36	96.77	18.49	-1.15	-175.96	-1.839e+04
		-1.839e+04	-175.96	-8.29e-05	0.0	10.0	-296.91	96.77	18.49	-1.15	8.96	-1.743e+04
5	35	1.839e+04	8.97	9.68e-03	0.0	0.0	-299.36	-96.77	18.49	1.15	-175.91	1.839e+04
		1.743e+04	-175.91	-8.29e-05	0.0	10.0	-296.91	-96.77	18.49	1.15	8.97	1.743e+04
5	36	-4714.43	750.19	-3.07e-03	0.0	0.0	-286.47	26.43	-76.93	0.33	750.19	-4975.84
		-4975.84	-19.12	2.61e-04	0.0	10.0	-284.02	26.43	-76.93	0.33	-19.12	-4714.43
5	37	4975.84	750.19	3.07e-03	0.0	0.0	-286.47	-26.43	-76.93	-0.33	750.19	4975.84
		4714.43	-19.12	2.61e-04	0.0	10.0	-284.02	-26.43	-76.93	-0.33	-19.12	4714.43
5	38	-4714.43	23.40	-3.07e-03	0.0	0.0	-305.87	26.43	67.56	0.33	-652.20	-4975.84
		-4975.84	-652.20	-2.61e-04	0.0	10.0	-303.42	26.43	67.56	0.33	23.40	-4714.43
5	39	4975.84	23.40	3.07e-03	0.0	0.0	-305.87	-26.43	67.56	-0.33	-652.20	4975.84



		4714.43	-652.20	-2.61e-04	0.0	10.0	-303.42	-26.43	67.56	-0.33	23.40	4714.43
5	40	-5381.67	750.19	-3.11e-03	0.0	0.0	-286.47	30.54	-76.93	-0.33	750.19	-5684.44
		-5684.44	-19.12	2.61e-04	0.0	10.0	-284.02	30.54	-76.93	-0.33	-19.12	-5381.67
5	41	5684.44	750.20	3.11e-03	0.0	0.0	-286.47	-30.54	-76.93	0.33	750.20	5684.44
		5381.67	-19.12	2.61e-04	0.0	10.0	-284.02	-30.54	-76.93	0.33	-19.12	5381.67
5	42	-5381.67	23.40	-3.11e-03	0.0	0.0	-305.87	30.54	67.56	-0.33	-652.20	-5684.44
		-5684.44	-652.20	-2.61e-04	0.0	10.0	-303.42	30.54	67.56	-0.33	23.40	-5381.67
5	43	5684.44	23.40	3.11e-03	0.0	0.0	-305.87	-30.54	67.56	0.33	-652.19	5684.44
		5381.67	-652.19	-2.61e-04	0.0	10.0	-303.42	-30.54	67.56	0.33	23.40	5381.67
5	44	-4714.43	750.19	-3.07e-03	0.0	0.0	-286.47	26.43	-76.93	0.33	750.19	-4975.84
		-4975.84	-19.12	2.61e-04	0.0	10.0	-284.02	26.43	-76.93	0.33	-19.12	-4714.43
5	45	4975.84	750.19	3.07e-03	0.0	0.0	-286.47	-26.43	-76.93	-0.33	750.19	4975.84
		4714.43	-19.12	2.61e-04	0.0	10.0	-284.02	-26.43	-76.93	-0.33	-19.12	4714.43
5	46	-4714.43	23.40	-3.07e-03	0.0	0.0	-305.87	26.43	67.56	0.33	-652.20	-4975.84
		-4975.84	-652.20	-2.61e-04	0.0	10.0	-303.42	26.43	67.56	0.33	23.40	-4714.43
5	47	4975.84	23.40	3.07e-03	0.0	0.0	-305.87	-26.43	67.56	-0.33	-652.20	4975.84
		4714.43	-652.20	-2.61e-04	0.0	10.0	-303.42	-26.43	67.56	-0.33	23.40	4714.43
5	48	-5381.67	750.19	-3.11e-03	0.0	0.0	-286.47	30.54	-76.93	-0.33	750.19	-5684.44
		-5684.44	-19.12	2.61e-04	0.0	10.0	-284.02	30.54	-76.93	-0.33	-19.12	-5381.67
5	49	5684.44	750.20	3.11e-03	0.0	0.0	-286.47	-30.54	-76.93	0.33	750.20	5684.44
		5381.67	-19.12	2.61e-04	0.0	10.0	-284.02	-30.54	-76.93	0.33	-19.12	5381.67
5	50	-5381.67	23.40	-3.11e-03	0.0	0.0	-305.87	30.54	67.56	-0.33	-652.20	-5684.44
		-5684.44	-652.20	-2.61e-04	0.0	10.0	-303.42	30.54	67.56	-0.33	23.40	-5381.67
5	51	5684.44	23.40	3.11e-03	0.0	0.0	-305.87	-30.54	67.56	0.33	-652.19	5684.44
		5381.67	-652.19	-2.61e-04	0.0	10.0	-303.42	-30.54	67.56	0.33	23.40	5381.67
5	52	-1.571e+04	259.35	-0.01	0.0	0.0	-293.26	88.09	-26.36	1.11	259.35	-1.659e+04
		-1.659e+04	-4.24	7.87e-05	0.0	10.0	-290.81	88.09	-26.36	1.11	-4.24	-1.571e+04
5	53	1.659e+04	259.36	0.01	0.0	0.0	-293.26	-88.09	-26.36	-1.11	259.36	1.659e+04
		1.571e+04	-4.24	7.87e-05	0.0	10.0	-290.81	-88.09	-26.36	-1.11	-4.24	1.571e+04
5	54	-1.571e+04	8.52	-0.01	0.0	0.0	-299.08	88.09	16.99	1.11	-161.36	-1.659e+04
		-1.659e+04	-161.36	-7.79e-05	0.0	10.0	-296.63	88.09	16.99	1.11	8.52	-1.571e+04
5	55	1.659e+04	8.52	0.01	0.0	0.0	-299.08	-88.09	16.99	-1.11	-161.36	1.659e+04
		1.571e+04	-161.36	-7.79e-05	0.0	10.0	-296.63	-88.09	16.99	-1.11	8.52	1.571e+04
5	56	-1.571e+04	259.35	-0.01	0.0	0.0	-293.26	88.09	-26.36	1.11	259.35	-1.659e+04
		-1.659e+04	-4.24	7.87e-05	0.0	10.0	-290.81	88.09	-26.36	1.11	-4.24	-1.571e+04
5	57	1.659e+04	259.36	0.01	0.0	0.0	-293.26	-88.09	-26.36	-1.11	259.36	1.659e+04
		1.571e+04	-4.24	7.87e-05	0.0	10.0	-290.81	-88.09	-26.36	-1.11	-4.24	1.571e+04
5	58	-1.571e+04	8.52	-0.01	0.0	0.0	-299.08	88.09	16.99	1.11	-161.36	-1.659e+04
		-1.659e+04	-161.36	-7.79e-05	0.0	10.0	-296.63	88.09	16.99	1.11	8.52	-1.571e+04
5	59	1.659e+04	8.52	0.01	0.0	0.0	-299.08	-88.09	16.99	-1.11	-161.36	1.659e+04
		1.571e+04	-161.36	-7.79e-05	0.0	10.0	-296.63	-88.09	16.99	-1.11	8.52	1.571e+04
5	60	-1.794e+04	259.34	-0.01	0.0	0.0	-293.26	101.80	-26.36	-1.11	259.34	-1.895e+04
		-1.895e+04	-4.24	7.87e-05	0.0	10.0	-290.81	101.80	-26.36	-1.11	-4.24	-1.794e+04
5	61	1.895e+04	259.37	0.01	0.0	0.0	-293.26	-101.80	-26.36	1.11	259.37	1.895e+04
		1.794e+04	-4.24	7.87e-05	0.0	10.0	-290.81	-101.80	-26.36	1.11	-4.24	1.794e+04
5	62	-1.794e+04	8.52	-0.01	0.0	0.0	-299.08	101.80	16.99	-1.11	-161.37	-1.895e+04
		-1.895e+04	-161.37	-7.79e-05	0.0	10.0	-296.63	101.80	16.99	-1.11	8.52	-1.794e+04
5	63	1.895e+04	8.52	0.01	0.0	0.0	-299.08	-101.80	16.99	1.11	-161.35	1.895e+04
		1.794e+04	-161.35	-7.79e-05	0.0	10.0	-296.63	-101.80	16.99	1.11	8.52	1.794e+04
5	64	-1.794e+04	259.34	-0.01	0.0	0.0	-293.26	101.80	-26.36	-1.11	259.34	-1.895e+04
		-1.895e+04	-4.24	7.87e-05	0.0	10.0	-290.81	101.80	-26.36	-1.11	-4.24	-1.794e+04
5	65	1.895e+04	259.37	0.01	0.0	0.0	-293.26	-101.80	-26.36	1.11	259.37	1.895e+04
		1.794e+04	-4.24	7.87e-05	0.0	10.0	-290.81	-101.80	-26.36	1.11	-4.24	1.794e+04
5	66	-1.794e+04	8.52	-0.01	0.0	0.0	-299.08	101.80	16.99	-1.11	-161.37	-1.895e+04
		-1.895e+04	-161.37	-7.79e-05	0.0	10.0	-296.63	101.80	16.99	-1.11	8.52	-1.794e+04
5	67	1.895e+04	8.52	0.01	0.0	0.0	-299.08	-101.80	16.99	1.11	-161.35	1.895e+04
		1.794e+04	-161.35	-7.79e-05	0.0	10.0	-296.63	-101.80	16.99	1.11	8.52	1.794e+04
5	68	-1.753e+04	49.00	-4.87e-03	0.0	0.0	-296.17	145.51	-4.69	-15.84	49.00	-1.899e+04
		-1.899e+04	2.14	0.0	0.0	10.0	-293.72	145.51	-4.69	-15.84	2.14	-1.753e+04
5	69	0.0	49.00	0.0	0.0	0.0	-296.17	0.0	-4.69	0.0	49.00	0.0
		0.0	2.14	0.0	0.0	10.0	-293.72	0.0	-4.69	0.0	2.14	0.0
5	70	0.0	49.00	0.0	0.0	0.0	-296.17	0.0	-4.69	0.0	49.00	0.0
		0.0	2.14	0.0	0.0	10.0	-293.72	0.0	-4.69	0.0	2.14	0.0
6	1	292.29	2.78	-1.78	0.0	0.0	-140.97	768.97	-0.06	18.21	2.78	-1.173e+05
		-1.173e+05	0.0	-1.20e-05	0.0	240.0	-64.56	768.97	-0.06	18.21	0.0	292.29
6	2	292.29	2.14	-1.78	0.0	0.0	-108.44	768.97	-0.05	18.21	2.14	-1.173e+05
		-1.173e+05	0.0	-9.25e-06	0.0	240.0	-49.66	768.97	-0.05	18.21	0.0	292.29
6	3	194.86	2.14	-1.18	0.0	0.0	-108.44	512.64	-0.05	12.14	2.14	-7.818e+04
		-7.818e+04	0.0	-9.25e-06	0.0	240.0	-49.66	512.64	-0.05	12.14	0.0	194.86
6	4	-1279.46	-4.27e-05	-0.09	0.0	0.0	-107.35	0.60	0.05	0.92	-20.60	-1424.14
		-1424.14	-20.60	6.54e-03	0.0	240.0	-48.56	0.60	0.05	0.92	-4.27e-05	-1279.46
6	5	1424.14	-4.27e-05	0.09	0.0	0.0	-107.35	-0.60	0.05	-0.92	-20.60	1424.14
		1279.46	-20.60	6.54e-03	0.0	240.0	-48.56	-0.60	0.05	-0.92	-4.27e-05	1279.46
6	6	-1279.46	24.89	-0.09	0.0	0.0	-109.53	0.60	-0.14	0.92	24.89	-1424.14
		-1424.14	4.40e-05	-6.54e-03	0.0	240.0	-50.75	0.60	-0.14	0.92	4.40e-05	-1279.46

6	8	1279.46	4.40e-05	-6.54e-03	0.0	240.0	-50.75	-0.60	-0.14	-0.92	4.40e-05	1279.46
		-1424.56	-4.27e-05	-0.09	0.0	0.0	-107.35	0.70	0.05	-1.22	-20.60	-1592.00
		-1592.00	-20.60	6.54e-03	0.0	240.0	-48.56	0.70	0.05	-1.22	-4.27e-05	-1424.56
6	9	1592.00	-4.27e-05	0.09	0.0	0.0	-107.35	-0.70	0.05	1.22	-20.61	1592.00
		1424.56	-20.61	6.54e-03	0.0	240.0	-48.56	-0.70	0.05	1.22	-4.27e-05	1424.56
6	10	-1424.56	24.89	-0.09	0.0	0.0	-109.53	0.70	-0.14	-1.22	24.89	-1592.00
		-1592.00	4.40e-05	-6.54e-03	0.0	240.0	-50.75	0.70	-0.14	-1.22	4.40e-05	-1424.56
6	11	1592.00	24.88	0.09	0.0	0.0	-109.53	-0.70	-0.14	1.22	24.88	1592.00
		1424.56	4.40e-05	-6.54e-03	0.0	240.0	-50.75	-0.70	-0.14	1.22	4.40e-05	1424.56
6	12	-1279.46	-4.27e-05	-0.09	0.0	0.0	-107.35	0.60	0.05	0.92	-20.60	-1424.14
		-1424.14	-20.60	6.54e-03	0.0	240.0	-48.56	0.60	0.05	0.92	-4.27e-05	-1279.46
6	13	1424.14	-4.27e-05	0.09	0.0	0.0	-107.35	-0.60	0.05	-0.92	-20.60	1424.14
		1279.46	-20.60	6.54e-03	0.0	240.0	-48.56	-0.60	0.05	-0.92	-4.27e-05	1279.46
6	14	-1279.46	24.89	-0.09	0.0	0.0	-109.53	0.60	-0.14	0.92	24.89	-1424.14
		-1424.14	4.40e-05	-6.54e-03	0.0	240.0	-50.75	0.60	-0.14	0.92	4.40e-05	-1279.46
6	15	1424.14	24.88	0.09	0.0	0.0	-109.53	-0.60	-0.14	-0.92	24.88	1424.14
		1279.46	4.40e-05	-6.54e-03	0.0	240.0	-50.75	-0.60	-0.14	-0.92	4.40e-05	1279.46
6	16	-1424.56	-4.27e-05	-0.09	0.0	0.0	-107.35	0.70	0.05	-1.22	-20.60	-1592.00
		-1592.00	-20.60	6.54e-03	0.0	240.0	-48.56	0.70	0.05	-1.22	-4.27e-05	-1424.56
6	17	1592.00	-4.27e-05	0.09	0.0	0.0	-107.35	-0.70	0.05	1.22	-20.61	1592.00
		1424.56	-20.61	6.54e-03	0.0	240.0	-48.56	-0.70	0.05	1.22	-4.27e-05	1424.56
6	18	-1424.56	24.89	-0.09	0.0	0.0	-109.53	0.70	-0.14	-1.22	24.89	-1592.00
		-1592.00	4.40e-05	-6.54e-03	0.0	240.0	-50.75	0.70	-0.14	-1.22	4.40e-05	-1424.56
6	19	1592.00	24.88	0.09	0.0	0.0	-109.53	-0.70	-0.14	1.22	24.88	1592.00
		1424.56	4.40e-05	-6.54e-03	0.0	240.0	-50.75	-0.70	-0.14	1.22	4.40e-05	1424.56
6	20	-4264.88	-1.23e-05	-0.29	0.0	0.0	-108.11	2.01	-0.02	3.06	-4.68	-4747.12
		-4747.12	-4.68	1.96e-03	0.0	240.0	-49.33	2.01	-0.02	3.06	-1.23e-05	-4264.88
6	21	4747.12	-1.23e-05	0.29	0.0	0.0	-108.11	-2.01	-0.02	-3.06	-4.68	4747.12
		4264.88	-4.68	1.96e-03	0.0	240.0	-49.33	-2.01	-0.02	-3.06	-1.23e-05	4264.88
6	22	-4264.88	8.96	-0.29	0.0	0.0	-108.77	2.01	-0.08	3.06	8.96	-4747.12
		-4747.12	1.37e-05	-1.96e-03	0.0	240.0	-49.99	2.01	-0.08	3.06	1.37e-05	-4264.88
6	23	4747.12	8.96	0.29	0.0	0.0	-108.77	-2.01	-0.08	-3.06	8.96	4747.12
		4264.88	1.37e-05	-1.96e-03	0.0	240.0	-49.99	-2.01	-0.08	-3.06	1.37e-05	4264.88
6	24	-4264.88	-1.23e-05	-0.29	0.0	0.0	-108.11	2.01	-0.02	3.06	-4.68	-4747.12
		-4747.12	-4.68	1.96e-03	0.0	240.0	-49.33	2.01	-0.02	3.06	-1.23e-05	-4264.88
6	25	4747.12	-1.23e-05	0.29	0.0	0.0	-108.11	-2.01	-0.02	-3.06	-4.68	4747.12
		4264.88	-4.68	1.96e-03	0.0	240.0	-49.33	-2.01	-0.02	-3.06	-1.23e-05	4264.88
6	26	-4264.88	8.96	-0.29	0.0	0.0	-108.77	2.01	-0.08	3.06	8.96	-4747.12
		-4747.12	1.37e-05	-1.96e-03	0.0	240.0	-49.99	2.01	-0.08	3.06	1.37e-05	-4264.88
6	27	4747.12	8.96	0.29	0.0	0.0	-108.77	-2.01	-0.08	-3.06	8.96	4747.12
		4264.88	1.37e-05	-1.96e-03	0.0	240.0	-49.99	-2.01	-0.08	-3.06	1.37e-05	4264.88
6	28	-4748.55	-1.23e-05	-0.30	0.0	0.0	-108.11	2.33	-0.02	-4.06	-4.68	-5306.68
		-5306.68	-4.68	1.96e-03	0.0	240.0	-49.33	2.33	-0.02	-4.06	-1.23e-05	-4748.55
6	29	5306.68	-1.23e-05	0.30	0.0	0.0	-108.11	-2.33	-0.02	4.06	-4.69	5306.68
		4748.55	-4.69	1.96e-03	0.0	240.0	-49.33	-2.33	-0.02	4.06	-1.23e-05	4748.55
6	30	-4748.55	8.97	-0.30	0.0	0.0	-108.77	2.33	-0.08	-4.06	8.97	-5306.68
		-5306.68	1.37e-05	-1.96e-03	0.0	240.0	-49.99	2.33	-0.08	-4.06	1.37e-05	-4748.55
6	31	5306.68	8.96	0.30	0.0	0.0	-108.77	-2.33	-0.08	4.06	8.96	5306.68
		4748.55	1.37e-05	-1.96e-03	0.0	240.0	-49.99	-2.33	-0.08	4.06	1.37e-05	4748.55
6	32	-4748.55	-1.23e-05	-0.30	0.0	0.0	-108.11	2.33	-0.02	-4.06	-4.68	-5306.68
		-5306.68	-4.68	1.96e-03	0.0	240.0	-49.33	2.33	-0.02	-4.06	-1.23e-05	-4748.55
6	33	5306.68	-1.23e-05	0.30	0.0	0.0	-108.11	-2.33	-0.02	4.06	-4.69	5306.68
		4748.55	-4.69	1.96e-03	0.0	240.0	-49.33	-2.33	-0.02	4.06	-1.23e-05	4748.55
6	34	-4748.55	8.97	-0.30	0.0	0.0	-108.77	2.33	-0.08	-4.06	8.97	-5306.68
		-5306.68	1.37e-05	-1.96e-03	0.0	240.0	-49.99	2.33	-0.08	-4.06	1.37e-05	-4748.55
6	35	5306.68	8.96	0.30	0.0	0.0	-108.77	-2.33	-0.08	4.06	8.96	5306.68
		4748.55	1.37e-05	-1.96e-03	0.0	240.0	-49.99	-2.33	-0.08	4.06	1.37e-05	4748.55
6	36	-1288.27	-3.90e-05	-0.09	0.0	0.0	-107.44	0.61	0.04	0.76	-19.12	-1433.46
		-1433.46	-19.12	6.13e-03	0.0	240.0	-48.66	0.61	0.04	0.76	-3.90e-05	-1288.27
6	37	1433.46	-3.90e-05	0.09	0.0	0.0	-107.44	-0.61	0.04	-0.76	-19.12	1433.46
		1288.27	-19.12	6.13e-03	0.0	240.0	-48.66	-0.61	0.04	-0.76	-3.90e-05	1288.27
6	38	-1288.27	23.40	-0.09	0.0	0.0	-109.44	0.61	-0.14	0.76	23.40	-1433.46
		-1433.46	4.04e-05	-6.13e-03	0.0	240.0	-50.66	0.61	-0.14	0.76	4.04e-05	-1288.27
6	39	1433.46	23.40	0.09	0.0	0.0	-109.44	-0.61	-0.14	-0.76	23.40	1433.46
		1288.27	4.04e-05	-6.13e-03	0.0	240.0	-50.66	-0.61	-0.14	-0.76	4.04e-05	1288.27
6	40	-1465.49	-3.90e-05	-0.10	0.0	0.0	-107.44	0.72	0.04	-1.08	-19.12	-1637.41
		-1637.41	-19.12	6.13e-03	0.0	240.0	-48.66	0.72	0.04	-1.08	-3.90e-05	-1465.49
6	41	1637.41	-3.90e-05	0.10	0.0	0.0	-107.44	-0.72	0.04	1.08	-19.12	1637.41
		1465.49	-19.12	6.13e-03	0.0	240.0	-48.66	-0.72	0.04	1.08	-3.90e-05	1465.49
6	42	-1465.49	23.40	-0.10	0.0	0.0	-109.44	0.72	-0.14	-1.08	23.40	-1637.41
		-1637.41	4.04e-05	-6.13e-03	0.0	240.0	-50.66	0.72	-0.14	-1.08	4.04e-05	-1465.49
6	43	1637.41	23.40	0.10	0.0	0.0	-109.44	-0.72	-0.14	1.08	23.40	1637.41
		1465.49	4.04e-05	-6.13e-03	0.0	240.0	-50.66	-0.72	-0.14	1.08	4.04e-05	1465.49
6	44	-1288.27	-3.90e-05	-0.09	0.0	0.0	-107.44	0.61	0.04	0.76	-19.12	-1433.46
		-1433.46	-19.12	6.13e-03	0.0	240.0	-48.66	0.61	0.04	0.76	-3.90e-05	-1288.27

6	45	1433.46	-3.90e-05	0.09	0.0	0.0	-107.44	-0.61	0.04	-0.76	-19.12	1433.46
		1288.27	-19.12	6.13e-03	0.0	240.0	-48.66	-0.61	0.04	-0.76	-3.90e-05	1288.27
6	46	-1288.27	23.40	-0.09	0.0	0.0	-109.44	0.61	-0.14	0.76	23.40	-1433.46
		-1433.46	4.04e-05	-6.13e-03	0.0	240.0	-50.66	0.61	-0.14	0.76	4.04e-05	-1288.27
6	47	1433.46	23.40	0.09	0.0	0.0	-109.44	-0.61	-0.14	-0.76	23.40	1433.46
		1288.27	4.04e-05	-6.13e-03	0.0	240.0	-50.66	-0.61	-0.14	-0.76	4.04e-05	1288.27
6	48	-1465.49	-3.90e-05	-0.10	0.0	0.0	-107.44	0.72	0.04	-1.08	-19.12	-1637.41
		-1637.41	-19.12	6.13e-03	0.0	240.0	-48.66	0.72	0.04	-1.08	-3.90e-05	-1465.49
6	49	1637.41	-3.90e-05	0.10	0.0	0.0	-107.44	-0.72	0.04	1.08	-19.12	1637.41
		1465.49	-19.12	6.13e-03	0.0	240.0	-48.66	-0.72	0.04	1.08	-3.90e-05	1465.49
6	50	-1465.49	23.40	-0.10	0.0	0.0	-109.44	0.72	-0.14	-1.08	23.40	-1637.41
		-1637.41	4.04e-05	-6.13e-03	0.0	240.0	-50.66	0.72	-0.14	-1.08	4.04e-05	-1465.49
6	51	1637.41	23.40	0.10	0.0	0.0	-109.44	-0.72	-0.14	1.08	23.40	1637.41
		1465.49	4.04e-05	-6.13e-03	0.0	240.0	-50.66	-0.72	-0.14	1.08	4.04e-05	1465.49
6	52	-4294.23	-1.12e-05	-0.31	0.0	0.0	-108.14	2.02	-0.02	2.54	-4.24	-4778.20
		-4778.20	-4.24	1.84e-03	0.0	240.0	-49.36	2.02	-0.02	2.54	-1.12e-05	-4294.23
6	53	4778.20	-1.12e-05	0.31	0.0	0.0	-108.14	-2.02	-0.02	-2.54	-4.24	4778.20
		4294.23	-4.24	1.84e-03	0.0	240.0	-49.36	-2.02	-0.02	-2.54	-1.12e-05	4294.23
6	54	-4294.23	8.52	-0.31	0.0	0.0	-108.74	2.02	-0.08	2.54	8.52	-4778.20
		-4778.20	1.26e-05	-1.84e-03	0.0	240.0	-49.96	2.02	-0.08	2.54	1.26e-05	-4294.23
6	55	4778.20	8.52	0.31	0.0	0.0	-108.74	-2.02	-0.08	-2.54	8.52	4778.20
		4294.23	1.26e-05	-1.84e-03	0.0	240.0	-49.96	-2.02	-0.08	-2.54	1.26e-05	4294.23
6	56	-4294.23	-1.12e-05	-0.31	0.0	0.0	-108.14	2.02	-0.02	2.54	-4.24	-4778.20
		-4778.20	-4.24	1.84e-03	0.0	240.0	-49.36	2.02	-0.02	2.54	-1.12e-05	-4294.23
6	57	4778.20	-1.12e-05	0.31	0.0	0.0	-108.14	-2.02	-0.02	-2.54	-4.24	4778.20
		4294.23	-4.24	1.84e-03	0.0	240.0	-49.36	-2.02	-0.02	-2.54	-1.12e-05	4294.23
6	58	-4294.23	8.52	-0.31	0.0	0.0	-108.74	2.02	-0.08	2.54	8.52	-4778.20
		-4778.20	1.26e-05	-1.84e-03	0.0	240.0	-49.96	2.02	-0.08	2.54	1.26e-05	-4294.23
6	59	4778.20	8.52	0.31	0.0	0.0	-108.74	-2.02	-0.08	-2.54	8.52	4778.20
		4294.23	1.26e-05	-1.84e-03	0.0	240.0	-49.96	-2.02	-0.08	-2.54	1.26e-05	4294.23
6	60	-4884.96	-1.12e-05	-0.32	0.0	0.0	-108.14	2.39	-0.02	-3.59	-4.24	-5458.04
		-5458.04	-4.24	1.84e-03	0.0	240.0	-49.36	2.39	-0.02	-3.59	-1.12e-05	-4884.96
6	61	5458.04	-1.12e-05	0.32	0.0	0.0	-108.14	-2.39	-0.02	3.59	-4.24	5458.04
		4884.96	-4.24	1.84e-03	0.0	240.0	-49.36	-2.39	-0.02	3.59	-1.12e-05	4884.96
6	62	-4884.96	8.52	-0.32	0.0	0.0	-108.74	2.39	-0.08	-3.59	8.52	-5458.04
		-5458.04	1.26e-05	-1.84e-03	0.0	240.0	-49.96	2.39	-0.08	-3.59	1.26e-05	-4884.96
6	63	5458.04	8.52	0.32	0.0	0.0	-108.74	-2.39	-0.08	3.59	8.52	5458.04
		4884.96	1.26e-05	-1.84e-03	0.0	240.0	-49.96	-2.39	-0.08	3.59	1.26e-05	4884.96
6	64	-4884.96	-1.12e-05	-0.32	0.0	0.0	-108.14	2.39	-0.02	-3.59	-4.24	-5458.04
		-5458.04	-4.24	1.84e-03	0.0	240.0	-49.36	2.39	-0.02	-3.59	-1.12e-05	-4884.96
6	65	5458.04	-1.12e-05	0.32	0.0	0.0	-108.14	-2.39	-0.02	3.59	-4.24	5458.04
		4884.96	-4.24	1.84e-03	0.0	240.0	-49.36	-2.39	-0.02	3.59	-1.12e-05	4884.96
6	66	-4884.96	8.52	-0.32	0.0	0.0	-108.74	2.39	-0.08	-3.59	8.52	-5458.04
		-5458.04	1.26e-05	-1.84e-03	0.0	240.0	-49.96	2.39	-0.08	-3.59	1.26e-05	-4884.96
6	67	5458.04	8.52	0.32	0.0	0.0	-108.74	-2.39	-0.08	3.59	8.52	5458.04
		4884.96	1.26e-05	-1.84e-03	0.0	240.0	-49.96	-2.39	-0.08	3.59	1.26e-05	4884.96
6	68	38.97	2.14	-0.24	0.0	0.0	-108.44	102.53	-0.05	2.43	2.14	-1.564e+04
		-1.564e+04	0.0	-9.25e-06	0.0	240.0	-49.66	102.53	-0.05	2.43	0.0	38.97
6	69	0.0	2.14	0.0	0.0	0.0	-108.44	0.0	-0.05	0.0	2.14	0.0
		0.0	0.0	-9.25e-06	0.0	240.0	-49.66	0.0	-0.05	0.0	0.0	0.0
6	70	0.0	2.14	0.0	0.0	0.0	-108.44	0.0	-0.05	0.0	2.14	0.0
		0.0	0.0	-9.25e-06	0.0	240.0	-49.66	0.0	-0.05	0.0	0.0	0.0
7	1	-1.315e+05	-2.78	-0.04	0.0	0.0	-385.02	1091.35	6.09	118.82	-63.70	-1.424e+05
		-1.424e+05	-63.70	0.0	0.0	10.0	-381.84	1091.35	6.09	118.82	-2.78	-1.315e+05
7	2	-1.315e+05	-2.14	-0.04	0.0	0.0	-296.17	1091.35	4.69	118.82	-49.00	-1.424e+05
		-1.424e+05	-49.00	0.0	0.0	10.0	-293.72	1091.35	4.69	118.82	-2.14	-1.315e+05
7	3	-8.766e+04	-2.14	-0.02	0.0	0.0	-296.17	727.57	4.69	79.21	-49.00	-9.494e+04
		-9.494e+04	-49.00	0.0	0.0	10.0	-293.72	727.57	4.69	79.21	-2.14	-8.766e+04
7	4	-5230.06	700.78	-2.90e-03	0.0	0.0	-306.80	29.03	-72.56	0.34	700.78	-5516.47
		-5516.47	-24.88	2.77e-04	0.0	10.0	-304.35	29.03	-72.56	0.34	-24.88	-5230.06
7	5	5516.47	700.78	2.90e-03	0.0	0.0	-306.80	-29.03	-72.56	-0.34	700.78	5516.47
		5230.06	-24.89	2.77e-04	0.0	10.0	-304.35	-29.03	-72.56	-0.34	-24.89	5230.06
7	6	-5230.06	20.60	-2.90e-03	0.0	0.0	-285.54	29.03	81.94	0.34	-798.78	-5516.47
		-5516.47	-798.78	-2.78e-04	0.0	10.0	-283.09	29.03	81.94	0.34	20.60	-5230.06
7	7	5516.47	20.60	2.90e-03	0.0	0.0	-285.54	-29.03	81.94	-0.34	-798.77	5516.47
		5230.06	-798.77	-2.78e-04	0.0	10.0	-283.09	-29.03	81.94	-0.34	20.60	5230.06
7	8	-4664.52	700.78	-2.86e-03	0.0	0.0	-306.80	25.34	-72.56	-0.34	700.78	-4913.68
		-4913.68	-24.89	2.77e-04	0.0	10.0	-304.35	25.34	-72.56	-0.34	-24.89	-4664.52
7	9	4913.68	700.78	2.86e-03	0.0	0.0	-306.80	-25.34	-72.56	0.34	700.78	4913.68
		4664.52	-24.89	2.77e-04	0.0	10.0	-304.35	-25.34	-72.56	0.34	-24.89	4664.52
7	10	-4664.52	20.60	-2.86e-03	0.0	0.0	-285.54	25.34	81.94	-0.34	-798.78	-4913.68
		-4913.68	-798.78	-2.78e-04	0.0	10.0	-283.09	25.34	81.94	-0.34	20.60	-4664.52
7	11	4913.68	20.60	2.86e-03	0.0	0.0	-285.54	-25.34	81.94	0.34	-798.77	4913.68
		4664.52	-798.77	-2.78e-04	0.0	10.0	-283.09	-25.34	81.94	0.34	20.60	4664.52
7	12	-5230.06	700.78	-2.90e-03	0.0	0.0	-306.80	29.03	-72.56	0.34	700.78	-5516.47

		-5516.47	-24.88	2.77e-04	0.0	10.0	-304.35	29.03	-72.56	0.34	-24.88	-5230.06
7	13	5516.47	700.78	2.90e-03	0.0	0.0	-306.80	-29.03	-72.56	-0.34	700.78	5516.47
		5230.06	-24.89	2.77e-04	0.0	10.0	-304.35	-29.03	-72.56	-0.34	-24.89	5230.06
7	14	-5230.06	20.60	-2.90e-03	0.0	0.0	-285.54	29.03	81.94	0.34	-798.78	-5516.47
		-5516.47	-798.78	-2.78e-04	0.0	10.0	-283.09	29.03	81.94	0.34	20.60	-5230.06
7	15	5516.47	20.60	2.90e-03	0.0	0.0	-285.54	-29.03	81.94	-0.34	-798.77	5516.47
		5230.06	-798.77	-2.78e-04	0.0	10.0	-283.09	-29.03	81.94	-0.34	20.60	5230.06
7	16	-4664.52	700.78	-2.86e-03	0.0	0.0	-306.80	25.34	-72.56	-0.34	700.78	-4913.68
		-4913.68	-24.89	2.77e-04	0.0	10.0	-304.35	25.34	-72.56	-0.34	-24.89	-4664.52
7	17	4913.68	700.78	2.86e-03	0.0	0.0	-306.80	-25.34	-72.56	0.34	700.78	4913.68
		4664.52	-24.89	2.77e-04	0.0	10.0	-304.35	-25.34	-72.56	0.34	-24.89	4664.52
7	18	-4664.52	20.60	-2.86e-03	0.0	0.0	-285.54	25.34	81.94	-0.34	-798.78	-4913.68
		-4913.68	-798.78	-2.78e-04	0.0	10.0	-283.09	25.34	81.94	-0.34	20.60	-4664.52
7	19	4913.68	20.60	2.86e-03	0.0	0.0	-285.54	-25.34	81.94	0.34	-798.77	4913.68
		4664.52	-798.77	-2.78e-04	0.0	10.0	-283.09	-25.34	81.94	0.34	20.60	4664.52
7	20	-1.743e+04	175.93	-9.68e-03	0.0	0.0	-299.36	96.77	-18.49	1.15	175.93	-1.839e+04
		-1.839e+04	-8.96	8.29e-05	0.0	10.0	-296.91	96.77	-18.49	1.15	-8.96	-1.743e+04
7	21	1.839e+04	175.94	9.68e-03	0.0	0.0	-299.36	-96.77	-18.49	-1.15	175.94	1.839e+04
		1.743e+04	-8.96	8.29e-05	0.0	10.0	-296.91	-96.77	-18.49	-1.15	-8.96	1.743e+04
7	22	-1.743e+04	4.68	-9.68e-03	0.0	0.0	-292.98	96.77	27.86	1.15	-273.94	-1.839e+04
		-1.839e+04	-273.94	-8.36e-05	0.0	10.0	-290.53	96.77	27.86	1.15	4.68	-1.743e+04
7	23	1.839e+04	4.68	9.68e-03	0.0	0.0	-292.98	-96.77	27.86	-1.15	-273.92	1.839e+04
		1.743e+04	-273.92	-8.36e-05	0.0	10.0	-290.53	-96.77	27.86	-1.15	4.68	1.743e+04
7	24	-1.743e+04	175.93	-9.68e-03	0.0	0.0	-299.36	96.77	-18.49	1.15	175.93	-1.839e+04
		-1.839e+04	-8.96	8.29e-05	0.0	10.0	-296.91	96.77	-18.49	1.15	-8.96	-1.743e+04
7	25	1.839e+04	175.94	9.68e-03	0.0	0.0	-299.36	-96.77	-18.49	-1.15	175.94	1.839e+04
		1.743e+04	-8.96	8.29e-05	0.0	10.0	-296.91	-96.77	-18.49	-1.15	-8.96	1.743e+04
7	26	-1.743e+04	4.68	-9.68e-03	0.0	0.0	-292.98	96.77	27.86	1.15	-273.94	-1.839e+04
		-1.839e+04	-273.94	-8.36e-05	0.0	10.0	-290.53	96.77	27.86	1.15	4.68	-1.743e+04
7	27	1.839e+04	4.68	9.68e-03	0.0	0.0	-292.98	-96.77	27.86	-1.15	-273.92	1.839e+04
		1.743e+04	-273.92	-8.36e-05	0.0	10.0	-290.53	-96.77	27.86	-1.15	4.68	1.743e+04
7	28	-1.555e+04	175.93	-9.54e-03	0.0	0.0	-299.36	84.47	-18.49	-1.13	175.93	-1.638e+04
		-1.638e+04	-8.96	8.29e-05	0.0	10.0	-296.91	84.47	-18.49	-1.13	-8.96	-1.555e+04
7	29	1.638e+04	175.94	9.54e-03	0.0	0.0	-299.36	-84.47	-18.49	1.13	175.94	1.638e+04
		1.555e+04	-8.96	8.29e-05	0.0	10.0	-296.91	-84.47	-18.49	1.13	-8.96	1.555e+04
7	30	-1.555e+04	4.68	-9.54e-03	0.0	0.0	-292.98	84.47	27.86	-1.13	-273.94	-1.638e+04
		-1.638e+04	-273.94	-8.36e-05	0.0	10.0	-290.53	84.47	27.86	-1.13	4.68	-1.555e+04
7	31	1.638e+04	4.68	9.54e-03	0.0	0.0	-292.98	-84.47	27.86	1.13	-273.92	1.638e+04
		1.555e+04	-273.92	-8.36e-05	0.0	10.0	-290.53	-84.47	27.86	1.13	4.68	1.555e+04
7	32	-1.555e+04	175.93	-9.54e-03	0.0	0.0	-299.36	84.47	-18.49	-1.13	175.93	-1.638e+04
		-1.638e+04	-8.96	8.29e-05	0.0	10.0	-296.91	84.47	-18.49	-1.13	-8.96	-1.555e+04
7	33	1.638e+04	175.94	9.54e-03	0.0	0.0	-299.36	-84.47	-18.49	1.13	175.94	1.638e+04
		1.555e+04	-8.96	8.29e-05	0.0	10.0	-296.91	-84.47	-18.49	1.13	-8.96	1.555e+04
7	34	-1.555e+04	4.68	-9.54e-03	0.0	0.0	-292.98	84.47	27.86	-1.13	-273.94	-1.638e+04
		-1.638e+04	-273.94	-8.36e-05	0.0	10.0	-290.53	84.47	27.86	-1.13	4.68	-1.555e+04
7	35	1.638e+04	4.68	9.54e-03	0.0	0.0	-292.98	-84.47	27.86	1.13	-273.92	1.638e+04
		1.555e+04	-273.92	-8.36e-05	0.0	10.0	-290.53	-84.47	27.86	1.13	4.68	1.555e+04
7	36	-5381.67	652.20	-3.11e-03	0.0	0.0	-305.87	30.54	-67.56	0.33	652.20	-5684.44
		-5684.44	-23.40	2.61e-04	0.0	10.0	-303.42	30.54	-67.56	0.33	-23.40	-5381.67
7	37	5684.44	652.20	3.11e-03	0.0	0.0	-305.87	-30.54	-67.56	-0.33	652.20	5684.44
		5381.67	-23.40	2.61e-04	0.0	10.0	-303.42	-30.54	-67.56	-0.33	-23.40	5381.67
7	38	-5381.67	19.12	-3.11e-03	0.0	0.0	-286.47	30.54	76.93	0.33	-750.19	-5684.44
		-5684.44	-750.19	-2.61e-04	0.0	10.0	-284.02	30.54	76.93	0.33	19.12	-5381.67
7	39	5684.44	19.12	3.11e-03	0.0	0.0	-286.47	-30.54	76.93	-0.33	-750.19	5684.44
		5381.67	-750.19	-2.61e-04	0.0	10.0	-284.02	-30.54	76.93	-0.33	19.12	5381.67
7	40	-4714.43	652.20	-3.07e-03	0.0	0.0	-305.87	26.43	-67.56	-0.33	652.20	-4975.84
		-4975.84	-23.40	2.61e-04	0.0	10.0	-303.42	26.43	-67.56	-0.33	-23.40	-4714.43
7	41	4975.84	652.20	3.07e-03	0.0	0.0	-305.87	-26.43	-67.56	0.33	652.20	4975.84
		-4714.43	19.12	-3.07e-03	0.0	0.0	-286.47	26.43	76.93	-0.33	-750.19	-4975.84
7	42	-4975.84	-750.19	-2.61e-04	0.0	10.0	-284.02	26.43	76.93	-0.33	19.12	-4714.43
		4975.84	19.12	3.07e-03	0.0	0.0	-286.47	-26.43	76.93	0.33	-750.19	4975.84
7	43	4714.43	-750.19	-2.61e-04	0.0	10.0	-284.02	-26.43	76.93	0.33	19.12	4714.43
		-5381.67	652.20	-3.11e-03	0.0	0.0	-305.87	30.54	-67.56	0.33	652.20	-5684.44
7	44	-5684.44	-23.40	2.61e-04	0.0	10.0	-303.42	30.54	-67.56	0.33	-23.40	-5381.67
		5684.44	652.20	3.11e-03	0.0	0.0	-305.87	-30.54	-67.56	-0.33	652.20	5684.44
7	45	5381.67	-23.40	2.61e-04	0.0	10.0	-303.42	-30.54	-67.56	-0.33	-23.40	5381.67
		-5381.67	19.12	-3.11e-03	0.0	0.0	-286.47	30.54	76.93	0.33	-750.19	-5684.44
7	46	-5684.44	-750.19	-2.61e-04	0.0	10.0	-284.02	30.54	76.93	0.33	19.12	-5381.67
		5684.44	19.12	3.11e-03	0.0	0.0	-286.47	-30.54	76.93	-0.33	-750.19	5684.44
7	47	5381.67	-750.19	-2.61e-04	0.0	10.0	-284.02	-30.54	76.93	-0.33	19.12	5381.67
		-4714.43	652.20	-3.07e-03	0.0	0.0	-305.87	26.43	-67.56	-0.33	652.20	-4975.84
7	48	-4975.84	-23.40	2.61e-04	0.0	10.0	-303.42	26.43	-67.56	-0.33	-23.40	-4714.43
		4975.84	652.20	3.07e-03	0.0	0.0	-305.87	-26.43	-67.56	0.33	652.20	4975.84
7	49	4714.43	-23.40	2.61e-04	0.0	10.0	-303.42	-26.43	-67.56	0.33	-23.40	4714.43
		-4714.43	19.12	-3.07e-03	0.0	0.0	-286.47	26.43	76.93	-0.33	-750.19	-4975.84
7	50	-4714.43	19.12	-3.07e-03	0.0	0.0	-286.47	26.43	76.93	-0.33	-750.19	-4975.84

		-4975.84	-750.19	-2.61e-04	0.0	10.0	-284.02	26.43	76.93	-0.33	19.12	-4714.43
7	51	4975.84	19.12	3.07e-03	0.0	0.0	-286.47	-26.43	76.93	0.33	-750.19	4975.84
		4714.43	-750.19	-2.61e-04	0.0	10.0	-284.02	-26.43	76.93	0.33	19.12	4714.43
7	52	-1.794e+04	161.36	-0.01	0.0	0.0	-299.08	101.80	-16.99	1.11	161.36	-1.895e+04
		-1.895e+04	-8.52	7.79e-05	0.0	10.0	-296.63	101.80	-16.99	1.11	-8.52	-1.794e+04
7	53	1.895e+04	161.37	0.01	0.0	0.0	-299.08	-101.80	-16.99	-1.11	161.37	1.895e+04
		1.794e+04	-8.52	7.79e-05	0.0	10.0	-296.63	-101.80	-16.99	-1.11	-8.52	1.794e+04
7	54	-1.794e+04	4.24	-0.01	0.0	0.0	-293.26	101.80	26.36	1.11	-259.36	-1.895e+04
		-1.895e+04	-259.36	-7.87e-05	0.0	10.0	-290.81	101.80	26.36	1.11	4.24	-1.794e+04
7	55	1.895e+04	4.24	0.01	0.0	0.0	-293.26	-101.80	26.36	-1.11	-259.35	1.895e+04
		1.794e+04	-259.35	-7.87e-05	0.0	10.0	-290.81	-101.80	26.36	-1.11	4.24	1.794e+04
7	56	-1.794e+04	161.36	-0.01	0.0	0.0	-299.08	101.80	-16.99	1.11	161.36	-1.895e+04
		-1.895e+04	-8.52	7.79e-05	0.0	10.0	-296.63	101.80	-16.99	1.11	-8.52	-1.794e+04
7	57	1.895e+04	161.37	0.01	0.0	0.0	-299.08	-101.80	-16.99	-1.11	161.37	1.895e+04
		1.794e+04	-8.52	7.79e-05	0.0	10.0	-296.63	-101.80	-16.99	-1.11	-8.52	1.794e+04
7	58	-1.794e+04	4.24	-0.01	0.0	0.0	-293.26	101.80	26.36	1.11	-259.36	-1.895e+04
		-1.895e+04	-259.36	-7.87e-05	0.0	10.0	-290.81	101.80	26.36	1.11	4.24	-1.794e+04
7	59	1.895e+04	4.24	0.01	0.0	0.0	-293.26	-101.80	26.36	-1.11	-259.35	1.895e+04
		1.794e+04	-259.35	-7.87e-05	0.0	10.0	-290.81	-101.80	26.36	-1.11	4.24	1.794e+04
7	60	-1.571e+04	161.36	-0.01	0.0	0.0	-299.08	88.09	-16.99	-1.11	161.36	-1.659e+04
		-1.659e+04	-8.52	7.79e-05	0.0	10.0	-296.63	88.09	-16.99	-1.11	-8.52	-1.571e+04
7	61	1.659e+04	161.36	0.01	0.0	0.0	-299.08	-88.09	-16.99	1.11	161.36	1.659e+04
		1.571e+04	-8.52	7.79e-05	0.0	10.0	-296.63	-88.09	-16.99	1.11	-8.52	1.571e+04
7	62	-1.571e+04	4.24	-0.01	0.0	0.0	-293.26	88.09	26.36	-1.11	-259.36	-1.659e+04
		-1.659e+04	-259.36	-7.87e-05	0.0	10.0	-290.81	88.09	26.36	-1.11	4.24	-1.571e+04
7	63	1.659e+04	4.24	0.01	0.0	0.0	-293.26	-88.09	26.36	1.11	-259.35	1.659e+04
		1.571e+04	-259.35	-7.87e-05	0.0	10.0	-290.81	-88.09	26.36	1.11	4.24	1.571e+04
7	64	-1.571e+04	161.36	-0.01	0.0	0.0	-299.08	88.09	-16.99	-1.11	161.36	-1.659e+04
		-1.659e+04	-8.52	7.79e-05	0.0	10.0	-296.63	88.09	-16.99	-1.11	-8.52	-1.571e+04
7	65	1.659e+04	161.36	0.01	0.0	0.0	-299.08	-88.09	-16.99	1.11	161.36	1.659e+04
		1.571e+04	-8.52	7.79e-05	0.0	10.0	-296.63	-88.09	-16.99	1.11	-8.52	1.571e+04
7	66	-1.571e+04	4.24	-0.01	0.0	0.0	-293.26	88.09	26.36	-1.11	-259.36	-1.659e+04
		-1.659e+04	-259.36	-7.87e-05	0.0	10.0	-290.81	88.09	26.36	-1.11	4.24	-1.571e+04
7	67	1.659e+04	4.24	0.01	0.0	0.0	-293.26	-88.09	26.36	1.11	-259.35	1.659e+04
		1.571e+04	-259.35	-7.87e-05	0.0	10.0	-290.81	-88.09	26.36	1.11	4.24	1.571e+04
7	68	-1.753e+04	-2.14	-4.87e-03	0.0	0.0	-296.17	145.51	4.69	15.84	-49.00	-1.899e+04
		-1.899e+04	-49.00	0.0	0.0	10.0	-293.72	145.51	4.69	15.84	-2.14	-1.753e+04
7	69	0.0	-2.14	0.0	0.0	0.0	-296.17	0.0	4.69	0.0	-49.00	0.0
		0.0	-49.00	0.0	0.0	10.0	-293.72	0.0	4.69	0.0	-2.14	0.0
7	70	0.0	-2.14	0.0	0.0	0.0	-296.17	0.0	4.69	0.0	-49.00	0.0
		0.0	-49.00	0.0	0.0	10.0	-293.72	0.0	4.69	0.0	-2.14	0.0
8	1	292.29	0.0	-1.78	0.0	0.0	-140.97	768.97	0.06	-18.21	-2.78	-1.173e+05
		-1.173e+05	-2.78	1.20e-05	0.0	240.0	-64.56	768.97	0.06	-18.21	0.0	292.29
8	2	292.29	0.0	-1.78	0.0	0.0	-108.44	768.97	0.05	-18.21	-2.14	-1.173e+05
		-1.173e+05	-2.14	9.25e-06	0.0	240.0	-49.66	768.97	0.05	-18.21	0.0	292.29
8	3	194.86	0.0	-1.18	0.0	0.0	-108.44	512.64	0.05	-12.14	-2.14	-7.818e+04
		-7.818e+04	-2.14	9.25e-06	0.0	240.0	-49.66	512.64	0.05	-12.14	0.0	194.86
8	4	-1424.56	-4.40e-05	-0.09	0.0	0.0	-109.53	0.70	0.14	1.22	-24.88	-1592.00
		-1592.00	-24.88	6.54e-03	0.0	240.0	-50.75	0.70	0.14	1.22	-4.40e-05	-1424.56
8	5	1592.00	-4.40e-05	0.09	0.0	0.0	-109.53	-0.70	0.14	-1.22	-24.89	1592.00
		1424.56	-24.89	6.54e-03	0.0	240.0	-50.75	-0.70	0.14	-1.22	-4.40e-05	1424.56
8	6	-1424.56	20.60	-0.09	0.0	0.0	-107.35	0.70	-0.05	1.22	20.60	-1592.00
		-1592.00	4.27e-05	-6.54e-03	0.0	240.0	-48.56	0.70	-0.05	1.22	4.27e-05	-1424.56
8	7	1592.00	20.60	0.09	0.0	0.0	-107.35	-0.70	-0.05	-1.22	20.60	1592.00
		1424.56	4.27e-05	-6.54e-03	0.0	240.0	-48.56	-0.70	-0.05	-1.22	4.27e-05	1424.56
8	8	-1279.46	-4.40e-05	-0.09	0.0	0.0	-109.53	0.60	0.14	-0.92	-24.88	-1424.14
		-1424.14	-24.88	6.54e-03	0.0	240.0	-50.75	0.60	0.14	-0.92	-4.40e-05	-1279.46
8	9	1424.14	-4.40e-05	0.09	0.0	0.0	-109.53	-0.60	0.14	0.92	-24.89	1424.14
		1279.46	-24.89	6.54e-03	0.0	240.0	-50.75	-0.60	0.14	0.92	-4.40e-05	1279.46
8	10	-1279.46	20.60	-0.09	0.0	0.0	-107.35	0.60	-0.05	-0.92	20.60	-1424.14
		-1424.14	4.27e-05	-6.54e-03	0.0	240.0	-48.56	0.60	-0.05	-0.92	4.27e-05	-1279.46
8	11	1424.14	20.60	0.09	0.0	0.0	-107.35	-0.60	-0.05	0.92	20.60	1424.14
		1279.46	4.27e-05	-6.54e-03	0.0	240.0	-48.57	-0.60	-0.05	0.92	4.27e-05	1279.46
8	12	-1424.56	-4.40e-05	-0.09	0.0	0.0	-109.53	0.70	0.14	1.22	-24.88	-1592.00
		-1592.00	-24.88	6.54e-03	0.0	240.0	-50.75	0.70	0.14	1.22	-4.40e-05	-1424.56
8	13	1592.00	-4.40e-05	0.09	0.0	0.0	-109.53	-0.70	0.14	-1.22	-24.89	1592.00
		1424.56	-24.89	6.54e-03	0.0	240.0	-50.75	-0.70	0.14	-1.22	-4.40e-05	1424.56
8	14	-1424.56	20.60	-0.09	0.0	0.0	-107.35	0.70	-0.05	1.22	20.60	-1592.00
		-1592.00	4.27e-05	-6.54e-03	0.0	240.0	-48.56	0.70	-0.05	1.22	4.27e-05	-1424.56
8	15	1592.00	20.60	0.09	0.0	0.0	-107.35	-0.70	-0.05	-1.22	20.60	1592.00
		1424.56	4.27e-05	-6.54e-03	0.0	240.0	-48.56	-0.70	-0.05	-1.22	4.27e-05	1424.56
8	16	-1279.46	-4.40e-05	-0.09	0.0	0.0	-109.53	0.60	0.14	-0.92	-24.88	-1424.14
		-1424.14	-24.88	6.54e-03	0.0	240.0	-50.75	0.60	0.14	-0.92	-4.40e-05	-1279.46
8	17	1424.14	-4.40e-05	0.09	0.0	0.0	-109.53	-0.60	0.14	0.92	-24.89	1424.14
		1279.46	-24.89	6.54e-03	0.0	240.0	-50.75	-0.60	0.14	0.92	-4.40e-05	1279.46

8	18	-1279.46	20.60	-0.09	0.0	0.0	-107.35	0.60	-0.05	-0.92	20.60	-1424.14
		-1424.14	4.27e-05	-6.54e-03	0.0	240.0	-48.56	0.60	-0.05	-0.92	4.27e-05	-1279.46
8	19	1424.14	20.60	0.09	0.0	0.0	-107.35	-0.60	-0.05	0.92	20.60	1424.14
		1279.46	4.27e-05	-6.54e-03	0.0	240.0	-48.57	-0.60	-0.05	0.92	4.27e-05	1279.46
8	20	-4748.55	-1.37e-05	-0.30	0.0	0.0	-108.77	2.33	0.08	4.06	-8.96	-5306.68
		-5306.68	-8.96	1.96e-03	0.0	240.0	-49.99	2.33	0.08	4.06	-1.37e-05	-4748.55
8	21	5306.68	-1.37e-05	0.30	0.0	0.0	-108.77	-2.33	0.08	-4.06	-8.96	5306.68
		4748.55	-8.96	1.96e-03	0.0	240.0	-49.99	-2.33	0.08	-4.06	-1.37e-05	4748.55
8	22	-4748.55	4.68	-0.30	0.0	0.0	-108.11	2.33	0.02	4.06	4.68	-5306.68
		-5306.68	1.23e-05	-1.96e-03	0.0	240.0	-49.33	2.33	0.02	4.06	1.23e-05	-4748.55
8	23	5306.68	4.68	0.30	0.0	0.0	-108.11	-2.33	0.02	-4.06	4.68	5306.68
		4748.55	1.23e-05	-1.96e-03	0.0	240.0	-49.33	-2.33	0.02	-4.06	1.23e-05	4748.55
8	24	-4748.55	-1.37e-05	-0.30	0.0	0.0	-108.77	2.33	0.08	4.06	-8.96	-5306.68
		-5306.68	-8.96	1.96e-03	0.0	240.0	-49.99	2.33	0.08	4.06	-1.37e-05	-4748.55
8	25	5306.68	-1.37e-05	0.30	0.0	0.0	-108.77	-2.33	0.08	-4.06	-8.96	5306.68
		4748.55	-8.96	1.96e-03	0.0	240.0	-49.99	-2.33	0.08	-4.06	-1.37e-05	4748.55
8	26	-4748.55	4.68	-0.30	0.0	0.0	-108.11	2.33	0.02	4.06	4.68	-5306.68
		-5306.68	1.23e-05	-1.96e-03	0.0	240.0	-49.33	2.33	0.02	4.06	1.23e-05	-4748.55
8	27	5306.68	4.68	0.30	0.0	0.0	-108.11	-2.33	0.02	-4.06	4.68	5306.68
		4748.55	1.23e-05	-1.96e-03	0.0	240.0	-49.33	-2.33	0.02	-4.06	1.23e-05	4748.55
8	28	-4264.88	-1.37e-05	-0.29	0.0	0.0	-108.77	2.01	0.08	-3.06	-8.96	-4747.12
		-4747.12	-8.96	1.96e-03	0.0	240.0	-49.98	2.01	0.08	-3.06	-1.37e-05	-4264.88
8	29	4747.12	-1.37e-05	0.29	0.0	0.0	-108.77	-2.01	0.08	3.06	-8.96	4747.12
		4264.88	-8.96	1.96e-03	0.0	240.0	-49.99	-2.01	0.08	3.06	-1.37e-05	4264.88
8	30	-4264.88	4.68	-0.29	0.0	0.0	-108.11	2.01	0.02	-3.06	4.68	-4747.12
		-4747.12	1.23e-05	-1.96e-03	0.0	240.0	-49.33	2.01	0.02	-3.06	1.23e-05	-4264.88
8	31	4747.12	4.68	0.29	0.0	0.0	-108.11	-2.01	0.02	3.06	4.68	4747.12
		4264.88	1.23e-05	-1.96e-03	0.0	240.0	-49.33	-2.01	0.02	3.06	1.23e-05	4264.88
8	32	-4264.88	-1.37e-05	-0.29	0.0	0.0	-108.77	2.01	0.08	-3.06	-8.96	-4747.12
		-4747.12	-8.96	1.96e-03	0.0	240.0	-49.98	2.01	0.08	-3.06	-1.37e-05	-4264.88
8	33	4747.12	-1.37e-05	0.29	0.0	0.0	-108.77	-2.01	0.08	3.06	-8.96	4747.12
		4264.88	-8.96	1.96e-03	0.0	240.0	-49.99	-2.01	0.08	3.06	-1.37e-05	4264.88
8	34	-4264.88	4.68	-0.29	0.0	0.0	-108.11	2.01	0.02	-3.06	4.68	-4747.12
		-4747.12	1.23e-05	-1.96e-03	0.0	240.0	-49.33	2.01	0.02	-3.06	1.23e-05	-4264.88
8	35	4747.12	4.68	0.29	0.0	0.0	-108.11	-2.01	0.02	3.06	4.68	4747.12
		4264.88	1.23e-05	-1.96e-03	0.0	240.0	-49.33	-2.01	0.02	3.06	1.23e-05	4264.88
8	36	-1465.49	-4.04e-05	-0.10	0.0	0.0	-109.44	0.72	0.14	1.08	-23.40	-1637.41
		-1637.41	-23.40	6.13e-03	0.0	240.0	-50.66	0.72	0.14	1.08	-4.04e-05	-1465.49
8	37	1637.41	-4.04e-05	0.10	0.0	0.0	-109.44	-0.72	0.14	-1.08	-23.40	1637.41
		1465.49	-23.40	6.13e-03	0.0	240.0	-50.66	-0.72	0.14	-1.08	-4.04e-05	1465.49
8	38	-1465.49	19.12	-0.10	0.0	0.0	-107.44	0.72	-0.04	1.08	19.12	-1637.41
		-1637.41	3.90e-05	-6.13e-03	0.0	240.0	-48.66	0.72	-0.04	1.08	3.90e-05	-1465.49
8	39	1637.41	19.12	0.10	0.0	0.0	-107.44	-0.72	-0.04	-1.08	19.12	1637.41
		1465.49	3.90e-05	-6.13e-03	0.0	240.0	-48.66	-0.72	-0.04	-1.08	3.90e-05	1465.49
8	40	-1288.27	-4.04e-05	-0.09	0.0	0.0	-109.44	0.61	0.14	-0.76	-23.40	-1433.46
		-1433.46	-23.40	6.13e-03	0.0	240.0	-50.66	0.61	0.14	-0.76	-4.04e-05	-1288.27
8	41	1433.46	-4.04e-05	0.09	0.0	0.0	-109.44	-0.61	0.14	0.76	-23.40	1433.46
		1288.27	-23.40	6.13e-03	0.0	240.0	-50.66	-0.61	0.14	0.76	-4.04e-05	1288.27
8	42	-1288.27	19.12	-0.09	0.0	0.0	-107.44	0.61	-0.04	-0.76	19.12	-1433.46
		-1433.46	3.90e-05	-6.13e-03	0.0	240.0	-48.66	0.61	-0.04	-0.76	3.90e-05	-1288.27
8	43	1433.46	19.12	0.09	0.0	0.0	-107.44	-0.61	-0.04	0.76	19.12	1433.46
		1288.27	3.90e-05	-6.13e-03	0.0	240.0	-48.66	-0.61	-0.04	0.76	3.90e-05	1288.27
8	44	-1465.49	-4.04e-05	-0.10	0.0	0.0	-109.44	0.72	0.14	1.08	-23.40	-1637.41
		-1637.41	-23.40	6.13e-03	0.0	240.0	-50.66	0.72	0.14	1.08	-4.04e-05	-1465.49
8	45	1637.41	-4.04e-05	0.10	0.0	0.0	-109.44	-0.72	0.14	-1.08	-23.40	1637.41
		1465.49	-23.40	6.13e-03	0.0	240.0	-50.66	-0.72	0.14	-1.08	-4.04e-05	1465.49
8	46	-1465.49	19.12	-0.10	0.0	0.0	-107.44	0.72	-0.04	1.08	19.12	-1637.41
		-1637.41	3.90e-05	-6.13e-03	0.0	240.0	-48.66	0.72	-0.04	1.08	3.90e-05	-1465.49
8	47	1637.41	19.12	0.10	0.0	0.0	-107.44	-0.72	-0.04	-1.08	19.12	1637.41
		1465.49	3.90e-05	-6.13e-03	0.0	240.0	-48.66	-0.72	-0.04	-1.08	3.90e-05	1465.49
8	48	-1288.27	-4.04e-05	-0.09	0.0	0.0	-109.44	0.61	0.14	-0.76	-23.40	-1433.46
		-1433.46	-23.40	6.13e-03	0.0	240.0	-50.66	0.61	0.14	-0.76	-4.04e-05	-1288.27
8	49	1433.46	-4.04e-05	0.09	0.0	0.0	-109.44	-0.61	0.14	0.76	-23.40	1433.46
		1288.27	-23.40	6.13e-03	0.0	240.0	-50.66	-0.61	0.14	0.76	-4.04e-05	1288.27
8	50	-1288.27	19.12	-0.09	0.0	0.0	-107.44	0.61	-0.04	-0.76	19.12	-1433.46
		-1433.46	3.90e-05	-6.13e-03	0.0	240.0	-48.66	0.61	-0.04	-0.76	3.90e-05	-1288.27
8	51	1433.46	19.12	0.09	0.0	0.0	-107.44	-0.61	-0.04	0.76	19.12	1433.46
		1288.27	3.90e-05	-6.13e-03	0.0	240.0	-48.66	-0.61	-0.04	0.76	3.90e-05	1288.27
8	52	-4884.96	-1.26e-05	-0.32	0.0	0.0	-108.74	2.39	0.08	3.59	-8.52	-5458.04
		-5458.04	-8.52	1.84e-03	0.0	240.0	-49.96	2.39	0.08	3.59	-1.26e-05	-4884.96
8	53	5458.04	-1.26e-05	0.32	0.0	0.0	-108.74	-2.39	0.08	-3.59	-8.52	5458.04
		4884.96	-8.52	1.84e-03	0.0	240.0	-49.96	-2.39	0.08	-3.59	-1.26e-05	4884.96
8	54	-4884.96	4.24	-0.32	0.0	0.0	-108.14	2.39	0.02	3.59	4.24	-5458.04
		-5458.04	1.12e-05	-1.84e-03	0.0	240.0	-49.36	2.39	0.02	3.59	1.12e-05	-4884.96
8	55	5458.04	4.24	0.32	0.0	0.0	-108.14	-2.39	0.02	-3.59	4.24	5458.04

8	56	4884.96	1.12e-05	-1.84e-03	0.0	240.0	-49.36	-2.39	0.02	-3.59	1.12e-05	4884.96
		-4884.96	-1.26e-05	-0.32	0.0	0.0	-108.74	2.39	0.08	3.59	-8.52	-5458.04
		-5458.04	-8.52	1.84e-03	0.0	240.0	-49.96	2.39	0.08	3.59	-1.26e-05	-4884.96
8	57	5458.04	-1.26e-05	0.32	0.0	0.0	-108.74	-2.39	0.08	-3.59	-8.52	5458.04
		4884.96	-8.52	1.84e-03	0.0	240.0	-49.96	-2.39	0.08	-3.59	-1.26e-05	4884.96
8	58	-4884.96	4.24	-0.32	0.0	0.0	-108.14	2.39	0.02	3.59	4.24	-5458.04
		-5458.04	1.12e-05	-1.84e-03	0.0	240.0	-49.36	2.39	0.02	3.59	1.12e-05	-4884.96
8	59	5458.04	4.24	0.32	0.0	0.0	-108.14	-2.39	0.02	-3.59	4.24	5458.04
		4884.96	1.12e-05	-1.84e-03	0.0	240.0	-49.36	-2.39	0.02	-3.59	1.12e-05	4884.96
8	60	-4294.23	-1.26e-05	-0.31	0.0	0.0	-108.74	2.02	0.08	-2.54	-8.52	-4778.20
		-4778.20	-8.52	1.84e-03	0.0	240.0	-49.96	2.02	0.08	-2.54	-1.26e-05	-4294.23
8	61	4778.20	-1.26e-05	0.31	0.0	0.0	-108.74	-2.02	0.08	2.54	-8.52	4778.20
		4294.23	-8.52	1.84e-03	0.0	240.0	-49.96	-2.02	0.08	2.54	-1.26e-05	4294.23
8	62	-4294.23	4.24	-0.31	0.0	0.0	-108.14	2.02	0.02	-2.54	4.24	-4778.20
		-4778.20	1.12e-05	-1.84e-03	0.0	240.0	-49.36	2.02	0.02	-2.54	1.12e-05	-4294.23
8	63	4778.20	4.24	0.31	0.0	0.0	-108.14	-2.02	0.02	2.54	4.24	4778.20
		4294.23	1.12e-05	-1.84e-03	0.0	240.0	-49.36	-2.02	0.02	2.54	1.12e-05	4294.23
8	64	-4294.23	-1.26e-05	-0.31	0.0	0.0	-108.74	2.02	0.08	-2.54	-8.52	-4778.20
		-4778.20	-8.52	1.84e-03	0.0	240.0	-49.96	2.02	0.08	-2.54	-1.26e-05	-4294.23
8	66	4294.23	-8.52	1.84e-03	0.0	240.0	-49.96	-2.02	0.08	2.54	-1.26e-05	4294.23
		-4294.23	4.24	-0.31	0.0	0.0	-108.14	2.02	0.02	-2.54	4.24	-4778.20
		-4778.20	1.12e-05	-1.84e-03	0.0	240.0	-49.36	2.02	0.02	-2.54	1.12e-05	-4294.23
8	67	4778.20	4.24	0.31	0.0	0.0	-108.14	-2.02	0.02	2.54	4.24	4778.20
		4294.23	1.12e-05	-1.84e-03	0.0	240.0	-49.36	-2.02	0.02	2.54	1.12e-05	4294.23
8	68	38.97	0.0	-0.24	0.0	0.0	-108.44	102.53	0.05	-2.43	-2.14	-1.564e+04
		-1.564e+04	-2.14	9.25e-06	0.0	240.0	-49.66	102.53	0.05	-2.43	0.0	38.97
8	69	0.0	0.0	0.0	0.0	0.0	-108.44	0.0	0.05	0.0	-2.14	0.0
		0.0	-2.14	9.25e-06	0.0	240.0	-49.66	0.0	0.05	0.0	0.0	0.0
8	70	0.0	0.0	0.0	0.0	0.0	-108.44	0.0	0.05	0.0	-2.14	0.0
		0.0	-2.14	9.25e-06	0.0	240.0	-49.66	0.0	0.05	0.0	0.0	0.0
9	1	-1.245e+05	-13.31	-0.04	0.0	0.0	-386.57	1065.02	17.19	581.39	-185.19	-1.352e+05
		-1.352e+05	-185.19	-1.35e-06	0.0	10.0	-383.38	1065.02	17.19	581.39	-13.31	-1.245e+05
9	2	-1.245e+05	-10.24	-0.04	0.0	0.0	-297.36	1065.02	13.22	581.39	-142.46	-1.352e+05
		-1.352e+05	-142.46	-1.04e-06	0.0	10.0	-294.91	1065.02	13.22	581.39	-10.24	-1.245e+05
9	3	-8.301e+04	-10.24	-0.02	0.0	0.0	-297.36	710.01	13.22	387.59	-142.46	-9.011e+04
		-9.011e+04	-142.46	-1.04e-06	0.0	10.0	-294.91	710.01	13.22	387.59	-10.24	-8.301e+04
9	4	-5653.90	315.08	-2.93e-03	0.0	0.0	-325.32	31.26	-33.82	0.24	315.08	-5961.58
		-5961.58	-23.16	2.70e-04	0.0	10.0	-322.88	31.26	-33.82	0.24	-23.16	-5653.90
9	5	5961.58	315.07	2.93e-03	0.0	0.0	-325.32	-31.26	-33.82	-0.24	315.07	5961.58
		5653.90	-23.16	2.70e-04	0.0	10.0	-322.88	-31.26	-33.82	-0.24	-23.16	5653.90
9	6	-5653.90	2.69	-2.93e-03	0.0	0.0	-269.39	31.26	60.26	0.24	-599.99	-5961.58
		-5961.58	-599.99	-2.72e-04	0.0	10.0	-266.94	31.26	60.26	0.24	2.69	-5653.90
9	7	5961.58	2.69	2.93e-03	0.0	0.0	-269.39	-31.26	60.26	-0.24	-599.99	5961.58
		5653.90	-599.99	-2.72e-04	0.0	10.0	-266.94	-31.26	60.26	-0.24	2.69	5653.90
9	8	-3849.12	315.09	-2.83e-03	0.0	0.0	-325.32	21.15	-33.82	-0.29	315.09	-4057.18
		-4057.18	-23.16	2.70e-04	0.0	10.0	-322.88	21.15	-33.82	-0.29	-23.16	-3849.12
9	9	4057.18	315.07	2.83e-03	0.0	0.0	-325.32	-21.15	-33.82	0.29	315.07	4057.18
		3849.12	-23.16	2.70e-04	0.0	10.0	-322.88	-21.15	-33.82	0.29	-23.16	3849.12
9	10	-3849.12	2.69	-2.83e-03	0.0	0.0	-269.39	21.15	60.26	-0.29	-599.98	-4057.18
		-4057.18	-599.98	-2.72e-04	0.0	10.0	-266.94	21.15	60.26	-0.29	2.69	-3849.12
9	11	4057.18	2.69	2.83e-03	0.0	0.0	-269.39	-21.15	60.27	0.29	-600.00	4057.18
		3849.12	-600.00	-2.72e-04	0.0	10.0	-266.94	-21.15	60.27	0.29	2.69	3849.12
9	12	-5653.90	315.08	-2.93e-03	0.0	0.0	-325.32	31.26	-33.82	0.24	315.08	-5961.58
		-5961.58	-23.16	2.70e-04	0.0	10.0	-322.88	31.26	-33.82	0.24	-23.16	-5653.90
9	13	5961.58	315.07	2.93e-03	0.0	0.0	-325.32	-31.26	-33.82	-0.24	315.07	5961.58
		5653.90	-23.16	2.70e-04	0.0	10.0	-322.88	-31.26	-33.82	-0.24	-23.16	5653.90
9	14	-5653.90	2.69	-2.93e-03	0.0	0.0	-269.39	31.26	60.26	0.24	-599.99	-5961.58
		-5961.58	-599.99	-2.72e-04	0.0	10.0	-266.94	31.26	60.26	0.24	2.69	-5653.90
9	15	5961.58	2.69	2.93e-03	0.0	0.0	-269.39	-31.26	60.26	-0.24	-599.99	5961.58
		5653.90	-599.99	-2.72e-04	0.0	10.0	-266.94	-31.26	60.26	-0.24	2.69	5653.90
9	16	-3849.12	315.09	-2.83e-03	0.0	0.0	-325.32	21.15	-33.82	-0.29	315.09	-4057.18
		-4057.18	-23.16	2.70e-04	0.0	10.0	-322.88	21.15	-33.82	-0.29	-23.16	-3849.12
9	17	4057.18	315.07	2.83e-03	0.0	0.0	-325.32	-21.15	-33.82	0.29	315.07	4057.18
		3849.12	-23.16	2.70e-04	0.0	10.0	-322.88	-21.15	-33.82	0.29	-23.16	3849.12
9	18	-3849.12	2.69	-2.83e-03	0.0	0.0	-269.39	21.15	60.26	-0.29	-599.98	-4057.18
		-4057.18	-599.98	-2.72e-04	0.0	10.0	-266.94	21.15	60.26	-0.29	2.69	-3849.12
9	19	4057.18	2.69	2.83e-03	0.0	0.0	-269.39	-21.15	60.27	0.29	-600.00	4057.18
		3849.12	-600.00	-2.72e-04	0.0	10.0	-266.94	-21.15	60.27	0.29	2.69	3849.12
9	20	-1.885e+04	-5.18	-9.78e-03	0.0	0.0	-305.75	104.21	-0.89	0.79	-5.18	-1.987e+04
		-1.987e+04	-14.12	8.04e-05	0.0	10.0	-303.30	104.21	-0.89	0.79	-14.12	-1.885e+04
9	21	1.987e+04	-5.21	9.78e-03	0.0	0.0	-305.75	-104.21	-0.89	-0.79	-5.21	1.987e+04
		1.885e+04	-14.11	8.04e-05	0.0	10.0	-303.30	-104.21	-0.89	-0.79	-14.11	1.885e+04
9	22	-1.885e+04	-6.36	-9.78e-03	0.0	0.0	-288.97	104.21	27.33	0.79	-279.70	-1.987e+04
		-1.987e+04	-279.70	-8.24e-05	0.0	10.0	-286.52	104.21	27.33	0.79	-6.36	-1.885e+04
9	23	1.987e+04	-6.36	9.78e-03	0.0	0.0	-288.97	-104.21	27.34	-0.79	-279.73	1.987e+04

		1.885e+04	-279.73	-8.24e-05	0.0	10.0	-286.52	-104.21	27.34	-0.79	-6.36	1.885e+04
9	24	-1.885e+04	-5.18	-9.78e-03	0.0	0.0	-305.75	104.21	-0.89	0.79	-5.18	-1.987e+04
		-1.987e+04	-14.12	8.04e-05	0.0	10.0	-303.30	104.21	-0.89	0.79	-14.12	-1.885e+04
9	25	1.987e+04	-5.21	9.78e-03	0.0	0.0	-305.75	-104.21	-0.89	-0.79	-5.21	1.987e+04
		1.885e+04	-14.11	8.04e-05	0.0	10.0	-303.30	-104.21	-0.89	-0.79	-14.11	1.885e+04
9	26	-1.885e+04	-6.36	-9.78e-03	0.0	0.0	-288.97	104.21	27.33	0.79	-279.70	-1.987e+04
		-1.987e+04	-279.70	-8.24e-05	0.0	10.0	-286.52	104.21	27.33	0.79	-6.36	-1.885e+04
9	27	1.987e+04	-6.36	9.78e-03	0.0	0.0	-288.97	-104.21	27.34	-0.79	-279.73	1.987e+04
		1.885e+04	-279.73	-8.24e-05	0.0	10.0	-286.52	-104.21	27.34	-0.79	-6.36	1.885e+04
9	28	-1.283e+04	-5.17	-9.42e-03	0.0	0.0	-305.75	70.50	-0.89	-0.98	-5.17	-1.352e+04
		-1.352e+04	-14.12	8.04e-05	0.0	10.0	-303.30	70.50	-0.89	-0.98	-14.12	-1.283e+04
9	29	1.352e+04	-5.23	9.42e-03	0.0	0.0	-305.75	-70.50	-0.89	0.98	-5.23	1.352e+04
		1.283e+04	-14.11	8.04e-05	0.0	10.0	-303.30	-70.50	-0.89	0.98	-14.11	1.283e+04
9	30	-1.283e+04	-6.36	-9.42e-03	0.0	0.0	-288.97	70.50	27.33	-0.98	-279.69	-1.352e+04
		-1.352e+04	-279.69	-8.24e-05	0.0	10.0	-286.52	70.50	27.33	-0.98	-6.36	-1.283e+04
9	31	1.352e+04	-6.36	9.42e-03	0.0	0.0	-288.97	-70.50	27.34	0.98	-279.73	1.352e+04
		1.283e+04	-279.73	-8.24e-05	0.0	10.0	-286.52	-70.50	27.34	0.98	-6.36	1.283e+04
9	32	-1.283e+04	-5.17	-9.42e-03	0.0	0.0	-305.75	70.50	-0.89	-0.98	-5.17	-1.352e+04
		-1.352e+04	-14.12	8.04e-05	0.0	10.0	-303.30	70.50	-0.89	-0.98	-14.12	-1.283e+04
9	33	1.352e+04	-5.23	9.42e-03	0.0	0.0	-305.75	-70.50	-0.89	0.98	-5.23	1.352e+04
		1.283e+04	-14.11	8.04e-05	0.0	10.0	-303.30	-70.50	-0.89	0.98	-14.11	1.283e+04
9	34	-1.283e+04	-6.36	-9.42e-03	0.0	0.0	-288.97	70.50	27.33	-0.98	-279.69	-1.352e+04
		-1.352e+04	-279.69	-8.24e-05	0.0	10.0	-286.52	70.50	27.33	-0.98	-6.36	-1.283e+04
9	35	1.352e+04	-6.36	9.42e-03	0.0	0.0	-288.97	-70.50	27.34	0.98	-279.73	1.352e+04
		1.283e+04	-279.73	-8.24e-05	0.0	10.0	-286.52	-70.50	27.34	0.98	-6.36	1.283e+04
9	36	-5814.16	285.44	-3.15e-03	0.0	0.0	-322.57	32.92	-30.77	0.22	285.44	-6139.92
		-6139.92	-22.32	2.54e-04	0.0	10.0	-320.12	32.92	-30.77	0.22	-22.32	-5814.16
9	37	6139.92	285.43	3.15e-03	0.0	0.0	-322.57	-32.92	-30.77	-0.22	285.43	6139.92
		5814.16	-22.32	2.54e-04	0.0	10.0	-320.12	-32.92	-30.77	-0.22	-22.32	5814.16
9	38	-5814.16	1.85	-3.15e-03	0.0	0.0	-272.14	32.92	57.22	0.22	-570.35	-6139.92
		-6139.92	-570.35	-2.56e-04	0.0	10.0	-269.69	32.92	57.22	0.22	1.85	-5814.16
9	39	6139.92	1.85	3.15e-03	0.0	0.0	-272.14	-32.92	57.22	-0.22	-570.35	6139.92
		5814.16	-570.35	-2.56e-04	0.0	10.0	-269.69	-32.92	57.22	-0.22	1.85	5814.16
9	40	-3887.21	285.44	-3.03e-03	0.0	0.0	-322.57	22.06	-30.77	-0.27	285.44	-4105.57
		-4105.57	-22.32	2.54e-04	0.0	10.0	-320.12	22.06	-30.77	-0.27	-22.32	-3887.21
9	41	4105.57	285.43	3.03e-03	0.0	0.0	-322.57	-22.06	-30.77	0.27	285.43	4105.57
		3887.21	-22.32	2.54e-04	0.0	10.0	-320.12	-22.06	-30.77	0.27	-22.32	3887.21
9	42	-3887.21	1.85	-3.03e-03	0.0	0.0	-272.14	22.06	57.22	-0.27	-570.34	-4105.57
		-4105.57	-570.34	-2.56e-04	0.0	10.0	-269.69	22.06	57.22	-0.27	1.85	-3887.21
9	43	4105.57	1.85	3.03e-03	0.0	0.0	-272.14	-22.06	57.22	0.27	-570.35	4105.57
		3887.21	-570.35	-2.56e-04	0.0	10.0	-269.69	-22.06	57.22	0.27	1.85	3887.21
9	44	-5814.16	285.44	-3.15e-03	0.0	0.0	-322.57	32.92	-30.77	0.22	285.44	-6139.92
		-6139.92	-22.32	2.54e-04	0.0	10.0	-320.12	32.92	-30.77	0.22	-22.32	-5814.16
9	45	6139.92	285.43	3.15e-03	0.0	0.0	-322.57	-32.92	-30.77	-0.22	285.43	6139.92
		5814.16	-22.32	2.54e-04	0.0	10.0	-320.12	-32.92	-30.77	-0.22	-22.32	5814.16
9	46	-5814.16	1.85	-3.15e-03	0.0	0.0	-272.14	32.92	57.22	0.22	-570.35	-6139.92
		-6139.92	-570.35	-2.56e-04	0.0	10.0	-269.69	32.92	57.22	0.22	1.85	-5814.16
9	47	6139.92	1.85	3.15e-03	0.0	0.0	-272.14	-32.92	57.22	-0.22	-570.35	6139.92
		5814.16	-570.35	-2.56e-04	0.0	10.0	-269.69	-32.92	57.22	-0.22	1.85	5814.16
9	48	-3887.21	285.44	-3.03e-03	0.0	0.0	-322.57	22.06	-30.77	-0.27	285.44	-4105.57
		-4105.57	-22.32	2.54e-04	0.0	10.0	-320.12	22.06	-30.77	-0.27	-22.32	-3887.21
9	49	4105.57	285.43	3.03e-03	0.0	0.0	-322.57	-22.06	-30.77	0.27	285.43	4105.57
		3887.21	-22.32	2.54e-04	0.0	10.0	-320.12	-22.06	-30.77	0.27	-22.32	3887.21
9	50	-3887.21	1.85	-3.03e-03	0.0	0.0	-272.14	22.06	57.22	-0.27	-570.34	-4105.57
		-4105.57	-570.34	-2.56e-04	0.0	10.0	-269.69	22.06	57.22	-0.27	1.85	-3887.21
9	51	4105.57	1.85	3.03e-03	0.0	0.0	-272.14	-22.06	57.22	0.27	-570.35	4105.57
		3887.21	-570.35	-2.56e-04	0.0	10.0	-269.69	-22.06	57.22	0.27	1.85	3887.21
9	52	-1.938e+04	-13.86	-0.01	0.0	0.0	-304.92	109.73	0.02	0.73	-14.08	-2.047e+04
		-2.047e+04	-14.08	7.56e-05	0.0	10.0	-302.47	109.73	0.02	0.73	-13.86	-1.938e+04
9	53	2.047e+04	-13.86	0.01	0.0	0.0	-304.92	-109.73	0.02	-0.73	-14.10	2.047e+04
		1.938e+04	-14.10	7.56e-05	0.0	10.0	-302.47	-109.73	0.02	-0.73	-13.86	1.938e+04
9	54	-1.938e+04	-6.61	-0.01	0.0	0.0	-289.79	109.73	26.42	0.73	-270.82	-2.047e+04
		-2.047e+04	-270.82	-7.76e-05	0.0	10.0	-287.34	109.73	26.42	0.73	-6.61	-1.938e+04
9	55	2.047e+04	-6.61	0.01	0.0	0.0	-289.79	-109.73	26.42	-0.73	-270.83	2.047e+04
		1.938e+04	-270.83	-7.76e-05	0.0	10.0	-287.34	-109.73	26.42	-0.73	-6.61	1.938e+04
9	56	-1.938e+04	-13.86	-0.01	0.0	0.0	-304.92	109.73	0.02	0.73	-14.08	-2.047e+04
		-2.047e+04	-14.08	7.56e-05	0.0	10.0	-302.47	109.73	0.02	0.73	-13.86	-1.938e+04
9	57	2.047e+04	-13.86	0.01	0.0	0.0	-304.92	-109.73	0.02	-0.73	-14.10	2.047e+04
		1.938e+04	-14.10	7.56e-05	0.0	10.0	-302.47	-109.73	0.02	-0.73	-13.86	1.938e+04
9	58	-1.938e+04	-6.61	-0.01	0.0	0.0	-289.79	109.73	26.42	0.73	-270.82	-2.047e+04
		-2.047e+04	-270.82	-7.76e-05	0.0	10.0	-287.34	109.73	26.42	0.73	-6.61	-1.938e+04
9	59	2.047e+04	-6.61	0.01	0.0	0.0	-289.79	-109.73	26.42	-0.73	-270.83	2.047e+04
		1.938e+04	-270.83	-7.76e-05	0.0	10.0	-287.34	-109.73	26.42	-0.73	-6.61	1.938e+04
9	60	-1.296e+04	-13.86	-0.01	0.0	0.0	-304.92	73.52	0.02	-0.89	-14.07	-1.369e+04
		-1.369e+04	-14.07	7.56e-05	0.0	10.0	-302.47	73.52	0.02	-0.89	-13.86	-1.296e+04



9	61	1.369e+04	-13.86	0.01	0.0	0.0	-304.92	-73.52	0.03	0.89	-14.10	1.369e+04
		1.296e+04	-14.10	7.56e-05	0.0	10.0	-302.47	-73.52	0.03	0.89	-13.86	1.296e+04
9	62	-1.296e+04	-6.61	-0.01	0.0	0.0	-289.79	73.52	26.42	-0.89	-270.81	-1.369e+04
		-1.369e+04	-270.81	-7.76e-05	0.0	10.0	-287.34	73.52	26.42	-0.89	-6.61	-1.296e+04
9	63	1.369e+04	-6.61	0.01	0.0	0.0	-289.79	-73.52	26.42	0.89	-270.84	1.369e+04
		1.296e+04	-270.84	-7.76e-05	0.0	10.0	-287.34	-73.52	26.42	0.89	-6.61	1.296e+04
9	64	-1.296e+04	-13.86	-0.01	0.0	0.0	-304.92	73.52	0.02	-0.89	-14.07	-1.369e+04
		-1.369e+04	-14.07	7.56e-05	0.0	10.0	-302.47	73.52	0.02	-0.89	-13.86	-1.296e+04
9	65	1.369e+04	-13.86	0.01	0.0	0.0	-304.92	-73.52	0.03	0.89	-14.10	1.369e+04
		1.296e+04	-14.10	7.56e-05	0.0	10.0	-302.47	-73.52	0.03	0.89	-13.86	1.296e+04
9	66	-1.296e+04	-6.61	-0.01	0.0	0.0	-289.79	73.52	26.42	-0.89	-270.81	-1.369e+04
		-1.369e+04	-270.81	-7.76e-05	0.0	10.0	-287.34	73.52	26.42	-0.89	-6.61	-1.296e+04
9	67	1.369e+04	-6.61	0.01	0.0	0.0	-289.79	-73.52	26.42	0.89	-270.84	1.369e+04
		1.296e+04	-270.84	-7.76e-05	0.0	10.0	-287.34	-73.52	26.42	0.89	-6.61	1.296e+04
9	68	-1.660e+04	-10.24	-4.84e-03	0.0	0.0	-297.36	142.00	13.22	77.52	-142.46	-1.802e+04
		-1.802e+04	-142.46	-1.04e-06	0.0	10.0	-294.91	142.00	13.22	77.52	-10.24	-1.660e+04
9	69	0.0	-10.24	0.0	0.0	0.0	-297.36	0.0	13.22	0.0	-142.46	0.0
		0.0	-142.46	-1.04e-06	0.0	10.0	-294.91	0.0	13.22	0.0	-10.24	0.0
9	70	0.0	-10.24	0.0	0.0	0.0	-297.36	0.0	13.22	0.0	-142.46	0.0
		0.0	-142.46	-1.04e-06	0.0	10.0	-294.91	0.0	13.22	0.0	-10.24	0.0
10	1	693.52	-3.06e-06	-1.76	0.0	0.0	-139.67	668.43	0.26	-108.01	-13.31	-1.100e+05
		-1.100e+05	-13.31	5.46e-05	0.0	240.0	-63.26	668.43	0.26	-108.01	-3.06e-06	693.52
10	2	693.52	-2.36e-06	-1.76	0.0	0.0	-107.44	668.43	0.20	-108.01	-10.24	-1.100e+05
		-1.100e+05	-10.24	4.20e-05	0.0	240.0	-48.66	668.43	0.20	-108.01	-2.36e-06	693.52
10	3	462.35	-2.36e-06	-1.17	0.0	0.0	-107.44	445.62	0.20	-72.01	-10.24	-7.332e+04
		-7.332e+04	-10.24	4.20e-05	0.0	240.0	-48.66	445.62	0.20	-72.01	-2.36e-06	462.35
10	4	-1577.33	-4.61e-05	-0.09	0.0	0.0	-109.66	0.68	0.26	-0.71	-23.16	-1734.96
		-1734.96	-23.16	6.48e-03	0.0	240.0	-50.88	0.68	0.26	-0.71	-4.61e-05	-1577.33
10	5	1734.96	-4.61e-05	0.09	0.0	0.0	-109.66	-0.68	0.26	0.71	-23.16	1734.96
		1577.33	-23.16	6.48e-03	0.0	240.0	-50.88	-0.68	0.26	0.71	-4.61e-05	1577.33
10	6	-1577.33	2.69	-0.09	0.0	0.0	-105.22	0.68	0.15	-0.71	2.69	-1734.96
		-1734.96	4.14e-05	-6.50e-03	0.0	240.0	-46.44	0.68	0.15	-0.71	4.14e-05	-1577.33
10	7	1734.96	2.69	0.09	0.0	0.0	-105.22	-0.68	0.15	0.71	2.69	1734.96
		1577.33	4.14e-05	-6.50e-03	0.0	240.0	-46.44	-0.68	0.15	0.71	4.14e-05	1577.33
10	8	-1073.03	-4.61e-05	-0.08	0.0	0.0	-109.66	0.52	0.26	-1.07	-23.16	-1194.33
		-1194.33	-23.16	6.48e-03	0.0	240.0	-50.88	0.52	0.26	-1.07	-4.61e-05	-1073.03
10	9	1194.33	-4.61e-05	0.08	0.0	0.0	-109.66	-0.52	0.26	1.07	-23.16	1194.33
		1073.03	-23.16	6.48e-03	0.0	240.0	-50.88	-0.52	0.26	1.07	-4.61e-05	1073.03
10	10	-1073.03	2.69	-0.08	0.0	0.0	-105.22	0.52	0.15	-1.07	2.69	-1194.33
		-1194.33	4.14e-05	-6.50e-03	0.0	240.0	-46.44	0.52	0.15	-1.07	4.14e-05	-1073.03
10	11	1194.33	2.69	0.08	0.0	0.0	-105.22	-0.52	0.15	1.07	2.69	1194.33
		1073.03	4.14e-05	-6.50e-03	0.0	240.0	-46.44	-0.52	0.15	1.07	4.14e-05	1073.03
10	12	-1577.33	-4.61e-05	-0.09	0.0	0.0	-109.66	0.68	0.26	-0.71	-23.16	-1734.96
		-1734.96	-23.16	6.48e-03	0.0	240.0	-50.88	0.68	0.26	-0.71	-4.61e-05	-1577.33
10	13	1734.96	-4.61e-05	0.09	0.0	0.0	-109.66	-0.68	0.26	0.71	-23.16	1734.96
		1577.33	-23.16	6.48e-03	0.0	240.0	-50.88	-0.68	0.26	0.71	-4.61e-05	1577.33
10	14	-1577.33	2.69	-0.09	0.0	0.0	-105.22	0.68	0.15	-0.71	2.69	-1734.96
		-1734.96	4.14e-05	-6.50e-03	0.0	240.0	-46.44	0.68	0.15	-0.71	4.14e-05	-1577.33
10	15	1734.96	2.69	0.09	0.0	0.0	-105.22	-0.68	0.15	0.71	2.69	1734.96
		1577.33	4.14e-05	-6.50e-03	0.0	240.0	-46.44	-0.68	0.15	0.71	4.14e-05	1577.33
10	16	-1073.03	-4.61e-05	-0.08	0.0	0.0	-109.66	0.52	0.26	-1.07	-23.16	-1194.33
		-1194.33	-23.16	6.48e-03	0.0	240.0	-50.88	0.52	0.26	-1.07	-4.61e-05	-1073.03
10	17	1194.33	-4.61e-05	0.08	0.0	0.0	-109.66	-0.52	0.26	1.07	-23.16	1194.33
		1073.03	-23.16	6.48e-03	0.0	240.0	-50.88	-0.52	0.26	1.07	-4.61e-05	1073.03
10	18	-1073.03	2.69	-0.08	0.0	0.0	-105.22	0.52	0.15	-1.07	2.69	-1194.33
		-1194.33	4.14e-05	-6.50e-03	0.0	240.0	-46.44	0.52	0.15	-1.07	4.14e-05	-1073.03
10	19	1194.33	2.69	0.08	0.0	0.0	-105.22	-0.52	0.15	1.07	2.69	1194.33
		1073.03	4.14e-05	-6.50e-03	0.0	240.0	-46.44	-0.52	0.15	1.07	4.14e-05	1073.03
10	20	-5257.75	-1.55e-05	-0.31	0.0	0.0	-108.11	2.27	0.22	-2.37	-14.12	-5783.20
		-5783.20	-14.12	1.94e-03	0.0	240.0	-49.33	2.27	0.22	-2.37	-1.55e-05	-5257.75
10	21	5783.20	-1.55e-05	0.31	0.0	0.0	-108.11	-2.27	0.22	2.37	-14.12	5783.20
		5257.75	-14.11	1.94e-03	0.0	240.0	-49.33	-2.27	0.22	2.37	-1.55e-05	5257.75
10	22	-5257.75	1.08e-05	-0.31	0.0	0.0	-106.77	2.27	0.19	-2.37	-6.36	-5783.20
		-5783.20	-6.36	-1.96e-03	0.0	240.0	-47.99	2.27	0.19	-2.37	1.08e-05	-5257.75
10	23	5783.20	1.08e-05	0.31	0.0	0.0	-106.77	-2.27	0.19	2.37	-6.36	5783.20
		5257.75	-6.36	-1.96e-03	0.0	240.0	-47.99	-2.27	0.19	2.37	1.08e-05	5257.75
10	24	-5257.75	-1.55e-05	-0.31	0.0	0.0	-108.11	2.27	0.22	-2.37	-14.12	-5783.20
		-5783.20	-14.12	1.94e-03	0.0	240.0	-49.33	2.27	0.22	-2.37	-1.55e-05	-5257.75
10	25	5783.20	-1.55e-05	0.31	0.0	0.0	-108.11	-2.27	0.22	2.37	-14.12	5783.20
		5257.75	-14.11	1.94e-03	0.0	240.0	-49.33	-2.27	0.22	2.37	-1.55e-05	5257.75
10	26	-5257.75	1.08e-05	-0.31	0.0	0.0	-106.77	2.27	0.19	-2.37	-6.36	-5783.20
		-5783.20	-6.36	-1.96e-03	0.0	240.0	-47.99	2.27	0.19	-2.37	1.08e-05	-5257.75
10	27	5783.20	1.08e-05	0.31	0.0	0.0	-106.77	-2.27	0.19	2.37	-6.36	5783.20
		5257.75	-6.36	-1.96e-03	0.0	240.0	-47.99	-2.27	0.19	2.37	1.08e-05	5257.75
10	28	-3576.76	-1.55e-05	-0.28	0.0	0.0	-108.11	1.73	0.22	-3.57	-14.12	-3981.10

		-3981.10	-14.12	1.94e-03	0.0	240.0	-49.33	1.73	0.22	-3.57	-1.55e-05	-3576.76
10	29	3981.10	-1.55e-05	0.28	0.0	0.0	-108.11	-1.73	0.22	3.57	-14.11	3981.10
		3576.76	-14.11	1.94e-03	0.0	240.0	-49.33	-1.73	0.22	3.57	-1.55e-05	3576.76
10	30	-3576.76	1.08e-05	-0.28	0.0	0.0	-106.77	1.73	0.19	-3.57	-6.36	-3981.10
		-3981.10	-6.36	-1.96e-03	0.0	240.0	-47.99	1.73	0.19	-3.57	1.08e-05	-3576.76
10	31	3981.10	1.08e-05	0.28	0.0	0.0	-106.78	-1.73	0.19	3.57	-6.36	3981.10
		3576.76	-6.36	-1.96e-03	0.0	240.0	-47.99	-1.73	0.19	3.57	1.08e-05	3576.76
10	32	-3576.76	-1.55e-05	-0.28	0.0	0.0	-108.11	1.73	0.22	-3.57	-14.12	-3981.10
		-3981.10	-14.12	1.94e-03	0.0	240.0	-49.33	1.73	0.22	-3.57	-1.55e-05	-3576.76
10	33	3981.10	-1.55e-05	0.28	0.0	0.0	-108.11	-1.73	0.22	3.57	-14.11	3981.10
		3576.76	-14.11	1.94e-03	0.0	240.0	-49.33	-1.73	0.22	3.57	-1.55e-05	3576.76
10	34	-3576.76	1.08e-05	-0.28	0.0	0.0	-106.77	1.73	0.19	-3.57	-6.36	-3981.10
		-3981.10	-6.36	-1.96e-03	0.0	240.0	-47.99	1.73	0.19	-3.57	1.08e-05	-3576.76
10	35	3981.10	1.08e-05	0.28	0.0	0.0	-106.78	-1.73	0.19	3.57	-6.36	3981.10
		3576.76	-6.36	-1.96e-03	0.0	240.0	-47.99	-1.73	0.19	3.57	1.08e-05	3576.76
10	36	-1621.24	-4.24e-05	-0.10	0.0	0.0	-109.45	0.69	0.25	-0.59	-22.32	-1782.27
		-1782.27	-22.32	6.08e-03	0.0	240.0	-50.67	0.69	0.25	-0.59	-4.24e-05	-1621.24
10	37	1782.27	-4.24e-05	0.10	0.0	0.0	-109.45	-0.69	0.25	0.59	-22.32	1782.27
		1621.24	-22.32	6.08e-03	0.0	240.0	-50.67	-0.69	0.25	0.59	-4.24e-05	1621.24
10	38	-1621.24	1.85	-0.10	0.0	0.0	-105.44	0.69	0.15	-0.59	1.85	-1782.27
		-1782.27	3.77e-05	-6.10e-03	0.0	240.0	-46.65	0.69	0.15	-0.59	3.77e-05	-1621.24
10	39	1782.27	1.85	0.10	0.0	0.0	-105.44	-0.69	0.15	0.59	1.85	1782.27
		1621.24	3.77e-05	-6.10e-03	0.0	240.0	-46.66	-0.69	0.15	0.59	3.77e-05	1621.24
10	40	-1080.08	-4.24e-05	-0.09	0.0	0.0	-109.45	0.50	0.25	-0.92	-22.32	-1198.89
		-1198.89	-22.32	6.08e-03	0.0	240.0	-50.67	0.50	0.25	-0.92	-4.24e-05	-1080.08
10	41	1198.89	-4.24e-05	0.09	0.0	0.0	-109.45	-0.50	0.25	0.92	-22.32	1198.89
		1080.08	-22.32	6.08e-03	0.0	240.0	-50.67	-0.50	0.25	0.92	-4.24e-05	1080.08
10	42	-1080.08	1.85	-0.09	0.0	0.0	-105.44	0.50	0.15	-0.92	1.85	-1198.89
		-1198.89	3.77e-05	-6.10e-03	0.0	240.0	-46.65	0.50	0.15	-0.92	3.77e-05	-1080.08
10	43	1198.89	1.85	0.09	0.0	0.0	-105.44	-0.50	0.15	0.92	1.85	1198.89
		1080.08	3.77e-05	-6.10e-03	0.0	240.0	-46.66	-0.50	0.15	0.92	3.77e-05	1080.08
10	44	-1621.24	-4.24e-05	-0.10	0.0	0.0	-109.45	0.69	0.25	-0.59	-22.32	-1782.27
		-1782.27	-22.32	6.08e-03	0.0	240.0	-50.67	0.69	0.25	-0.59	-4.24e-05	-1621.24
10	45	1782.27	-4.24e-05	0.10	0.0	0.0	-109.45	-0.69	0.25	0.59	-22.32	1782.27
		1621.24	-22.32	6.08e-03	0.0	240.0	-50.67	-0.69	0.25	0.59	-4.24e-05	1621.24
10	46	-1621.24	1.85	-0.10	0.0	0.0	-105.44	0.69	0.15	-0.59	1.85	-1782.27
		-1782.27	3.77e-05	-6.10e-03	0.0	240.0	-46.65	0.69	0.15	-0.59	3.77e-05	-1621.24
10	47	1782.27	1.85	0.10	0.0	0.0	-105.44	-0.69	0.15	0.59	1.85	1782.27
		1621.24	3.77e-05	-6.10e-03	0.0	240.0	-46.66	-0.69	0.15	0.59	3.77e-05	1621.24
10	48	-1080.08	-4.24e-05	-0.09	0.0	0.0	-109.45	0.50	0.25	-0.92	-22.32	-1198.89
		-1198.89	-22.32	6.08e-03	0.0	240.0	-50.67	0.50	0.25	-0.92	-4.24e-05	-1080.08
10	49	1198.89	-4.24e-05	0.09	0.0	0.0	-109.45	-0.50	0.25	0.92	-22.32	1198.89
		1080.08	-22.32	6.08e-03	0.0	240.0	-50.67	-0.50	0.25	0.92	-4.24e-05	1080.08
10	50	-1080.08	1.85	-0.09	0.0	0.0	-105.44	0.50	0.15	-0.92	1.85	-1198.89
		-1198.89	3.77e-05	-6.10e-03	0.0	240.0	-46.65	0.50	0.15	-0.92	3.77e-05	-1080.08
10	51	1198.89	1.85	0.09	0.0	0.0	-105.44	-0.50	0.15	0.92	1.85	1198.89
		1080.08	3.77e-05	-6.10e-03	0.0	240.0	-46.66	-0.50	0.15	0.92	3.77e-05	1080.08
10	52	-5404.14	-1.44e-05	-0.33	0.0	0.0	-108.04	2.29	0.22	-1.98	-13.86	-5940.90
		-5940.90	-13.86	1.82e-03	0.0	240.0	-49.26	2.29	0.22	-1.98	-1.44e-05	-5404.14
10	53	5940.90	-1.44e-05	0.33	0.0	0.0	-108.04	-2.29	0.22	1.98	-13.86	5940.90
		5404.14	-13.86	1.82e-03	0.0	240.0	-49.26	-2.29	0.22	1.98	-1.44e-05	5404.14
10	54	-5404.14	9.66e-06	-0.33	0.0	0.0	-106.84	2.29	0.19	-1.98	-6.61	-5940.90
		-5940.90	-6.61	-1.84e-03	0.0	240.0	-48.06	2.29	0.19	-1.98	9.66e-06	-5404.14
10	55	5940.90	9.66e-06	0.33	0.0	0.0	-106.84	-2.29	0.19	1.98	-6.61	5940.90
		5404.14	-6.61	-1.84e-03	0.0	240.0	-48.06	-2.29	0.19	1.98	9.66e-06	5404.14
10	56	-5404.14	-1.44e-05	-0.33	0.0	0.0	-108.04	2.29	0.22	-1.98	-13.86	-5940.90
		-5940.90	-13.86	1.82e-03	0.0	240.0	-49.26	2.29	0.22	-1.98	-1.44e-05	-5404.14
10	57	5940.90	-1.44e-05	0.33	0.0	0.0	-108.04	-2.29	0.22	1.98	-13.86	5940.90
		5404.14	-13.86	1.82e-03	0.0	240.0	-49.26	-2.29	0.22	1.98	-1.44e-05	5404.14
10	58	-5404.14	9.66e-06	-0.33	0.0	0.0	-106.84	2.29	0.19	-1.98	-6.61	-5940.90
		-5940.90	-6.61	-1.84e-03	0.0	240.0	-48.06	2.29	0.19	-1.98	9.66e-06	-5404.14
10	59	5940.90	9.66e-06	0.33	0.0	0.0	-106.84	-2.29	0.19	1.98	-6.61	5940.90
		5404.14	-6.61	-1.84e-03	0.0	240.0	-48.06	-2.29	0.19	1.98	9.66e-06	5404.14
10	60	-3600.28	-1.44e-05	-0.30	0.0	0.0	-108.04	1.68	0.22	-3.06	-13.86	-3996.30
		-3996.30	-13.86	1.82e-03	0.0	240.0	-49.26	1.68	0.22	-3.06	-1.44e-05	-3600.28
10	61	3996.30	-1.44e-05	0.30	0.0	0.0	-108.04	-1.68	0.22	3.06	-13.86	3996.30
		3600.28	-13.86	1.82e-03	0.0	240.0	-49.26	-1.68	0.22	3.06	-1.44e-05	3600.28
10	62	-3600.28	9.66e-06	-0.30	0.0	0.0	-106.84	1.68	0.19	-3.06	-6.61	-3996.30
		-3996.30	-6.61	-1.84e-03	0.0	240.0	-48.06	1.68	0.19	-3.06	9.66e-06	-3600.28
10	63	3996.30	9.66e-06	0.30	0.0	0.0	-106.84	-1.68	0.19	3.06	-6.61	3996.30
		3600.28	-6.61	-1.84e-03	0.0	240.0	-48.06	-1.68	0.19	3.06	9.66e-06	3600.28
10	64	-3600.28	-1.44e-05	-0.30	0.0	0.0	-108.04	1.68	0.22	-3.06	-13.86	-3996.30
		-3996.30	-13.86	1.82e-03	0.0	240.0	-49.26	1.68	0.22	-3.06	-1.44e-05	-3600.28
10	65	3996.30	-1.44e-05	0.30	0.0	0.0	-108.04	-1.68	0.22	3.06	-13.86	3996.30
		3600.28	-13.86	1.82e-03	0.0	240.0	-49.26	-1.68	0.22	3.06	-1.44e-05	3600.28

10	66	-3600.28	9.66e-06	-0.30	0.0	0.0	-106.84	1.68	0.19	-3.06	-6.61	-3996.30
		-3996.30	-6.61	-1.84e-03	0.0	240.0	-48.06	1.68	0.19	-3.06	9.66e-06	-3600.28
10	67	3996.30	9.66e-06	0.30	0.0	0.0	-106.84	-1.68	0.19	3.06	-6.61	3996.30
		3600.28	-6.61	-1.84e-03	0.0	240.0	-48.06	-1.68	0.19	3.06	9.66e-06	3600.28
10	68	92.47	-2.36e-06	-0.23	0.0	0.0	-107.44	89.12	0.20	-14.40	-10.24	-1.466e+04
		-1.466e+04	-10.24	4.20e-05	0.0	240.0	-48.66	89.12	0.20	-14.40	-2.36e-06	92.47
10	69	0.0	-2.36e-06	0.0	0.0	0.0	-107.44	0.0	0.20	0.0	-10.24	0.0
		0.0	-10.24	4.20e-05	0.0	240.0	-48.66	0.0	0.20	0.0	-2.36e-06	0.0
10	70	0.0	-2.36e-06	0.0	0.0	0.0	-107.44	0.0	0.20	0.0	-10.24	0.0
		0.0	-10.24	4.20e-05	0.0	240.0	-48.66	0.0	0.20	0.0	-2.36e-06	0.0
11	1	-6.798e+04	-90.41	-0.04	0.0	0.0	-216.01	543.62	26.04	1266.58	-350.78	-7.342e+04
		-7.342e+04	-350.78	5.95e-06	0.0	10.0	-212.83	543.62	26.04	1266.58	-90.41	-6.798e+04
11	2	-6.798e+04	-69.55	-0.04	0.0	0.0	-166.16	543.62	20.03	1266.58	-269.83	-7.342e+04
		-7.342e+04	-269.83	4.58e-06	0.0	10.0	-163.71	543.62	20.03	1266.58	-69.55	-6.798e+04
11	3	-4.532e+04	-69.55	-0.02	0.0	0.0	-166.16	362.42	20.03	844.38	-269.83	-4.895e+04
		-4.895e+04	-269.83	4.58e-06	0.0	10.0	-163.71	362.42	20.03	844.38	-69.55	-4.532e+04
11	4	-4221.80	-70.91	-2.91e-03	0.0	0.0	-197.12	22.56	11.05	-0.52	-179.17	-4443.13
		-4443.13	-179.17	2.66e-04	0.0	10.0	-194.67	22.56	11.05	-0.52	-70.91	-4221.80
11	5	4443.13	-70.91	2.91e-03	0.0	0.0	-197.12	-22.56	11.05	0.52	-179.17	4443.13
		4221.80	-179.17	2.66e-04	0.0	10.0	-194.67	-22.56	11.05	0.52	-70.91	4221.80
11	6	-4221.80	-68.19	-2.91e-03	0.0	0.0	-135.21	22.56	29.01	-0.52	-360.50	-4443.13
		-4443.13	-360.50	-2.59e-04	0.0	10.0	-132.76	22.56	29.01	-0.52	-68.19	-4221.80
11	7	4443.13	-68.19	2.91e-03	0.0	0.0	-135.21	-22.56	29.01	0.52	-360.50	4443.13
		4221.80	-360.50	-2.59e-04	0.0	10.0	-132.76	-22.56	29.01	0.52	-68.19	4221.80
11	8	-2220.45	-70.91	-2.78e-03	0.0	0.0	-197.12	11.76	11.05	-0.36	-179.16	-2336.20
		-2336.20	-179.16	2.66e-04	0.0	10.0	-194.67	11.76	11.05	-0.36	-70.91	-2220.45
11	9	2336.20	-70.91	2.78e-03	0.0	0.0	-197.12	-11.76	11.05	0.36	-179.18	2336.20
		2220.45	-179.18	2.66e-04	0.0	10.0	-194.67	-11.76	11.05	0.36	-70.91	2220.45
11	10	-2220.45	-68.19	-2.78e-03	0.0	0.0	-135.21	11.76	29.01	-0.36	-360.49	-2336.20
		-2336.20	-360.49	-2.59e-04	0.0	10.0	-132.76	11.76	29.01	-0.36	-68.19	-2220.45
11	11	2336.20	-68.19	2.78e-03	0.0	0.0	-135.21	-11.76	29.01	0.36	-360.50	2336.20
		2220.45	-360.50	-2.59e-04	0.0	10.0	-132.76	-11.76	29.01	0.36	-68.19	2220.45
11	12	-4221.80	-70.91	-2.91e-03	0.0	0.0	-197.12	22.56	11.05	-0.52	-179.17	-4443.13
		-4443.13	-179.17	2.66e-04	0.0	10.0	-194.67	22.56	11.05	-0.52	-70.91	-4221.80
11	13	4443.13	-70.91	2.91e-03	0.0	0.0	-197.12	-22.56	11.05	0.52	-179.17	4443.13
		4221.80	-179.17	2.66e-04	0.0	10.0	-194.67	-22.56	11.05	0.52	-70.91	4221.80
11	14	-4221.80	-68.19	-2.91e-03	0.0	0.0	-135.21	22.56	29.01	-0.52	-360.50	-4443.13
		-4443.13	-360.50	-2.59e-04	0.0	10.0	-132.76	22.56	29.01	-0.52	-68.19	-4221.80
11	15	4443.13	-68.19	2.91e-03	0.0	0.0	-135.21	-22.56	29.01	0.52	-360.50	4443.13
		4221.80	-360.50	-2.59e-04	0.0	10.0	-132.76	-22.56	29.01	0.52	-68.19	4221.80
11	16	-2220.45	-70.91	-2.78e-03	0.0	0.0	-197.12	11.76	11.05	-0.36	-179.16	-2336.20
		-2336.20	-179.16	2.66e-04	0.0	10.0	-194.67	11.76	11.05	-0.36	-70.91	-2220.45
11	17	2336.20	-70.91	2.78e-03	0.0	0.0	-197.12	-11.76	11.05	0.36	-179.18	2336.20
		2220.45	-179.18	2.66e-04	0.0	10.0	-194.67	-11.76	11.05	0.36	-70.91	2220.45
11	18	-2220.45	-68.19	-2.78e-03	0.0	0.0	-135.21	11.76	29.01	-0.36	-360.49	-2336.20
		-2336.20	-360.49	-2.59e-04	0.0	10.0	-132.76	11.76	29.01	-0.36	-68.19	-2220.45
11	19	2336.20	-68.19	2.78e-03	0.0	0.0	-135.21	-11.76	29.01	0.36	-360.50	2336.20
		2220.45	-360.50	-2.59e-04	0.0	10.0	-132.76	-11.76	29.01	0.36	-68.19	2220.45
11	20	-1.407e+04	-69.96	-9.71e-03	0.0	0.0	-175.45	75.20	17.33	-1.73	-242.63	-1.481e+04
		-1.481e+04	-242.63	8.25e-05	0.0	10.0	-173.00	75.20	17.33	-1.73	-69.96	-1.407e+04
11	21	1.481e+04	-69.96	9.71e-03	0.0	0.0	-175.45	-75.20	17.34	1.73	-242.64	1.481e+04
		1.407e+04	-242.64	8.25e-05	0.0	10.0	-173.00	-75.20	17.34	1.73	-69.96	1.407e+04
11	22	-1.407e+04	-69.14	-9.71e-03	0.0	0.0	-156.88	75.20	22.72	-1.73	-297.03	-1.481e+04
		-1.481e+04	-297.03	-7.52e-05	0.0	10.0	-154.43	75.20	22.72	-1.73	-69.14	-1.407e+04
11	23	1.481e+04	-69.14	9.71e-03	0.0	0.0	-156.87	-75.20	22.72	1.73	-297.04	1.481e+04
		1.407e+04	-297.04	-7.52e-05	0.0	10.0	-154.42	-75.20	22.72	1.73	-69.14	1.407e+04
11	24	-1.407e+04	-69.96	-9.71e-03	0.0	0.0	-175.45	75.20	17.33	-1.73	-242.63	-1.481e+04
		-1.481e+04	-242.63	8.25e-05	0.0	10.0	-173.00	75.20	17.33	-1.73	-69.96	-1.407e+04
11	25	1.481e+04	-69.96	9.71e-03	0.0	0.0	-175.45	-75.20	17.34	1.73	-242.64	1.481e+04
		1.407e+04	-242.64	8.25e-05	0.0	10.0	-173.00	-75.20	17.34	1.73	-69.96	1.407e+04
11	26	-1.407e+04	-69.14	-9.71e-03	0.0	0.0	-156.88	75.20	22.72	-1.73	-297.03	-1.481e+04
		-1.481e+04	-297.03	-7.52e-05	0.0	10.0	-154.43	75.20	22.72	-1.73	-69.14	-1.407e+04
11	27	1.481e+04	-69.14	9.71e-03	0.0	0.0	-156.87	-75.20	22.72	1.73	-297.04	1.481e+04
		1.407e+04	-297.04	-7.52e-05	0.0	10.0	-154.42	-75.20	22.72	1.73	-69.14	1.407e+04
11	28	-7401.50	-69.96	-9.27e-03	0.0	0.0	-175.45	39.19	17.33	-1.19	-242.62	-7787.32
		-7787.32	-242.62	8.25e-05	0.0	10.0	-173.00	39.19	17.33	-1.19	-69.96	-7401.50
11	29	7787.32	-69.96	9.27e-03	0.0	0.0	-175.45	-39.19	17.34	1.19	-242.65	7787.32
		7401.50	-242.65	8.25e-05	0.0	10.0	-173.00	-39.19	17.34	1.19	-69.96	7401.50
11	30	-7401.50	-69.14	-9.27e-03	0.0	0.0	-156.88	39.19	22.72	-1.19	-297.01	-7787.32
		-7787.32	-297.01	-7.52e-05	0.0	10.0	-154.43	39.19	22.72	-1.19	-69.14	-7401.50
11	31	7787.32	-69.14	9.27e-03	0.0	0.0	-156.87	-39.19	22.72	1.19	-297.05	7787.32
		7401.50	-297.05	-7.52e-05	0.0	10.0	-154.43	-39.19	22.72	1.19	-69.14	7401.50
11	32	-7401.50	-69.96	-9.27e-03	0.0	0.0	-175.45	39.19	17.33	-1.19	-242.62	-7787.32
		-7787.32	-242.62	8.25e-05	0.0	10.0	-173.00	39.19	17.33	-1.19	-69.96	-7401.50
11	33	7787.32	-69.96	9.27e-03	0.0	0.0	-175.45	-39.19	17.34	1.19	-242.65	7787.32

11	34	7401.50	-242.65	8.25e-05	0.0	10.0	-173.00	-39.19	17.34	1.19	-69.96	7401.50
		-7401.50	-69.14	-9.27e-03	0.0	0.0	-156.88	39.19	22.72	-1.19	-297.01	-7787.32
		-7787.32	-297.01	-7.52e-05	0.0	10.0	-154.43	39.19	22.72	-1.19	-69.14	-7401.50
11	35	7787.32	-69.14	9.27e-03	0.0	0.0	-156.87	-39.19	22.72	1.19	-297.05	7787.32
		7401.50	-297.05	-7.52e-05	0.0	10.0	-154.43	-39.19	22.72	1.19	-69.14	7401.50
11	36	-4196.22	-70.67	-3.12e-03	0.0	0.0	-193.94	23.27	11.63	-0.46	-185.04	-4425.85
		-4425.85	-185.04	2.51e-04	0.0	10.0	-191.49	23.27	11.63	-0.46	-70.67	-4196.22
11	37	4425.85	-70.67	3.12e-03	0.0	0.0	-193.94	-23.27	11.63	0.46	-185.04	4425.85
		4196.22	-185.04	2.51e-04	0.0	10.0	-191.49	-23.27	11.63	0.46	-70.67	4196.22
11	38	-4196.22	-68.42	-3.12e-03	0.0	0.0	-138.39	23.27	28.43	-0.46	-354.62	-4425.85
		-4425.85	-354.62	-2.44e-04	0.0	10.0	-135.94	23.27	28.43	-0.46	-68.42	-4196.22
11	39	4425.85	-68.42	3.12e-03	0.0	0.0	-138.39	-23.27	28.43	0.46	-354.63	4425.85
		4196.22	-354.63	-2.44e-04	0.0	10.0	-135.94	-23.27	28.43	0.46	-68.42	4196.22
11	40	-2131.29	-70.67	-2.98e-03	0.0	0.0	-193.94	11.83	11.63	-0.29	-185.04	-2248.39
		-2248.39	-185.04	2.51e-04	0.0	10.0	-191.49	11.83	11.63	-0.29	-70.67	-2131.29
11	41	2248.39	-70.67	2.98e-03	0.0	0.0	-193.94	-11.83	11.63	0.29	-185.05	2248.39
		2131.29	-185.05	2.51e-04	0.0	10.0	-191.49	-11.83	11.63	0.29	-70.67	2131.29
11	42	-2131.29	-68.42	-2.98e-03	0.0	0.0	-138.39	11.83	28.43	-0.29	-354.62	-2248.39
		-2248.39	-354.62	-2.44e-04	0.0	10.0	-135.94	11.83	28.43	-0.29	-68.42	-2131.29
11	43	2248.39	-68.42	2.98e-03	0.0	0.0	-138.39	-11.83	28.43	0.29	-354.63	2248.39
		2131.29	-354.63	-2.44e-04	0.0	10.0	-135.94	-11.83	28.43	0.29	-68.42	2131.29
11	44	-4196.22	-70.67	-3.12e-03	0.0	0.0	-193.94	23.27	11.63	-0.46	-185.04	-4425.85
		-4425.85	-185.04	2.51e-04	0.0	10.0	-191.49	23.27	11.63	-0.46	-70.67	-4196.22
11	45	4425.85	-70.67	3.12e-03	0.0	0.0	-193.94	-23.27	11.63	0.46	-185.04	4425.85
		4196.22	-185.04	2.51e-04	0.0	10.0	-191.49	-23.27	11.63	0.46	-70.67	4196.22
11	46	-4196.22	-68.42	-3.12e-03	0.0	0.0	-138.39	23.27	28.43	-0.46	-354.62	-4425.85
		-4425.85	-354.62	-2.44e-04	0.0	10.0	-135.94	23.27	28.43	-0.46	-68.42	-4196.22
11	47	4425.85	-68.42	3.12e-03	0.0	0.0	-138.39	-23.27	28.43	0.46	-354.63	4425.85
		4196.22	-354.63	-2.44e-04	0.0	10.0	-135.94	-23.27	28.43	0.46	-68.42	4196.22
11	48	-2131.29	-70.67	-2.98e-03	0.0	0.0	-193.94	11.83	11.63	-0.29	-185.04	-2248.39
		-2248.39	-185.04	2.51e-04	0.0	10.0	-191.49	11.83	11.63	-0.29	-70.67	-2131.29
11	49	2248.39	-70.67	2.98e-03	0.0	0.0	-193.94	-11.83	11.63	0.29	-185.05	2248.39
		2131.29	-185.05	2.51e-04	0.0	10.0	-191.49	-11.83	11.63	0.29	-70.67	2131.29
11	50	-2131.29	-68.42	-2.98e-03	0.0	0.0	-138.39	11.83	28.43	-0.29	-354.62	-2248.39
		-2248.39	-354.62	-2.44e-04	0.0	10.0	-135.94	11.83	28.43	-0.29	-68.42	-2131.29
11	51	2248.39	-68.42	2.98e-03	0.0	0.0	-138.39	-11.83	28.43	0.29	-354.63	2248.39
		2131.29	-354.63	-2.44e-04	0.0	10.0	-135.94	-11.83	28.43	0.29	-68.42	2131.29
11	52	-1.399e+04	-69.89	-0.01	0.0	0.0	-174.50	77.57	17.51	-1.54	-244.39	-1.475e+04
		-1.475e+04	-244.39	7.78e-05	0.0	10.0	-172.05	77.57	17.51	-1.54	-69.89	-1.399e+04
11	53	1.475e+04	-69.89	0.01	0.0	0.0	-174.49	-77.57	17.51	1.54	-244.40	1.475e+04
		1.399e+04	-244.40	7.78e-05	0.0	10.0	-172.05	-77.57	17.51	1.54	-69.89	1.399e+04
11	54	-1.399e+04	-69.21	-0.01	0.0	0.0	-157.83	77.57	22.55	-1.54	-295.27	-1.475e+04
		-1.475e+04	-295.27	-7.06e-05	0.0	10.0	-155.38	77.57	22.55	-1.54	-69.21	-1.399e+04
11	55	1.475e+04	-69.21	0.01	0.0	0.0	-157.83	-77.57	22.55	1.54	-295.27	1.475e+04
		1.399e+04	-295.27	-7.06e-05	0.0	10.0	-155.38	-77.57	22.55	1.54	-69.21	1.399e+04
11	56	-1.399e+04	-69.89	-0.01	0.0	0.0	-174.50	77.57	17.51	-1.54	-244.39	-1.475e+04
		-1.475e+04	-244.39	7.78e-05	0.0	10.0	-172.05	77.57	17.51	-1.54	-69.89	-1.399e+04
11	57	1.475e+04	-69.89	0.01	0.0	0.0	-174.49	-77.57	17.51	1.54	-244.40	1.475e+04
		1.399e+04	-244.40	7.78e-05	0.0	10.0	-172.05	-77.57	17.51	1.54	-69.89	1.399e+04
11	58	-1.399e+04	-69.21	-0.01	0.0	0.0	-157.83	77.57	22.55	-1.54	-295.27	-1.475e+04
		-1.475e+04	-295.27	-7.06e-05	0.0	10.0	-155.38	77.57	22.55	-1.54	-69.21	-1.399e+04
11	59	1.475e+04	-69.21	0.01	0.0	0.0	-157.83	-77.57	22.55	1.54	-295.27	1.475e+04
		1.399e+04	-295.27	-7.06e-05	0.0	10.0	-155.38	-77.57	22.55	1.54	-69.21	1.399e+04
11	60	-7104.29	-69.89	-9.94e-03	0.0	0.0	-174.50	39.42	17.51	-0.98	-244.39	-7494.62
		-7494.62	-244.39	7.78e-05	0.0	10.0	-172.05	39.42	17.51	-0.98	-69.89	-7104.29
11	61	7494.62	-69.89	9.94e-03	0.0	0.0	-174.49	-39.42	17.51	0.98	-244.41	7494.62
		7104.29	-244.41	7.78e-05	0.0	10.0	-172.05	-39.42	17.51	0.98	-69.89	7104.29
11	62	-7104.29	-69.21	-9.94e-03	0.0	0.0	-157.83	39.42	22.55	-0.98	-295.26	-7494.62
		-7494.62	-295.26	-7.06e-05	0.0	10.0	-155.38	39.42	22.55	-0.98	-69.21	-7104.29
11	63	7494.62	-69.21	9.94e-03	0.0	0.0	-157.83	-39.42	22.55	0.98	-295.28	7494.62
		7104.29	-295.28	-7.06e-05	0.0	10.0	-155.38	-39.42	22.55	0.98	-69.21	7104.29
11	64	-7104.29	-69.89	-9.94e-03	0.0	0.0	-174.50	39.42	17.51	-0.98	-244.39	-7494.62
		-7494.62	-244.39	7.78e-05	0.0	10.0	-172.05	39.42	17.51	-0.98	-69.89	-7104.29
11	65	7494.62	-69.89	9.94e-03	0.0	0.0	-174.49	-39.42	17.51	0.98	-244.41	7494.62
		7104.29	-244.41	7.78e-05	0.0	10.0	-172.05	-39.42	17.51	0.98	-69.89	7104.29
11	66	-7104.29	-69.21	-9.94e-03	0.0	0.0	-157.83	39.42	22.55	-0.98	-295.26	-7494.62
		-7494.62	-295.26	-7.06e-05	0.0	10.0	-155.38	39.42	22.55	-0.98	-69.21	-7104.29
11	67	7494.62	-69.21	9.94e-03	0.0	0.0	-157.83	-39.42	22.55	0.98	-295.28	7494.62
		7104.29	-295.28	-7.06e-05	0.0	10.0	-155.38	-39.42	22.55	0.98	-69.21	7104.29
11	68	-9064.60	-69.55	-4.67e-03	0.0	0.0	-166.16	72.48	20.03	168.88	-269.83	-9789.43
		-9789.43	-269.83	4.58e-06	0.0	10.0	-163.71	72.48	20.03	168.88	-69.55	-9064.60
11	69	0.0	-69.55	0.0	0.0	0.0	-166.16	0.0	20.03	0.0	-269.83	0.0
		0.0	-269.83	4.58e-06	0.0	10.0	-163.71	0.0	20.03	0.0	-69.55	0.0
11	70	0.0	-69.55	0.0	0.0	0.0	-166.16	0.0	20.03	0.0	-269.83	0.0
		0.0	-269.83	4.58e-06	0.0	10.0	-163.71	0.0	20.03	0.0	-69.55	0.0

12	1	241.06	-6.09e-06	-1.41	0.0	0.0	-115.02	325.28	1.42	-257.82	-90.41	-6.495e+04
		-6.495e+04	-90.41	3.76e-04	0.0	240.0	-38.60	325.28	1.42	-257.82	-6.09e-06	241.06
12	2	241.06	-4.68e-06	-1.41	0.0	0.0	-88.48	325.28	1.09	-257.82	-69.55	-6.495e+04
		-6.495e+04	-69.55	2.89e-04	0.0	240.0	-29.69	325.28	1.09	-257.82	-4.68e-06	241.06
12	3	160.71	-4.68e-06	-0.94	0.0	0.0	-88.48	216.86	1.09	-171.88	-69.55	-4.330e+04
		-4.330e+04	-69.55	2.89e-04	0.0	240.0	-29.69	216.86	1.09	-171.88	-4.68e-06	160.71
12	4	-1394.09	-2.69e-05	-0.09	0.0	0.0	-93.89	1.31	1.10	-2.25	-70.91	-1707.15
		-1707.15	-70.91	6.39e-03	0.0	240.0	-35.10	1.31	1.10	-2.25	-2.69e-05	-1394.09
12	5	1707.15	-2.69e-05	0.09	0.0	0.0	-93.88	-1.31	1.10	2.25	-70.91	1707.15
		1394.09	-70.91	6.39e-03	0.0	240.0	-35.10	-1.31	1.10	2.25	-2.69e-05	1394.09
12	6	-1394.09	1.75e-05	-0.09	0.0	0.0	-83.07	1.31	1.08	-2.25	-68.19	-1707.15
		-1707.15	-68.19	-6.50e-03	0.0	240.0	-24.28	1.31	1.08	-2.25	1.75e-05	-1394.09
12	7	1707.15	1.75e-05	0.09	0.0	0.0	-83.07	-1.31	1.08	2.25	-68.19	1707.15
		1394.09	-68.19	-6.50e-03	0.0	240.0	-24.28	-1.31	1.08	2.25	1.75e-05	1394.09
12	8	-730.75	-2.69e-05	-0.08	0.0	0.0	-93.89	0.70	1.10	-1.76	-70.91	-894.76
		-894.76	-70.91	6.39e-03	0.0	240.0	-35.10	0.70	1.10	-1.76	-2.69e-05	-730.75
12	9	894.76	-2.69e-05	0.08	0.0	0.0	-93.88	-0.70	1.10	1.76	-70.91	894.76
		730.75	-70.91	6.39e-03	0.0	240.0	-35.10	-0.70	1.10	1.76	-2.69e-05	730.75
12	10	-730.75	1.75e-05	-0.08	0.0	0.0	-83.07	0.70	1.08	-1.76	-68.19	-894.76
		-894.76	-68.19	-6.50e-03	0.0	240.0	-24.28	0.70	1.08	-1.76	1.75e-05	-730.75
12	11	894.76	1.75e-05	0.08	0.0	0.0	-83.07	-0.70	1.08	1.76	-68.19	894.76
		730.75	-68.19	-6.50e-03	0.0	240.0	-24.28	-0.70	1.08	1.76	1.75e-05	730.75
12	12	-1394.09	-2.69e-05	-0.09	0.0	0.0	-93.89	1.31	1.10	-2.25	-70.91	-1707.15
		-1707.15	-70.91	6.39e-03	0.0	240.0	-35.10	1.31	1.10	-2.25	-2.69e-05	-1394.09
12	13	1707.15	-2.69e-05	0.09	0.0	0.0	-93.88	-1.31	1.10	2.25	-70.91	1707.15
		1394.09	-70.91	6.39e-03	0.0	240.0	-35.10	-1.31	1.10	2.25	-2.69e-05	1394.09
12	14	-1394.09	1.75e-05	-0.09	0.0	0.0	-83.07	1.31	1.08	-2.25	-68.19	-1707.15
		-1707.15	-68.19	-6.50e-03	0.0	240.0	-24.28	1.31	1.08	-2.25	1.75e-05	-1394.09
12	15	1707.15	1.75e-05	0.09	0.0	0.0	-83.07	-1.31	1.08	2.25	-68.19	1707.15
		1394.09	-68.19	-6.50e-03	0.0	240.0	-24.28	-1.31	1.08	2.25	1.75e-05	1394.09
12	16	-730.75	-2.69e-05	-0.08	0.0	0.0	-93.89	0.70	1.10	-1.76	-70.91	-894.76
		-894.76	-70.91	6.39e-03	0.0	240.0	-35.10	0.70	1.10	-1.76	-2.69e-05	-730.75
12	17	894.76	-2.69e-05	0.08	0.0	0.0	-93.88	-0.70	1.10	1.76	-70.91	894.76
		730.75	-70.91	6.39e-03	0.0	240.0	-35.10	-0.70	1.10	1.76	-2.69e-05	730.75
12	18	-730.75	1.75e-05	-0.08	0.0	0.0	-83.07	0.70	1.08	-1.76	-68.19	-894.76
		-894.76	-68.19	-6.50e-03	0.0	240.0	-24.28	0.70	1.08	-1.76	1.75e-05	-730.75
12	19	894.76	1.75e-05	0.08	0.0	0.0	-83.07	-0.70	1.08	1.76	-68.19	894.76
		730.75	-68.19	-6.50e-03	0.0	240.0	-24.28	-0.70	1.08	1.76	1.75e-05	730.75
12	20	-4646.96	-1.14e-05	-0.30	0.0	0.0	-90.10	4.38	1.09	-7.52	-69.96	-5690.49
		-5690.49	-69.96	1.87e-03	0.0	240.0	-31.32	4.38	1.09	-7.52	-1.14e-05	-4646.96
12	21	5690.49	-1.14e-05	0.30	0.0	0.0	-90.10	-4.38	1.09	7.52	-69.96	5690.49
		4646.96	-69.96	1.87e-03	0.0	240.0	-31.32	-4.38	1.09	7.52	-1.14e-05	4646.96
12	22	-4646.96	1.98e-06	-0.30	0.0	0.0	-86.85	4.38	1.09	-7.52	-69.14	-5690.49
		-5690.49	-69.14	-1.99e-03	0.0	240.0	-28.07	4.38	1.09	-7.52	1.98e-06	-4646.96
12	23	5690.49	1.98e-06	0.30	0.0	0.0	-86.85	-4.38	1.09	7.52	-69.14	5690.49
		4646.96	-69.14	-1.99e-03	0.0	240.0	-28.07	-4.38	1.09	7.52	1.98e-06	4646.96
12	24	-4646.96	-1.14e-05	-0.30	0.0	0.0	-90.10	4.38	1.09	-7.52	-69.96	-5690.49
		-5690.49	-69.96	1.87e-03	0.0	240.0	-31.32	4.38	1.09	-7.52	-1.14e-05	-4646.96
12	25	5690.49	-1.14e-05	0.30	0.0	0.0	-90.10	-4.38	1.09	7.52	-69.96	5690.49
		4646.96	-69.96	1.87e-03	0.0	240.0	-31.32	-4.38	1.09	7.52	-1.14e-05	4646.96
12	26	-4646.96	1.98e-06	-0.30	0.0	0.0	-86.85	4.38	1.09	-7.52	-69.14	-5690.49
		-5690.49	-69.14	-1.99e-03	0.0	240.0	-28.07	4.38	1.09	-7.52	1.98e-06	-4646.96
12	27	5690.49	1.98e-06	0.30	0.0	0.0	-86.85	-4.38	1.09	7.52	-69.14	5690.49
		4646.96	-69.14	-1.99e-03	0.0	240.0	-28.07	-4.38	1.09	7.52	1.98e-06	4646.96
12	28	-2435.83	-1.14e-05	-0.25	0.0	0.0	-90.10	2.33	1.09	-5.85	-69.96	-2982.53
		-2982.53	-69.96	1.87e-03	0.0	240.0	-31.32	2.33	1.09	-5.85	-1.14e-05	-2435.83
12	29	2982.53	-1.14e-05	0.25	0.0	0.0	-90.10	-2.33	1.09	5.85	-69.96	2982.53
		2435.83	-69.96	1.87e-03	0.0	240.0	-31.32	-2.33	1.09	5.85	-1.14e-05	2435.83
12	30	-2435.83	1.98e-06	-0.25	0.0	0.0	-86.85	2.33	1.09	-5.85	-69.14	-2982.53
		-2982.53	-69.14	-1.99e-03	0.0	240.0	-28.07	2.33	1.09	-5.85	1.98e-06	-2435.83
12	31	2982.53	1.98e-06	0.25	0.0	0.0	-86.85	-2.33	1.09	5.85	-69.14	2982.53
		2435.83	-69.14	-1.99e-03	0.0	240.0	-28.07	-2.33	1.09	5.85	1.98e-06	2435.83
12	32	-2435.83	-1.14e-05	-0.25	0.0	0.0	-90.10	2.33	1.09	-5.85	-69.96	-2982.53
		-2982.53	-69.96	1.87e-03	0.0	240.0	-31.32	2.33	1.09	-5.85	-1.14e-05	-2435.83
12	33	2982.53	-1.14e-05	0.25	0.0	0.0	-90.10	-2.33	1.09	5.85	-69.96	2982.53
		2435.83	-69.96	1.87e-03	0.0	240.0	-31.32	-2.33	1.09	5.85	-1.14e-05	2435.83
12	34	-2435.83	1.98e-06	-0.25	0.0	0.0	-86.85	2.33	1.09	-5.85	-69.14	-2982.53
		-2982.53	-69.14	-1.99e-03	0.0	240.0	-28.07	2.33	1.09	-5.85	1.98e-06	-2435.83
12	35	2982.53	1.98e-06	0.25	0.0	0.0	-86.85	-2.33	1.09	5.85	-69.14	2982.53
		2435.83	-69.14	-1.99e-03	0.0	240.0	-28.07	-2.33	1.09	5.85	1.98e-06	2435.83
12	36	-1378.15	-2.50e-05	-0.10	0.0	0.0	-93.33	1.27	1.09	-1.96	-70.67	-1681.03
		-1681.03	-70.67	5.98e-03	0.0	240.0	-34.55	1.27	1.09	-1.96	-2.50e-05	-1378.15
12	37	1681.03	-2.50e-05	0.10	0.0	0.0	-93.33	-1.27	1.09	1.96	-70.67	1681.03
		1378.15	-70.67	5.98e-03	0.0	240.0	-34.55	-1.27	1.09	1.96	-2.50e-05	1378.15
12	38	-1378.15	1.57e-05	-0.10	0.0	0.0	-83.62	1.27	1.08	-1.96	-68.42	-1681.03

		-1681.03	-68.42	-6.10e-03	0.0	240.0	-24.84	1.27	1.08	-1.96	1.57e-05	-1378.15
12	39	1681.03	1.57e-05	0.10	0.0	0.0	-83.62	-1.27	1.08	1.96	-68.42	1681.03
		1378.15	-68.42	-6.10e-03	0.0	240.0	-24.84	-1.27	1.08	1.96	1.57e-05	1378.15
12	40	-690.73	-2.50e-05	-0.08	0.0	0.0	-93.33	0.62	1.09	-1.49	-70.67	-837.44
		-837.44	-70.67	5.98e-03	0.0	240.0	-34.55	0.62	1.09	-1.49	-2.50e-05	-690.73
12	41	837.44	-2.50e-05	0.08	0.0	0.0	-93.33	-0.62	1.09	1.49	-70.67	837.44
		690.73	-70.67	5.98e-03	0.0	240.0	-34.55	-0.62	1.09	1.49	-2.50e-05	690.73
12	42	-690.73	1.57e-05	-0.08	0.0	0.0	-83.62	0.62	1.08	-1.49	-68.42	-837.44
		-837.44	-68.42	-6.10e-03	0.0	240.0	-24.84	0.62	1.08	-1.49	1.57e-05	-690.73
12	43	837.44	1.57e-05	0.08	0.0	0.0	-83.62	-0.62	1.08	1.49	-68.42	837.44
		690.73	-68.42	-6.10e-03	0.0	240.0	-24.84	-0.62	1.08	1.49	1.57e-05	690.73
12	44	-1378.15	-2.50e-05	-0.10	0.0	0.0	-93.33	1.27	1.09	-1.96	-70.67	-1681.03
		-1681.03	-70.67	5.98e-03	0.0	240.0	-34.55	1.27	1.09	-1.96	-2.50e-05	-1378.15
12	45	1681.03	-2.50e-05	0.10	0.0	0.0	-93.33	-1.27	1.09	1.96	-70.67	1681.03
		1378.15	-70.67	5.98e-03	0.0	240.0	-34.55	-1.27	1.09	1.96	-2.50e-05	1378.15
12	46	-1378.15	1.57e-05	-0.10	0.0	0.0	-83.62	1.27	1.08	-1.96	-68.42	-1681.03
		-1681.03	-68.42	-6.10e-03	0.0	240.0	-24.84	1.27	1.08	-1.96	1.57e-05	-1378.15
12	47	1681.03	1.57e-05	0.10	0.0	0.0	-83.62	-1.27	1.08	1.96	-68.42	1681.03
		1378.15	-68.42	-6.10e-03	0.0	240.0	-24.84	-1.27	1.08	1.96	1.57e-05	1378.15
12	48	-690.73	-2.50e-05	-0.08	0.0	0.0	-93.33	0.62	1.09	-1.49	-70.67	-837.44
		-837.44	-70.67	5.98e-03	0.0	240.0	-34.55	0.62	1.09	-1.49	-2.50e-05	-690.73
12	49	837.44	-2.50e-05	0.08	0.0	0.0	-93.33	-0.62	1.09	1.49	-70.67	837.44
		690.73	-70.67	5.98e-03	0.0	240.0	-34.55	-0.62	1.09	1.49	-2.50e-05	690.73
12	50	-690.73	1.57e-05	-0.08	0.0	0.0	-83.62	0.62	1.08	-1.49	-68.42	-837.44
		-837.44	-68.42	-6.10e-03	0.0	240.0	-24.84	0.62	1.08	-1.49	1.57e-05	-690.73
12	51	837.44	1.57e-05	0.08	0.0	0.0	-83.62	-0.62	1.08	1.49	-68.42	837.44
		690.73	-68.42	-6.10e-03	0.0	240.0	-24.84	-0.62	1.08	1.49	1.57e-05	690.73
12	52	-4593.83	-1.08e-05	-0.32	0.0	0.0	-89.93	4.23	1.09	-6.53	-69.89	-5603.42
		-5603.42	-69.89	1.75e-03	0.0	240.0	-31.15	4.23	1.09	-6.53	-1.08e-05	-4593.83
12	53	5603.42	-1.08e-05	0.32	0.0	0.0	-89.93	-4.23	1.09	6.53	-69.89	5603.42
		4593.83	-69.89	1.75e-03	0.0	240.0	-31.15	-4.23	1.09	6.53	-1.08e-05	4593.83
12	54	-4593.83	1.42e-06	-0.32	0.0	0.0	-87.02	4.23	1.09	-6.53	-69.21	-5603.42
		-5603.42	-69.21	-1.87e-03	0.0	240.0	-28.24	4.23	1.09	-6.53	1.42e-06	-4593.83
12	55	5603.42	1.42e-06	0.32	0.0	0.0	-87.02	-4.23	1.09	6.53	-69.21	5603.42
		4593.83	-69.21	-1.87e-03	0.0	240.0	-28.24	-4.23	1.09	6.53	1.42e-06	4593.83
12	56	-4593.83	-1.08e-05	-0.32	0.0	0.0	-89.93	4.23	1.09	-6.53	-69.89	-5603.42
		-5603.42	-69.89	1.75e-03	0.0	240.0	-31.15	4.23	1.09	-6.53	-1.08e-05	-4593.83
12	57	5603.42	-1.08e-05	0.32	0.0	0.0	-89.93	-4.23	1.09	6.53	-69.89	5603.42
		4593.83	-69.89	1.75e-03	0.0	240.0	-31.15	-4.23	1.09	6.53	-1.08e-05	4593.83
12	58	-4593.83	1.42e-06	-0.32	0.0	0.0	-87.02	4.23	1.09	-6.53	-69.21	-5603.42
		-5603.42	-69.21	-1.87e-03	0.0	240.0	-28.24	4.23	1.09	-6.53	1.42e-06	-4593.83
12	59	5603.42	1.42e-06	0.32	0.0	0.0	-87.02	-4.23	1.09	6.53	-69.21	5603.42
		4593.83	-69.21	-1.87e-03	0.0	240.0	-28.24	-4.23	1.09	6.53	1.42e-06	4593.83
12	60	-2302.45	-1.08e-05	-0.27	0.0	0.0	-89.93	2.08	1.09	-4.97	-69.89	-2791.48
		-2791.48	-69.89	1.75e-03	0.0	240.0	-31.15	2.08	1.09	-4.97	-1.08e-05	-2302.45
12	61	2791.48	-1.08e-05	0.27	0.0	0.0	-89.93	-2.08	1.09	4.97	-69.89	2791.48
		2302.45	-69.89	1.75e-03	0.0	240.0	-31.15	-2.08	1.09	4.97	-1.08e-05	2302.45
12	62	-2302.45	1.42e-06	-0.27	0.0	0.0	-87.02	2.08	1.09	-4.97	-69.21	-2791.48
		-2791.48	-69.21	-1.87e-03	0.0	240.0	-28.24	2.08	1.09	-4.97	1.42e-06	-2302.45
12	63	2791.48	1.42e-06	0.27	0.0	0.0	-87.02	-2.08	1.09	4.97	-69.21	2791.48
		2302.45	-69.21	-1.87e-03	0.0	240.0	-28.24	-2.08	1.09	4.97	1.42e-06	2302.45
12	64	-2302.45	-1.08e-05	-0.27	0.0	0.0	-89.93	2.08	1.09	-4.97	-69.89	-2791.48
		-2791.48	-69.89	1.75e-03	0.0	240.0	-31.15	2.08	1.09	-4.97	-1.08e-05	-2302.45
12	65	2791.48	-1.08e-05	0.27	0.0	0.0	-89.93	-2.08	1.09	4.97	-69.89	2791.48
		2302.45	-69.89	1.75e-03	0.0	240.0	-31.15	-2.08	1.09	4.97	-1.08e-05	2302.45
12	66	-2302.45	1.42e-06	-0.27	0.0	0.0	-87.02	2.08	1.09	-4.97	-69.21	-2791.48
		-2791.48	-69.21	-1.87e-03	0.0	240.0	-28.24	2.08	1.09	-4.97	1.42e-06	-2302.45
12	67	2791.48	1.42e-06	0.27	0.0	0.0	-87.02	-2.08	1.09	4.97	-69.21	2791.48
		2302.45	-69.21	-1.87e-03	0.0	240.0	-28.24	-2.08	1.09	4.97	1.42e-06	2302.45
12	68	32.14	-4.68e-06	-0.19	0.0	0.0	-88.48	43.37	1.09	-34.38	-69.55	-8659.93
		-8659.93	-69.55	2.89e-04	0.0	240.0	-29.69	43.37	1.09	-34.38	-4.68e-06	32.14
12	69	0.0	-4.68e-06	0.0	0.0	0.0	-88.48	0.0	1.09	0.0	-69.55	0.0
		0.0	-69.55	2.89e-04	0.0	240.0	-29.69	0.0	1.09	0.0	-4.68e-06	0.0
12	70	0.0	-4.68e-06	0.0	0.0	0.0	-88.48	0.0	1.09	0.0	-69.55	0.0
		0.0	-69.55	2.89e-04	0.0	240.0	-29.69	0.0	1.09	0.0	-4.68e-06	0.0

Pilas.	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-1.424e+05	-798.78	-1.78	0.0	-386.57	-109.73	-81.94	-1266.58
	2.047e+04	798.78	0.33	0.0	-24.28	1091.35	81.94	1266.58



2	3	66.67	-2.902e+04	0.0	3600.00	4.49e-06	-8.760e+05	0.0
2	3	123.33	-1.746e+04	0.0	3600.00	2.84e-06	-6.720e+05	0.0
2	3	180.00	-6140.02	0.0	3600.00	0.0	-4.680e+05	0.0
2	4	0.0	-2.902e+04	2815.42	792.49	-8.171e+05	-1.163e+05	-3.627e+04
2	4	66.67	-2.902e+04	2815.42	792.49	-6.702e+05	-1.163e+05	-3.816e+04
2	4	123.33	-1.746e+04	2819.27	802.62	-4.389e+05	-6.896e+04	-5.187e+04
2	4	180.00	-6140.02	912.80	713.54	-3.436e+04	-3.940e+04	-4.887e+04
2	5	0.0	-2.902e+04	2815.42	-792.49	-8.171e+05	1.163e+05	3.627e+04
2	5	66.67	-2.902e+04	2815.42	-792.49	-6.702e+05	1.163e+05	3.816e+04
2	5	123.33	-1.746e+04	2819.27	-802.62	-4.389e+05	6.896e+04	5.187e+04
2	5	180.00	-6140.02	912.80	-713.54	-3.436e+04	3.940e+04	4.887e+04
2	6	0.0	-2.902e+04	-2815.42	792.49	8.171e+05	-1.163e+05	-3.627e+04
2	6	66.67	-2.902e+04	-2815.42	792.49	6.702e+05	-1.163e+05	-3.816e+04
2	6	123.33	-1.746e+04	-2819.27	802.62	4.389e+05	-6.896e+04	-5.187e+04
2	6	180.00	-6140.02	-912.80	713.54	3.436e+04	-3.940e+04	-4.887e+04
2	7	0.0	-2.902e+04	-2815.42	-792.49	8.171e+05	1.163e+05	3.627e+04
2	7	66.67	-2.902e+04	-2815.42	-792.49	6.702e+05	1.163e+05	3.816e+04
2	7	123.33	-1.746e+04	-2819.27	-802.62	4.389e+05	6.896e+04	5.187e+04
2	7	180.00	-6140.02	-912.80	-713.54	3.436e+04	3.940e+04	4.887e+04
2	8	0.0	-2.902e+04	2815.42	792.49	-8.171e+05	-1.163e+05	-3.627e+04
2	8	66.67	-2.902e+04	2815.42	792.49	-6.702e+05	-1.163e+05	-3.816e+04
2	8	123.33	-1.746e+04	2819.27	802.62	-4.389e+05	-6.896e+04	-5.187e+04
2	8	180.00	-6140.02	912.80	713.54	-3.436e+04	-3.940e+04	-4.887e+04
2	9	0.0	-2.902e+04	2815.42	-792.49	-8.171e+05	1.163e+05	-3.627e+04
2	9	66.67	-2.902e+04	2815.42	-792.49	-6.702e+05	1.163e+05	-3.816e+04
2	9	123.33	-1.746e+04	2819.27	-802.62	-4.389e+05	6.896e+04	-5.187e+04
2	9	180.00	-6140.02	912.80	-713.54	-3.436e+04	3.940e+04	-4.887e+04
2	10	0.0	-2.902e+04	-2815.42	792.49	8.171e+05	-1.163e+05	-3.627e+04
2	10	66.67	-2.902e+04	-2815.42	792.49	6.702e+05	-1.163e+05	-3.816e+04
2	10	123.33	-1.746e+04	-2819.27	802.62	4.389e+05	-6.896e+04	-5.187e+04
2	10	180.00	-6140.02	-912.80	713.54	3.436e+04	-3.940e+04	-4.887e+04
2	11	0.0	-2.902e+04	-2815.42	-792.49	8.171e+05	1.163e+05	-3.627e+04
2	11	66.67	-2.902e+04	-2815.42	-792.49	6.702e+05	1.163e+05	-3.816e+04
2	11	123.33	-1.746e+04	-2819.27	-802.62	4.389e+05	6.896e+04	-5.187e+04
2	11	180.00	-6140.02	-912.80	-713.54	3.436e+04	3.940e+04	-4.887e+04
2	12	0.0	-2.902e+04	2815.42	792.49	-8.171e+05	-1.163e+05	-3.627e+04
2	12	66.67	-2.902e+04	2815.42	792.49	-6.702e+05	-1.163e+05	-3.816e+04
2	12	123.33	-1.746e+04	2819.27	802.62	-4.389e+05	-6.896e+04	-5.187e+04
2	12	180.00	-6140.02	912.80	713.54	-3.436e+04	-3.940e+04	-4.887e+04
2	13	0.0	-2.902e+04	2815.42	-792.49	-8.171e+05	1.163e+05	3.627e+04
2	13	66.67	-2.902e+04	2815.42	-792.49	-6.702e+05	1.163e+05	3.816e+04
2	13	123.33	-1.746e+04	2819.27	-802.62	-4.389e+05	6.896e+04	5.187e+04
2	13	180.00	-6140.02	912.80	-713.54	-3.436e+04	3.940e+04	4.887e+04
2	14	0.0	-2.902e+04	-2815.42	792.49	8.171e+05	-1.163e+05	-3.627e+04
2	14	66.67	-2.902e+04	-2815.42	792.49	6.702e+05	-1.163e+05	-3.816e+04
2	14	123.33	-1.746e+04	-2819.27	802.62	4.389e+05	-6.896e+04	-5.187e+04
2	14	180.00	-6140.02	-912.80	713.54	3.436e+04	-3.940e+04	-4.887e+04
2	15	0.0	-2.902e+04	-2815.42	-792.49	8.171e+05	1.163e+05	3.627e+04
2	15	66.67	-2.902e+04	-2815.42	-792.49	6.702e+05	1.163e+05	3.816e+04
2	15	123.33	-1.746e+04	-2819.27	-802.62	4.389e+05	6.896e+04	5.187e+04
2	16	0.0	-2.902e+04	2815.42	792.49	-8.171e+05	-1.163e+05	-3.627e+04
2	16	66.67	-2.902e+04	2815.42	792.49	-6.702e+05	-1.163e+05	-3.816e+04
2	16	123.33	-1.746e+04	2819.27	802.62	-4.389e+05	-6.896e+04	-5.187e+04
2	16	180.00	-6140.02	912.80	713.54	-3.436e+04	-3.940e+04	-4.887e+04
2	17	0.0	-2.902e+04	2815.42	-792.49	-8.171e+05	1.163e+05	-3.627e+04
2	17	66.67	-2.902e+04	2815.42	-792.49	-6.702e+05	1.163e+05	-3.816e+04
2	17	123.33	-1.746e+04	2819.27	-802.62	-4.389e+05	6.896e+04	-5.187e+04
2	17	180.00	-6140.02	912.80	-713.54	-3.436e+04	3.940e+04	-4.887e+04
2	18	0.0	-2.902e+04	-2815.42	792.49	8.171e+05	-1.163e+05	-3.627e+04
2	18	66.67	-2.902e+04	-2815.42	792.49	6.702e+05	-1.163e+05	-3.816e+04
2	18	123.33	-1.746e+04	-2819.27	802.62	4.389e+05	-6.896e+04	-5.187e+04
2	18	180.00	-6140.02	-912.80	713.54	3.436e+04	-3.940e+04	-4.887e+04
2	19	0.0	-2.902e+04	-2815.42	-792.49	8.171e+05	1.163e+05	-3.627e+04
2	19	66.67	-2.902e+04	-2815.42	-792.49	6.702e+05	1.163e+05	-3.816e+04
2	19	123.33	-1.746e+04	-2819.27	-802.62	4.389e+05	6.896e+04	-5.187e+04
2	19	180.00	-6140.02	-912.80	-713.54	3.436e+04	3.940e+04	-4.887e+04
2	20	0.0	-2.902e+04	844.63	2641.62	-2.451e+05	-3.877e+05	-1.209e+05
2	20	66.67	-2.902e+04	844.63	2641.62	-2.010e+05	-3.876e+05	-1.272e+05
2	20	123.33	-1.746e+04	845.78	2675.40	-1.317e+05	-2.299e+05	-1.729e+05
2	20	180.00	-6140.02	273.84	2378.46	-1.031e+04	-1.313e+05	-1.629e+05
2	21	0.0	-2.902e+04	844.62	-2641.62	-2.451e+05	3.877e+05	1.209e+05
2	21	66.67	-2.902e+04	844.62	-2641.62	-2.010e+05	3.876e+05	1.272e+05
2	21	123.33	-1.746e+04	845.78	-2675.40	-1.317e+05	2.299e+05	1.729e+05
2	21	180.00	-6140.02	273.84	-2378.46	-1.031e+04	1.313e+05	1.629e+05
2	22	0.0	-2.902e+04	-844.62	2641.62	2.451e+05	-3.877e+05	-1.209e+05



2	22	66.67	-2.902e+04	-844.62	2641.62	2.010e+05	-3.876e+05	-1.272e+05
2	22	123.33	-1.746e+04	-845.78	2675.40	1.317e+05	-2.299e+05	-1.729e+05
2	22	180.00	-6140.02	-273.84	2378.46	1.031e+04	-1.313e+05	-1.629e+05
2	23	0.0	-2.902e+04	-844.63	-2641.62	2.451e+05	3.877e+05	1.209e+05
2	23	66.67	-2.902e+04	-844.63	-2641.62	2.010e+05	3.876e+05	1.272e+05
2	23	123.33	-1.746e+04	-845.78	-2675.40	1.317e+05	2.299e+05	1.729e+05
2	23	180.00	-6140.02	-273.84	-2378.46	1.031e+04	1.313e+05	1.629e+05
2	24	0.0	-2.902e+04	844.63	2641.62	-2.451e+05	-3.877e+05	-1.209e+05
2	24	66.67	-2.902e+04	844.63	2641.62	-2.010e+05	-3.876e+05	-1.272e+05
2	24	123.33	-1.746e+04	845.78	2675.40	-1.317e+05	-2.299e+05	-1.729e+05
2	24	180.00	-6140.02	273.84	2378.46	-1.031e+04	-1.313e+05	-1.629e+05
2	25	0.0	-2.902e+04	844.62	2641.62	-2.451e+05	-3.877e+05	-1.209e+05
2	25	66.67	-2.902e+04	844.62	-2641.62	-2.010e+05	3.876e+05	1.272e+05
2	25	123.33	-1.746e+04	845.78	-2675.40	-1.317e+05	2.299e+05	1.729e+05
2	25	180.00	-6140.02	273.84	-2378.46	-1.031e+04	1.313e+05	1.629e+05
2	26	0.0	-2.902e+04	-844.62	2641.62	2.451e+05	-3.877e+05	-1.209e+05
2	26	66.67	-2.902e+04	-844.62	2641.62	2.010e+05	-3.876e+05	-1.272e+05
2	26	123.33	-1.746e+04	-845.78	2675.40	1.317e+05	-2.299e+05	-1.729e+05
2	26	180.00	-6140.02	-273.84	2378.46	1.031e+04	-1.313e+05	-1.629e+05
2	27	0.0	-2.902e+04	844.63	-2641.62	2.451e+05	3.877e+05	1.209e+05
2	27	66.67	-2.902e+04	-844.63	-2641.62	2.010e+05	3.876e+05	1.272e+05
2	27	123.33	-1.746e+04	-845.78	-2675.40	1.317e+05	2.299e+05	1.729e+05
2	27	180.00	-6140.02	-273.84	-2378.46	1.031e+04	1.313e+05	1.629e+05
2	28	0.0	-2.902e+04	844.62	2641.62	-2.451e+05	-3.877e+05	-1.209e+05
2	28	66.67	-2.902e+04	844.62	2641.62	-2.010e+05	-3.876e+05	-1.272e+05
2	28	123.33	-1.746e+04	845.78	2675.40	-1.317e+05	-2.299e+05	-1.729e+05
2	28	180.00	-6140.02	273.85	2378.46	-1.031e+04	-1.313e+05	1.629e+05
2	29	0.0	-2.902e+04	844.63	-2641.62	-2.451e+05	3.877e+05	-1.209e+05
2	29	66.67	-2.902e+04	844.63	-2641.62	-2.010e+05	3.876e+05	-1.272e+05
2	29	123.33	-1.746e+04	845.78	-2675.40	-1.317e+05	2.299e+05	-1.729e+05
2	29	180.00	-6140.02	273.83	-2378.46	-1.030e+04	1.313e+05	-1.629e+05
2	30	0.0	-2.902e+04	-844.63	2641.62	2.451e+05	-3.877e+05	1.209e+05
2	30	66.67	-2.902e+04	-844.63	2641.62	2.010e+05	-3.876e+05	1.272e+05
2	30	123.33	-1.746e+04	-845.78	2675.40	1.317e+05	-2.299e+05	1.729e+05
2	30	180.00	-6140.02	-273.83	2378.46	1.030e+04	-1.313e+05	1.629e+05
2	31	0.0	-2.902e+04	-844.62	-2641.62	2.451e+05	3.877e+05	-1.209e+05
2	31	66.67	-2.902e+04	-844.62	-2641.62	2.010e+05	3.876e+05	-1.272e+05
2	31	123.33	-1.746e+04	-845.78	-2675.40	1.317e+05	2.299e+05	-1.729e+05
2	31	180.00	-6140.02	-273.85	-2378.46	1.031e+04	1.313e+05	-1.629e+05
2	32	0.0	-2.902e+04	844.62	2641.62	-2.451e+05	-3.877e+05	1.209e+05
2	32	66.67	-2.902e+04	844.62	2641.62	-2.010e+05	-3.876e+05	1.272e+05
2	32	123.33	-1.746e+04	845.78	2675.40	-1.317e+05	-2.299e+05	1.729e+05
2	32	180.00	-6140.02	273.85	2378.46	-1.031e+04	-1.313e+05	1.629e+05
2	33	0.0	-2.902e+04	844.63	-2641.62	-2.451e+05	3.877e+05	-1.209e+05
2	33	66.67	-2.902e+04	844.63	-2641.62	-2.010e+05	3.876e+05	-1.272e+05
2	33	123.33	-1.746e+04	845.78	-2675.40	-1.317e+05	2.299e+05	-1.729e+05
2	33	180.00	-6140.02	273.83	-2378.46	-1.030e+04	1.313e+05	-1.629e+05
2	34	0.0	-2.902e+04	-844.63	2641.62	2.451e+05	-3.877e+05	1.209e+05
2	34	66.67	-2.902e+04	-844.63	2641.62	2.010e+05	-3.876e+05	1.272e+05
2	34	123.33	-1.746e+04	-845.78	2675.40	1.317e+05	-2.299e+05	1.729e+05
2	34	180.00	-6140.02	-273.83	2378.46	1.030e+04	-1.313e+05	1.629e+05
2	35	0.0	-2.902e+04	-844.62	-2641.62	2.451e+05	3.877e+05	-1.209e+05
2	35	66.67	-2.902e+04	-844.62	-2641.62	2.010e+05	3.876e+05	-1.272e+05
2	35	123.33	-1.746e+04	-845.78	-2675.40	1.317e+05	2.299e+05	-1.729e+05
2	35	180.00	-6140.02	-273.85	-2378.46	1.031e+04	1.313e+05	-1.629e+05
2	36	0.0	-2.902e+04	2627.50	844.95	-7.457e+05	-1.246e+05	-3.850e+04
2	36	66.67	-2.902e+04	2627.50	844.95	-6.035e+05	-1.246e+05	-4.038e+04
2	36	123.33	-1.746e+04	2629.95	851.48	-3.887e+05	-7.352e+04	-5.445e+04
2	36	180.00	-6140.02	852.98	725.72	-3.314e+04	-4.031e+04	-5.076e+04
2	37	0.0	-2.902e+04	2627.49	-844.95	-7.457e+05	1.246e+05	3.850e+04
2	37	66.67	-2.902e+04	2627.49	-844.95	-6.035e+05	1.246e+05	4.038e+04
2	37	123.33	-1.746e+04	2629.95	-851.48	-3.886e+05	7.352e+04	5.445e+04
2	37	180.00	-6140.02	852.98	-725.72	-3.314e+04	4.031e+04	5.076e+04
2	38	0.0	-2.902e+04	-2627.49	844.95	7.457e+05	-1.246e+05	-3.850e+04
2	38	66.67	-2.902e+04	-2627.49	844.95	6.035e+05	-1.246e+05	-4.038e+04
2	38	123.33	-1.746e+04	-2629.95	851.48	3.886e+05	-7.352e+04	-5.445e+04
2	38	180.00	-6140.02	-852.98	725.72	3.314e+04	-4.031e+04	-5.076e+04
2	39	0.0	-2.902e+04	-2627.50	-844.95	7.457e+05	1.246e+05	3.850e+04
2	39	66.67	-2.902e+04	-2627.50	-844.95	6.035e+05	1.246e+05	4.038e+04
2	39	123.33	-1.746e+04	-2629.95	-851.48	3.887e+05	7.352e+04	5.445e+04
2	39	180.00	-6140.02	-852.98	-725.72	3.314e+04	4.031e+04	5.076e+04
2	40	0.0	-2.902e+04	2627.49	844.95	-7.457e+05	-1.246e+05	3.850e+04
2	40	66.67	-2.902e+04	2627.49	844.95	-6.035e+05	-1.246e+05	4.038e+04
2	40	123.33	-1.746e+04	2629.95	851.48	-3.887e+05	-7.352e+04	5.445e+04
2	40	180.00	-6140.02	852.98	725.72	-3.314e+04	-4.031e+04	5.076e+04

2	41	0.0	-2.902e+04	2627.50	-844.95	-7.457e+05	1.246e+05	-3.850e+04
2	41	66.67	-2.902e+04	2627.50	-844.95	-6.035e+05	1.246e+05	-4.038e+04
2	41	123.33	-1.746e+04	2629.95	-851.48	-3.886e+05	7.352e+04	-5.445e+04
2	41	180.00	-6140.02	852.98	-725.72	-3.314e+04	4.031e+04	-5.076e+04
2	42	0.0	-2.902e+04	-2627.50	844.95	7.457e+05	-1.246e+05	3.850e+04
2	42	66.67	-2.902e+04	-2627.50	844.95	6.035e+05	-1.246e+05	4.038e+04
2	42	123.33	-1.746e+04	-2629.95	851.48	3.886e+05	-7.352e+04	5.445e+04
2	42	180.00	-6140.02	-852.98	725.72	3.314e+04	-4.031e+04	5.076e+04
2	43	0.0	-2.902e+04	-2627.49	-844.95	7.457e+05	1.246e+05	-3.850e+04
2	43	66.67	-2.902e+04	-2627.49	-844.95	6.035e+05	1.246e+05	-4.038e+04
2	43	123.33	-1.746e+04	-2629.95	-851.48	3.887e+05	7.352e+04	-5.445e+04
2	43	180.00	-6140.02	-852.98	-725.72	3.314e+04	4.031e+04	-5.076e+04
2	44	0.0	-2.902e+04	2627.50	844.95	-7.457e+05	-1.246e+05	-3.850e+04
2	44	66.67	-2.902e+04	2627.50	844.95	-6.035e+05	-1.246e+05	-4.038e+04
2	44	123.33	-1.746e+04	2629.95	851.48	-3.887e+05	-7.352e+04	-5.445e+04
2	44	180.00	-6140.02	852.98	725.72	-3.314e+04	-4.031e+04	-5.076e+04
2	45	0.0	-2.902e+04	2627.49	-844.95	-7.457e+05	1.246e+05	3.850e+04
2	45	66.67	-2.902e+04	2627.49	-844.95	-6.035e+05	1.246e+05	4.038e+04
2	45	123.33	-1.746e+04	2629.95	-851.48	-3.886e+05	7.352e+04	5.445e+04
2	45	180.00	-6140.02	852.98	-725.72	-3.314e+04	4.031e+04	5.076e+04
2	46	0.0	-2.902e+04	-2627.49	844.95	7.457e+05	-1.246e+05	-3.850e+04
2	46	66.67	-2.902e+04	-2627.49	844.95	6.035e+05	-1.246e+05	-4.038e+04
2	46	123.33	-1.746e+04	-2629.95	851.48	3.886e+05	-7.352e+04	-5.445e+04
2	46	180.00	-6140.02	-852.98	725.72	3.314e+04	-4.031e+04	-5.076e+04
2	47	0.0	-2.902e+04	-2627.50	-844.95	7.457e+05	1.246e+05	3.850e+04
2	47	66.67	-2.902e+04	-2627.50	-844.95	6.035e+05	1.246e+05	4.038e+04
2	47	123.33	-1.746e+04	-2629.95	-851.48	3.887e+05	7.352e+04	5.445e+04
2	47	180.00	-6140.02	-852.98	-725.72	3.314e+04	4.031e+04	5.076e+04
2	48	0.0	-2.902e+04	2627.49	844.95	-7.457e+05	-1.246e+05	3.850e+04
2	48	66.67	-2.902e+04	2627.49	844.95	-6.035e+05	-1.246e+05	4.038e+04
2	48	123.33	-1.746e+04	2629.95	851.48	-3.887e+05	-7.352e+04	5.445e+04
2	48	180.00	-6140.02	852.98	725.72	-3.314e+04	-4.031e+04	5.076e+04
2	49	0.0	-2.902e+04	2627.50	-844.95	-7.457e+05	1.246e+05	-3.850e+04
2	49	66.67	-2.902e+04	2627.50	-844.95	-6.035e+05	1.246e+05	-4.038e+04
2	49	123.33	-1.746e+04	2629.95	-851.48	-3.886e+05	7.352e+04	-5.445e+04
2	49	180.00	-6140.02	852.98	-725.72	-3.314e+04	4.031e+04	-5.076e+04
2	50	0.0	-2.902e+04	-2627.50	844.95	7.457e+05	-1.246e+05	3.850e+04
2	50	66.67	-2.902e+04	-2627.50	844.95	6.035e+05	-1.246e+05	4.038e+04
2	50	123.33	-1.746e+04	-2629.95	851.48	3.886e+05	-7.352e+04	5.445e+04
2	50	180.00	-6140.02	-852.98	725.72	3.314e+04	-4.031e+04	5.076e+04
2	51	0.0	-2.902e+04	-2627.49	-844.95	7.457e+05	1.246e+05	-3.850e+04
2	51	66.67	-2.902e+04	-2627.49	-844.95	6.035e+05	1.246e+05	-4.038e+04
2	51	123.33	-1.746e+04	-2629.95	-851.48	3.887e+05	7.352e+04	-5.445e+04
2	51	180.00	-6140.02	-852.98	-725.72	3.314e+04	4.031e+04	-5.076e+04
2	52	0.0	-2.902e+04	788.25	2816.48	-2.237e+05	-4.153e+05	-1.283e+05
2	52	66.67	-2.902e+04	788.25	2816.48	-1.810e+05	-4.152e+05	-1.346e+05
2	52	123.33	-1.746e+04	788.98	2838.26	-1.166e+05	-2.451e+05	-1.815e+05
2	52	180.00	-6140.02	255.90	2419.07	-9942.62	-1.344e+05	-1.692e+05
2	53	0.0	-2.902e+04	788.25	-2816.48	-2.237e+05	4.153e+05	1.283e+05
2	53	66.67	-2.902e+04	788.25	-2816.48	-1.810e+05	4.152e+05	1.346e+05
2	53	123.33	-1.746e+04	788.99	-2838.26	-1.166e+05	2.451e+05	1.815e+05
2	53	180.00	-6140.02	255.89	-2419.07	-9940.13	1.344e+05	1.692e+05
2	54	0.0	-2.902e+04	-788.25	2816.48	2.237e+05	-4.153e+05	-1.283e+05
2	54	66.67	-2.902e+04	-788.25	2816.48	1.810e+05	-4.152e+05	-1.346e+05
2	54	123.33	-1.746e+04	-788.99	2838.26	1.166e+05	-2.451e+05	-1.815e+05
2	54	180.00	-6140.02	-255.89	2419.07	9940.13	-1.344e+05	-1.692e+05
2	55	0.0	-2.902e+04	-788.25	-2816.48	2.237e+05	4.153e+05	1.283e+05
2	55	66.67	-2.902e+04	-788.25	-2816.48	1.810e+05	4.152e+05	1.346e+05
2	55	123.33	-1.746e+04	-788.98	-2838.26	1.166e+05	2.451e+05	1.815e+05
2	55	180.00	-6140.02	-255.90	-2419.07	9942.62	1.344e+05	1.692e+05
2	56	0.0	-2.902e+04	788.25	2816.48	-2.237e+05	-4.153e+05	-1.283e+05
2	56	66.67	-2.902e+04	788.25	2816.48	-1.810e+05	-4.152e+05	-1.346e+05
2	56	123.33	-1.746e+04	788.98	2838.26	-1.166e+05	-2.451e+05	-1.815e+05
2	56	180.00	-6140.02	255.90	2419.07	-9942.62	-1.344e+05	-1.692e+05
2	57	0.0	-2.902e+04	788.25	-2816.48	-2.237e+05	4.153e+05	1.283e+05
2	57	66.67	-2.902e+04	788.25	-2816.48	-1.810e+05	4.152e+05	1.346e+05
2	57	123.33	-1.746e+04	788.99	-2838.26	-1.166e+05	2.451e+05	1.815e+05
2	57	180.00	-6140.02	255.89	-2419.07	-9940.13	1.344e+05	1.692e+05
2	58	0.0	-2.902e+04	-788.25	2816.48	2.237e+05	-4.153e+05	-1.283e+05
2	58	66.67	-2.902e+04	-788.25	2816.48	1.810e+05	-4.152e+05	-1.346e+05
2	58	123.33	-1.746e+04	-788.99	2838.26	1.166e+05	-2.451e+05	-1.815e+05
2	58	180.00	-6140.02	-255.89	2419.07	9940.13	-1.344e+05	-1.692e+05
2	59	0.0	-2.902e+04	-788.25	-2816.48	2.237e+05	4.153e+05	1.283e+05
2	59	66.67	-2.902e+04	-788.25	-2816.48	1.810e+05	4.152e+05	1.346e+05
2	59	123.33	-1.746e+04	-788.98	-2838.26	1.166e+05	2.451e+05	1.815e+05

2	59	180.00	-6140.02	-255.90	-2419.07	9942.62	1.344e+05	1.692e+05
2	60	0.0	-2.902e+04	788.25	2816.48	-2.237e+05	-4.153e+05	1.283e+05
2	60	66.67	-2.902e+04	788.25	2816.48	-1.810e+05	-4.152e+05	1.346e+05
2	60	123.33	-1.746e+04	788.99	2838.26	-1.166e+05	-2.451e+05	1.815e+05
2	60	180.00	-6140.02	255.90	2419.07	-9944.20	-1.344e+05	1.692e+05
2	61	0.0	-2.902e+04	788.25	-2816.48	-2.237e+05	4.153e+05	-1.283e+05
2	61	66.67	-2.902e+04	788.25	-2816.48	-1.810e+05	4.152e+05	-1.346e+05
2	61	123.33	-1.746e+04	788.98	-2838.26	-1.166e+05	2.451e+05	-1.815e+05
2	61	180.00	-6140.02	255.89	-2419.07	-9938.55	1.344e+05	-1.692e+05
2	62	0.0	-2.902e+04	-788.25	2816.48	2.237e+05	-4.153e+05	1.283e+05
2	62	66.67	-2.902e+04	-788.25	2816.48	1.810e+05	-4.152e+05	1.346e+05
2	62	123.33	-1.746e+04	-788.98	2838.26	1.166e+05	-2.451e+05	1.815e+05
2	62	180.00	-6140.02	-255.89	2419.07	9938.55	-1.344e+05	1.692e+05
2	63	0.0	-2.902e+04	-788.25	-2816.48	2.237e+05	4.153e+05	-1.283e+05
2	63	66.67	-2.902e+04	-788.25	-2816.48	1.810e+05	4.152e+05	-1.346e+05
2	63	123.33	-1.746e+04	-788.99	-2838.26	1.166e+05	2.451e+05	-1.815e+05
2	63	180.00	-6140.02	-255.90	-2419.07	9944.20	1.344e+05	-1.692e+05
2	64	0.0	-2.902e+04	788.25	2816.48	-2.237e+05	-4.153e+05	1.283e+05
2	64	66.67	-2.902e+04	788.25	2816.48	-1.810e+05	-4.152e+05	1.346e+05
2	64	123.33	-1.746e+04	788.99	2838.26	-1.166e+05	-2.451e+05	1.815e+05
2	64	180.00	-6140.02	255.90	2419.07	-9944.20	-1.344e+05	1.692e+05
2	65	0.0	-2.902e+04	788.25	-2816.48	-2.237e+05	4.153e+05	-1.283e+05
2	65	66.67	-2.902e+04	788.25	-2816.48	-1.810e+05	4.152e+05	-1.346e+05
2	65	123.33	-1.746e+04	788.98	-2838.26	-1.166e+05	2.451e+05	-1.815e+05
2	65	180.00	-6140.02	255.89	-2419.07	-9938.55	1.344e+05	-1.692e+05
2	66	0.0	-2.902e+04	-788.25	2816.48	2.237e+05	-4.153e+05	1.283e+05
2	66	66.67	-2.902e+04	-788.25	2816.48	1.810e+05	-4.152e+05	1.346e+05
2	66	123.33	-1.746e+04	-788.98	2838.26	1.166e+05	-2.451e+05	1.815e+05
2	66	180.00	-6140.02	-255.89	2419.07	9938.55	-1.344e+05	1.692e+05
2	67	0.0	-2.902e+04	-788.25	-2816.48	2.237e+05	4.153e+05	-1.283e+05
2	67	66.67	-2.902e+04	-788.25	-2816.48	1.810e+05	4.152e+05	-1.346e+05
2	67	123.33	-1.746e+04	-788.99	-2838.26	1.166e+05	2.451e+05	-1.815e+05
2	67	180.00	-6140.02	-255.90	-2419.07	9944.20	1.344e+05	-1.692e+05
2	68	0.0	-2.902e+04	0.0	720.00	2.20e-06	-2.232e+05	0.0
2	68	123.33	-1.746e+04	0.0	720.00	2.84e-06	-1.344e+05	0.0
2	68	180.00	-6140.02	0.0	720.00	0.0	-9.360e+04	0.0
2	69	0.0	-2.902e+04	0.0	0.0	2.20e-06	0.0	0.0
2	69	66.67	-2.902e+04	0.0	0.0	4.50e-06	0.0	0.0
2	69	123.33	-1.746e+04	0.0	0.0	2.84e-06	0.0	0.0
2	69	180.00	-6140.02	0.0	0.0	0.0	0.0	0.0
2	70	0.0	-2.902e+04	0.0	0.0	2.20e-06	0.0	0.0
2	70	66.67	-2.902e+04	0.0	0.0	4.50e-06	0.0	0.0
2	70	123.33	-1.746e+04	0.0	0.0	2.84e-06	0.0	0.0
2	70	180.00	-6140.02	0.0	0.0	0.0	0.0	0.0

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-3.773e+04	-2819.27	-2838.26	-8.171e+05	-1.674e+06	-1.815e+05
	-6140.02	2819.27	5400.00	8.171e+05	4.153e+05	1.815e+05

Macro	Tipo	Angolo 1-Z (gradi)
3	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
3	1	190.00	-416.56	0.0	-1345.15	0.0	-1.284e+05	0.0
3	1	430.00	-413.03	0.0	1773.63	0.0	-6.240e+04	0.0
3	2	190.00	-320.43	0.0	-1345.15	0.0	-1.284e+05	0.0
3	2	430.00	-317.71	0.0	1773.63	0.0	-6.240e+04	0.0
3	3	190.00	-320.43	0.0	-896.77	0.0	-8.559e+04	0.0
3	3	430.00	-317.71	0.0	1182.42	0.0	-4.160e+04	0.0
3	4	190.00	-320.43	142.81	111.83	-2.680e+04	-5078.75	-94.52
3	4	430.00	-317.71	142.81	111.83	-2.680e+04	-5078.75	-165.15
3	5	190.00	-320.43	142.81	-111.83	-2.680e+04	5078.75	94.52
3	5	430.00	-317.71	142.81	-111.83	-2.680e+04	5078.75	165.15
3	6	190.00	-320.43	-142.81	111.83	2.680e+04	-5078.75	-94.52
3	6	430.00	-317.71	-142.81	111.83	2.680e+04	-5078.75	-165.15
3	7	190.00	-320.43	-142.81	-111.83	2.680e+04	5078.75	94.52
3	7	430.00	-317.71	-142.81	-111.83	2.680e+04	5078.75	165.15
3	8	190.00	-320.42	142.81	111.83	-2.680e+04	-5078.75	94.52
3	8	430.00	-317.71	142.81	111.83	-2.680e+04	-5078.75	165.15
3	9	190.00	-320.43	142.81	-111.83	-2.680e+04	5078.75	-94.52

3	9	430.00	-317.72	142.81	-111.83	-2.680e+04	5078.75	-165.15
3	10	190.00	-320.42	-142.81	111.83	2.680e+04	-5078.75	94.52
3	10	430.00	-317.71	-142.81	111.83	2.680e+04	-5078.75	165.15
3	11	190.00	-320.43	-142.81	-111.83	2.680e+04	5078.75	-94.52
3	11	430.00	-317.72	-142.81	-111.83	2.680e+04	5078.75	-165.15
3	12	190.00	-320.43	142.81	111.83	-2.680e+04	-5078.75	-94.52
3	12	430.00	-317.71	142.81	111.83	-2.680e+04	-5078.75	-165.15
3	13	190.00	-320.43	142.81	-111.83	-2.680e+04	5078.75	94.52
3	13	430.00	-317.71	142.81	-111.83	-2.680e+04	5078.75	165.15
3	14	190.00	-320.43	-142.81	111.83	2.680e+04	-5078.75	-94.52
3	14	430.00	-317.71	-142.81	111.83	2.680e+04	-5078.75	-165.15
3	15	190.00	-320.43	-142.81	-111.83	2.680e+04	5078.75	94.52
3	15	430.00	-317.71	-142.81	-111.83	2.680e+04	5078.75	165.15
3	16	190.00	-320.42	142.81	111.83	-2.680e+04	-5078.75	94.52
3	16	430.00	-317.71	142.81	111.83	-2.680e+04	-5078.75	165.15
3	17	190.00	-320.43	142.81	-111.83	-2.680e+04	5078.75	-94.52
3	17	430.00	-317.72	142.81	-111.83	-2.680e+04	5078.75	-165.15
3	18	190.00	-320.42	-142.81	111.83	2.680e+04	-5078.75	94.52
3	18	430.00	-317.71	-142.81	111.83	2.680e+04	-5078.75	165.15
3	19	190.00	-320.43	-142.81	-111.83	2.680e+04	5078.75	-94.52
3	19	430.00	-317.72	-142.81	-111.83	2.680e+04	5078.75	-165.15
3	20	190.00	-320.43	42.84	372.75	-8039.89	-1.693e+04	-315.06
3	20	430.00	-317.71	42.84	372.75	-8039.89	-1.693e+04	-550.49
3	21	190.00	-320.43	42.84	-372.75	-8041.28	1.693e+04	315.06
3	21	430.00	-317.72	42.84	-372.75	-8041.28	1.693e+04	550.49
3	22	190.00	-320.43	-42.84	372.75	8041.28	-1.693e+04	-315.06
3	22	430.00	-317.71	-42.84	372.75	8041.28	-1.693e+04	-550.49
3	23	190.00	-320.43	-42.84	-372.75	8039.89	1.693e+04	315.06
3	23	430.00	-317.72	-42.84	-372.75	8039.89	1.693e+04	550.49
3	24	190.00	-320.43	42.84	372.75	-8039.89	-1.693e+04	-315.06
3	24	430.00	-317.71	42.84	372.75	-8039.89	-1.693e+04	-550.49
3	25	190.00	-320.43	42.84	-372.75	-8041.28	1.693e+04	315.06
3	25	430.00	-317.72	42.84	-372.75	-8041.28	1.693e+04	550.49
3	26	190.00	-320.43	-42.84	372.75	8041.28	-1.693e+04	-315.06
3	26	430.00	-317.71	-42.84	372.75	8041.28	-1.693e+04	-550.49
3	27	190.00	-320.43	-42.84	-372.75	8039.89	1.693e+04	315.06
3	27	430.00	-317.72	-42.84	-372.75	8039.89	1.693e+04	550.49
3	28	190.00	-320.42	42.84	372.75	-8038.13	-1.693e+04	315.06
3	28	430.00	-317.71	42.84	372.75	-8038.13	-1.693e+04	550.49
3	29	190.00	-320.43	42.84	-372.75	-8043.04	1.693e+04	-315.06
3	29	430.00	-317.72	42.84	-372.75	-8043.04	1.693e+04	-550.49
3	30	190.00	-320.42	-42.84	372.75	8043.04	-1.693e+04	315.06
3	30	430.00	-317.71	-42.84	372.75	8043.04	-1.693e+04	550.49
3	31	190.00	-320.43	-42.84	-372.75	8038.13	1.693e+04	-315.06
3	31	430.00	-317.72	-42.84	-372.75	8038.13	1.693e+04	-550.49
3	32	190.00	-320.42	42.84	372.75	-8038.13	-1.693e+04	315.06
3	32	430.00	-317.71	42.84	372.75	-8038.13	-1.693e+04	550.49
3	33	190.00	-320.43	42.84	-372.75	-8043.04	1.693e+04	-315.06
3	33	430.00	-317.72	42.84	-372.75	-8043.04	1.693e+04	-550.49
3	34	190.00	-320.42	-42.84	372.75	8043.04	-1.693e+04	315.06
3	34	430.00	-317.71	-42.84	372.75	8043.04	-1.693e+04	550.49
3	35	190.00	-320.43	-42.84	-372.75	8038.13	1.693e+04	-315.06
3	35	430.00	-317.72	-42.84	-372.75	8038.13	1.693e+04	-550.49
3	36	190.00	-320.43	133.46	110.27	-2.412e+04	-5130.00	-81.65
3	36	430.00	-317.71	133.46	110.27	-2.412e+04	-5130.00	-143.09
3	37	190.00	-320.43	133.46	-110.27	-2.412e+04	5130.00	81.65
3	37	430.00	-317.71	133.46	-110.27	-2.412e+04	5130.00	143.09
3	38	190.00	-320.43	-133.46	110.27	2.412e+04	-5130.00	-81.65
3	38	430.00	-317.71	-133.46	110.27	2.412e+04	-5130.00	-143.09
3	39	190.00	-320.43	-133.46	-110.27	2.412e+04	5130.00	81.65
3	39	430.00	-317.71	-133.46	-110.27	2.412e+04	5130.00	143.09
3	40	190.00	-320.43	133.46	110.27	-2.412e+04	-5130.00	81.65
3	40	430.00	-317.71	133.46	110.27	-2.412e+04	-5130.00	143.09
3	41	190.00	-320.43	133.46	-110.27	-2.412e+04	5130.00	-81.65
3	41	430.00	-317.72	133.46	-110.27	-2.412e+04	5130.00	-143.09
3	42	190.00	-320.43	-133.46	110.27	2.412e+04	-5130.00	81.65
3	42	430.00	-317.71	-133.46	110.27	2.412e+04	-5130.00	143.09
3	43	190.00	-320.43	-133.46	-110.27	2.412e+04	5130.00	-81.65
3	43	430.00	-317.72	-133.46	-110.27	2.412e+04	5130.00	-143.09
3	44	190.00	-320.43	133.46	110.27	-2.412e+04	-5130.00	81.65
3	44	430.00	-317.71	133.46	110.27	-2.412e+04	-5130.00	143.09
3	45	190.00	-320.43	133.46	-110.27	-2.412e+04	5130.00	81.65
3	45	430.00	-317.71	133.46	-110.27	-2.412e+04	5130.00	143.09
3	46	190.00	-320.43	-133.46	110.27	2.412e+04	-5130.00	-81.65
3	46	430.00	-317.71	-133.46	110.27	2.412e+04	-5130.00	-143.09

3	47	190.00	-320.43	-133.46	-110.27	2.412e+04	5130.00	81.65
3	47	430.00	-317.71	-133.46	-110.27	2.412e+04	5130.00	143.09
3	48	190.00	-320.43	133.46	110.27	-2.412e+04	-5130.00	81.65
3	48	430.00	-317.71	133.46	110.27	-2.412e+04	-5130.00	143.09
3	49	190.00	-320.43	133.46	-110.27	-2.412e+04	5130.00	-81.65
3	49	430.00	-317.72	133.46	-110.27	-2.412e+04	5130.00	-143.09
3	50	190.00	-320.43	-133.46	110.27	2.412e+04	-5130.00	81.65
3	50	430.00	-317.71	-133.46	110.27	2.412e+04	-5130.00	143.09
3	51	190.00	-320.43	-133.46	-110.27	2.412e+04	5130.00	-81.65
3	51	430.00	-317.72	-133.46	-110.27	2.412e+04	5130.00	-143.09
3	52	190.00	-320.43	40.04	367.58	-7234.51	-1.710e+04	-272.16
3	52	430.00	-317.71	40.04	367.58	-7234.51	-1.710e+04	-476.96
3	53	190.00	-320.43	40.04	-367.58	-7235.21	1.710e+04	272.16
3	53	430.00	-317.71	40.04	-367.58	-7235.21	1.710e+04	476.96
3	54	190.00	-320.43	-40.04	367.58	7235.21	-1.710e+04	-272.16
3	54	430.00	-317.71	-40.04	367.58	7235.21	-1.710e+04	-476.96
3	55	190.00	-320.43	-40.04	-367.58	7234.51	1.710e+04	272.16
3	55	430.00	-317.71	-40.04	-367.58	7234.51	1.710e+04	476.96
3	56	190.00	-320.43	40.04	367.58	-7234.51	-1.710e+04	-272.16
3	56	430.00	-317.71	40.04	367.58	-7234.51	-1.710e+04	-476.96
3	57	190.00	-320.43	40.04	-367.58	-7235.21	1.710e+04	272.16
3	57	430.00	-317.71	40.04	-367.58	-7235.21	1.710e+04	476.96
3	58	190.00	-320.43	-40.04	367.58	7235.21	-1.710e+04	-272.16
3	58	430.00	-317.71	-40.04	367.58	7235.21	-1.710e+04	-476.96
3	59	190.00	-320.43	-40.04	-367.58	7234.51	1.710e+04	272.16
3	59	430.00	-317.71	-40.04	-367.58	7234.51	1.710e+04	476.96
3	60	190.00	-320.42	40.04	367.58	-7233.64	-1.710e+04	272.16
3	60	430.00	-317.71	40.04	367.58	-7233.64	-1.710e+04	476.96
3	61	190.00	-320.43	40.04	-367.58	-7236.09	1.710e+04	-272.16
3	61	430.00	-317.72	40.04	-367.58	-7236.09	1.710e+04	-476.96
3	62	190.00	-320.42	-40.04	367.58	7236.09	-1.710e+04	272.16
3	62	430.00	-317.71	-40.04	367.58	7236.09	-1.710e+04	476.96
3	63	190.00	-320.43	-40.04	-367.58	7233.64	1.710e+04	-272.16
3	63	430.00	-317.72	-40.04	-367.58	7233.64	1.710e+04	-476.96
3	64	190.00	-320.42	40.04	367.58	-7233.64	-1.710e+04	272.16
3	64	430.00	-317.71	40.04	367.58	-7233.64	-1.710e+04	476.96
3	65	190.00	-320.43	40.04	-367.58	-7236.09	1.710e+04	-272.16
3	65	430.00	-317.72	40.04	-367.58	-7236.09	1.710e+04	-476.96
3	66	190.00	-320.42	-40.04	367.58	7236.09	-1.710e+04	272.16
3	66	430.00	-317.71	-40.04	367.58	7236.09	-1.710e+04	476.96
3	67	190.00	-320.43	-40.04	-367.58	7233.64	1.710e+04	-272.16
3	67	430.00	-317.72	-40.04	-367.58	7233.64	1.710e+04	-476.96
3	68	190.00	-320.43	0.0	-179.35	0.0	-1.712e+04	0.0
3	68	430.00	-317.71	0.0	236.48	0.0	-8320.25	0.0
3	69	190.00	-320.43	0.0	0.0	0.0	0.0	0.0
3	69	430.00	-317.71	0.0	0.0	0.0	0.0	0.0
3	70	190.00	-320.43	0.0	0.0	0.0	0.0	0.0
3	70	430.00	-317.71	0.0	0.0	0.0	0.0	0.0

**M\_S**

**N memb.**

**V memb.**

**V orto**

**M memb.**

**M orto**

**T**

-416.56  
-317.71

-142.81  
142.81

-1345.15  
1773.63

-2.680e+04  
2.680e+04

-1.284e+05  
1.710e+04

-550.49  
550.49

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	4.17	-0.63	2.62	0.91	2.24	-12.09	-607.49	-13.83	-605.75	-32.13
1	1	2	-0.68	-1.71	-0.68	-1.71	4.35e-02	123.73	-306.83	-190.32	7.21	191.29
1	1	3	1.39	-2.24	-1.79	0.94	1.20	-3.44	-18.77	-18.73	-3.48	-0.83
1	1	4	4.17	-0.63	2.62	0.91	-2.24	-12.09	-607.49	-13.83	-605.75	32.13
1	1	5	1.39	-2.24	-1.79	0.94	-1.20	-3.44	-18.77	-18.73	-3.48	0.83
1	1	6	-0.68	-1.71	-0.68	-1.71	-4.35e-02	123.73	-306.83	-190.32	7.21	-191.29
1	1	9	0.81	-0.47	0.78	-0.44	-0.19	-129.50	-616.08	-129.53	-616.04	-4.15
1	1	10	0.88	-1.38	-1.37	0.88	-0.11	8.63	-2.30	6.51	-0.18	-4.32
1	1	11	0.50	-0.24	0.30	-3.27e-02	-0.33	-115.42	-609.38	-115.59	-609.21	-9.23
1	1	12	0.89	-0.64	-0.64	0.88	-9.85e-02	5.72	-0.89	3.45	1.37	-3.14
1	1	13	0.53	-0.16	0.36	1.30e-02	-0.30	-116.67	-610.29	-116.69	-610.27	-3.00
1	1	14	0.91	-0.12	-0.12	0.91	-3.71e-02	3.86	-0.63	2.70	0.52	-1.96
1	1	15	0.44	-1.88e-02	0.43	-1.43e-02	-4.49e-02	-118.25	-611.38	-118.26	-611.37	-2.32

1	1	16	0.93	0.16	0.16	0.93	-1.71e-05	3.75	-0.70	3.47	-0.43	-1.08
1	1	17	0.42	-6.33e-02	0.36	-6.91e-04	0.16	-117.48	-610.85	-117.49	-610.84	-2.19
1	1	18	0.90	-3.23e-02	-3.13e-02	0.90	3.02e-02	2.61	0.32	2.57	0.36	-0.31
1	1	19	0.25	1.22e-02	0.24	2.24e-02	4.86e-02	-116.05	-609.93	-116.07	-609.91	3.04
1	1	20	0.88	-0.26	-0.26	0.88	8.07e-03	3.00	0.33	2.36	0.97	1.14
1	1	21	0.35	-2.43e-02	0.32	2.01e-03	-9.58e-02	-117.21	-610.65	-117.30	-610.56	6.72
1	1	22	0.90	-0.20	-0.20	0.90	-1.77e-02	5.62	-0.76	4.92	-5.68e-02	1.99
1	1	23	0.40	-2.38e-02	0.39	-1.83e-02	4.80e-02	-118.36	-611.16	-118.37	-611.15	2.84
1	1	24	0.92	-0.11	-0.11	0.92	8.08e-03	7.20	-1.20	7.03	-1.02	1.20
1	1	25	0.40	-8.21e-02	0.32	2.01e-05	0.18	-117.38	-610.54	-117.38	-610.54	-1.64
1	1	26	0.90	-0.37	-0.37	0.90	3.21e-02	5.97	-0.15	5.97	-0.15	8.52e-02
1	1	27	0.23	2.19e-02	0.23	2.19e-02		-116.05	-609.75	-116.05	-609.75	
1	1	28	0.88	-0.55	-0.55	0.88		4.68	0.68	4.68	0.68	
1	1	29	0.40	-8.21e-02	0.32	2.01e-05	-0.18	-117.38	-610.54	-117.38	-610.54	1.64
1	1	30	0.90	-0.37	-0.37	0.90	-3.21e-02	5.97	-0.15	5.97	-0.15	-8.52e-02
1	1	31	0.40	-2.38e-02	0.39	-1.83e-02	4.80e-02	-118.36	-611.16	-118.37	-611.15	-2.84
1	1	32	0.92	-0.11	-0.11	0.92	-8.08e-03	7.20	-1.20	7.03	-1.02	-1.20
1	1	33	0.35	-2.43e-02	0.32	2.01e-03	9.58e-02	-117.21	-610.65	-117.30	-610.56	-6.72
1	1	34	0.90	-0.20	-0.20	0.90	1.77e-02	5.62	-0.76	4.92	-5.68e-02	-1.99
1	1	35	0.25	1.22e-02	0.24	2.24e-02	-4.86e-02	-116.05	-609.93	-116.07	-609.91	-3.04
1	1	36	0.88	-0.26	-0.26	0.88	-8.07e-03	3.00	0.33	2.36	0.97	-1.14
1	1	37	0.42	-6.33e-02	0.36	-6.91e-04	-0.16	-117.48	-610.85	-117.49	-610.84	2.19
1	1	38	0.90	-3.23e-02	-3.13e-02	0.90	-3.02e-02	2.61	0.32	2.57	0.36	0.31
1	1	39	0.44	-1.88e-02	0.43	-1.43e-02	4.49e-02	-118.25	-611.38	-118.26	-611.37	2.32
1	1	40	0.93	0.16	0.16	0.93	1.71e-05	3.75	-0.70	3.47	-0.43	1.08
1	1	41	0.53	-0.16	0.36	1.30e-02	0.30	-116.67	-610.29	-116.69	-610.27	3.00
1	1	42	0.91	-0.12	-0.12	0.91	3.71e-02	3.86	-0.63	2.70	0.52	1.96
1	1	43	0.50	-0.24	0.30	-3.27e-02	0.33	-115.42	-609.38	-115.59	-609.21	9.23
1	1	44	0.89	-0.64	-0.64	0.88	9.85e-02	5.72	-0.89	3.45	1.37	3.14
1	1	45	0.81	-0.47	0.78	-0.44	0.19	-129.50	-616.08	-129.53	-616.04	4.15
1	1	46	0.88	-1.38	-1.37	0.88	0.11	8.63	-2.30	6.51	-0.18	4.32
1	1	47	1.97	-0.66	1.88	-0.57	0.48	13.72	-6.85	6.81	5.61e-02	-9.72
1	1	48	1.62	-0.82	1.62	-0.82	-7.78e-02	7.44	-3.84	6.80	-3.20	-2.61
1	1	49	0.94	-0.90	0.93	-0.90	-6.99e-02	8.74	-1.31	8.16	-0.73	-2.33
1	1	50	0.56	-0.91	0.56	-0.91	-5.08e-03	5.37	0.57	5.09	0.85	-1.13
1	1	51	0.72	-0.90	0.72	-0.90	5.04e-02	6.98	-0.24	6.98	-0.24	-4.95e-02
1	1	52	0.96	-0.90	0.96	-0.90	9.78e-03	8.93	-1.60	8.80	-1.46	1.20
1	1	53	0.85	-0.90	0.85	-0.90	-3.77e-02	5.41	-0.53	4.79	8.96e-02	1.82
1	1	54	0.73	-0.91	0.73	-0.91	7.21e-03	2.45	1.95e-02	1.07	1.40	1.21
1	1	55	1.00	-0.90	0.99	-0.90	5.23e-02	3.64	0.19	3.62	0.21	0.30
1	1	56	1.22	-0.90	1.22	-0.90		6.46	-1.17	6.46	-1.17	
1	1	57	1.00	-0.90	0.99	-0.90	-5.23e-02	3.64	0.19	3.62	0.21	-0.30
1	1	58	0.73	-0.91	0.73	-0.91	-7.21e-03	2.45	1.95e-02	1.07	1.40	-1.21
1	1	59	0.85	-0.90	0.85	-0.90	3.77e-02	5.41	-0.53	4.79	8.96e-02	-1.82
1	1	60	0.96	-0.90	0.96	-0.90	-9.78e-03	8.93	-1.60	8.80	-1.46	-1.20
1	1	61	0.72	-0.90	0.72	-0.90	-5.04e-02	6.98	-0.24	6.98	-0.24	4.95e-02
1	1	62	0.56	-0.91	0.56	-0.91	5.08e-03	5.37	0.57	5.09	0.85	1.13
1	1	64	1.62	-0.82	1.62	-0.82	7.78e-02	7.44	-3.84	6.80	-3.20	2.61
1	1	65	1.97	-0.66	1.88	-0.57	-0.48	13.72	-6.85	6.81	5.61e-02	9.72
1	2	1	3.70	-0.98	2.02	0.70	2.24	-8.38	-468.22	-10.64	-465.96	-32.13
1	2	2	-0.37	-1.65	-0.40	-1.62	0.18	110.25	-269.66	-166.20	6.78	169.12
1	2	3	1.41	-1.89	-1.50	1.03	1.06	22.58	-21.09	5.39	-3.91	21.33
1	2	4	3.70	-0.98	2.02	0.70	-2.24	-8.38	-468.22	-10.64	-465.96	32.13
1	2	5	1.41	-1.89	-1.50	1.03	-1.06	22.58	-21.09	5.39	-3.91	-21.33
1	2	6	-0.37	-1.65	-0.40	-1.62	-0.18	110.25	-269.66	-166.20	6.78	-169.12
1	2	9	0.64	-0.38	0.60	-0.34	-0.19	-99.59	-473.92	-99.64	-473.88	-4.15
1	2	10	0.84	-1.43	-1.43	0.84	-3.92e-02	7.98	-3.17	4.97	-0.16	-4.95
1	2	11	0.46	-0.25	0.23	-2.52e-02	-0.33	-88.69	-468.84	-88.91	-468.62	-9.23
1	2	12	0.88	-0.76	-0.75	0.87	-9.61e-02	5.02	-1.17	2.27	1.59	-3.08
1	2	13	0.47	-0.19	0.27	1.00e-02	-0.30	-89.74	-469.46	-89.76	-469.44	-3.00
1	2	14	0.91	-0.21	-0.21	0.91	-4.09e-02	3.05	-1.05	1.45	0.55	-2.00
1	2	15	0.34	-1.68e-02	0.33	-1.10e-02	-4.49e-02	-90.96	-470.30	-90.97	-470.29	-2.32
1	2	16	0.93	7.62e-02	7.62e-02	0.93	-6.01e-04	2.84	-0.83	2.49	-0.47	-1.09
1	2	17	0.35	-7.57e-02	0.28	-5.31e-04	0.16	-90.37	-469.89	-90.38	-469.88	-2.19
1	2	18	0.90	-0.11	-0.11	0.90	3.25e-02	1.53	0.28	1.47	0.35	-0.28
1	2	19	0.20	4.38e-03	0.19	1.72e-02	4.86e-02	-89.26	-469.19	-89.28	-469.16	3.04
1	2	20	0.88	-0.34	-0.34	0.88	8.27e-03	2.19	-9.28e-02	1.08	1.02	1.14
1	2	21	0.28	-3.11e-02	0.25	1.55e-03	-9.58e-02	-90.11	-469.78	-90.23	-469.66	6.72
1	2	22	0.90	-0.28	-0.28	0.90	-2.00e-02	4.63	-0.89	3.80	-6.06e-02	1.97
1	2	23	0.31	-2.12e-02	0.30	-1.41e-02	4.80e-02	-91.04	-470.13	-91.06	-470.11	2.84
1	2	24	0.92	-0.18	-0.18	0.92	7.98e-03	6.29	-1.26	6.09	-1.07	1.20
1	2	25	0.34	-9.65e-02	0.25	1.54e-05	0.18	-90.29	-469.65	-90.29	-469.64	-1.64
1	2	26	0.90	-0.44	-0.44	0.90	3.44e-02	4.86	-0.16	4.86	-0.15	0.11
1	2	27	0.17	1.68e-02	0.17	1.68e-02		-89.27	-469.04	-89.27	-469.04	
1	2	28	0.88	-0.63	-0.63	0.88		3.40	0.73	3.40	0.73	

1	2	29	0.34	-9.65e-02	0.25	1.54e-05	-0.18	-90.29	-469.65	-90.29	-469.64	1.64
1	2	30	0.90	-0.44	-0.44	0.90	-3.44e-02	4.86	-0.16	4.86	-0.15	-0.11
1	2	31	0.31	-2.12e-02	0.30	-1.41e-02	-4.80e-02	-91.04	-470.13	-91.06	-470.11	-2.84
1	2	32	0.92	-0.18	-0.18	0.92	-7.98e-03	6.29	-1.26	6.09	-1.07	-1.20
1	2	33	0.28	-3.11e-02	0.25	1.55e-03	9.58e-02	-90.11	-469.78	-90.23	-469.66	-6.72
1	2	34	0.90	-0.28	-0.28	0.90	2.00e-02	4.63	-0.89	3.80	-6.06e-02	-1.97
1	2	35	0.20	4.38e-03	0.19	1.72e-02	-4.86e-02	-89.26	-469.19	-89.28	-469.16	-3.04
1	2	36	0.88	-0.34	-0.34	0.88	-8.27e-03	2.19	-9.28e-02	1.08	1.02	-1.14
1	2	37	0.35	-7.57e-02	0.28	-5.31e-04	-0.16	-90.37	-469.89	-90.38	-469.88	2.19
1	2	38	0.90	-0.11	-0.11	0.90	-3.25e-02	1.53	0.28	1.47	0.35	0.28
1	2	39	0.34	-1.68e-02	0.33	-1.10e-02	4.49e-02	-90.96	-470.30	-90.97	-470.29	2.32
1	2	40	0.93	7.62e-02	7.62e-02	0.93	6.01e-04	2.84	-0.83	2.49	-0.47	1.09
1	2	41	0.47	-0.19	0.27	1.00e-02	0.30	-89.74	-469.46	-89.76	-469.44	3.00
1	2	42	0.91	-0.21	-0.21	0.91	4.09e-02	3.05	-1.05	1.45	0.55	2.00
1	2	43	0.46	-0.25	0.23	-2.52e-02	0.33	-88.69	-468.84	-88.91	-468.62	9.23
1	2	44	0.88	-0.76	-0.75	0.87	9.61e-02	5.02	-1.17	2.27	1.59	3.08
1	2	45	0.64	-0.38	0.60	-0.34	0.19	-99.59	-473.92	-99.64	-473.88	4.15
1	2	46	0.84	-1.43	-1.43	0.84	3.92e-02	7.98	-3.17	4.97	-0.16	4.95
1	2	47	1.89	-0.67	1.82	-0.60	0.41	12.13	-6.79	5.27	6.99e-02	-9.09
1	2	48	1.51	-0.83	1.51	-0.82	-8.02e-02	6.38	-3.75	5.62	-2.99	-2.67
1	2	49	0.84	-0.90	0.84	-0.90	-6.61e-02	7.54	-1.34	6.91	-0.71	-2.29
1	2	50	0.48	-0.91	0.48	-0.91	-4.49e-03	4.45	0.45	4.10	0.80	-1.12
1	2	51	0.64	-0.90	0.64	-0.90	4.81e-02	5.88	-0.25	5.88	-0.25	-7.93e-02
1	2	52	0.88	-0.90	0.88	-0.90	9.59e-03	7.66	-1.56	7.51	-1.40	1.19
1	2	53	0.78	-0.90	0.78	-0.90	-3.54e-02	4.45	-0.69	3.67	8.58e-02	1.84
1	2	54	0.66	-0.91	0.66	-0.91	7.31e-03	2.10	-0.60	0.14	1.36	1.20
1	2	55	0.92	-0.90	0.92	-0.90	4.99e-02	2.54	0.17	2.51	0.21	0.28
1	2	56	1.14	-0.89	1.14	-0.89	-0.89	5.18	-1.11	5.18	-1.11	-0.28
1	2	57	0.92	-0.90	0.92	-0.90	-4.99e-02	2.54	0.17	2.51	0.21	-0.28
1	2	58	0.66	-0.91	0.66	-0.91	-7.31e-03	2.10	-0.60	0.14	1.36	-1.20
1	2	59	0.78	-0.90	0.78	-0.90	3.54e-02	4.45	-0.69	3.67	8.58e-02	-1.84
1	2	60	0.88	-0.90	0.88	-0.90	-9.59e-03	7.66	-1.56	7.51	-1.40	-1.19
1	2	61	0.64	-0.90	0.64	-0.90	-4.81e-02	5.88	-0.25	5.88	-0.25	7.93e-02
1	2	62	0.48	-0.91	0.48	-0.91	4.49e-03	4.45	0.45	4.10	0.80	1.12
1	2	63	0.84	-0.90	0.84	-0.90	6.61e-02	7.54	-1.34	6.91	-0.71	2.29
1	2	64	1.51	-0.83	1.51	-0.82	8.02e-02	6.38	-3.75	5.62	-2.99	2.67
1	2	65	1.89	-0.67	1.82	-0.60	-0.41	12.13	-6.79	5.27	6.99e-02	9.09
1	3	1	2.99	-0.27	2.02	0.70	1.49	-9.63	-466.97	-10.64	-465.96	-21.42
1	3	2	-0.58	-1.18	-0.58	-1.18	-3.01e-02	88.48	-221.08	-137.60	5.00	137.38
1	3	3	0.91	-1.65	-1.32	0.59	0.86	2.14	-27.48	-23.20	-2.13	-10.41
1	3	4	2.99	-0.27	2.02	0.70	-1.49	-9.63	-466.97	-10.64	-465.96	21.42
1	3	5	0.91	-1.65	-1.32	0.59	-0.86	2.14	-27.48	-23.20	-2.13	10.41
1	3	6	-0.58	-1.18	-0.58	-1.18	3.01e-02	88.48	-221.08	-137.60	5.00	-137.38
1	3	9	0.62	-0.36	0.60	-0.34	-0.13	-99.62	-473.90	-99.64	-473.88	-2.77
1	3	10	0.61	-0.89	-0.89	0.60	-0.10	6.11	-1.21	5.02	-0.12	-2.61
1	3	11	0.36	-0.15	0.23	-2.52e-02	-0.22	-88.81	-468.72	-88.91	-468.62	-6.15
1	3	12	0.59	-0.38	-0.37	0.59	-6.67e-02	4.17	-0.52	2.82	0.82	-2.12
1	3	13	0.38	-0.10	0.27	1.00e-02	-0.20	-89.75	-469.45	-89.76	-469.44	-2.00
1	3	14	0.61	-3.56e-02	-3.48e-02	0.61	-2.31e-02	2.99	-0.29	2.36	0.34	-1.29
1	3	15	0.34	-1.36e-02	0.33	-1.10e-02	-2.99e-02	-90.97	-470.29	-90.97	-470.29	-1.54
1	3	16	0.62	0.14	0.14	0.62	2.48e-04	2.92	-0.42	2.76	-0.26	-0.72
1	3	17	0.31	-3.80e-02	0.28	-5.31e-04	0.11	-90.37	-469.88	-90.38	-469.88	-1.46
1	3	18	0.60	1.39e-02	1.45e-02	0.60	1.91e-02	2.23	0.23	2.20	0.25	-0.22
1	3	19	0.19	1.13e-02	0.19	1.72e-02	3.24e-02	-89.27	-469.18	-89.28	-469.16	2.03
1	3	20	0.59	-0.14	-0.14	0.59	5.29e-03	2.46	0.31	2.15	0.62	0.75
1	3	21	0.27	-1.39e-02	0.25	1.55e-03	-6.39e-02	-90.18	-469.71	-90.23	-469.66	4.48
1	3	22	0.60	-0.10	-0.10	0.60	-1.08e-02	4.20	-0.46	3.78	-3.62e-02	1.34
1	3	23	0.31	-1.73e-02	0.30	-1.41e-02	3.20e-02	-91.05	-470.12	-91.06	-470.11	1.90
1	3	24	0.62	-3.92e-02	-3.92e-02	0.62	5.43e-03	5.21	-0.77	5.10	-0.66	0.80
1	3	25	0.30	-4.96e-02	0.25	1.54e-05	0.12	-90.29	-469.65	-90.29	-469.64	-1.10
1	3	26	0.60	-0.21	-0.21	0.60	2.04e-02	4.47	-9.42e-02	4.47	-9.38e-02	4.57e-02
1	3	27	0.17	1.68e-02	0.17	1.68e-02	-0.17	-89.27	-469.04	-89.27	-469.04	-0.43
1	3	28	0.58	-0.34	-0.34	0.58	0.58	3.69	0.43	3.69	0.43	0.43
1	3	29	0.30	-4.96e-02	0.25	1.54e-05	-0.12	-90.29	-469.65	-90.29	-469.64	1.10
1	3	30	0.60	-0.21	-0.21	0.60	-2.04e-02	4.47	-9.42e-02	4.47	-9.38e-02	-4.57e-02
1	3	31	0.31	-1.73e-02	0.30	-1.41e-02	-3.20e-02	-91.05	-470.12	-91.06	-470.11	-1.90
1	3	32	0.62	-3.92e-02	-3.92e-02	0.62	-5.43e-03	5.21	-0.77	5.10	-0.66	-0.80
1	3	33	0.27	-1.39e-02	0.25	1.55e-03	6.39e-02	-90.18	-469.71	-90.23	-469.66	-4.48
1	3	34	0.60	-0.10	-0.10	0.60	1.08e-02	4.20	-0.46	3.78	-3.62e-02	-1.34
1	3	35	0.19	1.13e-02	0.19	1.72e-02	-3.24e-02	-89.27	-469.18	-89.28	-469.16	-2.03
1	3	36	0.59	-0.14	-0.14	0.59	-5.29e-03	2.46	0.31	2.15	0.62	-0.75
1	3	37	0.31	-3.80e-02	0.28	-5.31e-04	-0.11	-90.37	-469.88	-90.38	-469.88	1.46
1	3	38	0.60	1.39e-02	1.45e-02	0.60	-1.91e-02	2.23	0.23	2.20	0.25	0.22
1	3	39	0.34	-1.36e-02	0.33	-1.10e-02	2.99e-02	-90.97	-470.29	-90.97	-470.29	1.54
1	3	40	0.62	0.14	0.14	0.62	-2.48e-04	2.92	-0.42	2.76	-0.26	0.72

1	3	41	0.38	-0.10	0.27	1.00e-02	0.20	-89.75	-469.45	-89.76	-469.44	2.00
1	3	42	0.61	-3.56e-02	-3.48e-02	0.61	2.31e-02	2.99	-0.29	2.36	0.34	1.29
1	3	43	0.36	-0.15	0.23	-2.52e-02	0.22	-88.81	-468.72	-88.91	-468.62	6.15
1	3	44	0.59	-0.38	-0.37	0.59	6.67e-02	4.17	-0.52	2.82	0.82	2.12
1	3	45	0.62	-0.36	0.60	-0.34	0.13	-99.62	-473.90	-99.64	-473.88	2.77
1	3	46	0.61	-0.89	-0.89	0.60	0.10	6.11	-1.21	5.02	-0.12	2.61
1	3	47	1.35	-0.43	1.28	-0.36	0.35	9.86	-4.61	5.22	3.13e-02	-6.75
1	3	48	1.13	-0.54	1.13	-0.54	-5.08e-02	5.44	-2.61	5.06	-2.23	-1.71
1	3	49	0.67	-0.60	0.66	-0.60	-4.83e-02	6.36	-0.86	6.00	-0.50	-1.57
1	3	50	0.41	-0.61	0.41	-0.61	-3.64e-03	4.00	0.42	3.83	0.59	-0.76
1	3	51	0.52	-0.60	0.52	-0.60	3.47e-02	5.15	-0.15	5.15	-0.15	-1.97e-02
1	3	52	0.68	-0.60	0.68	-0.60	6.61e-03	6.52	-1.08	6.44	-1.00	0.80
1	3	53	0.60	-0.60	0.60	-0.60	-2.62e-02	4.05	-0.30	3.69	6.14e-02	1.20
1	3	54	0.52	-0.61	0.52	-0.61	4.76e-03	1.85	0.23	1.13	0.95	0.80
1	3	55	0.70	-0.60	0.70	-0.60	3.59e-02	2.92	0.13	2.90	0.15	0.21
1	3	56	0.85	-0.60	0.85	-0.60	0.85	4.88	-0.81	4.88	-0.81	0.21
1	3	57	0.70	-0.60	0.70	-0.60	-3.59e-02	2.92	0.13	2.90	0.15	-0.21
1	3	58	0.52	-0.61	0.52	-0.61	-4.76e-03	1.85	0.23	1.13	0.95	-0.80
1	3	59	0.60	-0.60	0.60	-0.60	2.62e-02	4.05	-0.30	3.69	6.14e-02	-1.20
1	3	60	0.68	-0.60	0.68	-0.60	-6.61e-03	6.52	-1.08	6.44	-1.00	-0.80
1	3	61	0.52	-0.60	0.52	-0.60	-3.47e-02	5.15	-0.15	5.15	-0.15	1.97e-02
1	3	62	0.41	-0.61	0.41	-0.61	3.64e-03	4.00	0.42	3.83	0.59	0.76
1	3	63	0.67	-0.60	0.66	-0.60	4.83e-02	6.36	-0.86	6.00	-0.50	1.57
1	3	64	1.13	-0.54	1.13	-0.54	5.08e-02	5.44	-2.61	5.06	-2.23	1.71
1	3	65	1.35	-0.43	1.28	-0.36	-0.35	9.86	-4.61	5.22	3.13e-02	6.75
1	4	1	2.26	0.47	2.25	0.48	9.75e-02	-11.80	-444.18	-11.80	-444.17	1.87
1	4	2	5.53e-02	-0.98	-0.52	-0.40	-0.51	47.88	-122.71	-80.30	5.47	73.73
1	4	3	-2.38e-03	-1.43	-0.82	-0.62	0.71	73.95	-115.28	-82.33	41.00	-71.75
1	4	4	1.79	0.93	1.78	0.93	-4.15e-02	-9.43	-487.80	-9.47	-487.76	4.51
1	4	5	9.58e-02	-1.39	-1.32	2.48e-02	-0.32	55.36	-124.22	-76.22	7.36	79.48
1	4	6	-0.14	-1.20	-1.14	-0.19	0.23	7.28	-138.13	-82.75	-48.09	-70.61
1	4	9	1.19	-0.34	1.19	-0.34	6.47e-02	-102.01	-454.01	-102.05	-453.96	4.10
1	4	10	0.53	0.23	0.52	0.24	5.09e-02	41.13	2.19	3.38	39.94	6.70
1	4	11	1.32	-4.86e-02	1.32	-4.84e-02	1.80e-02	-93.07	-451.39	-93.20	-451.27	6.62
1	4	12	1.03	-5.50e-02	0.94	3.45e-02	0.30	39.13	-6.05e-02	1.44	37.63	7.52
1	4	13	1.64	-1.41e-02	1.64	-1.41e-02	5.36e-03	-94.91	-454.50	-95.13	-454.28	8.91
1	4	14	1.24	-0.11	1.12	8.58e-03	0.38	38.46	-2.28	0.49	35.70	10.25
1	4	15	1.81	-3.25e-02	1.81	-3.24e-02	9.72e-03	-96.57	-457.70	-96.91	-457.35	11.21
1	4	16	1.35	-0.13	1.20	2.37e-02	0.45	37.86	-4.81	-0.84	33.89	12.40
1	4	17	1.73	-2.07e-02	1.73	-2.06e-02	1.27e-02	-95.88	-459.72	-96.36	-459.24	13.29
1	4	18	1.35	-0.16	1.15	3.54e-02	0.51	37.31	-5.52	-5.65e-02	31.85	14.28
1	4	19	1.48	2.51e-03	1.48	2.58e-03	1.03e-02	-93.86	-461.21	-94.46	-460.60	14.94
1	4	20	1.28	-0.21	1.01	5.98e-02	0.58	37.45	-5.36	1.84	30.25	16.02
1	4	21	1.28	-6.71e-03	1.28	-6.66e-03	8.00e-03	-93.45	-463.81	-94.17	-463.09	16.28
1	4	22	1.13	-0.28	0.76	8.89e-02	0.62	37.48	-6.13	2.78	28.57	17.58
1	4	23	1.03	-2.09e-02	1.03	-2.08e-02	7.04e-03	-93.15	-466.63	-93.96	-465.81	17.42
1	4	24	0.94	-0.39	0.45	0.11	0.64	37.30	-6.68	3.71	26.91	18.68
1	4	25	0.65	-6.12e-03	0.65	-6.09e-03	4.01e-03	-91.18	-468.53	-92.06	-467.65	18.19
1	4	26	0.76	-0.54	0.11	0.11	0.65	36.97	-5.90	6.08	25.00	19.23
1	4	27	0.17	1.68e-02	0.17	1.68e-02	-7.84e-05	-88.38	-469.93	-89.27	-469.04	18.41
1	4	28	0.64	-0.73	-0.23	0.14	0.66	37.17	-4.57	8.97	23.63	19.54
1	4	29	6.19e-03	-0.15	-0.15	6.13e-03	-3.13e-03	-87.66	-472.51	-88.53	-471.64	18.27
1	4	30	0.55	-0.96	-0.58	0.16	0.66	36.65	-4.27	10.44	21.94	19.64
1	4	31	-7.24e-03	-0.43	-0.43	-7.33e-03	-6.11e-03	-87.32	-475.24	-88.15	-474.41	17.93
1	4	32	0.46	-1.19	-0.90	0.17	0.63	35.61	-3.77	11.59	20.25	19.21
1	4	33	9.91e-03	-0.78	-0.78	9.76e-03	-1.06e-02	-85.53	-476.99	-86.29	-476.23	17.24
1	4	34	0.40	-1.37	-1.15	0.18	0.59	34.49	-2.29	13.87	18.34	18.25
1	4	35	3.21e-02	-1.10	-1.10	3.19e-02	-1.61e-02	-83.45	-478.37	-84.10	-477.72	16.01
1	4	36	0.38	-1.48	-1.29	0.20	0.55	33.73	-0.55	16.19	17.00	17.14
1	4	37	1.99e-02	-1.18	-1.18	1.95e-02	-2.14e-02	-83.87	-481.05	-84.39	-480.52	14.47
1	4	38	0.36	-1.51	-1.37	0.22	0.50	31.75	0.11	16.68	15.17	15.80
1	4	39	1.09e-02	-1.15	-1.15	1.04e-02	-2.47e-02	-84.62	-483.63	-85.03	-483.22	12.78
1	4	40	0.33	-1.40	-1.30	0.23	0.41	29.10	1.18	16.82	13.46	13.86
1	4	41	3.45e-02	-1.10	-1.10	3.41e-02	-1.93e-02	-84.11	-484.88	-84.39	-484.59	10.68
1	4	42	0.31	-1.13	-1.05	0.23	0.33	26.54	2.95	17.95	11.54	11.35
1	4	43	-1.94e-03	-0.86	-0.86	-2.00e-03	-7.27e-03	-84.48	-486.13	-84.63	-485.97	7.90
1	4	44	0.33	-0.75	-0.66	0.25	0.29	23.15	4.04	17.19	10.00	8.85
1	4	45	1.20e-02	-0.34	1.07e-02	-0.34	-2.14e-02	-97.17	-493.85	-97.23	-493.80	4.68
1	4	46	0.54	-0.60	-0.43	0.36	0.41	15.36	6.53	13.55	8.34	3.57
1	4	47	0.91	-4.39e-02	0.90	-3.74e-02	7.84e-02	2.52	-0.18	2.51	-0.17	0.12
1	4	48	1.60	-0.16	1.56	-0.12	-0.26	2.51	-8.69	-1.88	-4.30	5.47
1	4	49	1.85	-0.21	1.78	-0.14	-0.37	3.45	-11.96	-2.96	-5.55	7.60
1	4	50	1.98	-0.23	1.89	-0.14	-0.43	3.79	-16.05	-4.55	-7.71	9.80
1	4	51	2.01	-0.26	1.90	-0.15	-0.49	4.78	-19.70	-4.48	-10.45	11.87
1	4	52	1.97	-0.31	1.82	-0.16	-0.56	5.87	-22.98	-3.61	-13.50	13.54



1	4	53	1.81	-0.33	1.63	-0.14	-0.61	6.56	-25.36	-3.36	-15.43	14.77
1	4	54	1.59	-0.36	1.36	-0.14	-0.63	6.75	-28.10	-3.33	-18.03	15.80
1	4	55	1.33	-0.43	1.05	-0.15	-0.64	7.63	-30.62	-2.05	-20.93	16.63
1	4	56	1.09	-0.51	0.74	-0.15	-0.66	8.44	-32.85	-0.40	-24.01	16.93
1	4	57	0.84	-0.58	0.38	-0.12	-0.66	8.41	-34.04	0.28	-25.91	16.70
1	4	58	0.61	-0.68	4.58e-02	-0.12	-0.64	7.81	-35.87	0.49	-28.55	16.31
1	4	59	0.43	-0.80	-0.24	-0.13	-0.61	7.93	-37.69	1.66	-31.42	15.72
1	4	60	0.31	-0.90	-0.46	-0.13	-0.58	7.77	-39.52	2.75	-34.50	14.57
1	4	61	0.24	-0.96	-0.63	-9.72e-02	-0.54	6.49	-40.31	2.55	-36.37	12.99
1	4	62	0.16	-0.94	-0.69	-8.92e-02	-0.46	4.68	-41.94	1.74	-38.99	11.34
1	4	63	0.11	-0.78	-0.59	-8.35e-02	-0.37	3.14	-43.91	1.24	-42.01	9.26
1	4	64	0.14	-0.52	-0.32	-6.59e-02	-0.30	-0.20	-46.92	-0.98	-46.14	5.98
1	4	65	0.31	-0.62	-0.22	-8.66e-02	-0.46	1.60	-48.85	1.05	-48.29	5.28
1	5	1	2.26	0.47	2.25	0.48	-9.75e-02	-11.80	-444.18	-11.80	-444.17	-1.87
1	5	2	-2.38e-03	-1.43	-0.82	-0.62	-0.71	73.95	-115.28	-82.33	41.00	71.75
1	5	3	5.53e-02	-0.98	-0.52	-0.40	0.51	47.88	-122.71	-80.30	5.47	-73.73
1	5	4	1.79	0.93	1.78	0.93	4.15e-02	-9.43	-487.80	-9.47	-487.76	-4.51
1	5	5	-0.14	-1.20	-1.14	-0.19	-0.23	7.28	-138.13	-82.75	-48.09	70.61
1	5	6	9.58e-02	-1.39	-1.32	2.48e-02	0.32	55.36	-124.22	-76.22	7.36	-79.48
1	5	9	1.19	-0.34	1.19	-0.34	-6.47e-02	-102.01	-454.01	-102.05	-453.96	-4.10
1	5	10	0.91	-4.39e-02	0.90	-3.74e-02	-7.84e-02	2.52	-0.18	2.51	-0.17	-0.12
1	5	11	1.32	-4.86e-02	1.32	-4.84e-02	-1.80e-02	-93.07	-451.39	-93.20	-451.27	-6.62
1	5	12	1.60	-0.16	1.56	-0.12	0.26	2.51	-8.69	-1.88	-4.30	-5.47
1	5	13	1.64	-1.41e-02	1.64	-1.41e-02	-5.36e-03	-94.91	-454.50	-95.13	-454.28	-8.91
1	5	14	1.85	-0.21	1.78	-0.14	0.37	3.45	-11.96	-2.96	-5.55	-7.60
1	5	15	1.81	-3.25e-02	1.81	-3.24e-02	-9.72e-03	-96.57	-457.70	-96.91	-457.35	-11.21
1	5	16	1.98	-0.23	1.89	-0.14	0.43	3.79	-16.05	-4.55	-7.71	-9.80
1	5	17	1.73	-2.07e-02	1.73	-2.06e-02	-1.27e-02	-95.88	-459.72	-96.36	-459.24	-13.29
1	5	18	2.01	-0.26	1.90	-0.15	0.49	4.78	-19.70	-4.48	-10.45	-11.87
1	5	19	1.48	2.51e-03	1.48	2.58e-03	-1.03e-02	-93.86	-461.21	-94.46	-460.60	-14.94
1	5	20	1.97	-0.31	1.82	-0.16	0.56	5.87	-22.98	-3.61	-13.50	-13.54
1	5	21	1.28	-6.71e-03	1.28	-6.66e-03	-8.00e-03	-93.45	-463.81	-94.17	-463.09	-16.28
1	5	22	1.81	-0.33	1.63	-0.14	0.61	6.56	-25.36	-3.36	-15.43	-14.77
1	5	23	1.03	-2.09e-02	1.03	-2.08e-02	-7.04e-03	-93.15	-466.63	-93.96	-465.81	-17.42
1	5	24	1.59	-0.36	1.36	-0.14	0.63	6.75	-28.10	-3.33	-18.03	-15.80
1	5	25	0.65	-6.12e-03	0.65	-6.09e-03	-4.01e-03	-91.18	-468.53	-92.06	-467.65	-18.19
1	5	26	1.33	-0.43	1.05	-0.15	0.64	7.63	-30.62	-2.05	-20.93	-16.63
1	5	27	0.17	1.68e-02	0.17	1.68e-02	7.84e-05	-88.38	-469.93	-89.27	-469.04	-18.41
1	5	28	1.09	-0.51	0.74	-0.15	0.66	8.44	-32.85	-0.40	-24.01	-16.93
1	5	29	6.19e-03	-0.15	-0.15	6.13e-03	3.13e-03	-87.66	-472.51	-88.53	-471.64	-18.27
1	5	30	0.84	-0.58	0.38	-0.12	0.66	8.41	-34.04	0.28	-25.91	-16.70
1	5	31	-7.24e-03	-0.43	-0.43	-7.33e-03	6.11e-03	-87.32	-475.24	-88.15	-474.41	-17.93
1	5	32	0.61	-0.68	4.58e-02	-0.12	0.64	7.81	-35.87	0.49	-28.55	-16.31
1	5	33	9.91e-03	-0.78	-0.78	9.76e-03	1.06e-02	-85.53	-476.99	-86.29	-476.23	-17.24
1	5	34	0.43	-0.80	-0.24	-0.13	0.61	7.93	-37.69	1.66	-31.42	-15.72
1	5	35	3.21e-02	-1.10	-1.10	3.19e-02	1.61e-02	-83.45	-478.37	-84.10	-477.72	-16.01
1	5	36	0.31	-0.90	-0.46	-0.13	0.58	7.77	-39.52	2.75	-34.50	-14.57
1	5	37	1.99e-02	-1.18	-1.18	1.95e-02	2.14e-02	-83.87	-481.05	-84.39	-480.52	-14.47
1	5	38	0.24	-0.96	-0.63	-9.72e-02	0.54	6.49	-40.31	2.55	-36.37	-12.99
1	5	39	1.09e-02	-1.15	-1.15	1.04e-02	2.47e-02	-84.62	-483.63	-85.03	-483.22	-12.78
1	5	40	0.16	-0.94	-0.69	-8.92e-02	0.46	4.68	-41.94	1.74	-38.99	-11.34
1	5	41	3.45e-02	-1.10	-1.10	3.41e-02	1.93e-02	-84.11	-484.88	-84.39	-484.59	-10.68
1	5	42	0.11	-0.78	-0.59	-8.35e-02	0.37	3.14	-43.91	1.24	-42.01	-9.26
1	5	43	-1.94e-03	-0.86	-0.86	-2.00e-03	7.27e-03	-84.48	-486.13	-84.63	-485.97	-7.90
1	5	44	0.14	-0.52	-0.32	-6.59e-02	0.30	-0.20	-46.92	-0.98	-46.14	-5.98
1	5	45	1.20e-02	-0.34	1.07e-02	-0.34	2.14e-02	-97.17	-493.85	-97.23	-493.80	-4.68
1	5	46	0.31	-0.62	-0.22	-8.66e-02	0.46	1.60	-48.85	1.05	-48.29	-5.28
1	5	47	0.53	0.23	0.52	0.24	-5.09e-02	41.13	2.19	3.38	39.94	-6.70
1	5	48	1.03	-5.50e-02	0.94	3.45e-02	-0.30	39.13	-6.05e-02	1.44	37.63	-7.52
1	5	49	1.24	-0.11	1.12	8.58e-03	-0.38	38.46	-2.28	0.49	35.70	-10.25
1	5	50	1.35	-0.13	1.20	2.37e-02	-0.45	37.86	-4.81	-0.84	33.89	-12.40
1	5	51	1.35	-0.16	1.15	3.54e-02	-0.51	37.31	-5.52	-5.65e-02	31.85	-14.28
1	5	52	1.28	-0.21	1.01	5.98e-02	-0.58	37.45	-5.36	1.84	30.25	-16.02
1	5	54	0.94	-0.39	0.45	0.11	-0.64	37.30	-6.68	3.71	26.91	-18.68
1	5	55	0.76	-0.54	0.11	0.11	-0.65	36.97	-5.90	6.08	25.00	-19.23
1	5	56	0.64	-0.73	-0.23	0.14	-0.66	37.17	-4.57	8.97	23.63	-19.54
1	5	57	0.55	-0.96	-0.58	0.16	-0.66	36.65	-4.27	10.44	21.94	-19.64
1	5	58	0.46	-1.19	-0.90	0.17	-0.63	35.61	-3.77	11.59	20.25	-19.21
1	5	59	0.40	-1.37	-1.15	0.18	-0.59	34.49	-2.29	13.87	18.34	-18.25
1	5	60	0.38	-1.48	-1.29	0.20	-0.55	33.73	-0.55	16.19	17.00	-17.14
1	5	61	0.36	-1.51	-1.37	0.22	-0.50	31.75	0.11	16.68	15.17	-15.80
1	5	62	0.33	-1.40	-1.30	0.23	-0.41	29.10	1.18	16.82	13.46	-13.86
1	5	63	0.31	-1.13	-1.05	0.23	-0.33	26.54	2.95	17.95	11.54	-11.35
1	5	64	0.33	-0.75	-0.66	0.25	-0.29	23.15	4.04	17.19	10.00	-8.85
1	5	65	0.54	-0.60	-0.43	0.36	-0.41	15.36	6.53	13.55	8.34	-3.57

1	6	1	1.80	0.92	1.78	0.93	9.75e-02	-9.46	-487.77	-9.47	-487.76	1.87
1	6	2	5.17e-02	-1.11	-1.08	2.39e-02	-0.18	20.36	-136.96	-78.47	-38.13	76.03
1	6	3	-8.43e-02	-1.49	-1.38	-0.19	0.37	42.12	-125.23	-80.50	-2.60	-74.06
1	6	4	2.25	0.48	2.25	0.48	-4.15e-02	-11.76	-444.22	-11.80	-444.17	4.51
1	6	5	9.68e-02	-1.26	-0.76	-0.40	-0.65	87.04	-114.12	-78.05	50.97	77.17
1	6	6	-3.02e-02	-1.17	-0.58	-0.62	0.57	34.65	-123.72	-84.58	-4.49	-68.31
1	6	9	2.24e-02	-0.35	1.07e-02	-0.34	6.47e-02	-97.18	-493.84	-97.23	-493.80	4.10
1	6	10	0.42	-0.66	-0.51	0.28	-0.37	9.64	-1.82	7.73	8.24e-02	4.27
1	6	11	-1.63e-03	-0.86	-0.86	-2.00e-03	1.80e-02	-84.52	-486.08	-84.63	-485.97	6.62
1	6	12	0.24	-0.87	-0.80	0.17	-0.28	12.44	0.22	9.76	2.90	5.06
1	6	13	3.42e-02	-1.10	-1.10	3.41e-02	5.36e-03	-84.19	-484.79	-84.39	-484.59	8.91
1	6	14	0.24	-1.23	-1.15	0.15	-0.35	16.77	-6.43e-02	11.32	5.39	7.88
1	6	15	1.05e-02	-1.15	-1.15	1.04e-02	9.72e-03	-84.72	-483.54	-85.03	-483.22	11.21
1	6	16	0.27	-1.45	-1.34	0.15	-0.43	19.54	-0.37	11.14	8.03	9.84
1	6	17	1.96e-02	-1.18	-1.18	1.95e-02	1.27e-02	-83.95	-480.96	-84.39	-480.52	13.29
1	6	18	0.31	-1.52	-1.37	0.15	-0.50	22.88	-0.50	11.83	10.55	11.67
1	6	19	3.19e-02	-1.10	-1.10	3.19e-02	1.03e-02	-83.53	-478.29	-84.10	-477.72	14.94
1	6	20	0.34	-1.47	-1.28	0.15	-0.56	26.16	-0.85	12.19	13.13	13.50
1	6	21	9.84e-03	-0.78	-0.78	9.76e-03	8.00e-03	-85.61	-476.91	-86.29	-476.23	16.28
1	6	22	0.37	-1.36	-1.13	0.14	-0.59	28.23	-1.94	10.84	15.46	14.91
1	6	23	-7.21e-03	-0.43	-0.43	-7.33e-03	7.04e-03	-87.36	-475.19	-88.15	-474.41	17.42
1	6	24	0.44	-1.18	-0.88	0.15	-0.63	30.33	-2.45	9.56	18.31	15.79
1	6	25	6.23e-03	-0.15	-0.15	6.13e-03	4.01e-03	-87.67	-472.50	-88.53	-471.64	18.19
1	6	26	0.54	-0.96	-0.57	0.15	-0.66	32.65	-2.25	9.42	20.98	16.47
1	6	27	0.17	1.68e-02	0.17	1.68e-02	-7.84e-05	-88.38	-469.93	-89.27	-469.04	18.41
1	6	28	0.64	-0.73	-0.23	0.14	-0.66	34.76	-2.15	8.97	23.63	16.93
1	6	29	0.65	-6.11e-03	0.65	-6.09e-03	-3.13e-03	-91.17	-468.54	-92.06	-467.65	18.27
1	6	30	0.76	-0.54	0.10	0.13	-0.65	35.86	-2.81	7.09	25.96	16.87
1	6	31	1.03	-2.09e-02	1.03	-2.08e-02	-6.11e-03	-93.10	-466.67	-93.96	-465.81	17.93
1	6	32	0.94	-0.37	0.43	0.13	-0.64	37.28	-2.70	5.74	28.84	16.32
1	6	33	1.28	-6.75e-03	1.28	-6.66e-03	-1.06e-02	-93.36	-463.89	-94.17	-463.09	17.24
1	6	34	1.13	-0.26	0.74	0.13	-0.62	38.80	-1.54	5.81	31.44	15.58
1	6	35	1.48	2.41e-03	1.48	2.58e-03	-1.61e-02	-93.76	-461.30	-94.46	-460.60	16.01
1	6	36	1.29	-0.17	1.00	0.11	-0.58	40.32	-0.36	5.84	34.12	14.62
1	6	37	1.73	-2.08e-02	1.73	-2.06e-02	-2.14e-02	-95.79	-459.81	-96.36	-459.24	14.47
1	6	38	1.37	-0.11	1.16	9.99e-02	-0.52	41.24	2.89e-02	4.80	36.47	13.19
1	6	39	1.81	-3.28e-02	1.81	-3.24e-02	-2.47e-02	-96.46	-457.80	-96.91	-457.35	12.78
1	6	40	1.41	-6.69e-02	1.24	9.95e-02	-0.47	42.69	1.48	4.85	39.32	11.30
1	6	41	1.64	-1.43e-02	1.64	-1.41e-02	-1.93e-02	-94.81	-454.60	-95.13	-454.28	10.68
1	6	42	1.34	-3.42e-02	1.22	9.05e-02	-0.39	44.04	4.93	7.12	41.85	8.98
1	6	43	1.32	-4.84e-02	1.32	-4.84e-02	-7.27e-03	-93.02	-451.44	-93.20	-451.27	7.90
1	6	44	1.16	3.41e-02	1.08	0.11	-0.29	45.84	7.76	8.86	44.74	6.39
1	6	45	1.19	-0.34	1.19	-0.34	-2.14e-02	-101.99	-454.02	-102.05	-453.96	4.68
1	6	46	0.61	0.33	0.61	0.33	-7.67e-03	48.23	9.17	9.20	48.20	1.13
1	6	47	0.44	-0.57	-0.13	-4.16e-03	0.50	7.00	-40.17	6.86	-40.03	2.55
1	6	48	0.24	-0.41	-0.18	1.33e-02	0.31	7.79	-40.38	6.44	-39.04	7.93
1	6	49	0.19	-0.68	-0.49	-1.58e-03	0.36	10.03	-38.02	7.87	-35.86	9.97
1	6	50	0.22	-0.88	-0.65	-1.33e-02	0.45	10.86	-37.01	7.43	-33.57	12.36
1	6	51	0.28	-0.93	-0.62	-3.28e-02	0.53	12.18	-36.52	7.41	-31.75	14.48
1	6	52	0.34	-0.88	-0.47	-7.43e-02	0.58	12.70	-36.58	6.74	-30.63	16.07
1	6	53	0.44	-0.79	-0.26	-8.82e-02	0.61	12.17	-36.02	4.69	-28.54	17.44
1	6	54	0.61	-0.68	2.96e-02	-9.67e-02	0.64	11.65	-35.75	2.52	-26.62	18.69
1	6	55	0.84	-0.58	0.38	-0.11	0.67	11.59	-35.25	1.30	-24.95	19.40
1	6	56	1.09	-0.51	0.74	-0.15	0.66	10.62	-35.04	-0.40	-24.01	19.54
1	6	57	1.34	-0.44	1.06	-0.16	0.64	9.15	-34.10	-3.07	-21.89	19.47
1	6	58	1.60	-0.39	1.38	-0.16	0.63	7.88	-33.20	-5.36	-19.96	19.20
1	6	59	1.83	-0.36	1.65	-0.18	0.60	6.98	-31.68	-6.39	-18.31	18.39
1	6	60	1.97	-0.35	1.84	-0.22	0.55	5.29	-30.26	-7.60	-17.37	17.09
1	6	61	2.00	-0.32	1.90	-0.22	0.48	3.66	-28.07	-9.33	-15.08	15.60
1	6	62	1.93	-0.30	1.85	-0.22	0.42	2.29	-25.66	-10.24	-13.13	13.90
1	6	63	1.75	-0.29	1.68	-0.23	0.36	1.04	-22.33	-9.59	-11.70	11.64
1	6	64	1.46	-0.25	1.42	-0.20	0.27	-1.84	-18.86	-9.30	-11.41	8.44
1	6	65	0.82	-0.12	0.81	-0.12	-3.52e-02	2.26	-14.00	-3.30	-8.43	7.72
1	7	1	1.80	0.92	1.78	0.93	-9.75e-02	-9.46	-487.77	-9.47	-487.76	-1.87
1	7	2	-8.43e-02	-1.49	-1.38	-0.19	-0.37	42.12	-125.23	-80.50	-2.60	74.06
1	7	3	5.17e-02	-1.11	-1.08	2.39e-02	0.18	20.36	-136.96	-78.47	-38.13	-76.03
1	7	4	2.25	0.48	2.25	0.48	4.15e-02	-11.76	-444.22	-11.80	-444.17	-4.51
1	7	5	-3.02e-02	-1.17	-0.58	-0.62	-0.57	34.65	-123.72	-84.58	-4.49	68.31
1	7	6	9.68e-02	-1.26	-0.76	-0.40	0.65	87.04	-114.12	-78.05	50.97	-77.17
1	7	9	2.24e-02	-0.35	1.07e-02	-0.34	-6.47e-02	-97.18	-493.84	-97.23	-493.80	-4.10
1	7	10	0.44	-0.57	-0.57	-0.13	-4.16e-03	7.00	-40.17	6.86	-40.03	-2.55
1	7	11	-1.63e-03	-0.86	-0.86	-2.00e-03	-1.80e-02	-84.52	-486.08	-84.63	-485.97	-6.62
1	7	12	0.24	-0.41	-0.18	1.33e-02	-0.31	7.79	-40.38	6.44	-39.04	-7.93
1	7	13	3.42e-02	-1.10	-1.10	3.41e-02	-5.36e-03	-84.19	-484.79	-84.39	-484.59	-8.91
1	7	14	0.19	-0.68	-0.49	-1.58e-03	-0.36	10.03	-38.02	7.87	-35.86	-9.97

1	7	15	1.05e-02	-1.15	-1.15	1.04e-02	-9.72e-03	-84.72	-483.54	-85.03	-483.22	-11.21
1	7	16	0.22	-0.88	-0.65	-1.33e-02	-0.45	10.86	-37.01	7.43	-33.57	-12.36
1	7	17	1.96e-02	-1.18	-1.18	1.95e-02	-1.27e-02	-83.95	-480.96	-84.39	-480.52	-13.29
1	7	18	0.28	-0.93	-0.62	-3.28e-02	-0.53	12.18	-36.52	7.41	-31.75	-14.48
1	7	19	3.19e-02	-1.10	-1.10	3.19e-02	-1.03e-02	-83.53	-478.29	-84.10	-477.72	-14.94
1	7	20	0.34	-0.88	-0.47	-7.43e-02	-0.58	12.70	-36.58	6.74	-30.63	-16.07
1	7	21	9.84e-03	-0.78	-0.78	9.76e-03	-8.00e-03	-85.61	-476.91	-86.29	-476.23	-16.28
1	7	22	0.44	-0.79	-0.26	-8.82e-02	-0.61	12.17	-36.02	4.69	-28.54	-17.44
1	7	23	-7.21e-03	-0.43	-0.43	-7.33e-03	-7.04e-03	-87.36	-475.19	-88.15	-474.41	-17.42
1	7	24	0.61	-0.68	2.96e-02	-9.67e-02	-0.64	11.65	-35.75	2.52	-26.62	-18.69
1	7	25	6.23e-03	-0.15	-0.15	6.13e-03	-4.01e-03	-87.67	-472.50	-88.53	-471.64	-18.19
1	7	26	0.84	-0.58	0.38	-0.11	-0.67	11.59	-35.25	1.30	-24.95	-19.40
1	7	27	0.17	1.68e-02	0.17	1.68e-02	7.84e-05	-88.38	-469.93	-89.27	-469.04	-18.41
1	7	28	1.09	-0.51	0.74	-0.15	-0.66	10.62	-35.04	-0.40	-24.01	-19.54
1	7	29	0.65	-6.11e-03	0.65	-6.09e-03	3.13e-03	-91.17	-468.54	-92.06	-467.65	-18.27
1	7	30	1.34	-0.44	1.06	-0.16	-0.64	9.15	-34.10	-3.07	-21.89	-19.47
1	7	31	1.03	-2.09e-02	1.03	-2.08e-02	6.11e-03	-93.10	-466.67	-93.96	-465.81	-17.93
1	7	32	1.60	-0.39	1.38	-0.16	-0.63	7.88	-33.20	-5.36	-19.96	-19.20
1	7	33	1.28	-6.75e-03	1.28	-6.66e-03	1.06e-02	-93.36	-463.89	-94.17	-463.09	-17.24
1	7	34	1.83	-0.36	1.65	-0.18	-0.60	6.98	-31.68	-6.39	-18.31	-18.39
1	7	35	1.48	2.41e-03	1.48	2.58e-03	1.61e-02	-93.76	-461.30	-94.46	-460.60	-16.01
1	7	36	1.97	-0.35	1.84	-0.22	-0.55	5.29	-30.26	-7.60	-17.37	-17.09
1	7	37	1.73	-2.08e-02	1.73	-2.06e-02	2.14e-02	-95.79	-459.81	-96.36	-459.24	-14.47
1	7	38	2.00	-0.32	1.90	-0.22	-0.48	3.66	-28.07	-9.33	-15.08	-15.60
1	7	39	1.81	-3.28e-02	1.81	-3.24e-02	2.47e-02	-96.46	-457.80	-96.91	-457.35	-12.78
1	7	40	1.93	-0.30	1.85	-0.22	-0.42	2.29	-25.66	-10.24	-13.13	-13.90
1	7	41	1.64	-1.43e-02	1.64	-1.41e-02	1.93e-02	-94.81	-454.60	-95.13	-454.28	-10.68
1	7	42	1.75	-0.29	1.68	-0.23	-0.36	1.04	-22.33	-9.59	-11.70	-11.64
1	7	43	1.32	-4.84e-02	1.32	-4.84e-02	7.27e-03	-93.02	-451.44	-93.20	-451.27	-7.90
1	7	44	1.46	-0.25	1.42	-0.20	-0.27	-1.84	-18.86	-9.30	-11.41	-8.44
1	7	45	1.19	-0.34	1.19	-0.34	2.14e-02	-101.99	-454.02	-102.05	-453.96	-4.68
1	7	46	0.82	-0.12	0.81	-0.12	3.52e-02	2.26	-14.00	-3.30	-8.43	-7.72
1	7	47	0.42	-0.66	-0.51	0.28	0.37	9.64	-1.82	7.73	8.24e-02	-4.27
1	7	48	0.24	-0.87	-0.80	0.17	0.28	12.44	0.22	9.76	2.90	-5.06
1	7	49	0.24	-1.23	-1.15	0.15	0.35	16.77	-6.43e-02	11.32	5.39	-7.88
1	7	50	0.27	-1.45	-1.34	0.15	0.43	19.54	-0.37	11.14	8.03	-9.84
1	7	51	0.31	-1.52	-1.37	0.15	0.50	22.88	-0.50	11.83	10.55	-11.67
1	7	52	0.34	-1.47	-1.28	0.15	0.56	26.16	-0.85	12.19	13.13	-13.50
1	7	53	0.37	-1.36	-1.13	0.14	0.59	28.23	-1.94	10.84	15.46	-14.91
1	7	54	0.44	-1.18	-0.88	0.15	0.63	30.33	-2.45	9.56	18.31	-15.79
1	7	55	0.54	-0.96	-0.57	0.15	0.66	32.65	-2.25	9.42	20.98	-16.47
1	7	56	0.64	-0.73	-0.23	0.14	0.66	34.76	-2.15	8.97	23.63	-16.93
1	7	57	0.76	-0.54	0.10	0.13	0.65	35.86	-2.81	7.09	25.96	-16.87
1	7	58	0.94	-0.37	0.43	0.13	0.64	37.28	-2.70	5.74	28.84	-16.32
1	7	59	1.13	-0.26	0.74	0.13	0.62	38.80	-1.54	5.81	31.44	-15.58
1	7	60	1.29	-0.17	1.00	0.11	0.58	40.32	-0.36	5.84	34.12	-14.62
1	7	61	1.37	-0.11	1.16	9.99e-02	0.52	41.24	2.89e-02	4.80	36.47	-13.19
1	7	62	1.41	-6.69e-02	1.24	9.95e-02	0.47	42.69	1.48	4.85	39.32	-11.30
1	7	63	1.34	-3.42e-02	1.22	9.05e-02	0.39	44.04	4.93	7.12	41.85	-8.98
1	7	64	1.16	3.41e-02	1.08	0.11	0.29	45.84	7.76	8.86	44.74	-6.39
1	7	65	0.61	0.33	0.61	0.33	7.67e-03	48.23	9.17	9.20	48.20	-1.13
1	8	1	2.25	0.48	2.25	0.48	4.15e-02	-11.76	-444.22	-11.80	-444.17	-4.51
1	8	2	-3.02e-02	-1.17	-0.58	-0.62	-0.57	34.65	-123.72	-84.58	-4.49	68.31
1	8	3	9.68e-02	-1.26	-0.76	-0.40	0.65	87.04	-114.12	-78.05	50.97	-77.17
1	8	4	1.80	0.92	1.78	0.93	-9.75e-02	-9.46	-487.77	-9.47	-487.76	-1.87
1	8	5	-8.43e-02	-1.49	-1.38	-0.19	-0.37	42.12	-125.23	-80.50	-2.60	74.06
1	8	6	5.17e-02	-1.11	-1.08	2.39e-02	0.18	20.36	-136.96	-78.47	-38.13	-76.03
1	8	9	1.19	-0.34	1.19	-0.34	2.14e-02	-101.99	-454.02	-102.05	-453.96	-4.68
1	8	10	0.61	0.33	0.61	0.33	7.67e-03	48.23	9.17	9.20	48.20	-1.13
1	8	11	1.32	-4.84e-02	1.32	-4.84e-02	7.27e-03	-93.02	-451.44	-93.20	-451.27	-7.90
1	8	12	1.16	3.41e-02	1.08	0.11	0.29	45.84	7.76	8.86	44.74	-6.39
1	8	13	1.64	-1.43e-02	1.64	-1.41e-02	1.93e-02	-94.81	-454.60	-95.13	-454.28	-10.68
1	8	14	1.34	-3.42e-02	1.22	9.05e-02	0.39	44.04	4.93	7.12	41.85	-8.98
1	8	15	1.81	-3.28e-02	1.81	-3.24e-02	2.47e-02	-96.46	-457.80	-96.91	-457.35	-12.78
1	8	16	1.41	-6.69e-02	1.24	9.95e-02	0.47	42.69	1.48	4.85	39.32	-11.30
1	8	17	1.73	-2.08e-02	1.73	-2.06e-02	2.14e-02	-95.79	-459.81	-96.36	-459.24	-14.47
1	8	18	1.37	-0.11	1.16	9.99e-02	0.52	41.24	2.89e-02	4.80	36.47	-13.19
1	8	19	1.48	2.41e-03	1.48	2.58e-03	1.61e-02	-93.76	-461.30	-94.46	-460.60	-16.01
1	8	20	1.29	-0.17	1.00	0.11	0.58	40.32	-0.36	5.84	34.12	-14.62
1	8	21	1.28	-6.75e-03	1.28	-6.66e-03	1.06e-02	-93.36	-463.89	-94.17	-463.09	-17.24
1	8	22	1.13	-0.26	0.74	0.13	0.62	38.80	-1.54	5.81	31.44	-15.58
1	8	23	1.03	-2.09e-02	1.03	-2.08e-02	6.11e-03	-93.10	-466.67	-93.96	-465.81	-17.93
1	8	24	0.94	-0.37	0.43	0.13	0.64	37.28	-2.70	5.74	28.84	-16.32
1	8	25	0.65	-6.11e-03	0.65	-6.09e-03	3.13e-03	-91.17	-468.54	-92.06	-467.65	-18.27
1	8	26	0.76	-0.54	0.10	0.13	0.65	35.86	-2.81	7.09	25.96	-16.87

1	8	27	0.17	1.68e-02	0.17	1.68e-02	7.84e-05	-88.38	-469.93	-89.27	-469.04	-18.41
1	8	28	0.64	-0.73	-0.23	0.14	0.66	34.76	-2.15	8.97	23.63	-16.93
1	8	29	6.23e-03	-0.15	-0.15	6.13e-03	-4.01e-03	-87.67	-472.50	-88.53	-471.64	-18.19
1	8	30	0.54	-0.96	-0.57	0.15	0.66	32.65	-2.25	9.42	20.98	-16.47
1	8	31	-7.21e-03	-0.43	-0.43	-7.33e-03	-7.04e-03	-87.36	-475.19	-88.15	-474.41	-17.42
1	8	32	0.44	-1.18	-0.88	0.15	0.63	30.33	-2.45	9.56	18.31	-15.79
1	8	33	9.84e-03	-0.78	-0.78	9.76e-03	-8.00e-03	-85.61	-476.91	-86.29	-476.23	-16.28
1	8	34	0.37	-1.36	-1.13	0.14	0.59	22.23	-1.94	10.84	15.46	-14.91
1	8	35	3.19e-02	-1.10	-1.10	3.19e-02	-1.03e-02	-83.53	-478.29	-84.10	-477.72	-14.94
1	8	36	0.34	-1.47	-1.28	0.15	0.56	26.16	-0.85	12.19	13.13	-13.50
1	8	37	1.96e-02	-1.18	-1.18	1.95e-02	-1.27e-02	-83.95	-480.96	-84.39	-480.52	-13.29
1	8	38	0.31	-1.52	-1.37	0.15	0.50	22.88	-0.50	11.83	10.55	-11.67
1	8	39	1.05e-02	-1.15	-1.15	1.04e-02	-9.72e-03	-84.72	-483.54	-85.03	-483.22	-11.21
1	8	40	0.27	-1.45	-1.34	0.15	0.43	19.54	-0.37	11.14	8.03	-9.84
1	8	41	3.42e-02	-1.10	-1.10	3.41e-02	-5.36e-03	-84.19	-484.79	-84.39	-484.59	-8.91
1	8	42	0.24	-1.23	-1.15	0.15	0.35	16.77	-6.43e-02	11.32	5.39	-7.88
1	8	43	-1.63e-03	-0.86	-0.86	-2.00e-03	-1.80e-02	-84.52	-486.08	-84.63	-485.97	-6.62
1	8	44	0.24	-0.87	-0.80	0.17	0.28	12.44	0.22	9.76	2.90	-5.06
1	8	45	2.24e-02	-0.35	1.07e-02	-0.34	-6.47e-02	-97.18	-493.84	-97.23	-493.80	-4.10
1	8	46	0.42	-0.66	-0.51	0.28	0.37	9.64	-1.82	7.73	8.24e-02	-4.27
1	8	47	0.82	-0.12	0.81	-0.12	3.52e-02	2.26	-14.00	-3.30	-8.43	-7.72
1	8	48	1.46	-0.25	1.42	-0.20	-0.27	-1.84	-18.86	-9.30	-11.41	-8.44
1	8	49	1.75	-0.29	1.68	-0.23	-0.36	1.04	-22.33	-9.59	-11.70	-11.64
1	8	50	1.93	-0.30	1.85	-0.22	-0.42	2.29	-25.66	-10.24	-13.13	-13.90
1	8	51	2.00	-0.32	1.90	-0.22	-0.48	3.66	-28.07	-9.33	-15.08	-15.60
1	8	52	1.97	-0.35	1.84	-0.22	-0.55	5.29	-30.26	-7.60	-17.37	-17.09
1	8	53	1.83	-0.36	1.65	-0.18	-0.60	6.98	-31.68	-6.39	-18.31	-18.39
1	8	54	1.60	-0.39	1.38	-0.16	-0.63	7.88	-33.20	-5.36	-19.96	-19.20
1	8	55	1.34	-0.44	1.06	-0.16	-0.64	9.15	-34.10	-3.07	-21.89	-19.47
1	8	56	1.09	-0.51	0.74	-0.15	-0.66	10.62	-35.04	-0.40	-24.01	-19.54
1	8	57	0.84	-0.58	0.38	-0.11	-0.67	11.59	-35.25	1.30	-24.95	-19.40
1	8	58	0.61	-0.68	2.96e-02	-9.67e-02	-0.64	11.65	-35.75	2.52	-26.62	-18.69
1	8	59	0.44	-0.79	-0.26	-8.82e-02	-0.61	12.17	-36.02	4.69	-28.54	-17.44
1	8	60	0.34	-0.88	-0.47	-7.43e-02	-0.58	12.70	-36.58	6.74	-30.63	-16.07
1	8	61	0.28	-0.93	-0.62	-3.28e-02	-0.53	12.18	-36.52	7.41	-31.75	-14.48
1	8	62	0.22	-0.88	-0.65	-1.33e-02	-0.45	10.86	-37.01	7.43	-33.57	-12.36
1	8	63	0.19	-0.68	-0.49	-1.58e-03	-0.36	10.03	-38.02	7.87	-35.86	-9.97
1	8	64	0.24	-0.41	-0.18	1.33e-02	-0.31	7.79	-40.38	6.44	-39.04	-7.93
1	8	65	0.44	-0.57	-0.13	-4.16e-03	-0.50	7.00	-40.17	6.86	-40.03	-2.55
1	9	1	2.25	0.48	2.25	0.48	-4.15e-02	-11.76	-444.22	-11.80	-444.17	4.51
1	9	2	9.68e-02	-1.26	-0.76	-0.40	-0.65	87.04	-114.12	-78.05	50.97	77.17
1	9	3	-3.02e-02	-1.17	-0.58	-0.62	0.57	34.65	-123.72	-84.58	-4.49	-68.31
1	9	4	1.80	0.92	1.78	0.93	9.75e-02	-9.46	-487.77	-9.47	-487.76	1.87
1	9	5	5.17e-02	-1.11	-1.08	2.39e-02	-0.18	20.36	-136.96	-78.47	-38.13	76.03
1	9	6	-8.43e-02	-1.49	-1.38	-0.19	0.37	42.12	-125.23	-80.50	-2.60	-74.06
1	9	9	1.19	-0.34	1.19	-0.34	-2.14e-02	-101.99	-454.02	-102.05	-453.96	4.68
1	9	10	0.82	-0.12	0.81	-0.12	-3.52e-02	2.26	-14.00	-3.30	-8.43	7.72
1	9	11	1.32	-4.84e-02	1.32	-4.84e-02	-7.27e-03	-93.02	-451.44	-93.20	-451.27	7.90
1	9	12	1.46	-0.25	1.42	-0.20	0.27	-1.84	-18.86	-9.30	-11.41	8.44
1	9	13	1.64	-1.43e-02	1.64	-1.41e-02	-1.93e-02	-94.81	-454.60	-95.13	-454.28	10.68
1	9	14	1.75	-0.29	1.68	-0.23	0.36	1.04	-22.33	-9.59	-11.70	11.64
1	9	15	1.81	-3.28e-02	1.81	-3.24e-02	-2.47e-02	-96.46	-457.80	-96.91	-457.35	12.78
1	9	16	1.93	-0.30	1.85	-0.22	0.42	2.29	-25.66	-10.24	-13.13	13.90
1	9	17	1.73	-2.08e-02	1.73	-2.06e-02	-2.14e-02	-95.79	-459.81	-96.36	-459.24	14.47
1	9	18	2.00	-0.32	1.90	-0.22	0.48	3.66	-28.07	-9.33	-15.08	15.60
1	9	19	1.48	2.41e-03	1.48	2.58e-03	-1.61e-02	-93.76	-461.30	-94.46	-460.60	16.01
1	9	20	1.97	-0.35	1.84	-0.22	0.55	5.29	-30.26	-7.60	-17.37	17.09
1	9	21	1.28	-6.75e-03	1.28	-6.66e-03	-1.06e-02	-93.36	-463.89	-94.17	-463.09	17.24
1	9	22	1.83	-0.36	1.65	-0.18	0.60	6.98	-31.68	-6.39	-18.31	18.39
1	9	23	1.03	-2.09e-02	1.03	-2.08e-02	-6.11e-03	-93.10	-466.67	-93.96	-465.81	17.93
1	9	24	1.60	-0.39	1.38	-0.16	0.63	7.88	-33.20	-5.36	-19.96	19.20
1	9	25	0.65	-6.11e-03	0.65	-6.09e-03	-3.13e-03	-91.17	-468.54	-92.06	-467.65	18.27
1	9	26	1.34	-0.44	1.06	-0.16	0.64	9.15	-34.10	-3.07	-21.89	19.47
1	9	27	0.17	1.68e-02	0.17	1.68e-02	-7.84e-05	-88.38	-469.93	-89.27	-469.04	18.41
1	9	28	1.09	-0.51	0.74	-0.15	0.66	10.62	-35.04	-0.40	-24.01	19.54
1	9	29	6.23e-03	-0.15	-0.15	6.13e-03	4.01e-03	-87.67	-472.50	-88.53	-471.64	18.19
1	9	30	0.84	-0.58	0.38	-0.11	0.67	11.59	-35.25	1.30	-24.95	19.40
1	9	31	-7.21e-03	-0.43	-0.43	-7.33e-03	7.04e-03	-87.36	-475.19	-88.15	-474.41	17.42
1	9	32	0.61	-0.68	2.96e-02	-9.67e-02	0.64	11.65	-35.75	2.52	-26.62	18.69
1	9	33	9.84e-03	-0.78	-0.78	9.76e-03	8.00e-03	-85.61	-476.91	-86.29	-476.23	16.28
1	9	34	0.44	-0.79	-0.26	-8.82e-02	0.61	12.17	-36.02	4.69	-28.54	17.44
1	9	35	3.19e-02	-1.10	-1.10	3.19e-02	1.03e-02	-83.53	-478.29	-84.10	-477.72	14.94
1	9	36	0.34	-0.88	-0.47	-7.43e-02	0.58	12.70	-36.58	6.74	-30.63	16.07
1	9	37	1.96e-02	-1.18	-1.18	1.95e-02	1.27e-02	-83.95	-480.96	-84.39	-480.52	13.29
1	9	38	0.28	-0.93	-0.62	-3.28e-02	0.53	12.18	-36.52	7.41	-31.75	14.48

1	9	39	1.05e-02	-1.15	-1.15	1.04e-02	9.72e-03	-84.72	-483.54	-85.03	-483.22	11.21
1	9	40	0.22	-0.88	-0.65	-1.33e-02	0.45	10.86	-37.01	7.43	-33.57	12.36
1	9	41	3.42e-02	-1.10	-1.10	3.41e-02	5.36e-03	-84.19	-484.79	-84.39	-484.59	8.91
1	9	42	0.19	-0.68	-0.49	-1.58e-03	0.36	10.03	-38.02	7.87	-35.86	9.97
1	9	43	-1.63e-03	-0.86	-0.86	-2.00e-03	1.80e-02	-84.52	-486.08	-84.63	-485.97	6.62
1	9	44	0.24	-0.41	-0.18	1.33e-02	0.31	7.79	-40.38	6.44	-39.04	7.93
1	9	45	2.24e-02	-0.35	1.07e-02	-0.34	6.47e-02	-97.18	-493.84	-97.23	-493.80	4.10
1	9	46	0.44	-0.57	-0.13	-4.16e-03	0.50	7.00	-40.17	6.86	-40.03	2.55
1	9	47	0.61	0.33	0.61	0.33	-7.67e-03	48.23	9.17	9.20	48.20	1.13
1	9	48	1.16	3.41e-02	1.08	0.11	-0.29	45.84	7.76	8.86	44.74	6.39
1	9	49	1.34	-3.42e-02	1.22	9.05e-02	-0.39	44.04	4.93	7.12	41.85	8.98
1	9	50	1.41	-6.69e-02	1.24	9.95e-02	-0.47	42.69	1.48	4.85	39.32	11.30
1	9	51	1.37	-0.11	1.16	9.99e-02	-0.52	41.24	2.89e-02	4.80	36.47	13.19
1	9	52	1.29	-0.17	1.00	0.11	-0.58	40.32	-0.36	5.84	34.12	14.62
1	9	53	1.13	-0.26	0.74	0.13	-0.62	38.80	-1.54	5.81	31.44	15.58
1	9	54	0.94	-0.37	0.43	0.13	-0.64	37.28	-2.70	5.74	28.84	16.32
1	9	55	0.76	-0.54	0.10	0.13	-0.65	35.86	-2.81	7.09	25.96	16.87
1	9	56	0.64	-0.73	-0.23	0.14	-0.66	34.76	-2.15	8.97	23.63	16.93
1	9	57	0.54	-0.96	-0.57	0.15	-0.66	32.65	-2.25	9.42	20.98	16.47
1	9	58	0.44	-1.18	-0.88	0.15	-0.63	30.33	-2.45	9.56	18.31	15.79
1	9	59	0.37	-1.36	-1.13	0.14	-0.59	28.23	-1.94	10.84	15.46	14.91
1	9	61	0.31	-1.52	-1.37	0.15	-0.50	22.88	-0.50	11.83	10.55	11.67
1	9	62	0.27	-1.45	-1.34	0.15	-0.43	19.54	-0.37	11.14	8.03	9.84
1	9	63	0.24	-1.23	-1.15	0.15	-0.35	16.77	-6.43e-02	11.32	5.39	7.88
1	9	64	0.24	-0.87	-0.80	0.17	-0.28	12.44	0.22	9.76	2.90	5.06
1	9	65	0.42	-0.66	-0.51	0.28	-0.37	9.64	-1.82	7.73	8.24e-02	4.27
1	10	1	1.79	0.93	1.78	0.93	4.15e-02	-9.43	-487.80	-9.47	-487.76	-4.51
1	10	2	-0.14	-1.20	-1.14	-0.19	-0.23	7.28	-138.13	-82.75	-48.09	70.61
1	10	3	9.58e-02	-1.39	-1.32	2.48e-02	0.32	55.36	-124.22	-76.22	7.36	-79.48
1	10	4	2.26	0.47	2.25	0.48	-9.75e-02	-11.80	-444.18	-11.80	-444.17	-1.87
1	10	5	-2.38e-03	-1.43	-0.82	-0.62	-0.71	73.95	-115.28	-82.33	41.00	71.75
1	10	6	5.53e-02	-0.98	-0.52	-0.40	0.51	47.88	-122.71	-80.30	5.47	-73.73
1	10	9	1.20e-02	-0.34	1.07e-02	-0.34	2.14e-02	-97.17	-493.85	-97.23	-493.80	-4.68
1	10	10	0.54	-0.60	-0.43	0.36	-0.41	15.36	6.53	13.55	8.34	-3.57
1	10	11	-1.94e-03	-0.86	-0.86	-2.00e-03	7.27e-03	-84.48	-486.13	-84.63	-485.97	-7.90
1	10	12	0.33	-0.75	-0.66	0.25	-0.29	23.15	4.04	17.19	10.00	-8.85
1	10	13	3.45e-02	-1.10	-1.10	3.41e-02	1.93e-02	-84.11	-484.88	-84.39	-484.59	-10.68
1	10	14	0.31	-1.13	-1.05	0.23	-0.33	26.54	2.95	17.95	11.54	-11.35
1	10	15	1.09e-02	-1.15	-1.15	1.04e-02	2.47e-02	-84.62	-483.63	-85.03	-483.22	-12.78
1	10	16	0.33	-1.40	-1.30	0.23	-0.41	29.10	1.18	16.82	13.46	-13.86
1	10	17	1.99e-02	-1.18	-1.18	1.95e-02	2.14e-02	-83.87	-481.05	-84.39	-480.52	-14.47
1	10	18	0.36	-1.51	-1.37	0.22	-0.50	31.75	0.11	16.68	15.17	-15.80
1	10	19	3.21e-02	-1.10	-1.10	3.19e-02	1.61e-02	-83.45	-478.37	-84.10	-477.72	-16.01
1	10	20	0.38	-1.48	-1.29	0.20	-0.55	33.73	-0.55	16.19	17.00	-17.14
1	10	21	9.91e-03	-0.78	-0.78	9.76e-03	1.06e-02	-85.53	-476.99	-86.29	-476.23	-17.24
1	10	22	0.40	-1.37	-1.15	0.18	-0.59	34.49	-2.29	13.87	18.34	-18.25
1	10	23	-7.24e-03	-0.43	-0.43	-7.33e-03	6.11e-03	-87.32	-475.24	-88.15	-474.41	-17.93
1	10	24	0.46	-1.19	-0.90	0.17	-0.63	35.61	-3.77	11.59	20.25	-19.21
1	10	25	6.19e-03	-0.15	-0.15	6.13e-03	3.13e-03	-87.66	-472.51	-88.53	-471.64	-18.27
1	10	26	0.55	-0.96	-0.58	0.16	-0.66	36.65	-4.27	10.44	21.94	-19.64
1	10	27	0.17	1.68e-02	0.17	1.68e-02	7.84e-05	-88.38	-469.93	-89.27	-469.04	-18.41
1	10	28	0.64	-0.73	-0.23	0.14	-0.66	37.17	-4.57	8.97	23.63	-19.54
1	10	29	0.65	-6.12e-03	0.65	-6.09e-03	-4.01e-03	-91.18	-468.53	-92.06	-467.65	-18.19
1	10	30	0.76	-0.54	0.11	0.11	-0.65	36.97	-5.90	6.08	25.00	-19.23
1	10	31	1.03	-2.09e-02	1.03	-2.08e-02	-7.04e-03	-93.15	-466.63	-93.96	-465.81	-17.42
1	10	32	0.94	-0.39	0.45	0.11	-0.64	37.30	-6.68	3.71	26.91	-18.68
1	10	33	1.28	-6.71e-03	1.28	-6.66e-03	-8.00e-03	-93.45	-463.81	-94.17	-463.09	-16.28
1	10	34	1.13	-0.28	0.76	8.89e-02	-0.62	37.48	-6.13	2.78	28.57	-17.58
1	10	35	1.48	2.51e-03	1.48	2.58e-03	-1.03e-02	-93.86	-461.21	-94.46	-460.60	-14.94
1	10	36	1.28	-0.21	1.01	5.98e-02	-0.58	37.45	-5.36	1.84	30.25	-16.02
1	10	37	1.73	-2.07e-02	1.73	-2.06e-02	-1.27e-02	-95.88	-459.72	-96.36	-459.24	-13.29
1	10	38	1.35	-0.16	1.15	3.54e-02	-0.51	37.31	-5.52	-5.65e-02	31.85	-14.28
1	10	39	1.81	-3.25e-02	1.81	-3.24e-02	-9.72e-03	-96.57	-457.70	-96.91	-457.35	-11.21
1	10	40	1.35	-0.13	1.20	2.37e-02	-0.45	37.86	-4.81	-0.84	33.89	-12.40
1	10	41	1.64	-1.41e-02	1.64	-1.41e-02	-5.36e-03	-94.91	-454.50	-95.13	-454.28	-8.91
1	10	42	1.24	-0.11	1.12	8.58e-03	-0.38	38.46	-2.28	0.49	35.70	-10.25
1	10	43	1.32	-4.86e-02	1.32	-4.84e-02	-1.80e-02	-93.07	-451.39	-93.20	-451.27	-6.62
1	10	44	1.03	-5.50e-02	0.94	3.45e-02	-0.30	39.13	-6.05e-02	1.44	37.63	-7.52
1	10	45	1.19	-0.34	1.19	-0.34	-6.47e-02	-102.01	-454.01	-102.05	-453.96	-4.10
1	10	46	0.53	0.23	0.52	0.24	-5.09e-02	41.13	2.19	3.38	39.94	-6.70
1	10	47	0.31	-0.62	-0.22	-8.66e-02	0.46	1.60	-48.85	1.05	-48.29	-5.28
1	10	48	0.14	-0.52	-0.32	-6.59e-02	0.30	-0.20	-46.92	-0.98	-46.14	-5.98
1	10	49	0.11	-0.78	-0.59	-8.35e-02	0.37	3.14	-43.91	1.24	-42.01	-9.26
1	10	50	0.16	-0.94	-0.69	-8.92e-02	0.46	4.68	-41.94	1.74	-38.99	-11.34
1	10	51	0.24	-0.96	-0.63	-9.72e-02	0.54	6.49	-40.31	2.55	-36.37	-12.99

1	10	52	0.31	-0.90	-0.46	-0.13	0.58	7.77	-39.52	2.75	-34.50	-14.57
1	10	53	0.43	-0.80	-0.24	-0.13	0.61	7.93	-37.69	1.66	-31.42	-15.72
1	10	54	0.61	-0.68	4.58e-02	-0.12	0.64	7.81	-35.87	0.49	-28.55	-16.31
1	10	55	0.84	-0.58	0.38	-0.12	0.66	8.41	-34.04	0.28	-25.91	-16.70
1	10	56	1.09	-0.51	0.74	-0.15	0.66	8.44	-32.85	-0.40	-24.01	-16.93
1	10	57	1.33	-0.43	1.05	-0.15	0.64	7.63	-30.62	-2.05	-20.93	-16.63
1	10	58	1.59	-0.36	1.36	-0.14	0.63	6.75	-28.10	-3.33	-18.03	-15.80
1	10	59	1.81	-0.33	1.63	-0.14	0.61	6.56	-25.36	-3.36	-15.43	-14.77
1	10	60	1.97	-0.31	1.82	-0.16	0.56	5.87	-22.98	-3.61	-13.50	-13.54
1	10	61	2.01	-0.26	1.90	-0.15	0.49	4.78	-19.70	-4.48	-10.45	-11.87
1	10	62	1.98	-0.23	1.89	-0.14	0.43	3.79	-16.05	-4.55	-7.71	-9.80
1	10	63	1.85	-0.21	1.78	-0.14	0.37	3.45	-11.96	-2.96	-5.55	-7.60
1	10	64	1.60	-0.16	1.56	-0.12	0.26	2.51	-8.69	-1.88	-4.30	-5.47
1	10	65	0.91	-4.39e-02	0.90	-3.74e-02	-7.84e-02	2.52	-0.18	2.51	-0.17	-0.12
1	11	1	1.79	0.93	1.78	0.93	-4.15e-02	-9.43	-487.80	-9.47	-487.76	4.51
1	11	2	9.58e-02	-1.39	-1.32	2.48e-02	-0.32	55.36	-124.22	-76.22	7.36	79.48
1	11	3	-0.14	-1.20	-1.14	-0.19	0.23	7.28	-138.13	-82.75	-48.09	-70.61
1	11	4	2.26	0.47	2.25	0.48	9.75e-02	-11.80	-444.18	-11.80	-444.17	1.87
1	11	5	5.53e-02	-0.98	-0.52	-0.40	-0.51	47.88	-122.71	-80.30	5.47	73.73
1	11	6	-2.38e-03	-1.43	-0.82	-0.62	0.71	73.95	-115.28	-82.33	41.00	-71.75
1	11	9	1.20e-02	-0.34	1.07e-02	-0.34	-2.14e-02	-97.17	-493.85	-97.23	-493.80	4.68
1	11	10	0.31	-0.62	-0.22	-8.66e-02	-0.46	1.60	-48.85	1.05	-48.29	5.28
1	11	11	-1.94e-03	-0.86	-0.86	-2.00e-03	-7.27e-03	-84.48	-486.13	-84.63	-485.97	7.90
1	11	12	0.14	-0.52	-0.32	-6.59e-02	-0.30	-0.20	-46.92	-0.98	-46.14	5.98
1	11	13	3.45e-02	-1.10	-1.10	3.41e-02	-1.93e-02	-84.11	-484.88	-84.39	-484.59	10.68
1	11	14	0.11	-0.78	-0.59	-8.35e-02	-0.37	3.14	-43.91	1.24	-42.01	9.26
1	11	15	1.09e-02	-1.15	-1.15	1.04e-02	-2.47e-02	-84.62	-483.63	-85.03	-483.22	12.78
1	11	16	0.16	-0.94	-0.69	-8.92e-02	-0.46	4.68	-41.94	1.74	-38.99	11.34
1	11	17	1.99e-02	-1.18	-1.18	1.95e-02	-2.14e-02	-83.87	-481.05	-84.39	-480.52	14.47
1	11	18	0.24	-0.96	-0.63	-9.72e-02	-0.54	6.49	-40.31	2.55	-36.37	12.99
1	11	19	3.21e-02	-1.10	-1.10	3.19e-02	-1.61e-02	-83.45	-478.37	-84.10	-477.72	16.01
1	11	20	0.31	-0.90	-0.46	-0.13	-0.58	7.77	-39.52	2.75	-34.50	14.57
1	11	21	9.91e-03	-0.78	-0.78	9.76e-03	-1.06e-02	-85.53	-476.99	-86.29	-476.23	17.24
1	11	22	0.43	-0.80	-0.24	-0.13	-0.61	7.93	-37.69	1.66	-31.42	15.72
1	11	23	-7.24e-03	-0.43	-0.43	-7.33e-03	-6.11e-03	-87.32	-475.24	-88.15	-474.41	17.93
1	11	24	0.61	-0.68	4.58e-02	-0.12	-0.64	7.81	-35.87	0.49	-28.55	16.31
1	11	25	6.19e-03	-0.15	-0.15	6.13e-03	-3.13e-03	-87.66	-472.51	-88.53	-471.64	18.27
1	11	26	0.84	-0.58	0.38	-0.12	-0.66	8.41	-34.04	0.28	-25.91	16.70
1	11	27	0.17	1.68e-02	0.17	1.68e-02	-7.84e-05	-88.38	-469.93	-89.27	-469.04	18.41
1	11	28	1.09	-0.51	0.74	-0.15	-0.66	8.44	-32.85	-0.40	-24.01	16.93
1	11	29	0.65	-6.12e-03	0.65	-6.09e-03	4.01e-03	-91.18	-468.53	-92.06	-467.65	18.19
1	11	30	1.33	-0.43	1.05	-0.15	-0.64	7.63	-30.62	-2.05	-20.93	16.63
1	11	31	1.03	-2.09e-02	1.03	-2.08e-02	7.04e-03	-93.15	-466.63	-93.96	-465.81	17.42
1	11	32	1.59	-0.36	1.36	-0.14	-0.63	6.75	-28.10	-3.33	-18.03	15.80
1	11	33	1.28	-6.71e-03	1.28	-6.66e-03	8.00e-03	-93.45	-463.81	-94.17	-463.09	16.28
1	11	34	1.81	-0.33	1.63	-0.14	-0.61	6.56	-25.36	-3.36	-15.43	14.77
1	11	35	1.48	2.51e-03	1.48	2.58e-03	1.03e-02	-93.86	-461.21	-94.46	-460.60	14.94
1	11	36	1.97	-0.31	1.82	-0.16	-0.56	5.87	-22.98	-3.61	-13.50	13.54
1	11	37	1.73	-2.07e-02	1.73	-2.06e-02	1.27e-02	-95.88	-459.72	-96.36	-459.24	13.29
1	11	38	2.01	-0.26	1.90	-0.15	-0.49	4.78	-19.70	-4.48	-10.45	11.87
1	11	39	1.81	-3.25e-02	1.81	-3.24e-02	9.72e-03	-96.57	-457.70	-96.91	-457.35	11.21
1	11	40	1.98	-0.23	1.89	-0.14	-0.43	3.79	-16.05	-4.55	-7.71	9.80
1	11	41	1.64	-1.41e-02	1.64	-1.41e-02	5.36e-03	-94.91	-454.50	-95.13	-454.28	8.91
1	11	42	1.85	-0.21	1.78	-0.14	-0.37	3.45	-11.96	-2.96	-5.55	7.60
1	11	43	1.32	-4.86e-02	1.32	-4.84e-02	1.80e-02	-93.07	-451.39	-93.20	-451.27	6.62
1	11	44	1.60	-0.16	1.56	-0.12	-0.26	2.51	-8.69	-1.88	-4.30	5.47
1	11	45	1.19	-0.34	1.19	-0.34	6.47e-02	-102.01	-454.01	-102.05	-453.96	4.10
1	11	46	0.91	-4.39e-02	0.90	-3.74e-02	7.84e-02	2.52	-0.18	2.51	-0.17	0.12
1	11	47	0.54	-0.60	-0.43	0.36	0.41	15.36	6.53	13.55	8.34	3.57
1	11	48	0.33	-0.75	-0.66	0.25	0.29	23.15	4.04	17.19	10.00	8.85
1	11	49	0.31	-1.13	-1.05	0.23	0.33	26.54	2.95	17.95	11.54	11.35
1	11	50	0.33	-1.40	-1.30	0.23	0.41	29.10	1.18	16.82	13.46	13.86
1	11	51	0.36	-1.51	-1.37	0.22	0.50	31.75	0.11	16.68	15.17	15.80
1	11	52	0.38	-1.48	-1.29	0.20	0.55	33.73	-0.55	16.19	17.00	17.14
1	11	53	0.40	-1.37	-1.15	0.18	0.59	34.49	-2.29	13.87	18.34	18.25
1	11	54	0.46	-1.19	-0.90	0.17	0.63	35.61	-3.77	11.59	20.25	19.21
1	11	55	0.55	-0.96	-0.58	0.16	0.66	36.65	-4.27	10.44	21.94	19.64
1	11	56	0.64	-0.73	-0.23	0.14	0.66	37.17	-4.57	8.97	23.63	19.54
1	11	57	0.76	-0.54	0.11	0.11	0.65	36.97	-5.90	6.08	25.00	19.23
1	11	58	0.94	-0.39	0.45	0.11	0.64	37.30	-6.68	3.71	26.91	18.68
1	11	59	1.13	-0.28	0.76	8.89e-02	0.62	37.48	-6.13	2.78	28.57	17.58
1	11	60	1.28	-0.21	1.01	5.98e-02	0.58	37.45	-5.36	1.84	30.25	16.02
1	11	61	1.35	-0.16	1.15	3.54e-02	0.51	37.31	-5.52	-5.65e-02	31.85	14.28
1	11	62	1.35	-0.13	1.20	2.37e-02	0.45	37.86	-4.81	-0.84	33.89	12.40
1	11	63	1.24	-0.11	1.12	8.58e-03	0.38	38.46	-2.28	0.49	35.70	10.25

1	11	64	1.03	-5.50e-02	0.94	3.45e-02	0.30	39.13	-6.04e-02	1.44	37.63	7.52
1	11	65	0.53	0.23	0.52	0.24	5.09e-02	41.13	2.19	3.38	39.94	6.70
1	12	1	2.26	0.47	2.25	0.48	9.75e-02	-11.80	-444.18	-11.80	-444.17	1.87
1	12	2	5.53e-02	-0.98	-0.52	-0.40	-0.51	47.88	-122.71	-80.30	5.47	73.73
1	12	3	-2.38e-03	-1.43	-0.82	-0.62	0.71	73.95	-115.28	-82.33	41.00	-71.75
1	12	4	1.79	0.93	1.78	0.93	-4.15e-02	-9.43	-487.80	-9.47	-487.76	4.51
1	12	5	9.58e-02	-1.39	-1.32	2.48e-02	-0.32	55.36	-124.22	-76.22	7.36	79.48
1	12	6	-0.14	-1.20	-1.14	-0.19	0.23	7.28	-138.13	-82.75	-48.09	-70.61
1	12	9	1.19	-0.34	1.19	-0.34	6.47e-02	-102.01	-454.01	-102.05	-453.96	4.10
1	12	10	0.53	0.23	0.52	0.24	5.09e-02	41.13	2.19	3.38	39.94	6.70
1	12	11	1.32	-4.86e-02	1.32	-4.84e-02	1.80e-02	-93.07	-451.39	-93.20	-451.27	6.62
1	12	12	1.03	-5.50e-02	0.94	3.45e-02	0.30	39.13	-6.05e-02	1.44	37.63	7.52
1	12	13	1.64	-1.41e-02	1.64	-1.41e-02	5.36e-03	-94.91	-454.50	-95.13	-454.28	8.91
1	12	14	1.24	-0.11	1.12	8.58e-03	0.38	38.46	-2.28	0.49	35.70	10.25
1	12	15	1.81	-3.25e-02	1.81	-3.24e-02	9.72e-03	-96.57	-457.70	-96.91	-457.35	11.21
1	12	16	1.35	-0.13	1.20	2.37e-02	0.45	37.86	-4.81	-0.84	33.89	12.40
1	12	17	1.73	-2.07e-02	1.73	-2.06e-02	1.27e-02	-95.88	-459.72	-96.36	-459.24	13.29
1	12	18	1.35	-0.16	1.15	3.54e-02	0.51	37.31	-5.52	-5.65e-02	31.85	14.28
1	12	19	1.48	2.51e-03	1.48	2.58e-03	1.03e-02	-93.86	-461.21	-94.46	-460.60	14.94
1	12	20	1.28	-0.21	1.01	5.98e-02	0.58	37.45	-5.36	1.84	30.25	16.02
1	12	21	1.28	-6.71e-03	1.28	-6.66e-03	8.00e-03	-93.45	-463.81	-94.17	-463.09	16.28
1	12	22	1.13	-0.28	0.76	8.89e-02	0.62	37.48	-6.13	2.78	28.57	17.58
1	12	23	1.03	-2.09e-02	1.03	-2.08e-02	7.04e-03	-93.15	-466.63	-93.96	-465.81	17.42
1	12	24	0.94	-0.39	0.45	0.11	0.64	37.30	-6.68	3.71	26.91	18.68
1	12	25	0.65	-6.12e-03	0.65	-6.09e-03	4.01e-03	-91.18	-468.53	-92.06	-467.65	18.19
1	12	26	0.76	-0.54	0.11	0.11	0.65	36.97	-5.90	6.08	25.00	19.23
1	12	27	0.17	1.68e-02	0.17	1.68e-02	-7.84e-05	-88.38	-469.93	-89.27	-469.04	18.41
1	12	28	0.64	-0.73	-0.23	0.14	0.66	37.17	-4.57	8.97	23.63	19.54
1	12	29	6.19e-03	-0.15	-0.15	6.13e-03	-3.13e-03	-87.66	-472.51	-88.53	-471.64	18.27
1	12	30	0.55	-0.96	-0.58	0.16	0.66	36.65	-4.27	10.44	21.94	19.64
1	12	31	-7.24e-03	-0.43	-0.43	-7.33e-03	-6.11e-03	-87.32	-475.24	-88.15	-474.41	17.93
1	12	32	0.46	-1.19	-0.90	0.17	0.63	35.61	-3.77	11.59	20.25	19.21
1	12	33	9.91e-03	-0.78	-0.78	9.76e-03	-1.06e-02	-85.53	-476.99	-86.29	-476.23	17.24
1	12	34	0.40	-1.37	-1.15	0.18	0.59	34.49	-2.29	13.87	18.34	18.25
1	12	35	3.21e-02	-1.10	-1.10	3.19e-02	-1.61e-02	-83.45	-478.37	-84.10	-477.72	16.01
1	12	36	0.38	-1.48	-1.29	0.20	0.55	33.73	-0.55	16.19	17.00	17.14
1	12	37	1.99e-02	-1.18	-1.18	1.95e-02	-2.14e-02	-83.87	-481.05	-84.39	-480.52	14.47
1	12	38	0.36	-1.51	-1.37	0.22	0.50	31.75	0.11	16.68	15.17	15.80
1	12	39	1.09e-02	-1.15	-1.15	1.04e-02	-2.47e-02	-84.62	-483.63	-85.03	-483.22	12.78
1	12	40	0.33	-1.40	-1.30	0.23	0.41	29.10	1.18	16.82	13.46	13.86
1	12	41	3.45e-02	-1.10	-1.10	3.41e-02	-1.93e-02	-84.11	-484.88	-84.39	-484.59	10.68
1	12	42	0.31	-1.13	-1.05	0.23	0.33	26.54	2.95	17.95	11.54	11.35
1	12	43	-1.94e-03	-0.86	-0.86	-2.00e-03	-7.27e-03	-84.48	-486.13	-84.63	-485.97	7.90
1	12	44	0.33	-0.75	-0.66	0.25	0.29	23.15	4.04	17.19	10.00	8.85
1	12	45	1.20e-02	-0.34	1.07e-02	-0.34	-2.14e-02	-97.17	-493.85	-97.23	-493.80	4.68
1	12	46	0.54	-0.60	-0.43	0.36	0.41	15.36	6.53	13.55	8.34	3.57
1	12	47	0.91	-4.39e-02	0.90	-3.74e-02	7.84e-02	2.52	-0.18	2.51	-0.17	0.12
1	12	48	1.60	-0.16	1.56	-0.12	-0.26	2.51	-8.69	-1.88	-4.30	5.47
1	12	49	1.85	-0.21	1.78	-0.14	-0.37	3.45	-11.96	-2.96	-5.55	7.60
1	12	50	1.98	-0.23	1.89	-0.14	-0.43	3.79	-16.05	-4.55	-7.71	9.80
1	12	51	2.01	-0.26	1.90	-0.15	-0.49	4.78	-19.70	-4.48	-10.45	11.87
1	12	52	1.97	-0.31	1.82	-0.16	-0.56	5.87	-22.98	-3.61	-13.50	13.54
1	12	53	1.81	-0.33	1.63	-0.14	-0.61	6.56	-25.36	-3.36	-15.43	14.77
1	12	54	1.59	-0.36	1.36	-0.14	-0.63	6.75	-28.10	-3.33	-18.03	15.80
1	12	55	1.33	-0.43	1.05	-0.15	-0.64	7.63	-30.62	-2.05	-20.93	16.63
1	12	56	1.09	-0.51	0.74	-0.15	-0.66	8.44	-32.85	-0.40	-24.01	16.93
1	12	57	0.84	-0.58	0.38	-0.12	-0.66	8.41	-34.04	0.28	-25.91	16.70
1	12	58	0.61	-0.68	4.58e-02	-0.12	-0.64	7.81	-35.87	0.49	-28.55	16.31
1	12	59	0.43	-0.80	-0.24	-0.13	-0.61	7.93	-37.69	1.66	-31.42	15.72
1	12	60	0.31	-0.90	-0.46	-0.13	-0.58	7.77	-39.52	2.75	-34.50	14.57
1	12	61	0.24	-0.96	-0.63	-9.72e-02	-0.54	6.49	-40.31	2.55	-36.37	12.99
1	12	62	0.16	-0.94	-0.69	-8.92e-02	-0.46	4.68	-41.94	1.74	-38.99	11.34
1	12	63	0.11	-0.78	-0.59	-8.35e-02	-0.37	3.14	-43.91	1.24	-42.01	9.26
1	12	64	0.14	-0.52	-0.32	-6.59e-02	-0.30	-0.20	-46.92	-0.98	-46.14	5.98
1	12	65	0.31	-0.62	-0.22	-8.66e-02	-0.46	1.60	-48.85	1.05	-48.29	5.28
1	13	1	2.26	0.47	2.25	0.48	-9.75e-02	-11.80	-444.18	-11.80	-444.17	-1.87
1	13	2	-2.38e-03	-1.43	-0.82	-0.62	-0.71	73.95	-115.28	-82.33	41.00	71.75
1	13	3	5.53e-02	-0.98	-0.52	-0.40	0.51	47.88	-122.71	-80.30	5.47	-73.73
1	13	4	1.79	0.93	1.78	0.93	4.15e-02	-9.43	-487.80	-9.47	-487.76	-4.51
1	13	5	-0.14	-1.20	-1.14	-0.19	-0.23	7.28	-138.13	-82.75	-48.09	70.61
1	13	6	9.58e-02	-1.39	-1.32	2.48e-02	0.32	55.36	-124.22	-76.22	7.36	-79.48
1	13	9	1.19	-0.34	1.19	-0.34	-6.47e-02	-102.01	-454.01	-102.05	-453.96	-4.10
1	13	10	0.91	-4.39e-02	0.90	-3.74e-02	-7.84e-02	2.52	-0.18	2.51	-0.17	-0.12
1	13	11	1.32	-4.86e-02	1.32	-4.84e-02	-1.80e-02	-93.07	-451.39	-93.20	-451.27	-6.62
1	13	12	1.60	-0.16	1.56	-0.12	0.26	2.51	-8.69	-1.88	-4.30	-5.47

1	13	13	1.64	-1.41e-02	1.64	-1.41e-02	-5.36e-03	-94.91	-454.50	-95.13	-454.28	-8.91
1	13	14	1.85	-0.21	1.78	-0.14	0.37	3.45	-11.96	-2.96	-5.55	-7.60
1	13	15	1.81	-3.25e-02	1.81	-3.24e-02	-9.72e-03	-96.57	-457.70	-96.91	-457.35	-11.21
1	13	16	1.98	-0.23	1.89	-0.14	0.43	3.79	-16.05	-4.55	-7.71	-9.80
1	13	17	1.73	-2.07e-02	1.73	-2.06e-02	-1.27e-02	-95.88	-459.72	-96.36	-459.24	-13.29
1	13	18	2.01	-0.26	1.90	-0.15	0.49	4.78	-19.70	-4.48	-10.45	-11.87
1	13	19	1.48	2.51e-03	1.48	2.58e-03	-1.03e-02	-93.86	-461.21	-94.46	-460.60	-14.94
1	13	20	1.97	-0.31	1.82	-0.16	0.56	5.87	-22.98	-3.61	-13.50	-13.54
1	13	21	1.28	-6.71e-03	1.28	-6.66e-03	-8.00e-03	-93.45	-463.81	-94.17	-463.09	-16.28
1	13	22	1.81	-0.33	1.63	-0.14	0.61	6.56	-25.36	-3.36	-15.43	-14.77
1	13	23	1.03	-2.09e-02	1.03	-2.08e-02	-7.04e-03	-93.15	-466.63	-93.96	-465.81	-17.42
1	13	24	1.59	-0.36	1.36	-0.14	0.63	6.75	-28.10	-3.33	-18.03	-15.80
1	13	25	0.65	-6.12e-03	0.65	-6.09e-03	-4.01e-03	-91.18	-468.53	-92.06	-467.65	-18.19
1	13	26	1.33	-0.43	1.05	-0.15	0.64	7.63	-30.62	-2.05	-20.93	-16.63
1	13	27	0.17	1.68e-02	0.17	1.68e-02	7.84e-05	-88.38	-469.93	-89.27	-469.04	-18.41
1	13	28	1.09	-0.51	0.74	-0.15	0.66	8.44	-32.85	-0.40	-24.01	-16.93
1	13	29	6.19e-03	-0.15	-0.15	6.13e-03	3.13e-03	-87.66	-472.51	-88.53	-471.64	-18.27
1	13	30	0.84	-0.58	0.38	-0.12	0.66	8.41	-34.04	0.28	-25.91	-16.70
1	13	31	-7.24e-03	-0.43	-0.43	-7.33e-03	6.11e-03	-87.32	-475.24	-88.15	-474.41	-17.93
1	13	32	0.61	-0.68	4.58e-02	-0.12	0.64	7.81	-35.87	0.49	-28.55	-16.31
1	13	33	9.91e-03	-0.78	-0.78	9.76e-03	1.06e-02	-85.53	-476.99	-86.29	-476.23	-17.24
1	13	34	0.43	-0.80	-0.24	-0.13	0.61	7.93	-37.69	1.66	-31.42	-15.72
1	13	35	3.21e-02	-1.10	-1.10	3.19e-02	1.61e-02	-83.45	-478.37	-84.10	-477.72	-16.01
1	13	36	0.31	-0.90	-0.46	-0.13	0.58	7.77	-39.52	2.75	-34.50	-14.57
1	13	37	1.99e-02	-1.18	-1.18	1.95e-02	2.14e-02	-83.87	-481.05	-84.39	-480.52	-14.47
1	13	38	0.24	-0.96	-0.63	-9.72e-02	0.54	6.49	-40.31	2.55	-36.37	-12.99
1	13	39	1.09e-02	-1.15	-1.15	1.04e-02	2.47e-02	-84.62	-483.63	-85.03	-483.22	-12.78
1	13	40	0.16	-0.94	-0.69	-8.92e-02	0.46	4.68	-41.94	1.74	-38.99	-11.34
1	13	41	3.45e-02	-1.10	-1.10	3.41e-02	1.93e-02	-84.11	-484.88	-84.39	-484.59	-10.68
1	13	42	0.11	-0.78	-0.59	-8.35e-02	0.37	3.14	-43.91	1.24	-42.01	-9.26
1	13	43	-1.94e-03	-0.86	-0.86	-2.00e-03	7.27e-03	-84.48	-486.13	-84.63	-485.97	-7.90
1	13	44	0.14	-0.52	-0.32	-6.59e-02	0.30	-0.20	-46.92	-0.98	-46.14	-5.98
1	13	45	1.20e-02	-0.34	1.07e-02	-0.34	2.14e-02	-97.17	-493.85	-97.23	-493.80	-4.68
1	13	46	0.31	-0.62	-0.22	-8.66e-02	0.46	1.60	-48.85	1.05	-48.29	-5.28
1	13	47	0.53	0.23	0.52	0.24	-5.09e-02	41.13	2.19	3.38	39.94	-6.70
1	13	48	1.03	-5.50e-02	0.94	3.45e-02	-0.30	39.13	-6.05e-02	1.44	37.63	-7.52
1	13	49	1.24	-0.11	1.12	8.58e-03	-0.38	38.46	-2.28	0.49	35.70	-10.25
1	13	51	1.35	-0.16	1.15	3.54e-02	-0.51	37.31	-5.52	-5.65e-02	31.85	-14.28
1	13	52	1.28	-0.21	1.01	5.98e-02	-0.58	37.45	-5.36	1.84	30.25	-16.02
1	13	53	1.13	-0.28	0.76	8.89e-02	-0.62	37.48	-6.13	2.78	28.57	-17.58
1	13	54	0.94	-0.39	0.45	0.11	-0.64	37.30	-6.68	3.71	26.91	-18.68
1	13	55	0.76	-0.54	0.11	0.11	-0.65	36.97	-5.90	6.08	25.00	-19.23
1	13	56	0.64	-0.73	-0.23	0.14	-0.66	37.17	-4.57	8.97	23.63	-19.54
1	13	57	0.55	-0.96	-0.58	0.16	-0.66	36.65	-4.27	10.44	21.94	-19.64
1	13	58	0.46	-1.19	-0.90	0.17	-0.63	35.61	-3.77	11.59	20.25	-19.21
1	13	59	0.40	-1.37	-1.15	0.18	-0.59	34.49	-2.29	13.87	18.34	-18.25
1	13	60	0.38	-1.48	-1.29	0.20	-0.55	33.73	-0.55	16.19	17.00	-17.14
1	13	61	0.36	-1.51	-1.37	0.22	-0.50	31.75	0.11	16.68	15.17	-15.80
1	13	62	0.33	-1.40	-1.30	0.23	-0.41	29.10	1.18	16.82	13.46	-13.86
1	13	63	0.31	-1.13	-1.05	0.23	-0.33	26.54	2.95	17.95	11.54	-11.35
1	13	64	0.33	-0.75	-0.66	0.25	-0.29	23.15	4.04	17.19	10.00	-8.85
1	13	65	0.54	-0.60	-0.43	0.36	-0.41	15.36	6.53	13.55	8.34	-3.57
1	14	1	1.80	0.92	1.78	0.93	9.75e-02	-9.46	-487.77	-9.47	-487.76	1.87
1	14	2	5.17e-02	-1.11	-1.08	2.39e-02	-0.18	20.36	-136.96	-78.47	-38.13	76.03
1	14	3	-8.43e-02	-1.49	-1.38	-0.19	0.37	42.12	-125.23	-80.50	-2.60	-74.06
1	14	4	2.25	0.48	2.25	0.48	-4.15e-02	-11.76	-444.22	-11.80	-444.17	4.51
1	14	5	9.68e-02	-1.26	-0.76	-0.40	-0.65	87.04	-114.12	-78.05	50.97	77.17
1	14	6	-3.02e-02	-1.17	-0.58	-0.62	0.57	34.65	-123.72	-84.58	-4.49	-68.31
1	14	9	2.24e-02	-0.35	1.07e-02	-0.34	6.47e-02	-97.18	-493.84	-97.23	-493.80	4.10
1	14	10	0.42	-0.66	-0.51	0.28	-0.37	9.64	-1.82	7.73	8.24e-02	4.27
1	14	11	-1.63e-03	-0.86	-0.86	-2.00e-03	1.80e-02	-84.52	-486.08	-84.63	-485.97	6.62
1	14	12	0.24	-0.87	-0.80	0.17	-0.28	12.44	0.22	9.76	2.90	5.06
1	14	13	3.42e-02	-1.10	-1.10	3.41e-02	5.36e-03	-84.19	-484.79	-84.39	-484.59	8.91
1	14	14	0.24	-1.23	-1.15	0.15	-0.35	16.77	-6.43e-02	11.32	5.39	7.88
1	14	15	1.05e-02	-1.15	-1.15	1.04e-02	9.72e-03	-84.72	-483.54	-85.03	-483.22	11.21
1	14	16	0.27	-1.45	-1.34	0.15	-0.43	19.54	-0.37	11.14	8.03	9.84
1	14	17	1.96e-02	-1.18	-1.18	1.95e-02	1.27e-02	-83.95	-480.96	-84.39	-480.52	13.29
1	14	18	0.31	-1.52	-1.37	0.15	-0.50	22.88	-0.50	11.83	10.55	11.67
1	14	19	3.19e-02	-1.10	-1.10	3.19e-02	1.03e-02	-83.53	-478.29	-84.10	-477.72	14.94
1	14	20	0.34	-1.47	-1.28	0.15	-0.56	26.16	-0.85	12.19	13.13	13.50
1	14	21	9.84e-03	-0.78	-0.78	9.76e-03	8.00e-03	-85.61	-476.91	-86.29	-476.23	16.28
1	14	22	0.37	-1.36	-1.13	0.14	-0.59	28.23	-1.94	10.84	15.46	14.91
1	14	23	-7.21e-03	-0.43	-0.43	-7.33e-03	7.04e-03	-87.36	-475.19	-88.15	-474.41	17.42
1	14	24	0.44	-1.18	-0.88	0.15	-0.63	30.33	-2.45	9.56	18.31	15.79
1	14	25	6.23e-03	-0.15	-0.15	6.13e-03	4.01e-03	-87.67	-472.50	-88.53	-471.64	18.19



1	14	26	0.54	-0.96	-0.57	0.15	-0.66	32.65	-2.25	9.42	20.98	16.47
1	14	27	0.17	1.68e-02	0.17	1.68e-02	-7.84e-05	-88.38	-469.93	-89.27	-469.04	18.41
1	14	28	0.64	-0.73	-0.23	0.14	-0.66	34.76	-2.15	8.97	23.63	16.93
1	14	29	0.65	-6.11e-03	0.65	-6.09e-03	-3.13e-03	-91.17	-468.54	-92.06	-467.65	18.27
1	14	30	0.76	-0.54	0.10	0.13	-0.65	35.86	-2.81	7.09	25.96	16.87
1	14	31	1.03	-2.09e-02	1.03	-2.08e-02	-6.11e-03	-93.10	-466.67	-93.96	-465.81	17.93
1	14	32	0.94	-0.37	0.43	0.13	-0.64	37.28	-2.70	5.74	28.84	16.32
1	14	33	1.28	-6.75e-03	1.28	-6.66e-03	-1.06e-02	-93.36	-463.89	-94.17	-463.09	17.24
1	14	34	1.13	-0.26	0.74	0.13	-0.62	38.80	-1.54	5.81	31.44	15.58
1	14	35	1.48	2.41e-03	1.48	2.58e-03	-1.61e-02	-93.76	-461.30	-94.46	-460.60	16.01
1	14	36	1.29	-0.17	1.00	0.11	-0.58	40.32	-0.36	5.84	34.12	14.62
1	14	37	1.73	-2.08e-02	1.73	-2.06e-02	-2.14e-02	-95.79	-459.81	-96.36	-459.24	14.47
1	14	38	1.37	-0.11	1.16	9.99e-02	-0.52	41.24	2.89e-02	4.80	36.47	13.19
1	14	39	1.81	-3.28e-02	1.81	-3.24e-02	-2.47e-02	-96.46	-457.80	-96.91	-457.35	12.78
1	14	40	1.41	-6.69e-02	1.24	9.95e-02	-0.47	42.69	1.48	4.85	39.32	11.30
1	14	41	1.64	-1.43e-02	1.64	-1.41e-02	-1.93e-02	-94.81	-454.60	-95.13	-454.28	10.68
1	14	42	1.34	-3.42e-02	1.22	9.05e-02	-0.39	44.04	4.93	7.12	41.85	8.98
1	14	43	1.32	-4.84e-02	1.32	-4.84e-02	-7.27e-03	-93.02	-451.44	-93.20	-451.27	7.90
1	14	44	1.16	3.41e-02	1.08	0.11	-0.29	45.84	7.76	8.86	44.74	6.39
1	14	45	1.19	-0.34	1.19	-0.34	-2.14e-02	-101.99	-454.02	-102.05	-453.96	4.68
1	14	46	0.61	0.33	0.61	0.33	-7.67e-03	48.23	9.17	9.20	48.20	1.13
1	14	47	0.44	-0.57	-0.13	-4.16e-03	0.50	7.00	-40.17	6.86	-40.03	2.55
1	14	48	0.24	-0.41	-0.18	1.33e-02	0.31	7.79	-40.38	6.44	-39.04	7.93
1	14	49	0.19	-0.68	-0.49	-1.58e-03	0.36	10.03	-38.02	7.87	-35.86	9.97
1	14	50	0.22	-0.88	-0.65	-1.33e-02	0.45	10.86	-37.01	7.43	-33.57	12.36
1	14	51	0.28	-0.93	-0.62	-3.28e-02	0.53	12.18	-36.52	7.41	-31.75	14.48
1	14	52	0.34	-0.88	-0.47	-7.43e-02	0.58	12.70	-36.58	6.74	-30.63	16.07
1	14	53	0.44	-0.79	-0.26	-8.82e-02	0.61	12.17	-36.02	4.69	-28.54	17.44
1	14	54	0.61	-0.68	2.96e-02	-9.67e-02	0.64	11.65	-35.75	2.52	-26.62	18.69
1	14	55	0.84	-0.58	0.38	-0.11	0.67	11.59	-35.25	1.30	-24.95	19.40
1	14	56	1.09	-0.51	0.74	-0.15	0.66	10.62	-35.04	-0.40	-24.01	19.54
1	14	57	1.34	-0.44	1.06	-0.16	0.64	9.15	-34.10	-3.07	-21.89	19.47
1	14	58	1.60	-0.39	1.38	-0.16	0.63	7.88	-33.20	-5.36	-19.96	19.20
1	14	59	1.83	-0.36	1.65	-0.18	0.60	6.98	-31.68	-6.39	-18.31	18.39
1	14	60	1.97	-0.35	1.84	-0.22	0.55	5.29	-30.26	-7.60	-17.37	17.09
1	14	61	2.00	-0.32	1.90	-0.22	0.48	3.66	-28.07	-9.33	-15.08	15.60
1	14	62	1.93	-0.30	1.85	-0.22	0.42	2.29	-25.66	-10.24	-13.13	13.90
1	14	63	1.75	-0.29	1.68	-0.23	0.36	1.04	-22.33	-9.59	-11.70	11.64
1	14	64	1.46	-0.25	1.42	-0.20	0.27	-1.84	-18.86	-9.30	-11.41	8.44
1	14	65	0.82	-0.12	0.81	-0.12	-3.52e-02	2.26	-14.00	-3.30	-8.43	7.72
1	15	1	1.80	0.92	1.78	0.93	-9.75e-02	-9.46	-487.77	-9.47	-487.76	-1.87
1	15	2	-8.43e-02	-1.49	-1.38	-0.19	-0.37	42.12	-125.23	-80.50	-2.60	74.06
1	15	3	5.17e-02	-1.11	-1.08	2.39e-02	0.18	20.36	-136.96	-78.47	-38.13	-76.03
1	15	4	2.25	0.48	2.25	0.48	4.15e-02	-11.76	-444.22	-11.80	-444.17	-4.51
1	15	5	-3.02e-02	-1.17	-0.58	-0.62	-0.57	34.65	-123.72	-84.58	-4.49	68.31
1	15	6	9.68e-02	-1.26	-0.76	-0.40	0.65	87.04	-114.12	-78.05	50.97	-77.17
1	15	9	2.24e-02	-0.35	1.07e-02	-0.34	-6.47e-02	-97.18	-493.84	-97.23	-493.80	-4.10
1	15	10	0.44	-0.57	-0.13	-4.16e-03	-0.50	7.00	-40.17	6.86	-40.03	-2.55
1	15	11	-1.63e-03	-0.86	-0.86	-2.00e-03	-1.80e-02	-84.52	-486.08	-84.63	-485.97	-6.62
1	15	12	0.24	-0.41	-0.18	1.33e-02	-0.31	7.79	-40.38	6.44	-39.04	-7.93
1	15	13	3.42e-02	-1.10	-1.10	3.41e-02	-5.36e-03	-84.19	-484.79	-84.39	-484.59	-8.91
1	15	14	0.19	-0.68	-0.49	-1.58e-03	-0.36	10.03	-38.02	7.87	-35.86	-9.97
1	15	15	1.05e-02	-1.15	-1.15	1.04e-02	-9.72e-03	-84.72	-483.54	-85.03	-483.22	-11.21
1	15	16	0.22	-0.88	-0.65	-1.33e-02	-0.45	10.86	-37.01	7.43	-33.57	-12.36
1	15	17	1.96e-02	-1.18	-1.18	1.95e-02	-1.27e-02	-83.95	-480.96	-84.39	-480.52	-13.29
1	15	18	0.28	-0.93	-0.62	-3.28e-02	-0.53	12.18	-36.52	7.41	-31.75	-14.48
1	15	19	3.19e-02	-1.10	-1.10	3.19e-02	-1.03e-02	-83.53	-478.29	-84.10	-477.72	-14.94
1	15	20	0.34	-0.88	-0.47	-7.43e-02	-0.58	12.70	-36.58	6.74	-30.63	-16.07
1	15	21	9.84e-03	-0.78	-0.78	9.76e-03	-8.00e-03	-85.61	-476.91	-86.29	-476.23	-16.28
1	15	22	0.44	-0.79	-0.26	-8.82e-02	-0.61	12.17	-36.02	4.69	-28.54	-17.44
1	15	23	-7.21e-03	-0.43	-0.43	-7.33e-03	-7.04e-03	-87.36	-475.19	-88.15	-474.41	-17.42
1	15	24	0.61	-0.68	2.96e-02	-9.67e-02	-0.64	11.65	-35.75	2.52	-26.62	-18.69
1	15	25	6.23e-03	-0.15	-0.15	6.13e-03	-4.01e-03	-87.67	-472.50	-88.53	-471.64	-18.19
1	15	26	0.84	-0.58	0.38	-0.11	-0.67	11.59	-35.25	1.30	-24.95	-19.40
1	15	27	0.17	1.68e-02	0.17	1.68e-02	7.84e-05	-88.38	-469.93	-89.27	-469.04	-18.41
1	15	28	1.09	-0.51	0.74	-0.15	-0.66	10.62	-35.04	-0.40	-24.01	-19.54
1	15	29	0.65	-6.11e-03	0.65	-6.09e-03	3.13e-03	-91.17	-468.54	-92.06	-467.65	-18.27
1	15	30	1.34	-0.44	1.06	-0.16	-0.64	9.15	-34.10	-3.07	-21.89	-19.47
1	15	31	1.03	-2.09e-02	1.03	-2.08e-02	6.11e-03	-93.10	-466.67	-93.96	-465.81	-17.93
1	15	32	1.60	-0.39	1.38	-0.16	-0.63	7.88	-33.20	-5.36	-19.96	-19.20
1	15	33	1.28	-6.75e-03	1.28	-6.66e-03	1.06e-02	-93.36	-463.89	-94.17	-463.09	-17.24
1	15	34	1.83	-0.36	1.65	-0.18	-0.60	6.98	-31.68	-6.39	-18.31	-18.39
1	15	35	1.48	2.41e-03	1.48	2.58e-03	1.61e-02	-93.76	-461.30	-94.46	-460.60	-16.01
1	15	36	1.97	-0.35	1.84	-0.22	-0.55	5.29	-30.26	-7.60	-17.37	-17.09
1	15	37	1.73	-2.08e-02	1.73	-2.06e-02	2.14e-02	-95.79	-459.81	-96.36	-459.24	-14.47

1	15	38	2.00	-0.32	1.90	-0.22	-0.48	3.66	-28.07	-9.33	-15.08	-15.60
1	15	39	1.81	-3.28e-02	1.81	-3.24e-02	2.47e-02	-96.46	-457.80	-96.91	-457.35	-12.78
1	15	40	1.93	-0.30	1.85	-0.22	-0.42	2.29	-25.66	-10.24	-13.13	-13.90
1	15	41	1.64	-1.43e-02	1.64	-1.41e-02	1.93e-02	-94.81	-454.60	-95.13	-454.28	-10.68
1	15	42	1.75	-0.29	1.68	-0.23	-0.36	1.04	-22.33	-9.59	-11.70	-11.64
1	15	43	1.32	-4.84e-02	1.32	-4.84e-02	7.27e-03	-93.02	-451.44	-93.20	-451.27	-7.90
1	15	44	1.46	-0.25	1.42	-0.20	-0.27	-1.84	-18.86	-9.30	-11.41	-8.44
1	15	45	1.19	-0.34	1.19	-0.34	2.14e-02	-101.99	-454.02	-102.05	-453.96	-4.68
1	15	46	0.82	-0.12	0.81	-0.12	3.52e-02	2.26	-14.00	-3.30	-8.43	-7.72
1	15	47	0.42	-0.66	-0.51	0.28	0.37	9.64	-1.82	7.73	8.24e-02	-4.27
1	15	48	0.24	-0.87	-0.80	0.17	0.28	12.44	0.22	9.76	2.90	-5.06
1	15	49	0.24	-1.23	-1.15	0.15	0.35	16.77	-6.43e-02	11.32	5.39	-7.88
1	15	50	0.27	-1.45	-1.34	0.15	0.43	19.54	-0.37	11.14	8.03	-9.84
1	15	51	0.31	-1.52	-1.37	0.15	0.50	22.88	-0.50	11.83	10.55	-11.67
1	15	52	0.34	-1.47	-1.28	0.15	0.56	26.16	-0.85	12.19	13.13	-13.50
1	15	53	0.37	-1.36	-1.13	0.14	0.59	28.23	-1.94	10.84	15.46	-14.91
1	15	54	0.44	-1.18	-0.88	0.15	0.63	30.33	-2.45	9.56	18.31	-15.79
1	15	55	0.54	-0.96	-0.57	0.15	0.66	32.65	-2.25	9.42	20.98	-16.47
1	15	56	0.64	-0.73	-0.23	0.14	0.66	34.76	-2.15	8.97	23.63	-16.93
1	15	57	0.76	-0.54	0.10	0.13	0.65	35.86	-2.81	7.09	25.96	-16.87
1	15	58	0.94	-0.37	0.43	0.13	0.64	37.28	-2.70	5.74	28.84	-16.32
1	15	59	1.13	-0.26	0.74	0.13	0.62	38.80	-1.54	5.81	31.44	-15.58
1	15	60	1.29	-0.17	1.00	0.11	0.58	40.32	-0.36	5.84	34.12	-14.62
1	15	61	1.37	-0.11	1.16	9.99e-02	0.52	41.24	2.89e-02	4.80	36.47	-13.19
1	15	62	1.41	-6.69e-02	1.24	9.95e-02	0.47	42.69	1.48	4.85	39.32	-11.30
1	15	63	1.34	-3.42e-02	1.22	9.05e-02	0.39	44.04	4.93	7.12	41.85	-8.98
1	15	64	1.16	3.41e-02	1.08	0.11	0.29	45.84	7.76	8.86	44.74	-6.39
1	15	65	0.61	0.33	0.61	0.33	7.67e-03	48.23	9.17	9.20	48.20	-1.13
1	16	1	2.25	0.48	2.25	0.48	4.15e-02	-11.76	-444.22	-11.80	-444.17	-4.51
1	16	2	-3.02e-02	-1.17	-0.58	-0.62	-0.57	34.65	-123.72	-84.58	-4.49	68.31
1	16	3	9.68e-02	-1.26	-0.76	-0.40	0.65	87.04	-114.12	-78.05	50.97	-77.17
1	16	4	1.80	0.92	1.78	0.93	-9.75e-02	-9.46	-487.77	-9.47	-487.76	-1.87
1	16	5	-8.43e-02	-1.49	-1.38	-0.19	-0.37	42.12	-125.23	-80.50	-2.60	74.06
1	16	6	5.17e-02	-1.11	-1.08	2.39e-02	0.18	20.36	-136.96	-78.47	-38.13	-76.03
1	16	9	1.19	-0.34	1.19	-0.34	2.14e-02	-101.99	-454.02	-102.05	-453.96	-4.68
1	16	10	0.61	0.33	0.61	0.33	7.67e-03	48.23	9.17	9.20	48.20	-1.13
1	16	11	1.32	-4.84e-02	1.32	-4.84e-02	7.27e-03	-93.02	-451.44	-93.20	-451.27	-7.90
1	16	12	1.16	3.41e-02	1.08	0.11	0.29	45.84	7.76	8.86	44.74	-6.39
1	16	13	1.64	-1.43e-02	1.64	-1.41e-02	1.93e-02	-94.81	-454.60	-95.13	-454.28	-10.68
1	16	14	1.34	-3.42e-02	1.22	9.05e-02	0.39	44.04	4.93	7.12	41.85	-8.98
1	16	15	1.81	-3.28e-02	1.81	-3.24e-02	2.47e-02	-96.46	-457.80	-96.91	-457.35	-12.78
1	16	16	1.41	-6.69e-02	1.24	9.95e-02	0.47	42.69	1.48	4.85	39.32	-11.30
1	16	17	1.73	-2.08e-02	1.73	-2.06e-02	2.14e-02	-95.79	-459.81	-96.36	-459.24	-14.47
1	16	18	1.37	-0.11	1.16	9.99e-02	0.52	41.24	2.89e-02	4.80	36.47	-13.19
1	16	19	1.48	2.41e-03	1.48	2.58e-03	1.61e-02	-93.76	-461.30	-94.46	-460.60	-16.01
1	16	20	1.29	-0.17	1.00	0.11	0.58	40.32	-0.36	5.84	34.12	-14.62
1	16	21	1.28	-6.75e-03	1.28	-6.66e-03	1.06e-02	-93.36	-463.89	-94.17	-463.09	-17.24
1	16	22	1.13	-0.26	0.74	0.13	0.62	38.80	-1.54	5.81	31.44	-15.58
1	16	23	1.03	-2.09e-02	1.03	-2.08e-02	6.11e-03	-93.10	-466.67	-93.96	-465.81	-17.93
1	16	24	0.94	-0.37	0.43	0.13	0.64	37.28	-2.70	5.74	28.84	-16.32
1	16	25	0.65	-6.11e-03	0.65	-6.09e-03	3.13e-03	-91.17	-468.54	-92.06	-467.65	-18.27
1	16	26	0.76	-0.54	0.10	0.13	0.65	35.86	-2.81	7.09	25.96	-16.87
1	16	27	0.17	1.68e-02	0.17	1.68e-02	7.84e-05	-88.38	-469.93	-89.27	-469.04	-18.41
1	16	28	0.64	-0.73	-0.23	0.14	0.66	34.76	-2.15	8.97	23.63	-16.93
1	16	29	6.23e-03	-0.15	-0.15	6.13e-03	-4.01e-03	-87.67	-472.50	-88.53	-471.64	-18.19
1	16	31	-7.21e-03	-0.43	-0.43	-7.33e-03	-7.04e-03	-87.36	-475.19	-88.15	-474.41	-17.42
1	16	32	0.44	-1.18	-0.88	0.15	0.63	30.33	-2.45	9.56	18.31	-15.79
1	16	33	9.84e-03	-0.78	-0.78	9.76e-03	-8.00e-03	-85.61	-476.91	-86.29	-476.23	-16.28
1	16	34	0.37	-1.36	-1.13	0.14	0.59	28.23	-1.94	10.84	15.46	-14.91
1	16	35	3.19e-02	-1.10	-1.10	3.19e-02	-1.03e-02	-83.53	-478.29	-84.10	-477.72	-14.94
1	16	36	0.34	-1.47	-1.28	0.15	0.56	26.16	-0.85	12.19	13.13	-13.50
1	16	37	1.96e-02	-1.18	-1.18	1.95e-02	-1.27e-02	-83.95	-480.96	-84.39	-480.52	-13.29
1	16	38	0.31	-1.52	-1.37	0.15	0.50	22.88	-0.50	11.83	10.55	-11.67
1	16	39	1.05e-02	-1.15	-1.15	1.04e-02	-9.72e-03	-84.72	-483.54	-85.03	-483.22	-11.21
1	16	40	0.27	-1.45	-1.34	0.15	0.43	19.54	-0.37	11.14	8.03	-9.84
1	16	41	3.42e-02	-1.10	-1.10	3.41e-02	-5.36e-03	-84.19	-484.79	-84.39	-484.59	-8.91
1	16	42	0.24	-1.23	-1.15	0.15	0.35	16.77	-6.43e-02	11.32	5.39	-7.88
1	16	43	-1.63e-03	-0.86	-0.86	-2.00e-03	-1.80e-02	-84.52	-486.08	-84.63	-485.97	-6.62
1	16	44	0.24	-0.87	-0.80	0.17	0.28	12.44	0.22	9.76	2.90	-5.06
1	16	45	2.24e-02	-0.35	1.07e-02	-0.34	-6.47e-02	-97.18	-493.84	-97.23	-493.80	-4.10
1	16	46	0.42	-0.66	-0.51	0.28	0.37	9.64	-1.82	7.73	8.24e-02	-4.27
1	16	47	0.82	-0.12	0.81	-0.12	3.52e-02	2.26	-14.00	-3.30	-8.43	-7.72
1	16	48	1.46	-0.25	1.42	-0.20	-0.27	-1.84	-18.86	-9.30	-11.41	-8.44
1	16	49	1.75	-0.29	1.68	-0.23	-0.36	1.04	-22.33	-9.59	-11.70	-11.64
1	16	50	1.93	-0.30	1.85	-0.22	-0.42	2.29	-25.66	-10.24	-13.13	-13.90

1	16	51	2.00	-0.32	1.90	-0.22	-0.48	3.66	-28.07	-9.33	-15.08	-15.60
1	16	52	1.97	-0.35	1.84	-0.22	-0.55	5.29	-30.26	-7.60	-17.37	-17.09
1	16	53	1.83	-0.36	1.65	-0.18	-0.60	6.98	-31.68	-6.39	-18.31	-18.39
1	16	54	1.60	-0.39	1.38	-0.16	-0.63	7.88	-33.20	-5.36	-19.96	-19.20
1	16	55	1.34	-0.44	1.06	-0.16	-0.64	9.15	-34.10	-3.07	-21.89	-19.47
1	16	56	1.09	-0.51	0.74	-0.15	-0.66	10.62	-35.04	-0.40	-24.01	-19.54
1	16	57	0.84	-0.58	0.38	-0.11	-0.67	11.59	-35.25	1.30	-24.95	-19.40
1	16	58	0.61	-0.68	2.96e-02	-9.67e-02	-0.64	11.65	-35.75	2.52	-26.62	-18.69
1	16	59	0.44	-0.79	-0.26	-8.82e-02	-0.61	12.17	-36.02	4.69	-28.54	-17.44
1	16	60	0.34	-0.88	-0.47	-7.43e-02	-0.58	12.70	-36.58	6.74	-30.63	-16.07
1	16	61	0.28	-0.93	-0.62	-3.28e-02	-0.53	12.18	-36.52	7.41	-31.75	-14.48
1	16	62	0.22	-0.88	-0.65	-1.33e-02	-0.45	10.86	-37.01	7.43	-33.57	-12.36
1	16	63	0.19	-0.68	-0.49	-1.58e-03	-0.36	10.03	-38.02	7.87	-35.86	-9.97
1	16	64	0.24	-0.41	-0.18	1.33e-02	-0.31	7.79	-40.38	6.44	-39.04	-7.93
1	16	65	0.44	-0.57	-0.13	-4.16e-03	-0.50	7.00	-40.17	6.86	-40.03	-2.55
1	17	1	2.25	0.48	2.25	0.48	-4.15e-02	-11.76	-444.22	-11.80	-444.17	4.51
1	17	2	9.68e-02	-1.26	-0.76	-0.40	-0.65	87.04	-114.12	-78.05	50.97	77.17
1	17	3	-3.02e-02	-1.17	-0.58	-0.62	0.57	34.65	-123.72	-84.58	-4.49	-68.31
1	17	4	1.80	0.92	1.78	0.93	9.75e-02	-9.46	-487.77	-9.47	-487.76	1.87
1	17	5	5.17e-02	-1.11	-1.08	2.39e-02	-0.18	20.36	-136.96	-78.47	-38.13	76.03
1	17	6	-8.43e-02	-1.49	-1.38	-0.19	0.37	42.12	-125.23	-80.50	-2.60	-74.06
1	17	9	1.19	-0.34	1.19	-0.34	-2.14e-02	-101.99	-454.02	-102.05	-453.96	4.68
1	17	10	0.82	-0.12	0.81	-0.12	-3.52e-02	2.26	-14.00	-3.30	-8.43	7.72
1	17	11	1.32	-4.84e-02	1.32	-4.84e-02	-7.27e-03	-93.02	-451.44	-93.20	-451.27	7.90
1	17	12	1.46	-0.25	1.42	-0.20	0.27	-1.84	-18.86	-9.30	-11.41	8.44
1	17	13	1.64	-1.43e-02	1.64	-1.41e-02	-1.93e-02	-94.81	-454.60	-95.13	-454.28	10.68
1	17	14	1.75	-0.29	1.68	-0.23	0.36	1.04	-22.33	-9.59	-11.70	11.64
1	17	15	1.81	-3.28e-02	1.81	-3.24e-02	-2.47e-02	-96.46	-457.80	-96.91	-457.35	12.78
1	17	16	1.93	-0.30	1.85	-0.22	0.42	2.29	-25.66	-10.24	-13.13	13.90
1	17	17	1.73	-2.08e-02	1.73	-2.06e-02	-2.14e-02	-95.79	-459.81	-96.36	-459.24	14.47
1	17	18	2.00	-0.32	1.90	-0.22	0.48	3.66	-28.07	-9.33	-15.08	15.60
1	17	19	1.48	2.41e-03	1.48	2.58e-03	-1.61e-02	-93.76	-461.30	-94.46	-460.60	16.01
1	17	20	1.97	-0.35	1.84	-0.22	0.55	5.29	-30.26	-7.60	-17.37	17.09
1	17	21	1.28	-6.75e-03	1.28	-6.66e-03	-1.06e-02	-93.36	-463.89	-94.17	-463.09	17.24
1	17	22	1.83	-0.36	1.65	-0.18	0.60	6.98	-31.68	-6.39	-18.31	18.39
1	17	23	1.03	-2.09e-02	1.03	-2.08e-02	-6.11e-03	-93.10	-466.67	-93.96	-465.81	17.93
1	17	24	1.60	-0.39	1.38	-0.16	0.63	7.88	-33.20	-5.36	-19.96	19.20
1	17	25	0.65	-6.11e-03	0.65	-6.09e-03	-3.13e-03	-91.17	-468.54	-92.06	-467.65	18.27
1	17	26	1.34	-0.44	1.06	-0.16	0.64	9.15	-34.10	-3.07	-21.89	19.47
1	17	27	0.17	1.68e-02	0.17	1.68e-02	-7.84e-05	-88.38	-469.93	-89.27	-469.04	18.41
1	17	28	1.09	-0.51	0.74	-0.15	0.66	10.62	-35.04	-0.40	-24.01	19.54
1	17	29	6.23e-03	-0.15	-0.15	6.13e-03	4.01e-03	-87.67	-472.50	-88.53	-471.64	18.19
1	17	30	0.84	-0.58	0.38	-0.11	0.67	11.59	-35.25	1.30	-24.95	19.40
1	17	31	-7.21e-03	-0.43	-0.43	-7.33e-03	7.04e-03	-87.36	-475.19	-88.15	-474.41	17.42
1	17	32	0.61	-0.68	2.96e-02	-9.67e-02	0.64	11.65	-35.75	2.52	-26.62	18.69
1	17	33	9.84e-03	-0.78	-0.78	9.76e-03	8.00e-03	-85.61	-476.91	-86.29	-476.23	16.28
1	17	34	0.44	-0.79	-0.26	-8.82e-02	0.61	12.17	-36.02	4.69	-28.54	17.44
1	17	35	3.19e-02	-1.10	-1.10	3.19e-02	1.03e-02	-83.53	-478.29	-84.10	-477.72	14.94
1	17	36	0.34	-0.88	-0.47	-7.43e-02	0.58	12.70	-36.58	6.74	-30.63	16.07
1	17	37	1.96e-02	-1.18	-1.18	1.95e-02	1.27e-02	-83.95	-480.96	-84.39	-480.52	13.29
1	17	38	0.28	-0.93	-0.62	-3.28e-02	0.53	12.18	-36.52	7.41	-31.75	14.48
1	17	39	1.05e-02	-1.15	-1.15	1.04e-02	9.72e-03	-84.72	-483.54	-85.03	-483.22	11.21
1	17	40	0.22	-0.88	-0.65	-1.33e-02	0.45	10.86	-37.01	7.43	-33.57	12.36
1	17	41	3.42e-02	-1.10	-1.10	3.41e-02	5.36e-03	-84.19	-484.79	-84.39	-484.59	8.91
1	17	42	0.19	-0.68	-0.49	-1.58e-03	0.36	10.03	-38.02	7.87	-35.86	9.97
1	17	43	-1.63e-03	-0.86	-0.86	-2.00e-03	1.80e-02	-84.52	-486.08	-84.63	-485.97	6.62
1	17	44	0.24	-0.41	-0.18	1.33e-02	0.31	7.79	-40.38	6.44	-39.04	7.93
1	17	45	2.24e-02	-0.35	1.07e-02	-0.34	6.47e-02	-97.18	-493.84	-97.23	-493.80	4.10
1	17	46	0.44	-0.57	-0.13	-4.16e-03	0.50	7.00	-40.17	6.86	-40.03	2.55
1	17	47	0.61	0.33	0.61	0.33	-7.67e-03	48.23	9.17	9.20	48.20	1.13
1	17	48	1.16	3.41e-02	1.08	0.11	-0.29	45.84	7.76	8.86	44.74	6.39
1	17	49	1.34	-3.42e-02	1.22	9.05e-02	-0.39	44.04	4.93	7.12	41.85	8.98
1	17	50	1.41	-6.69e-02	1.24	9.95e-02	-0.47	42.69	1.48	4.85	39.32	11.30
1	17	51	1.37	-0.11	1.16	9.99e-02	-0.52	41.24	2.89e-02	4.80	36.47	13.19
1	17	52	1.29	-0.17	1.00	0.11	-0.58	40.32	-0.36	5.84	34.12	14.62
1	17	53	1.13	-0.26	0.74	0.13	-0.62	38.80	-1.54	5.81	31.44	15.58
1	17	54	0.94	-0.37	0.43	0.13	-0.64	37.28	-2.70	5.74	28.84	16.32
1	17	55	0.76	-0.54	0.10	0.13	-0.65	35.86	-2.81	7.09	25.96	16.87
1	17	56	0.64	-0.73	-0.23	0.14	-0.66	34.76	-2.15	8.97	23.63	16.93
1	17	57	0.54	-0.96	-0.57	0.15	-0.66	32.65	-2.25	9.42	20.98	16.47
1	17	58	0.44	-1.18	-0.88	0.15	-0.63	30.33	-2.45	9.56	18.31	15.79
1	17	59	0.37	-1.36	-1.13	0.14	-0.59	28.23	-1.94	10.84	15.46	14.91
1	17	60	0.34	-1.47	-1.28	0.15	-0.56	26.16	-0.85	12.19	13.13	13.50
1	17	61	0.31	-1.52	-1.37	0.15	-0.50	22.88	-0.50	11.83	10.55	11.67
1	17	62	0.27	-1.45	-1.34	0.15	-0.43	19.54	-0.37	11.14	8.03	9.84

1	17	63	0.24	-1.23	-1.15	0.15	-0.35	16.77	-6.43e-02	11.32	5.39	7.88
1	17	64	0.24	-0.87	-0.80	0.17	-0.28	12.44	0.22	9.76	2.90	5.06
1	17	65	0.42	-0.66	-0.51	0.28	-0.37	9.64	-1.82	7.73	8.24e-02	4.27
1	18	1	1.79	0.93	1.78	0.93	4.15e-02	-9.43	-487.80	-9.47	-487.76	-4.51
1	18	2	-0.14	-1.20	-1.14	-0.19	-0.23	7.28	-138.13	-82.75	-48.09	70.61
1	18	3	9.58e-02	-1.39	-1.32	2.48e-02	0.32	55.36	-124.22	-76.22	7.36	-79.48
1	18	4	2.26	0.47	2.25	0.48	-9.75e-02	-11.80	-444.18	-11.80	-444.17	-1.87
1	18	5	-2.38e-03	-1.43	-0.82	-0.62	-0.71	73.95	-115.28	-82.33	41.00	71.75
1	18	6	5.53e-02	-0.98	-0.52	-0.40	0.51	47.88	-122.71	-80.30	5.47	-73.73
1	18	9	1.20e-02	-0.34	1.07e-02	-0.34	2.14e-02	-97.17	-493.85	-97.23	-493.80	-4.68
1	18	10	0.54	-0.60	-0.43	0.36	-0.41	15.36	6.53	13.55	8.34	-3.57
1	18	11	-1.94e-03	-0.86	-0.86	-2.00e-03	7.27e-03	-84.48	-486.13	-84.63	-485.97	-7.90
1	18	12	0.33	-0.75	-0.66	0.25	-0.29	23.15	4.04	17.19	10.00	-8.85
1	18	13	3.45e-02	-1.10	-1.10	3.41e-02	1.93e-02	-84.11	-484.88	-84.39	-484.59	-10.68
1	18	14	0.31	-1.13	-1.05	0.23	-0.33	26.54	2.95	17.95	11.54	-11.35
1	18	15	1.09e-02	-1.15	-1.15	1.04e-02	2.47e-02	-84.62	-483.63	-85.03	-483.22	-12.78
1	18	16	0.33	-1.40	-1.30	0.23	-0.41	29.10	1.18	16.82	13.46	-13.86
1	18	17	1.99e-02	-1.18	-1.18	1.95e-02	2.14e-02	-83.87	-481.05	-84.39	-480.52	-14.47
1	18	18	0.36	-1.51	-1.37	0.22	-0.50	31.75	0.11	16.68	15.17	-15.80
1	18	19	3.21e-02	-1.10	-1.10	3.19e-02	1.61e-02	-83.45	-478.37	-84.10	-477.72	-16.01
1	18	20	0.38	-1.48	-1.29	0.20	-0.55	33.73	-0.55	16.19	17.00	-17.14
1	18	21	9.91e-03	-0.78	-0.78	9.76e-03	1.06e-02	-85.53	-476.99	-86.29	-476.23	-17.24
1	18	22	0.40	-1.37	-1.15	0.18	-0.59	34.49	-2.29	13.87	18.34	-18.25
1	18	23	-7.24e-03	-0.43	-0.43	-7.33e-03	6.11e-03	-87.32	-475.24	-88.15	-474.41	-17.93
1	18	24	0.46	-1.19	-0.90	0.17	-0.63	35.61	-3.77	11.59	20.25	-19.21
1	18	25	6.19e-03	-0.15	-0.15	6.13e-03	3.13e-03	-87.66	-472.51	-88.53	-471.64	-18.27
1	18	26	0.55	-0.96	-0.58	0.16	-0.66	36.65	-4.27	10.44	21.94	-19.64
1	18	27	0.17	1.68e-02	0.17	1.68e-02	7.84e-05	-88.38	-469.93	-89.27	-469.04	-18.41
1	18	28	0.64	-0.73	-0.23	0.14	-0.66	37.17	-4.57	8.97	23.63	-19.54
1	18	29	0.65	-6.12e-03	0.65	-6.09e-03	-4.01e-03	-91.18	-468.53	-92.06	-467.65	-18.19
1	18	30	0.76	-0.54	0.11	0.11	-0.65	36.97	-5.90	6.08	25.00	-19.23
1	18	31	1.03	-2.09e-02	1.03	-2.08e-02	-7.04e-03	-93.15	-466.63	-93.96	-465.81	-17.42
1	18	32	0.94	-0.39	0.45	0.11	-0.64	37.30	-6.68	3.71	26.91	-18.68
1	18	33	1.28	-6.71e-03	1.28	-6.66e-03	-8.00e-03	-93.45	-463.81	-94.17	-463.09	-16.28
1	18	34	1.13	-0.28	0.76	8.89e-02	-0.62	37.48	-6.13	2.78	28.57	-17.58
1	18	35	1.48	2.51e-03	1.48	2.58e-03	-1.03e-02	-93.86	-461.21	-94.46	-460.60	-14.94
1	18	36	1.28	-0.21	1.01	5.98e-02	-0.58	37.45	-5.36	1.84	30.25	-16.02
1	18	37	1.73	-2.07e-02	1.73	-2.06e-02	-1.27e-02	-95.88	-459.72	-96.36	-459.24	-13.29
1	18	38	1.35	-0.16	1.15	3.54e-02	-0.51	37.31	-5.52	-5.65e-02	31.85	-14.28
1	18	39	1.81	-3.25e-02	1.81	-3.24e-02	-9.72e-03	-96.57	-457.70	-96.91	-457.35	-11.21
1	18	40	1.35	-0.13	1.20	2.37e-02	-0.45	37.86	-4.81	-0.84	33.89	-12.40
1	18	41	1.64	-1.41e-02	1.64	-1.41e-02	-5.36e-03	-94.91	-454.50	-95.13	-454.28	-8.91
1	18	42	1.24	-0.11	1.12	8.58e-03	-0.38	38.46	-2.28	0.49	35.70	-10.25
1	18	43	1.32	-4.86e-02	1.32	-4.84e-02	-1.80e-02	-93.07	-451.39	-93.20	-451.27	-6.62
1	18	44	1.03	-5.50e-02	0.94	3.45e-02	-0.30	39.13	-6.05e-02	1.44	37.63	-7.52
1	18	45	1.19	-0.34	1.19	-0.34	-6.47e-02	-102.01	-454.01	-102.05	-453.96	-4.10
1	18	46	0.53	0.23	0.52	0.24	-5.09e-02	41.13	2.19	3.38	39.94	-6.70
1	18	47	0.31	-0.62	-0.22	-8.66e-02	0.46	1.60	-48.85	1.05	-48.29	-5.28
1	18	48	0.14	-0.52	-0.32	-6.59e-02	0.30	-0.20	-46.92	-0.98	-46.14	-5.98
1	18	49	0.11	-0.78	-0.59	-8.35e-02	0.37	3.14	-43.91	1.24	-42.01	-9.26
1	18	50	0.16	-0.94	-0.69	-8.92e-02	0.46	4.68	-41.94	1.74	-38.99	-11.34
1	18	51	0.24	-0.96	-0.63	-9.72e-02	0.54	6.49	-40.31	2.55	-36.37	-12.99
1	18	52	0.31	-0.90	-0.46	-0.13	0.58	7.77	-39.52	2.75	-34.50	-14.57
1	18	53	0.43	-0.80	-0.24	-0.13	0.61	7.93	-37.69	1.66	-31.42	-15.72
1	18	54	0.61	-0.68	4.58e-02	-0.12	0.64	7.81	-35.87	0.49	-28.55	-16.31
1	18	55	0.84	-0.58	0.38	-0.12	0.66	8.41	-34.04	0.28	-25.91	-16.70
1	18	56	1.09	-0.51	0.74	-0.15	0.66	8.44	-32.85	-0.40	-24.01	-16.93
1	18	57	1.33	-0.43	1.05	-0.15	0.64	7.63	-30.62	-2.05	-20.93	-16.63
1	18	58	1.59	-0.36	1.36	-0.14	0.63	6.75	-28.10	-3.33	-18.03	-15.80
1	18	59	1.81	-0.33	1.63	-0.14	0.61	6.56	-25.36	-3.36	-15.43	-14.77
1	18	60	1.97	-0.31	1.82	-0.16	0.56	5.87	-22.98	-3.61	-13.50	-13.54
1	18	61	2.01	-0.26	1.90	-0.15	0.49	4.78	-19.70	-4.48	-10.45	-11.87
1	18	62	1.98	-0.23	1.89	-0.14	0.43	3.79	-16.05	-4.55	-7.71	-9.80
1	18	63	1.85	-0.21	1.78	-0.14	0.37	3.45	-11.96	-2.96	-5.55	-7.60
1	18	64	1.60	-0.16	1.56	-0.12	0.26	2.51	-8.69	-1.88	-4.30	-5.47
1	18	65	0.91	-4.39e-02	0.90	-3.74e-02	-7.84e-02	2.52	-0.18	2.51	-0.17	-0.12
1	19	1	1.79	0.93	1.78	0.93	-4.15e-02	-9.43	-487.80	-9.47	-487.76	4.51
1	19	2	9.58e-02	-1.39	-1.32	2.48e-02	-0.32	55.36	-124.22	-76.22	7.36	79.48
1	19	3	-0.14	-1.20	-1.14	-0.19	0.23	7.28	-138.13	-82.75	-48.09	-70.61
1	19	4	2.26	0.47	2.25	0.48	9.75e-02	-11.80	-444.18	-11.80	-444.17	1.87
1	19	5	5.53e-02	-0.98	-0.52	-0.40	-0.51	47.88	-122.71	-80.30	5.47	73.73
1	19	6	-2.38e-03	-1.43	-0.82	-0.62	0.71	73.95	-115.28	-82.33	41.00	-71.75
1	19	9	1.20e-02	-0.34	1.07e-02	-0.34	-2.14e-02	-97.17	-493.85	-97.23	-493.80	4.68
1	19	10	0.31	-0.62	-0.22	-8.66e-02	-0.46	1.60	-48.85	1.05	-48.29	5.28
1	19	11	-1.94e-03	-0.86	-0.86	-2.00e-03	-7.27e-03	-84.48	-486.13	-84.63	-485.97	7.90

1	19	12	0.14	-0.52	-0.32	-6.59e-02	-0.30	-0.20	-46.92	-0.98	-46.14	5.98
1	19	13	3.45e-02	-1.10	-1.10	3.41e-02	-1.93e-02	-84.11	-484.88	-84.39	-484.59	10.68
1	19	14	0.11	-0.78	-0.59	-8.35e-02	-0.37	3.14	-43.91	1.24	-42.01	9.26
1	19	15	1.09e-02	-1.15	-1.15	1.04e-02	-2.47e-02	-84.62	-483.63	-85.03	-483.22	12.78
1	19	16	0.16	-0.94	-0.69	-8.92e-02	-0.46	4.68	-41.94	1.74	-38.99	11.34
1	19	17	1.99e-02	-1.18	-1.18	1.95e-02	-2.14e-02	-83.87	-481.05	-84.39	-480.52	14.47
1	19	18	0.24	-0.96	-0.63	-9.72e-02	-0.54	6.49	-40.31	2.55	-36.37	12.99
1	19	19	3.21e-02	-1.10	-1.10	3.19e-02	-1.61e-02	-83.45	-478.37	-84.10	-477.72	16.01
1	19	20	0.31	-0.90	-0.46	-0.13	-0.58	7.77	-39.52	2.75	-34.50	14.57
1	19	21	9.91e-03	-0.78	-0.78	9.76e-03	-1.06e-02	-85.53	-476.99	-86.29	-476.23	17.24
1	19	22	0.43	-0.80	-0.24	-0.13	-0.61	7.93	-37.69	1.66	-31.42	15.72
1	19	23	-7.24e-03	-0.43	-0.43	-7.33e-03	-6.11e-03	-87.32	-475.24	-88.15	-474.41	17.93
1	19	24	0.61	-0.68	4.58e-02	-0.12	-0.64	7.81	-35.87	0.49	-28.55	16.31
1	19	25	6.19e-03	-0.15	-0.15	6.13e-03	-3.13e-03	-87.66	-472.51	-88.53	-471.64	18.27
1	19	26	0.84	-0.58	0.38	-0.12	-0.66	8.41	-34.04	0.28	-25.91	16.70
1	19	27	0.17	1.68e-02	0.17	1.68e-02	-7.84e-05	-88.38	-469.93	-89.27	-469.04	18.41
1	19	28	1.09	-0.51	0.74	-0.15	-0.66	8.44	-32.85	-0.40	-24.01	16.93
1	19	29	0.65	-6.12e-03	0.65	-6.09e-03	4.01e-03	-91.18	-468.53	-92.06	-467.65	18.19
1	19	30	1.33	-0.43	1.05	-0.15	-0.64	7.63	-30.62	-2.05	-20.93	16.63
1	19	31	1.03	-2.09e-02	1.03	-2.08e-02	7.04e-03	-93.15	-466.63	-93.96	-465.81	17.42
1	19	32	1.59	-0.36	1.36	-0.14	-0.63	6.75	-28.10	-3.33	-18.03	15.80
1	19	33	1.28	-6.71e-03	1.28	-6.66e-03	8.00e-03	-93.45	-463.81	-94.17	-463.09	16.28
1	19	34	1.81	-0.33	1.63	-0.14	-0.61	6.56	-25.36	-3.36	-15.43	14.77
1	19	35	1.48	2.51e-03	1.48	2.58e-03	1.03e-02	-93.86	-461.21	-94.46	-460.60	14.94
1	19	36	1.97	-0.31	1.82	-0.16	-0.56	5.87	-22.98	-3.61	-13.50	13.54
1	19	37	1.73	-2.07e-02	1.73	-2.06e-02	1.27e-02	-95.88	-459.72	-96.36	-459.24	13.29
1	19	38	2.01	-0.26	1.90	-0.15	-0.49	4.78	-19.70	-4.48	-10.45	11.87
1	19	39	1.81	-3.25e-02	1.81	-3.24e-02	9.72e-03	-96.57	-457.70	-96.91	-457.35	11.21
1	19	40	1.98	-0.23	1.89	-0.14	-0.43	3.79	-16.05	-4.55	-7.71	9.80
1	19	41	1.64	-1.41e-02	1.64	-1.41e-02	5.36e-03	-94.91	-454.50	-95.13	-454.28	8.91
1	19	42	1.85	-0.21	1.78	-0.14	-0.37	3.45	-11.96	-2.96	-5.55	7.60
1	19	43	1.32	-4.86e-02	1.32	-4.84e-02	1.80e-02	-93.07	-451.39	-93.20	-451.27	6.62
1	19	44	1.60	-0.16	1.56	-0.12	-0.26	2.51	-8.69	-1.88	-4.30	5.47
1	19	45	1.19	-0.34	1.19	-0.34	6.47e-02	-102.01	-454.01	-102.05	-453.96	4.10
1	19	46	0.91	-4.39e-02	0.90	-3.74e-02	7.84e-02	2.52	-0.18	2.51	-0.17	0.12
1	19	47	0.54	-0.60	-0.43	0.36	0.41	15.36	6.53	13.55	8.34	3.57
1	19	48	0.33	-0.75	-0.66	0.25	0.29	23.15	4.04	17.19	10.00	8.85
1	19	49	0.31	-1.13	-1.05	0.23	0.33	26.54	2.95	17.95	11.54	11.35
1	19	50	0.33	-1.40	-1.30	0.23	0.41	29.10	1.18	16.82	13.46	13.86
1	19	51	0.36	-1.51	-1.37	0.22	0.50	31.75	0.11	16.68	15.17	15.80
1	19	52	0.38	-1.48	-1.29	0.20	0.55	33.73	-0.55	16.19	17.00	17.14
1	19	53	0.40	-1.37	-1.15	0.18	0.59	34.49	-2.29	13.87	18.34	18.25
1	19	54	0.46	-1.19	-0.90	0.17	0.63	35.61	-3.77	11.59	20.25	19.21
1	19	55	0.55	-0.96	-0.58	0.16	0.66	36.65	-4.27	10.44	21.94	19.64
1	19	56	0.64	-0.73	-0.23	0.14	0.66	37.17	-4.57	8.97	23.63	19.54
1	19	57	0.76	-0.54	0.11	0.11	0.65	36.97	-5.90	6.08	25.00	19.23
1	19	58	0.94	-0.39	0.45	0.11	0.64	37.30	-6.68	3.71	26.91	18.68
1	19	59	1.13	-0.28	0.76	8.89e-02	0.62	37.48	-6.13	2.78	28.57	17.58
1	19	60	1.28	-0.21	1.01	5.98e-02	0.58	37.45	-5.36	1.84	30.25	16.02
1	19	61	1.35	-0.16	1.15	3.54e-02	0.51	37.31	-5.52	-5.65e-02	31.85	14.28
1	19	62	1.35	-0.13	1.20	2.37e-02	0.45	37.86	-4.81	-0.84	33.89	12.40
1	19	63	1.24	-0.11	1.12	8.58e-03	0.38	38.46	-2.28	0.49	35.70	10.25
1	19	64	1.03	-5.50e-02	0.94	3.45e-02	0.30	39.13	-6.04e-02	1.44	37.63	7.52
1	19	65	0.53	0.23	0.52	0.24	5.09e-02	41.13	2.19	3.38	39.94	6.70
1	20	1	2.16	0.57	2.09	0.64	0.33	-10.90	-459.51	-10.99	-459.43	6.23
1	20	2	6.31e-02	-0.44	-0.37	-2.51e-03	-0.17	13.67	-142.20	-77.29	-51.24	76.84
1	20	3	-0.16	-1.92	-1.36	-0.72	0.82	94.79	-111.66	-84.06	67.19	-70.26
1	20	4	1.96	0.75	1.95	0.77	-0.14	-9.80	-472.99	-10.29	-472.50	15.02
1	20	5	0.30	-1.50	-1.33	0.13	-0.53	127.58	-109.49	-69.23	87.32	89.01
1	20	6	-0.40	-0.93	-0.74	-0.60	0.25	-34.72	-153.83	-91.02	-97.53	-59.47
1	20	9	0.82	-0.38	0.78	-0.34	0.22	-99.86	-468.41	-100.36	-467.90	13.66
1	20	10	0.59	-0.29	-0.28	0.58	5.42e-02	75.53	3.18	5.91	72.79	13.80
1	20	11	0.56	-3.82e-02	0.56	-3.21e-02	5.99e-02	-88.90	-464.72	-90.20	-463.41	22.07
1	20	12	0.29	-0.41	-0.38	0.26	0.14	80.94	1.68	8.23	74.39	21.82
1	20	13	0.69	2.34e-03	0.68	2.80e-03	1.79e-02	-89.03	-467.23	-91.37	-464.89	29.69
1	20	14	0.26	-0.47	-0.44	0.24	0.14	85.11	-3.59	8.31	73.21	30.24
1	20	15	0.78	-1.88e-02	0.78	-1.74e-02	3.24e-02	-89.06	-470.10	-92.75	-466.40	37.36
1	20	16	0.29	-0.53	-0.49	0.26	0.17	90.30	-9.24	7.68	73.38	37.39
1	20	17	0.72	-9.01e-03	0.71	-6.54e-03	4.22e-02	-87.01	-471.85	-92.17	-466.69	44.28
1	20	18	0.33	-0.64	-0.60	0.29	0.19	95.95	-12.95	9.26	73.74	43.88
1	20	19	0.58	1.08e-02	0.58	1.28e-02	3.42e-02	-84.35	-473.08	-90.84	-466.60	49.79
1	20	20	0.38	-0.77	-0.74	0.35	0.20	102.47	-15.35	11.82	75.30	49.63
1	20	21	0.56	-2.19e-03	0.56	-9.15e-04	2.67e-02	-83.75	-475.36	-91.41	-467.69	54.25
1	20	22	0.41	-0.94	-0.90	0.37	0.22	106.78	-18.69	12.78	75.31	54.39
1	20	23	0.52	-1.71e-02	0.52	-1.61e-02	2.35e-02	-83.19	-477.56	-91.93	-468.82	58.05

1	20	24	0.43	-1.11	-1.08	0.40	0.21	110.91	-20.61	13.97	76.32	57.90
1	20	25	0.37	-2.30e-03	0.37	-1.82e-03	1.34e-02	-81.34	-478.53	-90.82	-469.05	60.63
1	20	26	0.45	-1.25	-1.23	0.43	0.20	114.24	-20.32	16.73	77.18	60.11
1	20	27	0.17	1.68e-02	0.17	1.68e-02	-2.61e-04	-79.59	-478.71	-89.27	-469.04	61.37
1	20	28	0.50	-1.37	-1.35	0.48	0.20	117.56	-18.43	19.91	79.22	61.18
1	20	29	0.13	1.00e-03	0.13	1.85e-03	-1.04e-02	-80.26	-479.75	-89.77	-470.24	60.89
1	20	30	0.50	-1.48	-1.46	0.48	0.19	117.77	-17.48	21.11	79.18	61.07
1	20	31	8.70e-02	-1.62e-02	8.28e-02	-1.21e-02	-2.04e-02	-81.03	-480.55	-90.18	-471.40	59.76
1	20	32	0.52	-1.54	-1.53	0.50	0.17	117.58	-14.90	22.50	80.19	59.63
1	20	33	2.01e-02	-7.42e-02	-5.81e-02	4.01e-03	-3.55e-02	-80.61	-480.07	-89.05	-471.63	57.45
1	20	34	0.53	-1.55	-1.54	0.52	0.14	116.52	-10.26	25.29	80.97	56.95
1	20	35	3.39e-02	-0.21	-0.20	2.16e-02	-5.36e-02	-80.45	-479.01	-87.73	-471.73	53.38
1	20	36	0.56	-1.47	-1.47	0.56	0.12	115.55	-4.24	28.24	83.07	53.25
1	20	37	3.19e-02	-0.19	-0.16	5.48e-03	-7.14e-02	-82.63	-479.03	-88.58	-473.07	48.23
1	20	38	0.55	-1.35	-1.34	0.54	8.92e-02	111.31	0.47	29.01	82.76	48.47
1	20	39	4.01e-02	-0.16	-0.11	-4.59e-03	-8.22e-02	-84.53	-478.82	-89.19	-474.17	42.60
1	20	40	0.55	-1.13	-1.13	0.55	4.77e-02	107.06	6.88	30.23	83.71	42.36
1	20	41	4.05e-02	-0.16	-0.14	1.73e-02	-6.43e-02	-84.89	-477.24	-88.15	-473.98	35.60
1	20	42	0.55	-0.80	-0.80	0.55	3.20e-02	102.09	16.18	33.64	84.63	34.58
1	20	43	-1.14e-02	-0.10	-9.67e-02	-1.82e-02	-2.42e-02	-85.84	-475.61	-87.63	-473.83	26.32
1	20	44	0.57	-0.46	-0.46	0.57	7.03e-02	97.91	25.21	35.46	87.66	25.30
1	20	45	0.43	-0.34	0.42	-0.34	-7.14e-02	-98.28	-480.49	-98.92	-479.85	15.61
1	20	46	0.91	-0.34	-0.30	0.87	0.22	91.00	23.97	26.61	88.36	13.04
1	20	47	1.08	-0.45	0.98	-0.35	0.38	4.25	-62.15	3.03	-60.93	8.92
1	20	48	1.66	-0.26	1.66	-0.26	-1.88e-02	3.83	-72.05	-2.84	-65.38	21.49
1	20	49	1.75	-0.28	1.75	-0.27	-0.10	8.54	-76.02	-3.20	-64.27	29.25
1	20	50	1.81	-0.29	1.81	-0.29	-0.10	12.51	-82.50	-4.69	-65.30	36.58
1	20	51	1.90	-0.33	1.89	-0.33	-0.10	16.82	-89.55	-5.48	-67.25	43.30
1	20	52	1.97	-0.40	1.96	-0.39	-0.14	20.07	-96.95	-6.34	-70.54	48.92
1	20	53	1.98	-0.40	1.97	-0.38	-0.16	22.67	-101.74	-7.72	-71.36	53.45
1	20	54	1.97	-0.42	1.95	-0.41	-0.17	23.92	-106.87	-9.50	-73.46	57.04
1	20	55	1.93	-0.45	1.92	-0.44	-0.18	24.74	-111.03	-10.36	-75.92	59.45
1	20	56	1.87	-0.51	1.86	-0.49	-0.20	23.91	-114.85	-11.34	-79.60	60.40
1	20	57	1.76	-0.49	1.74	-0.47	-0.21	22.39	-115.46	-12.74	-80.33	60.07
1	20	58	1.63	-0.50	1.61	-0.48	-0.21	19.38	-116.37	-14.51	-82.48	58.76
1	20	59	1.49	-0.52	1.47	-0.50	-0.21	16.00	-116.28	-15.40	-84.88	56.28
1	20	60	1.34	-0.57	1.32	-0.54	-0.22	11.05	-116.19	-16.55	-88.58	52.45
1	20	61	1.15	-0.54	1.12	-0.51	-0.23	5.70	-112.85	-18.10	-89.05	47.48
1	20	62	0.95	-0.53	0.92	-0.50	-0.21	-0.86	-110.33	-20.05	-91.14	41.63
1	20	63	0.77	-0.52	0.75	-0.50	-0.16	-8.40	-107.52	-22.04	-93.88	34.15
1	20	64	0.70	-0.49	0.69	-0.48	-0.12	-17.93	-106.64	-25.08	-99.48	24.15
1	20	65	0.49	-0.73	0.38	-0.62	-0.36	-12.00	-103.47	-15.07	-100.41	16.46
1	21	1	2.16	0.57	2.09	0.64	-0.33	-10.90	-459.51	-10.99	-459.43	-6.23
1	21	2	-0.16	-1.92	-1.36	-0.72	-0.82	94.79	-111.66	-84.06	67.19	70.26
1	21	3	6.31e-02	-0.44	-0.37	-2.50e-03	0.17	13.67	-142.20	-77.29	-51.24	-76.84
1	21	4	1.96	0.75	1.95	0.77	0.14	-9.80	-472.99	-10.29	-472.50	-15.02
1	21	5	-0.40	-0.93	-0.74	-0.60	-0.25	-34.72	-153.83	-91.02	-97.53	59.47
1	21	6	0.30	-1.50	-1.33	0.13	0.53	127.58	-109.49	-69.23	87.32	-89.01
1	21	9	0.82	-0.38	0.78	-0.34	-0.22	-99.86	-468.41	-100.36	-467.90	-13.66
1	21	10	1.08	-0.45	0.98	-0.35	-0.38	4.25	-62.15	3.03	-60.93	-8.92
1	21	11	0.56	-3.82e-02	0.56	-3.21e-02	-5.99e-02	-88.90	-464.72	-90.20	-463.41	-22.07
1	21	12	1.66	-0.26	1.66	-0.26	1.88e-02	3.83	-72.05	-2.84	-65.38	-21.49
1	21	13	0.69	2.34e-03	0.68	2.80e-03	-1.79e-02	-89.03	-467.23	-91.37	-464.89	-29.69
1	21	14	1.75	-0.28	1.75	-0.27	0.10	8.54	-76.02	-3.20	-64.27	-29.25
1	21	15	0.78	-1.88e-02	0.78	-1.74e-02	-3.24e-02	-89.06	-470.10	-92.75	-466.40	-37.36
1	21	16	1.81	-0.29	1.81	-0.29	0.10	12.51	-82.50	-4.69	-65.30	-36.58
1	21	17	0.72	-9.01e-03	0.71	-6.54e-03	-4.22e-02	-87.01	-471.85	-92.17	-466.69	-44.28
1	21	18	1.90	-0.33	1.89	-0.33	0.10	16.82	-89.55	-5.48	-67.25	-43.30
1	21	19	0.58	1.08e-02	0.58	1.28e-02	-3.42e-02	-84.35	-473.08	-90.84	-466.60	-49.79
1	21	20	1.97	-0.40	1.96	-0.39	0.14	20.07	-96.95	-6.34	-70.54	-48.92
1	21	21	0.56	-2.19e-03	0.56	-9.15e-04	-2.67e-02	-83.75	-475.36	-91.41	-467.69	-54.25
1	21	22	1.98	-0.40	1.97	-0.38	0.16	22.67	-101.74	-7.72	-71.36	-53.45
1	21	23	0.52	-1.71e-02	0.52	-1.61e-02	-2.35e-02	-83.19	-477.56	-91.93	-468.82	-58.05
1	21	24	1.97	-0.42	1.95	-0.41	0.17	23.92	-106.87	-9.50	-73.46	-57.04
1	21	25	0.37	-2.30e-03	0.37	-1.82e-03	-1.34e-02	-81.34	-478.53	-90.82	-469.05	-60.63
1	21	26	1.93	-0.45	1.92	-0.44	0.18	24.74	-111.03	-10.36	-75.92	-59.45
1	21	27	0.17	1.68e-02	0.17	1.68e-02	2.61e-04	-79.59	-478.71	-89.27	-469.04	-61.37
1	21	28	1.87	-0.51	1.86	-0.49	0.20	23.91	-114.85	-11.34	-79.60	-60.40
1	21	29	0.13	1.00e-03	0.13	1.85e-03	1.04e-02	-80.26	-479.75	-89.77	-470.24	-60.89
1	21	30	1.76	-0.49	1.74	-0.47	0.21	22.39	-115.46	-12.74	-80.33	-60.07
1	21	31	8.70e-02	-1.62e-02	8.28e-02	-1.21e-02	2.04e-02	-81.03	-480.55	-90.18	-471.40	-59.76
1	21	32	1.63	-0.50	1.61	-0.48	0.21	19.38	-116.37	-14.51	-82.48	-58.76
1	21	33	2.01e-02	-7.42e-02	-5.81e-02	4.01e-03	3.55e-02	-80.61	-480.07	-89.05	-471.63	-57.45
1	21	34	1.49	-0.52	1.47	-0.50	0.21	16.00	-116.28	-15.40	-84.88	-56.28
1	21	35	3.39e-02	-0.21	-0.20	2.16e-02	5.36e-02	-80.45	-479.01	-87.73	-471.73	-53.38

1	21	36	1.34	-0.57	1.32	-0.54	0.22	11.05	-116.19	-16.55	-88.58	-52.45
1	21	37	3.19e-02	-0.19	-0.16	5.48e-03	7.14e-02	-82.63	-479.03	-88.58	-473.07	-48.23
1	21	38	1.15	-0.54	1.12	-0.51	0.23	5.70	-112.85	-18.10	-89.05	-47.48
1	21	39	4.01e-02	-0.16	-0.11	-4.59e-03	8.22e-02	-84.53	-478.82	-89.19	-474.17	-42.60
1	21	40	0.95	-0.53	0.92	-0.50	0.21	-0.86	-110.33	-20.05	-91.14	-41.63
1	21	41	4.05e-02	-0.16	-0.14	1.73e-02	6.43e-02	-84.89	-477.24	-88.15	-473.98	-35.60
1	21	42	0.77	-0.52	0.75	-0.50	0.16	-8.40	-107.52	-22.04	-93.88	-34.15
1	21	43	-1.14e-02	-0.10	-9.67e-02	-1.82e-02	2.42e-02	-85.84	-475.61	-87.63	-473.83	-26.32
1	21	44	0.70	-0.49	0.69	-0.48	0.12	-17.93	-106.64	-25.08	-99.48	-24.15
1	21	45	0.43	-0.34	0.42	-0.34	7.14e-02	-98.28	-480.49	-98.92	-479.85	-15.61
1	21	46	0.49	-0.73	0.38	-0.62	0.36	-12.00	-103.47	-15.07	-100.41	-16.46
1	21	47	0.59	-0.29	-0.28	0.58	-5.42e-02	75.53	3.18	5.91	72.79	-13.80
1	21	48	0.29	-0.41	-0.38	0.26	-0.14	80.94	1.68	8.23	74.39	-21.82
1	21	49	0.26	-0.47	-0.44	0.24	-0.14	85.11	-3.59	8.31	73.21	-30.24
1	21	50	0.29	-0.53	-0.49	0.26	-0.17	90.30	-9.24	7.68	73.38	-37.39
1	21	51	0.33	-0.64	-0.60	0.29	-0.19	95.95	-12.95	9.26	73.74	-43.88
1	21	52	0.38	-0.77	-0.74	0.35	-0.20	102.47	-15.35	11.82	75.30	-49.63
1	21	53	0.41	-0.94	-0.90	0.37	-0.22	106.78	-18.69	12.78	75.31	-54.39
1	21	54	0.43	-1.11	-1.08	0.40	-0.21	110.91	-20.61	13.97	76.32	-57.90
1	21	55	0.45	-1.25	-1.23	0.43	-0.20	114.24	-20.32	16.73	77.18	-60.11
1	21	56	0.50	-1.37	-1.35	0.48	-0.20	117.56	-18.43	19.91	79.22	-61.18
1	21	57	0.50	-1.48	-1.46	0.48	-0.19	117.77	-17.48	21.11	79.18	-61.07
1	21	58	0.52	-1.54	-1.53	0.50	-0.17	117.58	-14.90	22.50	80.19	-59.63
1	21	59	0.53	-1.55	-1.54	0.52	-0.14	116.52	-10.26	25.29	80.97	-56.95
1	21	60	0.56	-1.47	-1.47	0.56	-0.12	115.55	-4.24	28.24	83.07	-53.25
1	21	61	0.55	-1.35	-1.34	0.54	-8.92e-02	111.31	0.47	29.01	82.76	-48.47
1	21	62	0.55	-1.13	-1.13	0.55	-4.77e-02	107.06	6.88	30.23	83.71	-42.36
1	21	63	0.55	-0.80	-0.80	0.55	-3.20e-02	102.09	16.18	33.64	84.63	-34.58
1	21	64	0.57	-0.46	-0.46	0.57	-7.03e-02	97.91	25.21	35.46	87.66	-25.30
1	21	65	0.91	-0.34	-0.30	0.87	-0.22	91.00	23.97	26.61	88.36	-13.04
1	22	1	2.03	0.69	1.95	0.77	0.33	-10.20	-472.59	-10.29	-472.50	6.23
1	22	2	0.13	-0.54	-0.54	0.13	-6.78e-02	7.25	-148.31	-76.74	-64.32	77.53
1	22	3	-0.20	-1.92	-1.53	-0.59	0.72	84.13	-113.54	-83.51	54.11	-70.95
1	22	4	2.10	0.62	2.09	0.64	-0.14	-10.49	-459.93	-10.99	-459.43	15.02
1	22	5	0.28	-1.44	-1.16	6.76e-04	-0.63	137.95	-107.33	-69.78	100.40	88.32
1	22	6	-0.28	-1.01	-0.57	-0.72	0.36	-29.12	-146.89	-91.57	-84.45	-58.78
1	22	9	0.48	-0.39	0.42	-0.34	0.22	-98.43	-480.34	-98.92	-479.85	13.66
1	22	10	0.60	-0.60	-0.59	0.59	-7.24e-02	63.85	4.20	7.22	60.83	13.07
1	22	11	1.41e-02	-0.13	-9.67e-02	-1.82e-02	5.99e-02	-86.37	-475.08	-87.63	-473.83	22.07
1	22	12	0.31	-0.91	-0.91	0.31	-3.47e-02	71.30	3.39	10.73	63.97	21.08
1	22	13	1.93e-02	-0.14	-0.14	1.73e-02	1.79e-02	-85.88	-476.25	-88.15	-473.98	29.69
1	22	15	4.50e-03	-0.12	-0.11	-4.59e-03	3.24e-02	-85.60	-477.76	-89.19	-474.17	37.36
1	22	16	0.30	-1.26	-1.25	0.30	-9.75e-02	84.05	-7.15	11.28	65.62	36.62
1	22	17	1.56e-02	-0.17	-0.16	5.48e-03	4.22e-02	-83.55	-478.10	-88.58	-473.07	44.28
1	22	18	0.34	-1.37	-1.36	0.33	-0.12	91.08	-10.91	12.83	67.35	43.10
1	22	19	2.68e-02	-0.20	-0.20	2.16e-02	3.42e-02	-81.38	-478.08	-87.73	-471.73	49.79
1	22	20	0.38	-1.43	-1.42	0.37	-0.14	98.68	-13.59	14.92	70.16	48.87
1	22	21	1.39e-02	-6.80e-02	-5.81e-02	4.01e-03	2.67e-02	-81.50	-479.18	-89.05	-471.63	54.25
1	22	22	0.40	-1.48	-1.47	0.39	-0.15	103.79	-17.22	15.19	71.38	53.59
1	22	23	8.83e-02	-1.75e-02	8.28e-02	-1.21e-02	2.35e-02	-81.54	-480.05	-90.18	-471.40	58.05
1	22	24	0.43	-1.49	-1.47	0.42	-0.17	108.72	-19.25	15.73	73.74	57.03
1	22	25	0.13	4.63e-04	0.13	1.85e-03	1.34e-02	-80.34	-479.67	-89.77	-470.24	60.63
1	22	26	0.46	-1.45	-1.43	0.44	-0.19	112.90	-19.19	17.74	75.97	59.28
1	22	27	0.17	1.68e-02	0.17	1.68e-02	-2.61e-04	-79.59	-478.71	-89.27	-469.04	61.37
1	22	28	0.50	-1.37	-1.35	0.48	-0.20	116.86	-17.73	19.91	79.22	60.40
1	22	29	0.37	-2.11e-03	0.37	-1.82e-03	-1.04e-02	-81.26	-478.61	-90.82	-469.05	60.89
1	22	30	0.49	-1.28	-1.25	0.47	-0.20	117.61	-17.11	20.11	80.38	60.24
1	22	31	0.52	-1.69e-02	0.52	-1.61e-02	-2.04e-02	-82.68	-478.07	-91.93	-468.82	59.76
1	22	32	0.52	-1.16	-1.13	0.49	-0.21	118.20	-14.69	20.74	82.76	58.77
1	22	33	0.56	-3.16e-03	0.56	-9.15e-04	-3.55e-02	-82.83	-476.27	-91.41	-467.69	57.45
1	22	34	0.53	-1.00	-0.97	0.50	-0.23	118.03	-10.25	22.88	84.90	56.15
1	22	35	0.58	7.77e-03	0.58	1.28e-02	-5.36e-02	-83.40	-474.03	-90.84	-466.60	53.38
1	22	36	0.57	-0.81	-0.78	0.53	-0.22	117.91	-4.57	25.14	88.21	52.49
1	22	37	0.72	-1.35e-02	0.71	-6.54e-03	-7.14e-02	-86.06	-472.80	-92.17	-466.69	48.23
1	22	38	0.55	-0.63	-0.59	0.51	-0.22	114.64	-4.11e-02	25.45	89.15	47.68
1	22	39	0.79	-2.59e-02	0.78	-1.74e-02	-8.22e-02	-87.96	-471.20	-92.75	-466.40	42.60
1	22	40	0.56	-0.41	-0.36	0.51	-0.22	111.78	6.32	26.64	91.47	41.59
1	22	41	0.69	-3.21e-03	0.68	2.80e-03	-6.43e-02	-88.01	-468.25	-91.37	-464.89	35.60
1	22	42	0.56	-0.17	-0.12	0.51	-0.19	108.42	15.70	30.39	93.72	33.86
1	22	43	0.56	-3.31e-02	0.56	-3.21e-02	-2.42e-02	-88.35	-465.26	-90.20	-463.41	26.32
1	22	44	0.55	4.41e-02	6.60e-02	0.53	-0.10	106.30	24.74	32.97	98.08	24.56
1	22	45	0.78	-0.34	0.78	-0.34	-7.14e-02	-99.70	-468.56	-100.36	-467.90	15.61
1	22	46	0.87	3.27e-03	1.28e-02	0.86	9.01e-02	102.28	23.34	25.31	100.31	12.31
1	22	47	0.88	-0.55	0.67	-0.34	0.50	5.52	-74.07	4.33	-72.88	9.65
1	22	48	1.16	-0.23	1.14	-0.22	0.15	5.71	-81.86	-0.35	-75.80	22.23

1	22	49	1.08	-0.24	1.07	-0.23	0.11	10.72	-84.04	4.44e-02	-73.37	29.96
1	22	50	1.06	-0.27	1.04	-0.25	0.16	14.79	-88.94	-1.10	-73.05	37.35
1	22	51	1.16	-0.32	1.13	-0.29	0.20	19.05	-94.60	-1.91	-73.64	44.08
1	22	52	1.30	-0.39	1.28	-0.36	0.20	22.02	-100.93	-3.23	-75.68	49.67
1	22	53	1.43	-0.39	1.41	-0.37	0.20	24.26	-104.85	-5.30	-75.29	54.25
1	22	54	1.58	-0.42	1.56	-0.39	0.21	25.34	-109.11	-7.74	-76.03	57.91
1	22	55	1.74	-0.45	1.71	-0.43	0.22	25.90	-112.39	-9.36	-77.13	60.28
1	22	56	1.87	-0.51	1.86	-0.49	0.20	24.59	-115.53	-11.34	-79.60	61.18
1	22	57	1.96	-0.49	1.94	-0.48	0.18	22.69	-115.56	-13.74	-79.12	60.90
1	22	58	2.02	-0.50	2.01	-0.49	0.17	19.50	-115.66	-16.27	-79.90	59.62
1	22	59	2.05	-0.52	2.04	-0.52	0.15	15.85	-114.61	-17.82	-80.95	57.08
1	22	60	2.01	-0.58	2.01	-0.57	0.12	10.48	-113.58	-19.66	-83.45	53.20
1	22	61	1.88	-0.54	1.88	-0.54	7.36e-02	4.93	-109.26	-21.66	-82.67	48.27
1	22	62	1.68	-0.54	1.68	-0.54	5.16e-02	-1.65	-105.37	-23.64	-83.38	42.40
1	22	63	1.43	-0.55	1.43	-0.54	5.72e-02	-9.21	-100.87	-25.29	-84.79	34.86
1	22	64	1.21	-0.52	1.21	-0.52	5.44e-02	-18.77	-97.88	-27.58	-89.06	24.89
1	22	65	0.73	-0.67	0.69	-0.63	-0.23	-12.48	-92.34	-16.37	-88.45	17.19
1	23	1	2.03	0.69	1.95	0.77	-0.33	-10.20	-472.59	-10.29	-472.50	-6.23
1	23	2	-0.20	-1.92	-1.53	-0.59	-0.72	84.13	-113.54	-83.51	54.11	70.95
1	23	3	0.13	-0.54	-0.54	0.13	6.78e-02	7.25	-148.31	-76.74	-64.32	-77.53
1	23	4	2.10	0.62	2.09	0.64	0.14	-10.49	-459.93	-10.99	-459.43	-15.02
1	23	5	-0.28	-1.01	-0.57	-0.72	-0.36	-29.12	-146.89	-91.57	-84.45	58.78
1	23	6	0.28	-1.44	-1.16	6.76e-04	0.63	137.95	-107.33	-69.78	100.40	-88.32
1	23	9	0.48	-0.39	0.42	-0.34	-0.22	-98.43	-480.34	-98.92	-479.85	-13.66
1	23	10	0.88	-0.55	0.67	-0.34	-0.50	5.52	-74.07	4.33	-72.88	-9.65
1	23	11	1.41e-02	-0.13	-9.67e-02	-1.82e-02	-5.99e-02	-86.37	-475.08	-87.63	-473.83	-22.07
1	23	12	1.16	-0.23	1.14	-0.22	-0.15	5.71	-81.86	-0.35	-75.80	-22.23
1	23	13	1.93e-02	-0.14	-0.14	1.73e-02	-1.79e-02	-85.88	-476.25	-88.15	-473.98	-29.69
1	23	14	1.08	-0.24	1.07	-0.23	-0.11	10.72	-84.04	4.44e-02	-73.37	-29.96
1	23	15	4.50e-03	-0.12	-0.11	-4.59e-03	-3.24e-02	-85.60	-477.76	-89.19	-474.17	-37.36
1	23	16	1.06	-0.27	1.04	-0.25	-0.16	14.79	-88.94	-1.10	-73.05	-37.35
1	23	17	1.56e-02	-0.17	-0.16	5.48e-03	-4.22e-02	-83.55	-478.10	-88.58	-473.07	-44.28
1	23	18	1.16	-0.32	1.13	-0.29	-0.20	19.05	-94.60	-1.91	-73.64	-44.08
1	23	19	2.68e-02	-0.20	-0.20	2.16e-02	-3.42e-02	-81.38	-478.08	-87.73	-471.73	-49.79
1	23	20	1.30	-0.39	1.28	-0.36	-0.20	22.02	-100.93	-3.23	-75.68	-49.67
1	23	21	1.39e-02	-6.80e-02	-5.81e-02	4.01e-03	-2.67e-02	-81.50	-479.18	-89.05	-471.63	-54.25
1	23	22	1.43	-0.39	1.41	-0.37	-0.20	24.26	-104.85	-5.30	-75.29	-54.25
1	23	23	8.83e-02	-1.75e-02	8.28e-02	-1.21e-02	-2.35e-02	-81.54	-480.05	-90.18	-471.40	-58.05
1	23	24	1.58	-0.42	1.56	-0.39	-0.21	25.34	-109.11	-7.74	-76.03	-57.91
1	23	25	0.13	4.63e-04	0.13	1.85e-03	-1.34e-02	-80.34	-479.67	-89.77	-470.24	-60.63
1	23	26	1.74	-0.45	1.71	-0.43	-0.22	25.90	-112.39	-9.36	-77.13	-60.28
1	23	27	0.17	1.68e-02	0.17	1.68e-02	2.61e-04	-79.59	-478.71	-89.27	-469.04	-61.37
1	23	28	1.87	-0.51	1.86	-0.49	-0.20	24.59	-115.53	-11.34	-79.60	-61.18
1	23	29	0.37	-2.11e-03	0.37	-1.82e-03	1.04e-02	-81.26	-478.61	-90.82	-469.05	-60.89
1	23	30	1.96	-0.49	1.94	-0.48	-0.18	22.69	-115.56	-13.74	-79.12	-60.90
1	23	31	0.52	-1.69e-02	0.52	-1.61e-02	2.04e-02	-82.68	-478.07	-91.93	-468.82	-59.76
1	23	32	2.02	-0.50	2.01	-0.49	-0.17	19.50	-115.66	-16.27	-79.90	-59.62
1	23	33	0.56	-3.16e-03	0.56	-9.15e-04	3.55e-02	-82.83	-476.27	-91.41	-467.69	-57.45
1	23	34	2.05	-0.52	2.04	-0.52	-0.15	15.85	-114.61	-17.82	-80.95	-57.08
1	23	35	0.58	7.77e-03	0.58	1.28e-02	5.36e-02	-83.40	-474.03	-90.84	-466.60	-53.38
1	23	36	2.01	-0.58	2.01	-0.57	-0.12	10.48	-113.58	-19.66	-83.45	-53.20
1	23	37	0.72	-1.35e-02	0.71	-6.54e-03	7.14e-02	-86.06	-472.80	-92.17	-466.69	-48.23
1	23	38	1.88	-0.54	1.88	-0.54	-7.36e-02	4.93	-109.26	-21.66	-82.67	-48.27
1	23	39	0.79	-2.59e-02	0.78	-1.74e-02	8.22e-02	-87.96	-471.20	-92.75	-466.40	-42.60
1	23	40	1.68	-0.54	1.68	-0.54	-5.16e-02	-1.65	-105.37	-23.64	-83.38	-42.40
1	23	41	0.69	-3.21e-03	0.68	2.80e-03	6.43e-02	-88.01	-468.25	-91.37	-464.89	-35.60
1	23	42	1.43	-0.55	1.43	-0.54	-5.72e-02	-9.21	-100.87	-25.29	-84.79	-34.86
1	23	43	0.56	-3.31e-02	0.56	-3.21e-02	2.42e-02	-88.35	-465.26	-90.20	-463.41	-26.32
1	23	44	1.21	-0.52	1.21	-0.52	-5.44e-02	-18.77	-97.88	-27.58	-89.06	-24.89
1	23	45	0.78	-0.34	0.78	-0.34	7.14e-02	-99.70	-468.56	-100.36	-467.90	-15.61
1	23	46	0.73	-0.67	0.69	-0.63	0.23	-12.48	-92.34	-16.37	-88.45	-17.19
1	23	47	0.60	-0.60	-0.59	0.59	7.24e-02	63.85	4.20	7.22	60.83	-13.07
1	23	48	0.31	-0.91	-0.91	0.31	3.47e-02	71.30	3.39	10.73	63.97	-21.08
1	23	49	0.28	-1.12	-1.12	0.28	7.84e-02	77.37	-1.69	11.56	64.11	-29.53
1	23	50	0.30	-1.26	-1.25	0.30	9.75e-02	84.05	-7.15	11.28	65.62	-36.62
1	23	51	0.34	-1.37	-1.36	0.33	0.12	91.08	-10.91	12.83	67.35	-43.10
1	23	52	0.38	-1.43	-1.42	0.37	0.14	98.68	-13.59	14.92	70.16	-48.87
1	23	53	0.40	-1.48	-1.47	0.39	0.15	103.79	-17.22	15.19	71.38	-53.59
1	23	54	0.43	-1.49	-1.47	0.42	0.17	108.72	-19.25	15.73	73.74	-57.03
1	23	55	0.46	-1.45	-1.43	0.44	0.19	112.90	-19.19	17.74	75.97	-59.28
1	23	56	0.50	-1.37	-1.35	0.48	0.20	116.86	-17.73	19.91	79.22	-60.40
1	23	57	0.49	-1.28	-1.25	0.47	0.20	117.61	-17.11	20.11	80.38	-60.24
1	23	58	0.52	-1.16	-1.13	0.49	0.21	118.20	-14.69	20.74	82.76	-58.77
1	23	59	0.53	-1.00	-0.97	0.50	0.23	118.03	-10.25	22.88	84.90	-56.15
1	23	60	0.57	-0.81	-0.78	0.53	0.22	117.91	-4.57	25.14	88.21	-52.49



1	23	61	0.55	-0.63	-0.59	0.51	0.22	114.64	-4.11e-02	25.45	89.15	-47.68
1	23	62	0.56	-0.41	-0.36	0.51	0.22	111.78	6.32	26.64	91.47	-41.59
1	23	63	0.56	-0.17	-0.12	0.51	0.19	108.42	15.70	30.39	93.72	-33.86
1	23	64	0.55	4.41e-02	6.60e-02	0.53	0.10	106.30	24.74	32.97	98.08	-24.56
1	23	65	0.87	3.27e-03	1.28e-02	0.86	-9.01e-02	102.28	23.34	25.31	100.31	-12.31
1	24	1	2.16	0.57	2.09	0.64	0.33	-10.90	-459.51	-10.99	-459.43	6.23
1	24	2	6.31e-02	-0.44	-0.37	-2.51e-03	-0.17	13.67	-142.20	-77.29	-51.24	76.84
1	24	3	-0.16	-1.92	-1.36	-0.72	0.82	94.79	-111.66	-84.06	67.19	-70.26
1	24	4	1.96	0.75	1.95	0.77	-0.14	-9.80	-472.99	-10.29	-472.50	15.02
1	24	5	0.30	-1.50	-1.33	0.13	-0.53	127.58	-109.49	-69.23	87.32	89.01
1	24	6	-0.40	-0.93	-0.74	-0.60	0.25	-34.72	-153.83	-91.02	-97.53	-59.47
1	24	9	0.82	-0.38	0.78	-0.34	0.22	-99.86	-468.41	-100.36	-467.90	13.66
1	24	10	0.59	-0.29	-0.28	0.58	5.42e-02	75.53	3.18	5.91	72.79	13.80
1	24	11	0.56	-3.82e-02	0.56	-3.21e-02	5.99e-02	-88.90	-464.72	-90.20	-463.41	22.07
1	24	12	0.29	-0.41	-0.38	0.26	0.14	80.94	1.68	8.23	74.39	21.82
1	24	13	0.69	2.34e-03	0.68	2.80e-03	1.79e-02	-89.03	-467.23	-91.37	-464.89	29.69
1	24	14	0.26	-0.47	-0.44	0.24	0.14	85.11	-3.59	8.31	73.21	30.24
1	24	15	0.78	-1.88e-02	0.78	-1.74e-02	3.24e-02	-89.06	-470.10	-92.75	-466.40	37.36
1	24	16	0.29	-0.53	-0.49	0.26	0.17	90.30	-9.24	7.68	73.38	37.39
1	24	17	0.72	-9.01e-03	0.71	-6.54e-03	4.22e-02	-87.01	-471.85	-92.17	-466.69	44.28
1	24	18	0.33	-0.64	-0.60	0.29	0.19	95.95	-12.95	9.26	73.74	43.88
1	24	19	0.58	1.08e-02	0.58	1.28e-02	3.42e-02	-84.35	-473.08	-90.84	-466.60	49.79
1	24	20	0.38	-0.77	-0.74	0.35	0.20	102.47	-15.35	11.82	75.30	49.63
1	24	21	0.56	-2.19e-03	0.56	-9.15e-04	2.67e-02	-83.75	-475.36	-91.41	-467.69	54.25
1	24	22	0.41	-0.94	-0.90	0.37	0.22	106.78	-18.69	12.78	75.31	54.39
1	24	23	0.52	-1.71e-02	0.52	-1.61e-02	2.35e-02	-83.19	-477.56	-91.93	-468.82	58.05
1	24	24	0.43	-1.11	-1.08	0.40	0.21	110.91	-20.61	13.97	76.32	57.90
1	24	25	0.37	-2.30e-03	0.37	-1.82e-03	1.34e-02	-81.34	-478.53	-90.82	-469.05	60.63
1	24	26	0.45	-1.25	-1.23	0.43	0.20	114.24	-20.32	16.73	77.18	60.11
1	24	27	0.17	1.68e-02	0.17	1.68e-02	-2.61e-04	-79.59	-478.71	-89.27	-469.04	61.37
1	24	28	0.50	-1.37	-1.35	0.48	0.20	117.56	-18.43	19.91	79.22	61.18
1	24	29	0.13	1.00e-03	0.13	1.85e-03	-1.04e-02	-80.26	-479.75	-89.77	-470.24	60.89
1	24	30	0.50	-1.48	-1.46	0.48	0.19	117.77	-17.48	21.11	79.18	61.07
1	24	31	8.70e-02	-1.62e-02	8.28e-02	-1.21e-02	-2.04e-02	-81.03	-480.55	-90.18	-471.40	59.76
1	24	32	0.52	-1.54	-1.53	0.50	0.17	117.58	-14.90	22.50	80.19	59.63
1	24	33	2.01e-02	-7.42e-02	-5.81e-02	4.01e-03	-3.55e-02	-80.61	-480.07	-89.05	-471.63	57.45
1	24	34	0.53	-1.55	-1.54	0.52	0.14	116.52	-10.26	25.29	80.97	56.95
1	24	35	3.39e-02	-0.21	-0.20	2.16e-02	-5.36e-02	-80.45	-479.01	-87.73	-471.73	53.38
1	24	36	0.56	-1.47	-1.47	0.56	0.12	115.55	-4.24	28.24	83.07	53.25
1	24	37	3.19e-02	-0.19	-0.16	5.48e-03	-7.14e-02	-82.63	-479.03	-88.58	-473.07	48.23
1	24	38	0.55	-1.35	-1.34	0.54	8.92e-02	111.31	0.47	29.01	82.76	48.47
1	24	39	4.01e-02	-0.16	-0.11	-4.59e-03	-8.22e-02	-84.53	-478.82	-89.19	-474.17	42.60
1	24	40	0.55	-1.13	-1.13	0.55	4.77e-02	107.06	6.88	30.23	83.71	42.36
1	24	41	4.05e-02	-0.16	-0.14	1.73e-02	-6.43e-02	-84.89	-477.24	-88.15	-473.98	35.60
1	24	42	0.55	-0.80	-0.80	0.55	3.20e-02	102.09	16.18	33.64	84.63	34.58
1	24	43	-1.14e-02	-0.10	-9.67e-02	-1.82e-02	-2.42e-02	-85.84	-475.61	-87.63	-473.83	26.32
1	24	44	0.57	-0.46	-0.46	0.57	7.03e-02	97.91	25.21	35.46	87.66	25.30
1	24	45	0.43	-0.34	0.42	-0.34	-7.14e-02	-98.28	-480.49	-98.92	-479.85	15.61
1	24	46	0.91	-0.34	-0.30	0.87	0.22	91.00	23.97	26.61	88.36	13.04
1	24	47	1.08	-0.45	0.98	-0.35	0.38	4.25	-62.15	3.03	-60.93	8.92
1	24	48	1.66	-0.26	1.66	-0.26	-1.88e-02	3.83	-72.05	-2.84	-65.38	21.49
1	24	49	1.75	-0.28	1.75	-0.27	-0.10	8.54	-76.02	-3.20	-64.27	29.25
1	24	50	1.81	-0.29	1.81	-0.29	-0.10	12.51	-82.50	-4.69	-65.30	36.58
1	24	51	1.90	-0.33	1.89	-0.33	-0.10	16.82	-89.55	-5.48	-67.25	43.30
1	24	52	1.97	-0.40	1.96	-0.39	-0.14	20.07	-96.95	-6.34	-70.54	48.92
1	24	53	1.98	-0.40	1.97	-0.38	-0.16	22.67	-101.74	-7.72	-71.36	53.45
1	24	54	1.97	-0.42	1.95	-0.41	-0.17	23.92	-106.87	-9.50	-73.46	57.04
1	24	55	1.93	-0.45	1.92	-0.44	-0.18	24.74	-111.03	-10.36	-75.92	59.45
1	24	56	1.87	-0.51	1.86	-0.49	-0.20	23.91	-114.85	-11.34	-79.60	60.40
1	24	57	1.76	-0.49	1.74	-0.47	-0.21	22.39	-115.46	-12.74	-80.33	60.07
1	24	58	1.63	-0.50	1.61	-0.48	-0.21	19.38	-116.37	-14.51	-82.48	58.76
1	24	59	1.49	-0.52	1.47	-0.50	-0.21	16.00	-116.28	-15.40	-84.88	56.28
1	24	60	1.34	-0.57	1.32	-0.54	-0.22	11.05	-116.19	-16.55	-88.58	52.45
1	24	61	1.15	-0.54	1.12	-0.51	-0.23	5.70	-112.85	-18.10	-89.05	47.48
1	24	62	0.95	-0.53	0.92	-0.50	-0.21	-0.86	-110.33	-20.05	-91.14	41.63
1	24	63	0.77	-0.52	0.75	-0.50	-0.16	-8.40	-107.52	-22.04	-93.88	34.15
1	24	64	0.70	-0.49	0.69	-0.48	-0.12	-17.93	-106.64	-25.08	-99.48	24.15
1	24	65	0.49	-0.73	0.38	-0.62	-0.36	-12.00	-103.47	-15.07	-100.41	16.46
1	25	1	2.16	0.57	2.09	0.64	-0.33	-10.90	-459.51	-10.99	-459.43	-6.23
1	25	2	-0.16	-1.92	-1.36	-0.72	-0.82	94.79	-111.66	-84.06	67.19	70.26
1	25	3	6.31e-02	-0.44	-0.37	-2.50e-03	0.17	13.67	-142.20	-77.29	-51.24	-76.84
1	25	4	1.96	0.75	1.95	0.77	0.14	-9.80	-472.99	-10.29	-472.50	-15.02
1	25	5	-0.40	-0.93	-0.74	-0.60	-0.25	-34.72	-153.83	-91.02	-97.53	59.47
1	25	6	0.30	-1.50	-1.33	0.13	0.53	127.58	-109.49	-69.23	87.32	-89.01
1	25	9	0.82	-0.38	0.78	-0.34	-0.22	-99.86	-468.41	-100.36	-467.90	-13.66

1	25	10	1.08	-0.45	0.98	-0.35	-0.38	4.25	-62.15	3.03	-60.93	-8.92
1	25	11	0.56	-3.82e-02	0.56	-3.21e-02	-5.99e-02	-88.90	-464.72	-90.20	-463.41	-22.07
1	25	12	1.66	-0.26	1.66	-0.26	1.88e-02	3.83	-72.05	-2.84	-65.38	-21.49
1	25	13	0.69	2.34e-03	0.68	2.80e-03	-1.79e-02	-89.03	-467.23	-91.37	-464.89	-29.69
1	25	14	1.75	-0.28	1.75	-0.27	0.10	8.54	-76.02	-3.20	-64.27	-29.25
1	25	15	0.78	-1.88e-02	0.78	-1.74e-02	-3.24e-02	-89.06	-470.10	-92.75	-466.40	-37.36
1	25	16	1.81	-0.29	1.81	-0.29	0.10	12.51	-82.50	-4.69	-65.30	-36.58
1	25	17	0.72	-9.01e-03	0.71	-6.54e-03	-4.22e-02	-87.01	-471.85	-92.17	-466.69	-44.28
1	25	18	1.90	-0.33	1.89	-0.33	0.10	16.82	-89.55	-5.48	-67.25	-43.30
1	25	19	0.58	1.08e-02	0.58	1.28e-02	-3.42e-02	-84.35	-473.08	-90.84	-466.60	-49.79
1	25	20	1.97	-0.40	1.96	-0.39	0.14	20.07	-96.95	-6.34	-70.54	-48.92
1	25	21	0.56	-2.19e-03	0.56	-9.15e-04	-2.67e-02	-83.75	-475.36	-91.41	-467.69	-54.25
1	25	22	1.98	-0.40	1.97	-0.38	0.16	22.67	-101.74	-7.72	-71.36	-53.45
1	25	23	0.52	-1.71e-02	0.52	-1.61e-02	-2.35e-02	-83.19	-477.56	-91.93	-468.82	-58.05
1	25	24	1.97	-0.42	1.95	-0.41	0.17	23.92	-106.87	-9.50	-73.46	-57.04
1	25	25	0.37	-2.30e-03	0.37	-1.82e-03	-1.34e-02	-81.34	-478.53	-90.82	-469.05	-60.63
1	25	26	1.93	-0.45	1.92	-0.44	0.18	24.74	-111.03	-10.36	-75.92	-59.45
1	25	27	0.17	1.68e-02	0.17	1.68e-02	2.61e-04	-79.59	-478.71	-89.27	-469.04	-61.37
1	25	28	1.87	-0.51	1.86	-0.49	0.20	23.91	-114.85	-11.34	-79.60	-60.40
1	25	29	0.13	1.00e-03	0.13	1.85e-03	1.04e-02	-80.26	-479.75	-89.77	-470.24	-60.89
1	25	30	1.76	-0.49	1.74	-0.47	0.21	22.39	-115.46	-12.74	-80.33	-60.07
1	25	31	8.70e-02	-1.62e-02	8.28e-02	-1.21e-02	2.04e-02	-81.03	-480.55	-90.18	-471.40	-59.76
1	25	32	1.63	-0.50	1.61	-0.48	0.21	19.38	-116.37	-14.51	-82.48	-58.76
1	25	33	2.01e-02	-7.42e-02	-5.81e-02	4.01e-03	3.55e-02	-80.61	-480.07	-89.05	-471.63	-57.45
1	25	34	1.49	-0.52	1.47	-0.50	0.21	16.00	-116.28	-15.40	-84.88	-56.28
1	25	35	3.39e-02	-0.21	-0.20	2.16e-02	5.36e-02	-80.45	-479.01	-87.73	-471.73	-53.38
1	25	36	1.34	-0.57	1.32	-0.54	0.22	11.05	-116.19	-16.55	-88.58	-52.45
1	25	37	3.19e-02	-0.19	-0.16	5.48e-03	7.14e-02	-82.63	-479.03	-88.58	-473.07	-48.23
1	25	38	1.15	-0.54	1.12	-0.51	0.23	5.70	-112.85	-18.10	-89.05	-47.48
1	25	39	4.01e-02	-0.16	-0.11	-4.59e-03	8.22e-02	-84.53	-478.82	-89.19	-474.17	-42.60
1	25	40	0.95	-0.53	0.92	-0.50	0.21	-0.86	-110.33	-20.05	-91.14	-41.63
1	25	41	4.05e-02	-0.16	-0.14	1.73e-02	6.43e-02	-84.89	-477.24	-88.15	-473.98	-35.60
1	25	42	0.77	-0.52	0.75	-0.50	0.16	-8.40	-107.52	-22.04	-93.88	-34.15
1	25	43	-1.14e-02	-0.10	-9.67e-02	-1.82e-02	2.42e-02	-85.84	-475.61	-87.63	-473.83	-26.32
1	25	44	0.70	-0.49	0.69	-0.48	0.12	-17.93	-106.64	-25.08	-99.48	-24.15
1	25	45	0.43	-0.34	0.42	-0.34	7.14e-02	-98.28	-480.49	-98.92	-479.85	-15.61
1	25	46	0.49	-0.73	0.38	-0.62	0.36	-12.00	-103.47	-15.07	-100.41	-16.46
1	25	47	0.59	-0.29	-0.28	0.58	-5.42e-02	75.53	3.18	5.91	72.79	-13.80
1	25	48	0.29	-0.41	-0.38	0.26	-0.14	80.94	1.68	8.23	74.39	-21.82
1	25	49	0.26	-0.47	-0.44	0.24	-0.14	85.11	-3.59	8.31	73.21	-30.24
1	25	50	0.29	-0.53	-0.49	0.26	-0.17	90.30	-9.24	7.68	73.38	-37.39
1	25	51	0.33	-0.64	-0.60	0.29	-0.19	95.95	-12.95	9.26	73.74	-43.88
1	25	52	0.38	-0.77	-0.74	0.35	-0.20	102.47	-15.35	11.82	75.30	-49.63
1	25	53	0.41	-0.94	-0.90	0.37	-0.22	106.78	-18.69	12.78	75.31	-54.39
1	25	54	0.43	-1.11	-1.08	0.40	-0.21	110.91	-20.61	13.97	76.32	-57.90
1	25	55	0.45	-1.25	-1.23	0.43	-0.20	114.24	-20.32	16.73	77.18	-60.11
1	25	56	0.50	-1.37	-1.35	0.48	-0.20	117.56	-18.43	19.91	79.22	-61.18
1	25	57	0.50	-1.48	-1.46	0.48	-0.19	117.77	-17.48	21.11	79.18	-61.07
1	25	58	0.52	-1.54	-1.53	0.50	-0.17	117.58	-14.90	22.50	80.19	-59.63
1	25	59	0.53	-1.55	-1.54	0.52	-0.14	116.52	-10.26	25.29	80.97	-56.95
1	25	60	0.56	-1.47	-1.47	0.56	-0.12	115.55	-4.24	28.24	83.07	-53.25
1	25	61	0.55	-1.35	-1.34	0.54	-8.92e-02	111.31	0.47	29.01	82.76	-48.47
1	25	62	0.55	-1.13	-1.13	0.55	-4.77e-02	107.06	6.88	30.23	83.71	-42.36
1	25	63	0.55	-0.80	-0.80	0.55	-3.20e-02	102.09	16.18	33.64	84.63	-34.58
1	25	64	0.57	-0.46	-0.46	0.57	-7.03e-02	97.91	25.21	35.46	87.66	-25.30
1	25	65	0.91	-0.34	-0.30	0.87	-0.22	91.00	23.97	26.61	88.36	-13.04
1	26	1	2.03	0.69	1.95	0.77	0.33	-10.20	-472.59	-10.29	-472.50	6.23
1	26	2	0.13	-0.54	-0.54	0.13	-6.78e-02	7.25	-148.31	-76.74	-64.32	77.53
1	26	3	-0.20	-1.92	-1.53	-0.59	0.72	84.13	-113.54	-83.51	54.11	-70.95
1	26	4	2.10	0.62	2.09	0.64	-0.14	-10.49	-459.93	-10.99	-459.43	15.02
1	26	5	0.28	-1.44	-1.16	6.76e-04	-0.63	137.95	-107.33	-69.78	100.40	88.32
1	26	6	-0.28	-1.01	-0.57	-0.72	0.36	-29.12	-146.89	-91.57	-84.45	-58.78
1	26	9	0.48	-0.39	0.42	-0.34	0.22	-98.43	-480.34	-98.92	-479.85	13.66
1	26	10	0.60	-0.60	-0.59	0.59	-7.24e-02	63.85	4.20	7.22	60.83	13.07
1	26	11	1.41e-02	-0.13	-9.67e-02	-1.82e-02	5.99e-02	-86.37	-475.08	-87.63	-473.83	22.07
1	26	12	0.31	-0.91	-0.91	0.31	-3.47e-02	71.30	3.39	10.73	63.97	21.08
1	26	13	1.93e-02	-0.14	-0.14	1.73e-02	1.79e-02	-85.88	-476.25	-88.15	-473.98	29.69
1	26	14	0.28	-1.12	-1.12	0.28	-7.84e-02	77.37	-1.69	11.56	64.11	29.53
1	26	15	4.50e-03	-0.12	-0.11	-4.59e-03	3.24e-02	-85.60	-477.76	-89.19	-474.17	37.36
1	26	16	0.30	-1.26	-1.25	0.30	-9.75e-02	84.05	-7.15	11.28	65.62	36.62
1	26	17	1.56e-02	-0.17	-0.16	5.48e-03	4.22e-02	-83.55	-478.10	-88.58	-473.07	44.28
1	26	18	0.34	-1.37	-1.36	0.33	-0.12	91.08	-10.91	12.83	67.35	43.10
1	26	19	2.68e-02	-0.20	-0.20	2.16e-02	3.42e-02	-81.38	-478.08	-87.73	-471.73	49.79
1	26	20	0.38	-1.43	-1.42	0.37	-0.14	98.68	-13.59	14.92	70.16	48.87
1	26	21	1.39e-02	-6.80e-02	-5.81e-02	4.01e-03	2.67e-02	-81.50	-479.18	-89.05	-471.63	54.25

1	26	22	0.40	-1.48	-1.47	0.39	-0.15	103.79	-17.22	15.19	71.38	53.59
1	26	23	8.83e-02	-1.75e-02	8.28e-02	-1.21e-02	2.35e-02	-81.54	-480.05	-90.18	-471.40	58.05
1	26	24	0.43	-1.49	-1.47	0.42	-0.17	108.72	-19.25	15.73	73.74	57.03
1	26	25	0.13	4.63e-04	0.13	1.85e-03	1.34e-02	-80.34	-479.67	-89.77	-470.24	60.63
1	26	26	0.46	-1.45	-1.43	0.44	-0.19	112.90	-19.19	17.74	75.97	59.28
1	26	27	0.17	1.68e-02	0.17	1.68e-02	-2.61e-04	-79.59	-478.71	-89.27	-469.04	61.37
1	26	28	0.50	-1.37	-1.35	0.48	-0.20	116.86	-17.73	19.91	79.22	60.40
1	26	29	0.37	-2.11e-03	0.37	-1.82e-03	-1.04e-02	-81.26	-478.61	-90.82	-469.05	60.89
1	26	30	0.49	-1.28	-1.25	0.47	-0.20	117.61	-17.11	20.11	80.38	60.24
1	26	31	0.52	-1.69e-02	0.52	-1.61e-02	-2.04e-02	-82.68	-478.07	-91.93	-468.82	59.76
1	26	32	0.52	-1.16	-1.13	0.49	-0.21	118.20	-14.69	20.74	82.76	58.77
1	26	33	0.56	-3.16e-03	0.56	-9.15e-04	-3.55e-02	-82.83	-476.27	-91.41	-467.69	57.45
1	26	34	0.53	-1.00	-0.97	0.50	-0.23	118.03	-10.25	22.88	84.90	56.15
1	26	35	0.58	7.77e-03	0.58	1.28e-02	-5.36e-02	-83.40	-474.03	-90.84	-466.60	53.38
1	26	36	0.57	-0.81	-0.78	0.53	-0.22	117.91	-4.57	25.14	88.21	52.49
1	26	37	0.72	-1.35e-02	0.71	-6.54e-03	-7.14e-02	-86.06	-472.80	-92.17	-466.69	48.23
1	26	38	0.55	-0.63	-0.59	0.51	-0.22	114.64	-4.11e-02	25.45	89.15	47.68
1	26	39	0.79	-2.59e-02	0.78	-1.74e-02	-8.22e-02	-87.96	-471.20	-92.75	-466.40	42.60
1	26	40	0.56	-0.41	-0.36	0.51	-0.22	111.78	6.32	26.64	91.47	41.59
1	26	41	0.69	-3.21e-03	0.68	2.80e-03	-6.43e-02	-88.01	-468.25	-91.37	-464.89	35.60
1	26	42	0.56	-0.17	-0.12	0.51	-0.19	108.42	15.70	30.39	93.72	33.86
1	26	43	0.56	-3.31e-02	0.56	-3.21e-02	-2.42e-02	-88.35	-465.26	-90.20	-463.41	26.32
1	26	44	0.55	4.41e-02	6.60e-02	0.53	-0.10	106.30	24.74	32.97	98.08	24.56
1	26	45	0.78	-0.34	0.78	-0.34	-7.14e-02	-99.70	-468.56	-100.36	-467.90	15.61
1	26	46	0.87	3.27e-03	1.28e-02	0.86	9.01e-02	102.28	23.34	25.31	100.31	12.31
1	26	47	0.88	-0.55	0.67	-0.34	0.50	5.52	-74.07	4.33	-72.88	9.65
1	26	48	1.16	-0.23	1.14	-0.22	0.15	5.71	-81.86	-0.35	-75.80	22.23
1	26	49	1.08	-0.24	1.07	-0.23	0.11	10.72	-84.04	4.44e-02	-73.37	29.96
1	26	50	1.06	-0.27	1.04	-0.25	0.16	14.79	-88.94	-1.10	-73.05	37.35
1	26	51	1.16	-0.32	1.13	-0.29	0.20	19.05	-94.60	-1.91	-73.64	44.08
1	26	52	1.30	-0.39	1.28	-0.36	0.20	22.02	-100.93	-3.23	-75.68	49.67
1	26	53	1.43	-0.39	1.41	-0.37	0.20	24.26	-104.85	-5.30	-75.29	54.25
1	26	54	1.58	-0.42	1.56	-0.39	0.21	25.34	-109.11	-7.74	-76.03	57.91
1	26	55	1.74	-0.45	1.71	-0.43	0.22	25.90	-112.39	-9.36	-77.13	60.28
1	26	56	1.87	-0.51	1.86	-0.49	0.20	24.59	-115.53	-11.34	-79.60	61.18
1	26	57	1.96	-0.49	1.94	-0.48	0.18	22.69	-115.56	-13.74	-79.12	60.90
1	26	58	2.02	-0.50	2.01	-0.49	0.17	19.50	-115.66	-16.27	-79.90	59.62
1	26	59	2.05	-0.52	2.04	-0.52	0.15	15.85	-114.61	-17.82	-80.95	57.08
1	26	60	2.01	-0.58	2.01	-0.57	0.12	10.48	-113.58	-19.66	-83.45	53.20
1	26	61	1.88	-0.54	1.88	-0.54	7.36e-02	4.93	-109.26	-21.66	-82.67	48.27
1	26	62	1.68	-0.54	1.68	-0.54	5.16e-02	-1.65	-105.37	-23.64	-83.38	42.40
1	26	63	1.43	-0.55	1.43	-0.54	5.72e-02	-9.21	-100.87	-25.29	-84.79	34.86
1	26	64	1.21	-0.52	1.21	-0.52	5.44e-02	-18.77	-97.88	-27.58	-89.06	24.89
1	26	65	0.73	-0.67	0.69	-0.63	-0.23	-12.48	-92.34	-16.37	-88.45	17.19
1	27	1	2.03	0.69	1.95	0.77	-0.33	-10.20	-472.59	-10.29	-472.50	-6.23
1	27	2	-0.20	-1.92	-1.53	-0.59	-0.72	84.13	-113.54	-83.51	54.11	70.95
1	27	3	0.13	-0.54	-0.54	0.13	6.78e-02	7.25	-148.31	-76.74	-64.32	-77.53
1	27	4	2.10	0.62	2.09	0.64	0.14	-10.49	-459.93	-10.99	-459.43	-15.02
1	27	5	-0.28	-1.01	-0.57	-0.72	-0.36	-29.12	-146.89	-91.57	-84.45	58.78
1	27	6	0.28	-1.44	-1.16	6.76e-04	0.63	137.95	-107.33	-69.78	100.40	-88.32
1	27	9	0.48	-0.39	0.42	-0.34	-0.22	-98.43	-480.34	-98.92	-479.85	-13.66
1	27	10	0.88	-0.55	0.67	-0.34	-0.50	5.52	-74.07	4.33	-72.88	-9.65
1	27	11	1.41e-02	-0.13	-9.67e-02	-1.82e-02	-5.99e-02	-86.37	-475.08	-87.63	-473.83	-22.07
1	27	12	1.16	-0.23	1.14	-0.22	-0.15	5.71	-81.86	-0.35	-75.80	-22.23
1	27	13	1.93e-02	-0.14	-0.14	1.73e-02	-1.79e-02	-85.88	-476.25	-88.15	-473.98	-29.69
1	27	14	1.08	-0.24	1.07	-0.23	-0.11	10.72	-84.04	4.44e-02	-73.37	-29.96
1	27	15	4.50e-03	-0.12	-0.11	-4.59e-03	-3.24e-02	-85.60	-477.76	-89.19	-474.17	-37.36
1	27	16	1.06	-0.27	1.04	-0.25	-0.16	14.79	-88.94	-1.10	-73.05	-37.35
1	27	17	1.56e-02	-0.17	-0.16	5.48e-03	-4.22e-02	-83.55	-478.10	-88.58	-473.07	-44.28
1	27	18	1.16	-0.32	1.13	-0.29	-0.20	19.05	-94.60	-1.91	-73.64	-44.08
1	27	19	2.68e-02	-0.20	-0.20	2.16e-02	-3.42e-02	-81.38	-478.08	-87.73	-471.73	-49.79
1	27	20	1.30	-0.39	1.28	-0.36	-0.20	22.02	-100.93	-3.23	-75.68	-49.67
1	27	21	1.39e-02	-6.80e-02	-5.81e-02	4.01e-03	-2.67e-02	-81.50	-479.18	-89.05	-471.63	-54.25
1	27	22	1.43	-0.39	1.41	-0.37	-0.20	24.26	-104.85	-5.30	-75.29	-54.25
1	27	23	8.83e-02	-1.75e-02	8.28e-02	-1.21e-02	-2.35e-02	-81.54	-480.05	-90.18	-471.40	-58.05
1	27	24	1.58	-0.42	1.56	-0.39	-0.21	25.34	-109.11	-7.74	-76.03	-57.91
1	27	25	0.13	4.63e-04	0.13	1.85e-03	-1.34e-02	-80.34	-479.67	-89.77	-470.24	-60.63
1	27	26	1.74	-0.45	1.71	-0.43	-0.22	25.90	-112.39	-9.36	-77.13	-60.28
1	27	27	0.17	1.68e-02	0.17	1.68e-02	2.61e-04	-79.59	-478.71	-89.27	-469.04	-61.37
1	27	28	1.87	-0.51	1.86	-0.49	-0.20	24.59	-115.53	-11.34	-79.60	-61.18
1	27	29	0.37	-2.11e-03	0.37	-1.82e-03	1.04e-02	-81.26	-478.61	-90.82	-469.05	-60.89
1	27	30	1.96	-0.49	1.94	-0.48	-0.18	22.69	-115.56	-13.74	-79.12	-60.90
1	27	31	0.52	-1.69e-02	0.52	-1.61e-02	2.04e-02	-82.68	-478.07	-91.93	-468.82	-59.76
1	27	32	2.02	-0.50	2.01	-0.49	-0.17	19.50	-115.66	-16.27	-79.90	-59.62
1	27	33	0.56	-3.16e-03	0.56	-9.15e-04	3.55e-02	-82.83	-476.27	-91.41	-467.69	-57.45

1	27	34	2.05	-0.52	2.04	-0.52	-0.15	15.85	-114.61	-17.82	-80.95	-57.08
1	27	35	0.58	7.77e-03	0.58	1.28e-02	5.36e-02	-83.40	-474.03	-90.84	-466.60	-53.38
1	27	36	2.01	-0.58	2.01	-0.57	-0.12	10.48	-113.58	-19.66	-83.45	-53.20
1	27	37	0.72	-1.35e-02	0.71	-6.54e-03	7.14e-02	-86.06	-472.80	-92.17	-466.69	-48.23
1	27	38	1.88	-0.54	1.88	-0.54	-7.36e-02	4.93	-109.26	-21.66	-82.67	-48.27
1	27	39	0.79	-2.59e-02	0.78	-1.74e-02	8.22e-02	-87.96	-471.20	-92.75	-466.40	-42.60
1	27	40	1.68	-0.54	1.68	-0.54	-5.16e-02	-1.65	-105.37	-23.64	-83.38	-42.40
1	27	41	0.69	-3.21e-03	0.68	2.80e-03	6.43e-02	-88.01	-468.25	-91.37	-464.89	-35.60
1	27	42	1.43	-0.55	1.43	-0.54	-5.72e-02	-9.21	-100.87	-25.29	-84.79	-34.86
1	27	43	0.56	-3.31e-02	0.56	-3.21e-02	2.42e-02	-88.35	-465.26	-90.20	-463.41	-26.32
1	27	44	1.21	-0.52	1.21	-0.52	-5.44e-02	-18.77	-97.88	-27.58	-89.06	-24.89
1	27	45	0.78	-0.34	0.78	-0.34	7.14e-02	-99.70	-468.56	-100.36	-467.90	-15.61
1	27	46	0.73	-0.67	0.69	-0.63	0.23	-12.48	-92.34	-16.37	-88.45	-17.19
1	27	47	0.60	-0.60	-0.59	0.59	7.24e-02	63.85	4.20	7.22	60.83	-13.07
1	27	48	0.31	-0.91	-0.91	0.31	3.47e-02	71.30	3.39	10.73	63.97	-21.08
1	27	49	0.28	-1.12	-1.12	0.28	7.84e-02	77.37	-1.69	11.56	64.11	-29.53
1	27	50	0.30	-1.26	-1.25	0.30	9.75e-02	84.05	-7.15	11.28	65.62	-36.62
1	27	51	0.34	-1.37	-1.36	0.33	0.12	91.08	-10.91	12.83	67.35	-43.10
1	27	52	0.38	-1.43	-1.42	0.37	0.14	98.68	-13.59	14.92	70.16	-48.87
1	27	53	0.40	-1.48	-1.47	0.39	0.15	103.79	-17.22	15.19	71.38	-53.59
1	27	54	0.43	-1.49	-1.47	0.42	0.17	108.72	-19.25	15.73	73.74	-57.03
1	27	55	0.46	-1.45	-1.43	0.44	0.19	112.90	-19.19	17.74	75.97	-59.28
1	27	56	0.50	-1.37	-1.35	0.48	0.20	116.86	-17.73	19.91	79.22	-60.40
1	27	57	0.49	-1.28	-1.25	0.47	0.20	117.61	-17.11	20.11	80.38	-60.24
1	27	58	0.52	-1.16	-1.13	0.49	0.21	118.20	-14.69	20.74	82.76	-58.77
1	27	59	0.53	-1.00	-0.97	0.50	0.23	118.03	-10.25	22.88	84.90	-56.15
1	27	60	0.57	-0.81	-0.78	0.53	0.22	117.91	-4.57	25.14	88.21	-52.49
1	27	61	0.55	-0.63	-0.59	0.51	0.22	114.64	-4.11e-02	25.45	89.15	-47.68
1	27	62	0.56	-0.41	-0.36	0.51	0.22	111.78	6.32	26.64	91.47	-41.59
1	27	63	0.56	-0.17	-0.12	0.51	0.19	108.42	15.70	30.39	93.72	-33.86
1	27	64	0.55	4.41e-02	6.60e-02	0.53	0.10	106.30	24.74	32.97	98.08	-24.56
1	27	65	0.87	3.27e-03	1.28e-02	0.86	-9.01e-02	102.28	23.34	25.31	100.31	-12.31
1	28	1	2.10	0.62	2.09	0.64	0.14	-10.49	-459.93	-10.99	-459.43	-15.02
1	28	2	-0.28	-1.01	-0.57	-0.72	-0.36	-29.12	-146.89	-91.57	-84.45	58.78
1	28	3	0.28	-1.44	-1.16	6.76e-04	0.63	137.95	-107.33	-69.78	100.40	-88.32
1	28	4	2.03	0.69	1.95	0.77	-0.33	-10.20	-472.59	-10.29	-472.50	-6.23
1	28	5	-0.20	-1.92	-1.53	-0.59	-0.72	84.13	-113.54	-83.51	54.11	70.95
1	28	6	0.13	-0.54	-0.54	0.13	6.78e-02	7.25	-148.31	-76.74	-64.32	-77.53
1	28	9	0.78	-0.34	0.78	-0.34	7.14e-02	-99.70	-468.56	-100.36	-467.90	-15.61
1	28	10	0.87	3.27e-03	1.28e-02	0.86	-9.01e-02	102.28	23.34	25.31	100.31	-12.31
1	28	11	0.56	-3.31e-02	0.56	-3.21e-02	2.42e-02	-88.35	-465.26	-90.20	-463.41	-26.32
1	28	12	0.55	4.41e-02	6.60e-02	0.53	0.10	106.30	24.74	32.97	98.08	-24.56
1	28	13	0.69	-3.21e-03	0.68	2.80e-03	6.43e-02	-88.01	-468.25	-91.37	-464.89	-35.60
1	28	14	0.56	-0.17	-0.12	0.51	0.19	108.42	15.70	30.39	93.72	-33.86
1	28	15	0.79	-2.59e-02	0.78	-1.74e-02	8.22e-02	-87.96	-471.20	-92.75	-466.40	-42.60
1	28	16	0.56	-0.41	-0.36	0.51	0.22	111.78	6.32	26.64	91.47	-41.59
1	28	17	0.72	-1.35e-02	0.71	-6.54e-03	7.14e-02	-86.06	-472.80	-92.17	-466.69	-48.23
1	28	18	0.55	-0.63	-0.59	0.51	0.22	114.64	-4.11e-02	25.45	89.15	-47.68
1	28	19	0.58	7.77e-03	0.58	1.28e-02	5.36e-02	-83.40	-474.03	-90.84	-466.60	-53.38
1	28	20	0.57	-0.81	-0.78	0.53	0.22	117.91	-4.57	25.14	88.21	-52.49
1	28	21	0.56	-3.16e-03	0.56	-9.15e-04	3.55e-02	-82.83	-476.27	-91.41	-467.69	-57.45
1	28	22	0.53	-1.00	-0.97	0.50	0.23	118.03	-10.25	22.88	84.90	-56.15
1	28	23	0.52	-1.69e-02	0.52	-1.61e-02	2.04e-02	-82.68	-478.07	-91.93	-468.82	-59.76
1	28	24	0.52	-1.16	-1.13	0.49	0.21	118.20	-14.69	20.74	82.76	-58.77
1	28	25	0.37	-2.11e-03	0.37	-1.82e-03	1.04e-02	-81.26	-478.61	-90.82	-469.05	-60.89
1	28	26	0.49	-1.28	-1.25	0.47	0.20	117.61	-17.11	20.11	80.38	-60.24
1	28	27	0.17	1.68e-02	0.17	1.68e-02	2.61e-04	-79.59	-478.71	-89.27	-469.04	-61.37
1	28	28	0.50	-1.37	-1.35	0.48	0.20	116.86	-17.73	19.91	79.22	-60.40
1	28	29	0.13	4.63e-04	0.13	1.85e-03	-1.34e-02	-80.34	-479.67	-89.77	-470.24	-60.63
1	28	30	0.46	-1.45	-1.43	0.44	0.19	112.90	-19.19	17.74	75.97	-59.28
1	28	31	8.83e-02	-1.75e-02	8.28e-02	-1.21e-02	-2.35e-02	-81.54	-480.05	-90.18	-471.40	-58.05
1	28	32	0.43	-1.49	-1.47	0.42	0.17	108.72	-19.25	15.73	73.74	-57.03
1	28	33	1.39e-02	-6.80e-02	-5.81e-02	4.01e-03	-2.67e-02	-81.50	-479.18	-89.05	-471.63	-54.25
1	28	34	0.40	-1.48	-1.47	0.39	0.15	103.79	-17.22	15.19	71.38	-53.59
1	28	35	2.68e-02	-0.20	-0.20	2.16e-02	-3.42e-02	-81.38	-478.08	-87.73	-471.73	-49.79
1	28	36	0.38	-1.43	-1.42	0.37	0.14	98.68	-13.59	14.92	70.16	-48.87
1	28	37	1.56e-02	-0.17	-0.16	5.48e-03	-4.22e-02	-83.55	-478.10	-88.58	-473.07	-44.28
1	28	38	0.34	-1.37	-1.36	0.33	0.12	91.08	-10.91	12.83	67.35	-43.10
1	28	39	4.50e-03	-0.12	-0.11	-4.59e-03	-3.24e-02	-85.60	-477.76	-89.19	-474.17	-37.36
1	28	40	0.30	-1.26	-1.25	0.30	9.75e-02	84.05	-7.15	11.28	65.62	-36.62
1	28	41	1.93e-02	-0.14	-0.14	1.73e-02	-1.79e-02	-85.88	-476.25	-88.15	-473.98	-29.69
1	28	42	0.28	-1.12	-1.12	0.28	7.84e-02	77.37	-1.69	11.56	64.11	-29.53
1	28	43	1.41e-02	-0.13	-9.67e-02	-1.82e-02	-5.99e-02	-86.37	-475.08	-87.63	-473.83	-22.07
1	28	44	0.31	-0.91	-0.91	0.31	3.47e-02	71.30	3.39	10.73	63.97	-21.08
1	28	45	0.48	-0.39	0.42	-0.34	-0.22	-98.43	-480.34	-98.92	-479.85	-13.66

1	28	46	0.60	-0.60	-0.59	0.59	7.24e-02	63.85	4.20	7.22	60.83	-13.07
1	28	47	0.73	-0.67	0.69	-0.63	0.23	-12.48	-92.34	-16.37	-88.45	-17.19
1	28	48	1.21	-0.52	1.21	-0.52	-5.44e-02	-18.77	-97.88	-27.58	-89.06	-24.89
1	28	49	1.43	-0.55	1.43	-0.54	-5.72e-02	-9.21	-100.87	-25.29	-84.79	-34.86
1	28	50	1.68	-0.54	1.68	-0.54	-5.16e-02	-1.65	-105.37	-23.64	-83.38	-42.40
1	28	51	1.88	-0.54	1.88	-0.54	-7.36e-02	4.93	-109.26	-21.66	-82.67	-48.27
1	28	52	2.01	-0.58	2.01	-0.57	-0.12	10.48	-113.58	-19.66	-83.45	-53.20
1	28	53	2.05	-0.52	2.04	-0.52	-0.15	15.85	-114.61	-17.82	-80.95	-57.08
1	28	54	2.02	-0.50	2.01	-0.49	-0.17	19.50	-115.66	-16.27	-79.90	-59.62
1	28	55	1.96	-0.49	1.94	-0.48	-0.18	22.69	-115.56	-13.74	-79.12	-60.90
1	28	56	1.87	-0.51	1.86	-0.49	-0.20	24.59	-115.53	-11.34	-79.60	-61.18
1	28	57	1.74	-0.45	1.71	-0.43	-0.22	25.90	-112.39	-9.36	-77.13	-60.28
1	28	58	1.58	-0.42	1.56	-0.39	-0.21	25.34	-109.11	-7.74	-76.03	-57.91
1	28	59	1.43	-0.39	1.41	-0.37	-0.20	24.26	-104.85	-5.30	-75.29	-54.25
1	28	60	1.30	-0.39	1.28	-0.36	-0.20	22.02	-100.93	-3.23	-75.68	-49.67
1	28	61	1.16	-0.32	1.13	-0.29	-0.20	19.05	-94.60	-1.91	-73.64	-44.08
1	28	62	1.06	-0.27	1.04	-0.25	-0.16	14.79	-88.94	-1.10	-73.05	-37.35
1	28	63	1.08	-0.24	1.07	-0.23	-0.11	10.72	-84.04	4.44e-02	-73.37	-29.96
1	28	64	1.16	-0.23	1.14	-0.22	-0.15	5.71	-81.86	-0.35	-75.80	-22.23
1	28	65	0.88	-0.55	0.67	-0.34	-0.50	5.52	-74.07	4.33	-72.88	-9.65
1	29	1	2.10	0.62	2.09	0.64	-0.14	-10.49	-459.93	-10.99	-459.43	15.02
1	29	2	0.28	-1.44	-1.16	6.76e-04	-0.63	137.95	-107.33	-69.78	100.40	88.32
1	29	3	-0.28	-1.01	-0.57	-0.72	0.36	-29.12	-146.89	-91.57	-84.45	-58.78
1	29	4	2.03	0.69	1.95	0.77	0.33	-10.20	-472.59	-10.29	-472.50	6.23
1	29	5	0.13	-0.54	-0.54	0.13	-6.78e-02	7.25	-148.31	-76.74	-64.32	77.53
1	29	6	-0.20	-1.92	-1.53	-0.59	0.72	84.13	-113.54	-83.51	54.11	-70.95
1	29	9	0.78	-0.34	0.78	-0.34	-7.14e-02	-99.70	-468.56	-100.36	-467.90	15.61
1	29	10	0.73	-0.67	0.69	-0.63	-0.23	-12.48	-92.34	-16.37	-88.45	17.19
1	29	11	0.56	-3.31e-02	0.56	-3.21e-02	-2.42e-02	-88.35	-465.26	-90.20	-463.41	26.32
1	29	12	1.21	-0.52	1.21	-0.52	5.44e-02	-18.77	-97.88	-27.58	-89.06	24.89
1	29	13	0.69	-3.21e-03	0.68	2.80e-03	-6.43e-02	-88.01	-468.25	-91.37	-464.89	35.60
1	29	14	1.43	-0.55	1.43	-0.54	5.72e-02	-9.21	-100.87	-25.29	-84.79	34.86
1	29	15	0.79	-2.59e-02	0.78	-1.74e-02	-8.22e-02	-87.96	-471.20	-92.75	-466.40	42.60
1	29	16	1.68	-0.54	1.68	-0.54	5.16e-02	-1.65	-105.37	-23.64	-83.38	42.40
1	29	17	0.72	-1.35e-02	0.71	-6.54e-03	-7.14e-02	-86.06	-472.80	-92.17	-466.69	48.23
1	29	18	1.88	-0.54	1.88	-0.54	7.36e-02	4.93	-109.26	-21.66	-82.67	48.27
1	29	19	0.58	7.77e-03	0.58	1.28e-02	-5.36e-02	-83.40	-474.03	-90.84	-466.60	53.38
1	29	20	2.01	-0.58	2.01	-0.57	0.12	10.48	-113.58	-19.66	-83.45	53.20
1	29	21	0.56	-3.16e-03	0.56	-9.15e-04	-3.55e-02	-82.83	-476.27	-91.41	-467.69	57.45
1	29	22	2.05	-0.52	2.04	-0.52	0.15	15.85	-114.61	-17.82	-80.95	57.08
1	29	23	0.52	-1.69e-02	0.52	-1.61e-02	-2.04e-02	-82.68	-478.07	-91.93	-468.82	59.76
1	29	24	2.02	-0.50	2.01	-0.49	0.17	19.50	-115.66	-16.27	-79.90	59.62
1	29	25	0.37	-2.11e-03	0.37	-1.82e-03	-1.04e-02	-81.26	-478.61	-90.82	-469.05	60.89
1	29	26	1.96	-0.49	1.94	-0.48	0.18	22.69	-115.56	-13.74	-79.12	60.90
1	29	27	0.17	1.68e-02	0.17	1.68e-02	-2.61e-04	-79.59	-478.71	-89.27	-469.04	61.37
1	29	28	1.87	-0.51	1.86	-0.49	0.20	24.59	-115.53	-11.34	-79.60	61.18
1	29	29	0.13	4.63e-04	0.13	1.85e-03	1.34e-02	-80.34	-479.67	-89.77	-470.24	60.63
1	29	30	1.74	-0.45	1.71	-0.43	0.22	25.90	-112.39	-9.36	-77.13	60.28
1	29	31	8.83e-02	-1.75e-02	8.28e-02	-1.21e-02	2.35e-02	-81.54	-480.05	-90.18	-471.40	58.05
1	29	32	1.58	-0.42	1.56	-0.39	0.21	25.34	-109.11	-7.74	-76.03	57.91
1	29	33	1.39e-02	-6.80e-02	-5.81e-02	4.01e-03	2.67e-02	-81.50	-479.18	-89.05	-471.63	54.25
1	29	34	1.43	-0.39	1.41	-0.37	0.20	24.26	-104.85	-5.30	-75.29	54.25
1	29	35	2.68e-02	-0.20	-0.20	2.16e-02	3.42e-02	-81.38	-478.08	-87.73	-471.73	49.79
1	29	36	1.30	-0.39	1.28	-0.36	0.20	22.02	-100.93	-3.23	-75.68	49.67
1	29	37	1.56e-02	-0.17	-0.16	5.48e-03	4.22e-02	-83.55	-478.10	-88.58	-473.07	44.28
1	29	38	1.16	-0.32	1.13	-0.29	0.20	19.05	-94.60	-1.91	-73.64	44.08
1	29	39	4.50e-03	-0.12	-0.11	-4.59e-03	3.24e-02	-85.60	-477.76	-89.19	-474.17	37.36
1	29	40	1.06	-0.27	1.04	-0.25	0.16	14.79	-88.94	-1.10	-73.05	37.35
1	29	41	1.93e-02	-0.14	-0.14	1.73e-02	1.79e-02	-85.88	-476.25	-88.15	-473.98	29.69
1	29	42	1.08	-0.24	1.07	-0.23	0.11	10.72	-84.04	4.44e-02	-73.37	29.96
1	29	43	1.41e-02	-0.13	-9.67e-02	-1.82e-02	5.99e-02	-86.37	-475.08	-87.63	-473.83	22.07
1	29	44	1.16	-0.23	1.14	-0.22	0.15	5.71	-81.86	-0.35	-75.80	22.23
1	29	45	0.48	-0.39	0.42	-0.34	0.22	-98.43	-480.34	-98.92	-479.85	13.66
1	29	46	0.88	-0.55	0.67	-0.34	0.50	5.52	-74.07	4.33	-72.88	9.65
1	29	47	0.87	3.27e-03	1.28e-02	0.86	9.01e-02	102.28	23.34	25.31	100.31	12.31
1	29	48	0.55	4.41e-02	6.60e-02	0.53	-0.10	106.30	24.74	32.97	98.08	24.56
1	29	49	0.56	-0.17	-0.12	0.51	-0.19	108.42	15.70	30.39	93.72	33.86
1	29	50	0.56	-0.41	-0.36	0.51	-0.22	111.78	6.32	26.64	91.47	41.59
1	29	51	0.55	-0.63	-0.59	0.51	-0.22	114.64	-4.11e-02	25.45	89.15	47.68
1	29	52	0.57	-0.81	-0.78	0.53	-0.22	117.91	-4.57	25.14	88.21	52.49
1	29	53	0.53	-1.00	-0.97	0.50	-0.23	118.03	-10.25	22.88	84.90	56.15
1	29	54	0.52	-1.16	-1.13	0.49	-0.21	118.20	-14.69	20.74	82.76	58.77
1	29	55	0.49	-1.28	-1.25	0.47	-0.20	117.61	-17.11	20.11	80.38	60.24
1	29	56	0.50	-1.37	-1.35	0.48	-0.20	116.86	-17.73	19.91	79.22	60.40
1	29	57	0.46	-1.45	-1.43	0.44	-0.19	112.90	-19.19	17.74	75.97	59.28

1	29	58	0.43	-1.49	-1.47	0.42	-0.17	108.72	-19.25	15.73	73.74	57.03
1	29	59	0.40	-1.48	-1.47	0.39	-0.15	103.79	-17.22	15.19	71.38	53.59
1	29	60	0.38	-1.43	-1.42	0.37	-0.14	98.68	-13.59	14.92	70.16	48.87
1	29	61	0.34	-1.37	-1.36	0.33	-0.12	91.08	-10.91	12.83	67.35	43.10
1	29	62	0.30	-1.26	-1.25	0.30	-9.75e-02	84.05	-7.15	11.28	65.62	36.62
1	29	63	0.28	-1.12	-1.12	0.28	-7.84e-02	77.37	-1.69	11.56	64.11	29.53
1	29	64	0.31	-0.91	-0.91	0.31	-3.47e-02	71.30	3.39	10.73	63.97	21.08
1	29	65	0.60	-0.60	-0.59	0.59	-7.24e-02	63.85	4.20	7.22	60.83	13.07
1	30	1	1.96	0.75	1.95	0.77	0.14	-9.80	-472.99	-10.29	-472.50	-15.02
1	30	2	-0.40	-0.93	-0.74	-0.60	-0.25	-34.72	-153.83	-91.02	-97.53	59.47
1	30	3	0.30	-1.50	-1.33	0.13	0.53	127.58	-109.49	-69.23	87.32	-89.01
1	30	4	2.16	0.57	2.09	0.64	-0.33	-10.90	-459.51	-10.99	-459.43	-6.23
1	30	5	-0.16	-1.92	-1.36	-0.72	-0.82	94.79	-111.66	-84.06	67.19	70.26
1	30	6	6.31e-02	-0.44	-0.37	-2.51e-03	0.17	13.67	-142.20	-77.29	-51.24	-76.84
1	30	9	0.43	-0.34	0.42	-0.34	7.14e-02	-98.28	-480.49	-98.92	-479.85	-15.61
1	30	10	0.91	-0.34	-0.30	0.87	-0.22	91.00	-23.97	26.61	88.36	-13.04
1	30	11	-1.14e-02	-0.10	-9.67e-02	-1.82e-02	2.42e-02	-85.84	-475.61	-87.63	-473.83	-26.32
1	30	12	0.57	-0.46	-0.46	0.57	-7.03e-02	97.91	25.21	35.46	87.66	-25.30
1	30	13	4.05e-02	-0.16	-0.14	1.73e-02	6.43e-02	-84.89	-477.24	-88.15	-473.98	-35.60
1	30	14	0.55	-0.80	-0.80	0.55	-3.20e-02	102.09	16.18	33.64	84.63	-34.58
1	30	15	4.01e-02	-0.16	-0.11	-4.59e-03	8.22e-02	-84.53	-478.82	-89.19	-474.17	-42.60
1	30	16	0.55	-1.13	-1.13	0.55	-4.77e-02	107.06	6.88	30.23	83.71	-42.36
1	30	17	3.19e-02	-0.19	-0.16	5.48e-03	7.14e-02	-82.63	-479.03	-88.58	-473.07	-48.23
1	30	18	0.55	-1.35	-1.34	0.54	-8.92e-02	111.31	0.47	29.01	82.76	-48.47
1	30	19	3.39e-02	-0.21	-0.20	2.16e-02	5.36e-02	-80.45	-479.01	-87.73	-471.73	-53.38
1	30	20	0.56	-1.47	-1.47	0.56	-0.12	115.55	-4.24	28.24	83.07	-53.25
1	30	21	2.01e-02	-7.42e-02	-5.81e-02	4.01e-03	3.55e-02	-80.61	-480.07	-89.05	-471.63	-57.45
1	30	22	0.53	-1.55	-1.54	0.52	-0.14	116.52	-10.26	25.29	80.97	-56.95
1	30	23	8.70e-02	-1.62e-02	8.28e-02	-1.21e-02	2.04e-02	-81.03	-480.55	-90.18	-471.40	-59.76
1	30	24	0.52	-1.54	-1.53	0.50	-0.17	117.58	-14.90	22.50	80.19	-59.63
1	30	25	0.13	1.00e-03	0.13	1.85e-03	1.04e-02	-80.26	-479.75	-89.77	-470.24	-60.89
1	30	26	0.50	-1.48	-1.46	0.48	-0.19	117.77	-17.48	21.11	79.18	-61.07
1	30	27	0.17	1.68e-02	0.17	1.68e-02	2.61e-04	-79.59	-478.71	-89.27	-469.04	-61.37
1	30	28	0.50	-1.37	-1.35	0.48	-0.20	117.56	-18.43	19.91	79.22	-61.18
1	30	29	0.37	-2.30e-03	0.37	-1.82e-03	-1.34e-02	-81.34	-478.53	-90.82	-469.05	-60.63
1	30	30	0.45	-1.25	-1.23	0.43	-0.20	114.24	-20.32	16.73	77.18	-60.11
1	30	31	0.52	-1.71e-02	0.52	-1.61e-02	-2.35e-02	-83.19	-477.56	-91.93	-468.82	-58.05
1	30	32	0.43	-1.11	-1.08	0.40	-0.21	110.91	-20.61	13.97	76.32	-57.90
1	30	33	0.56	-2.19e-03	0.56	-9.15e-04	-2.67e-02	-83.75	-475.36	-91.41	-467.69	-54.25
1	30	34	0.41	-0.94	-0.90	0.37	-0.22	106.78	-18.69	12.78	75.31	-54.39
1	30	35	0.58	1.08e-02	0.58	1.28e-02	-3.42e-02	-84.35	-473.08	-90.84	-466.60	-49.79
1	30	36	0.38	-0.77	-0.74	0.35	-0.20	102.47	-15.35	11.82	75.30	-49.63
1	30	37	0.72	-9.01e-03	0.71	-6.54e-03	-4.22e-02	-87.01	-471.85	-92.17	-466.69	-44.28
1	30	38	0.33	-0.64	-0.60	0.29	-0.19	95.95	-12.95	9.26	73.74	-43.88
1	30	39	0.78	-1.88e-02	0.78	-1.74e-02	-3.24e-02	-89.06	-470.10	-92.75	-466.40	-37.36
1	30	40	0.29	-0.53	-0.49	0.26	-0.17	90.30	-9.24	7.68	73.38	-37.39
1	30	41	0.69	2.34e-03	0.68	2.80e-03	-1.79e-02	-89.03	-467.23	-91.37	-464.89	-29.69
1	30	42	0.26	-0.47	-0.44	0.24	-0.14	85.11	-3.59	8.31	73.21	-30.24
1	30	43	0.56	-3.82e-02	0.56	-3.21e-02	-5.99e-02	-88.90	-464.72	-90.20	-463.41	-22.07
1	30	44	0.29	-0.41	-0.38	0.26	-0.14	80.94	1.68	8.23	74.39	-21.82
1	30	45	0.82	-0.38	0.78	-0.34	-0.22	-99.86	-468.41	-100.36	-467.90	-13.66
1	30	46	0.59	-0.29	-0.28	0.58	-5.42e-02	75.53	3.18	5.91	72.79	-13.80
1	30	47	0.49	-0.73	0.38	-0.62	0.36	-12.00	-103.47	-15.07	-100.41	-16.46
1	30	48	0.70	-0.49	0.69	-0.48	0.12	-17.93	-106.64	-25.08	-99.48	-24.15
1	30	49	0.77	-0.52	0.75	-0.50	0.16	-8.40	-107.52	-22.04	-93.88	-34.15
1	30	50	0.95	-0.53	0.92	-0.50	0.21	-0.86	-110.33	-20.05	-91.14	-41.63
1	30	51	1.15	-0.54	1.12	-0.51	0.23	5.70	-112.85	-18.10	-89.05	-47.48
1	30	52	1.34	-0.57	1.32	-0.54	0.22	11.05	-116.19	-16.55	-88.58	-52.45
1	30	53	1.49	-0.52	1.47	-0.50	0.21	16.00	-116.28	-15.40	-84.88	-56.28
1	30	54	1.63	-0.50	1.61	-0.48	0.21	19.38	-116.37	-14.51	-82.48	-58.76
1	30	55	1.76	-0.49	1.74	-0.47	0.21	22.39	-115.46	-12.74	-80.33	-60.07
1	30	56	1.87	-0.51	1.86	-0.49	0.20	23.91	-114.85	-11.34	-79.60	-60.40
1	30	57	1.93	-0.45	1.92	-0.44	0.18	24.74	-111.03	-10.36	-75.92	-59.45
1	30	58	1.97	-0.42	1.95	-0.41	0.17	23.92	-106.87	-9.50	-73.46	-57.04
1	30	59	1.98	-0.40	1.97	-0.38	0.16	22.67	-101.74	-7.72	-71.36	-53.45
1	30	60	1.97	-0.40	1.96	-0.39	0.14	20.07	-96.95	-6.34	-70.54	-48.92
1	30	61	1.90	-0.33	1.89	-0.33	0.10	16.82	-89.55	-5.48	-67.25	-43.30
1	30	62	1.81	-0.29	1.81	-0.29	0.10	12.51	-82.50	-4.69	-65.30	-36.58
1	30	63	1.75	-0.28	1.75	-0.27	0.10	8.54	-76.02	-3.20	-64.27	-29.25
1	30	64	1.66	-0.26	1.66	-0.26	1.88e-02	3.83	-72.05	-2.84	-65.38	-21.49
1	30	65	1.08	-0.45	0.98	-0.35	-0.38	4.25	-62.15	3.03	-60.93	-8.92
1	31	1	1.96	0.75	1.95	0.77	-0.14	-9.80	-472.99	-10.29	-472.50	15.02
1	31	2	0.30	-1.50	-1.33	0.13	-0.53	127.58	-109.49	-69.23	87.32	89.01
1	31	3	-0.40	-0.93	-0.74	-0.60	0.25	-34.72	-153.83	-91.02	-97.53	-59.47
1	31	4	2.16	0.57	2.09	0.64	0.33	-10.90	-459.51	-10.99	-459.43	6.23

1	31	5	6.31e-02	-0.44	-0.37	-2.51e-03	-0.17	13.67	-142.20	-77.29	-51.24	76.84
1	31	6	-0.16	-1.92	-1.36	-0.72	0.82	94.79	-111.66	-84.06	67.19	-70.26
1	31	9	0.43	-0.34	0.42	-0.34	-7.14e-02	-98.28	-480.49	-98.92	-479.85	15.61
1	31	10	0.49	-0.73	0.38	-0.62	-0.36	-12.00	-103.47	-15.07	-100.41	16.46
1	31	11	-1.14e-02	-0.10	-9.67e-02	-1.82e-02	-2.42e-02	-85.84	-475.61	-87.63	-473.83	26.32
1	31	12	0.70	-0.49	0.69	-0.48	-0.12	-17.93	-106.64	-25.08	-99.48	24.15
1	31	13	4.05e-02	-0.16	-0.14	1.73e-02	-6.43e-02	-84.89	-477.24	-88.15	-473.98	35.60
1	31	14	0.77	-0.52	0.75	-0.50	-0.16	-8.40	-107.52	-22.04	-93.88	34.15
1	31	15	4.01e-02	-0.16	-0.11	-4.59e-03	-8.22e-02	-84.53	-478.82	-89.19	-474.17	42.60
1	31	16	0.95	-0.53	0.92	-0.50	-0.21	-0.86	-110.33	-20.05	-91.14	41.63
1	31	17	3.19e-02	-0.19	-0.16	5.48e-03	-7.14e-02	-82.63	-479.03	-88.58	-473.07	48.23
1	31	18	1.15	-0.54	1.12	-0.51	-0.23	5.70	-112.85	-18.10	-89.05	47.48
1	31	19	3.39e-02	-0.21	-0.20	2.16e-02	-5.36e-02	-80.45	-479.01	-87.73	-471.73	53.38
1	31	20	1.34	-0.57	1.32	-0.54	-0.22	11.05	-116.19	-16.55	-88.58	52.45
1	31	21	2.01e-02	-7.42e-02	-5.81e-02	4.01e-03	-3.55e-02	-80.61	-480.07	-89.05	-471.63	57.45
1	31	22	1.49	-0.52	1.47	-0.50	-0.21	16.00	-116.28	-15.40	-84.88	56.28
1	31	23	8.70e-02	-1.62e-02	8.28e-02	-1.21e-02	-2.04e-02	-81.03	-480.55	-90.18	-471.40	59.76
1	31	24	1.63	-0.50	1.61	-0.48	-0.21	19.38	-116.37	-14.51	-82.48	58.76
1	31	25	0.13	1.00e-03	0.13	1.85e-03	-1.04e-02	-80.26	-479.75	-89.77	-470.24	60.89
1	31	26	1.76	-0.49	1.74	-0.47	-0.21	22.39	-115.46	-12.74	-80.33	60.07
1	31	27	0.17	1.68e-02	0.17	1.68e-02	-2.61e-04	-79.59	-478.71	-89.27	-469.04	61.37
1	31	28	1.87	-0.51	1.86	-0.49	-0.20	23.91	-114.85	-11.34	-79.60	60.40
1	31	29	0.37	-2.30e-03	0.37	-1.82e-03	1.34e-02	-81.34	-478.53	-90.82	-469.05	60.63
1	31	30	1.93	-0.45	1.92	-0.44	-0.18	24.74	-111.03	-10.36	-75.92	59.45
1	31	31	0.52	-1.71e-02	0.52	-1.61e-02	2.35e-02	-83.19	-477.56	-91.93	-468.82	58.05
1	31	32	1.97	-0.42	1.95	-0.41	-0.17	23.92	-106.87	-9.50	-73.46	57.04
1	31	33	0.56	-2.19e-03	0.56	-9.15e-04	2.67e-02	-83.75	-475.36	-91.41	-467.69	54.25
1	31	34	1.98	-0.40	1.97	-0.38	-0.16	22.67	-101.74	-7.72	-71.36	53.45
1	31	35	0.58	1.08e-02	0.58	1.28e-02	3.42e-02	-84.35	-473.08	-90.84	-466.60	49.79
1	31	36	1.97	-0.40	1.96	-0.39	-0.14	20.07	-96.95	-6.34	-70.54	48.92
1	31	37	0.72	-9.01e-03	0.71	-6.54e-03	4.22e-02	-87.01	-471.85	-92.17	-466.69	44.28
1	31	38	1.90	-0.33	1.89	-0.33	-0.10	16.82	-89.55	-5.48	-67.25	43.30
1	31	39	0.78	-1.88e-02	0.78	-1.74e-02	3.24e-02	-89.06	-470.10	-92.75	-466.40	37.36
1	31	40	1.81	-0.29	1.81	-0.29	-0.10	12.51	-82.50	-4.69	-65.30	36.58
1	31	41	0.69	2.34e-03	0.68	2.80e-03	1.79e-02	-89.03	-467.23	-91.37	-464.89	29.69
1	31	42	1.75	-0.28	1.75	-0.27	-0.10	8.54	-76.02	-3.20	-64.27	29.25
1	31	43	0.56	-3.82e-02	0.56	-3.21e-02	5.99e-02	-88.90	-464.72	-90.20	-463.41	22.07
1	31	44	1.66	-0.26	1.66	-0.26	-1.88e-02	3.83	-72.05	-2.84	-65.38	21.49
1	31	45	0.82	-0.38	0.78	-0.34	0.22	-99.86	-468.41	-100.36	-467.90	13.66
1	31	46	1.08	-0.45	0.98	-0.35	0.38	4.25	-62.15	3.03	-60.93	8.92
1	31	47	0.91	-0.34	-0.30	0.87	0.22	91.00	23.97	26.61	88.36	13.04
1	31	48	0.57	-0.46	-0.46	0.57	7.03e-02	97.91	25.21	35.46	87.66	25.30
1	31	49	0.55	-0.80	-0.80	0.55	3.20e-02	102.09	16.18	33.64	84.63	34.58
1	31	50	0.55	-1.13	-1.13	0.55	4.77e-02	107.06	6.88	30.23	83.71	42.36
1	31	51	0.55	-1.35	-1.34	0.54	8.92e-02	111.31	0.47	29.01	82.76	48.47
1	31	52	0.56	-1.47	-1.47	0.56	0.12	115.55	-4.24	28.24	83.07	53.25
1	31	53	0.53	-1.55	-1.54	0.52	0.14	116.52	-10.26	25.29	80.97	56.95
1	31	54	0.52	-1.54	-1.53	0.50	0.17	117.58	-14.90	22.50	80.19	59.63
1	31	55	0.50	-1.48	-1.46	0.48	0.19	117.77	-17.48	21.11	79.18	61.07
1	31	56	0.50	-1.37	-1.35	0.48	0.20	117.56	-18.43	19.91	79.22	61.18
1	31	57	0.45	-1.25	-1.23	0.43	0.20	114.24	-20.32	16.73	77.18	60.11
1	31	58	0.43	-1.11	-1.08	0.40	0.21	110.91	-20.61	13.97	76.32	57.90
1	31	59	0.41	-0.94	-0.90	0.37	0.22	106.78	-18.69	12.78	75.31	54.39
1	31	60	0.38	-0.77	-0.74	0.35	0.20	102.47	-15.35	11.82	75.30	49.63
1	31	61	0.33	-0.64	-0.60	0.29	0.19	95.95	-12.95	9.26	73.74	43.88
1	31	62	0.29	-0.53	-0.49	0.26	0.17	90.30	-9.24	7.68	73.38	37.39
1	31	63	0.26	-0.47	-0.44	0.24	0.14	85.11	-3.59	8.31	73.21	30.24
1	31	64	0.29	-0.41	-0.38	0.26	0.14	80.94	1.68	8.23	74.39	21.82
1	31	65	0.59	-0.29	-0.28	0.58	5.42e-02	75.53	3.18	5.91	72.79	13.80
1	32	1	2.10	0.62	2.09	0.64	0.14	-10.49	-459.93	-10.99	-459.43	-15.02
1	32	2	-0.28	-1.01	-0.57	-0.72	-0.36	-29.12	-146.89	-91.57	-84.45	58.78
1	32	3	0.28	-1.44	-1.16	6.76e-04	0.63	137.95	-107.33	-69.78	100.40	-88.32
1	32	4	2.03	0.69	1.95	0.77	-0.33	-10.20	-472.59	-10.29	-472.50	-6.23
1	32	5	-0.20	-1.92	-1.53	-0.59	-0.72	84.13	-113.54	-83.51	54.11	70.95
1	32	6	0.13	-0.54	-0.54	0.13	6.78e-02	7.25	-148.31	-76.74	-64.32	-77.53
1	32	9	0.78	-0.34	0.78	-0.34	7.14e-02	-99.70	-468.56	-100.36	-467.90	-15.61
1	32	10	0.87	3.27e-03	1.28e-02	0.86	-9.01e-02	102.28	23.34	25.31	100.31	-12.31
1	32	11	0.56	-3.31e-02	0.56	-3.21e-02	2.42e-02	-88.35	-465.26	-90.20	-463.41	-26.32
1	32	12	0.55	4.41e-02	6.60e-02	0.53	0.10	106.30	24.74	32.97	98.08	-24.56
1	32	13	0.69	-3.21e-03	0.68	2.80e-03	6.43e-02	-88.01	-468.25	-91.37	-464.89	-35.60
1	32	14	0.56	-0.17	-0.12	0.51	0.19	108.42	15.70	30.39	93.72	-33.86
1	32	15	0.79	-2.59e-02	0.78	-1.74e-02	8.22e-02	-87.96	-471.20	-92.75	-466.40	-42.60
1	32	16	0.56	-0.41	-0.36	0.51	0.22	111.78	6.32	26.64	91.47	-41.59
1	32	17	0.72	-1.35e-02	0.71	-6.54e-03	7.14e-02	-86.06	-472.80	-92.17	-466.69	-48.23
1	32	18	0.55	-0.63	-0.59	0.51	0.22	114.64	-4.11e-02	25.45	89.15	-47.68

1	32	19	0.58	7.77e-03	0.58	1.28e-02	5.36e-02	-83.40	-474.03	-90.84	-466.60	-53.38
1	32	20	0.57	-0.81	-0.78	0.53	0.22	117.91	-4.57	25.14	88.21	-52.49
1	32	21	0.56	-3.16e-03	0.56	-9.15e-04	3.55e-02	-82.83	-476.27	-91.41	-467.69	-57.45
1	32	22	0.53	-1.00	-0.97	0.50	0.23	118.03	-10.25	22.88	84.90	-56.15
1	32	23	0.52	-1.69e-02	0.52	-1.61e-02	2.04e-02	-82.68	-478.07	-91.93	-468.82	-59.76
1	32	24	0.52	-1.16	-1.13	0.49	0.21	118.20	-14.69	20.74	82.76	-58.77
1	32	25	0.37	-2.11e-03	0.37	-1.82e-03	1.04e-02	-81.26	-478.61	-90.82	-469.05	-60.89
1	32	26	0.49	-1.28	-1.25	0.47	0.20	117.61	-17.11	20.11	80.38	-60.24
1	32	27	0.17	1.68e-02	0.17	1.68e-02	2.61e-04	-79.59	-478.71	-89.27	-469.04	-61.37
1	32	28	0.50	-1.37	-1.35	0.48	0.20	116.86	-17.73	19.91	79.22	-60.40
1	32	29	0.13	4.63e-04	0.13	1.85e-03	-1.34e-02	-80.34	-479.67	-89.77	-470.24	-60.63
1	32	30	0.46	-1.45	-1.43	0.44	0.19	112.90	-19.19	17.74	75.97	-59.28
1	32	31	8.83e-02	-1.75e-02	8.28e-02	-1.21e-02	-2.35e-02	-81.54	-480.05	-90.18	-471.40	-58.05
1	32	32	0.43	-1.49	-1.47	0.42	0.17	108.72	-19.25	15.73	73.74	-57.03
1	32	33	1.39e-02	-6.80e-02	-5.81e-02	4.01e-03	-2.67e-02	-81.50	-479.18	-89.05	-471.63	-54.25
1	32	34	0.40	-1.48	-1.47	0.39	0.15	103.79	-17.22	15.19	71.38	-53.59
1	32	35	2.68e-02	-0.20	-0.20	2.16e-02	-3.42e-02	-81.38	-478.08	-87.73	-471.73	-49.79
1	32	36	0.38	-1.43	-1.42	0.37	0.14	98.68	-13.59	14.92	70.16	-48.87
1	32	37	1.56e-02	-0.17	-0.16	5.48e-03	-4.22e-02	-83.55	-478.10	-88.58	-473.07	-44.28
1	32	38	0.34	-1.37	-1.36	0.33	0.12	91.08	-10.91	12.83	67.35	-44.10
1	32	39	4.50e-03	-0.12	-0.11	-4.59e-03	-3.24e-02	-85.60	-477.76	-89.19	-474.17	-37.36
1	32	40	0.30	-1.26	-1.25	0.30	9.75e-02	84.05	-7.15	11.28	65.62	-36.62
1	32	41	1.93e-02	-0.14	-0.14	1.73e-02	-1.79e-02	-85.88	-476.25	-88.15	-473.98	-29.69
1	32	42	0.28	-1.12	-1.12	0.28	7.84e-02	77.37	-1.69	11.56	64.11	-29.53
1	32	43	1.41e-02	-0.13	-9.67e-02	-1.82e-02	-5.99e-02	-86.37	-475.08	-87.63	-473.83	-22.07
1	32	44	0.31	-0.91	-0.91	0.31	3.47e-02	71.30	3.39	10.73	63.97	-21.08
1	32	45	0.48	-0.39	0.42	-0.34	-0.22	-98.43	-480.34	-98.92	-479.85	-13.66
1	32	46	0.60	-0.60	-0.59	0.59	7.24e-02	63.85	4.20	7.22	60.83	-13.07
1	32	47	0.73	-0.67	0.69	-0.63	0.23	-12.48	-92.34	-16.37	-88.45	-17.19
1	32	48	1.21	-0.52	1.21	-0.52	-5.44e-02	-18.77	-97.88	-27.58	-89.06	-24.89
1	32	49	1.43	-0.55	1.43	-0.54	-5.72e-02	-9.21	-100.87	-25.29	-84.79	-34.86
1	32	50	1.68	-0.54	1.68	-0.54	-5.16e-02	-1.65	-105.37	-23.64	-83.38	-42.40
1	32	51	1.88	-0.54	1.88	-0.54	-7.36e-02	4.93	-109.26	-21.66	-82.67	-48.27
1	32	52	2.01	-0.58	2.01	-0.57	-0.12	10.48	-113.58	-19.66	-83.45	-53.20
1	32	53	2.05	-0.52	2.04	-0.52	-0.15	15.85	-114.61	-17.82	-80.95	-57.08
1	32	54	2.02	-0.50	2.01	-0.49	-0.17	19.50	-115.66	-16.27	-79.90	-59.62
1	32	55	1.96	-0.49	1.94	-0.48	-0.18	22.69	-115.56	-13.74	-79.12	-60.90
1	32	56	1.87	-0.51	1.86	-0.49	-0.20	24.59	-115.53	-11.34	-79.60	-61.18
1	32	57	1.74	-0.45	1.71	-0.43	-0.22	25.90	-112.39	-9.36	-77.13	-60.28
1	32	58	1.58	-0.42	1.56	-0.39	-0.21	25.34	-109.11	-7.74	-76.03	-57.91
1	32	59	1.43	-0.39	1.41	-0.37	-0.20	24.26	-104.85	-5.30	-75.29	-54.25
1	32	60	1.30	-0.39	1.28	-0.36	-0.20	22.02	-100.93	-3.23	-75.68	-49.67
1	32	61	1.16	-0.32	1.13	-0.29	-0.20	19.05	-94.60	-1.91	-73.64	-44.08
1	32	62	1.06	-0.27	1.04	-0.25	-0.16	14.79	-88.94	-1.10	-73.05	-37.35
1	32	63	1.08	-0.24	1.07	-0.23	-0.11	10.72	-84.04	4.44e-02	-73.37	-29.96
1	32	64	1.16	-0.23	1.14	-0.22	-0.15	5.71	-81.86	-0.35	-75.80	-22.23
1	32	65	0.88	-0.55	0.67	-0.34	-0.50	5.52	-74.07	4.33	-72.88	-9.65
1	33	1	2.10	0.62	2.09	0.64	-0.14	-10.49	-459.93	-10.99	-459.43	15.02
1	33	2	0.28	-1.44	-1.16	6.76e-04	-0.63	137.95	-107.33	-69.78	100.40	88.32
1	33	3	-0.28	-1.01	-0.57	-0.72	0.36	-29.12	-146.89	-91.57	-84.45	-58.78
1	33	4	2.03	0.69	1.95	0.77	0.33	-10.20	-472.59	-10.29	-472.50	6.23
1	33	5	0.13	-0.54	-0.54	0.13	-6.78e-02	7.25	-148.31	-76.74	-64.32	77.53
1	33	6	-0.20	-1.92	-1.53	-0.59	0.72	84.13	-113.54	-83.51	54.11	-70.95
1	33	9	0.78	-0.34	0.78	-0.34	-7.14e-02	-99.70	-468.56	-100.36	-467.90	15.61
1	33	10	0.73	-0.67	0.69	-0.63	-0.23	-12.48	-92.34	-16.37	-88.45	17.19
1	33	11	0.56	-3.31e-02	0.56	-3.21e-02	-2.42e-02	-88.35	-465.26	-90.20	-463.41	26.32
1	33	12	1.21	-0.52	1.21	-0.52	5.44e-02	-18.77	-97.88	-27.58	-89.06	24.89
1	33	13	0.69	-3.21e-03	0.68	2.80e-03	-6.43e-02	-88.01	-468.25	-91.37	-464.89	35.60
1	33	14	1.43	-0.55	1.43	-0.54	5.72e-02	-9.21	-100.87	-25.29	-84.79	34.86
1	33	15	0.79	-2.59e-02	0.78	-1.74e-02	-8.22e-02	-87.96	-471.20	-92.75	-466.40	42.60
1	33	16	1.68	-0.54	1.68	-0.54	5.16e-02	-1.65	-105.37	-23.64	-83.38	42.40
1	33	17	0.72	-1.35e-02	0.71	-6.54e-03	-7.14e-02	-86.06	-472.80	-92.17	-466.69	48.23
1	33	18	1.88	-0.54	1.88	-0.54	7.36e-02	4.93	-109.26	-21.66	-82.67	48.27
1	33	19	0.58	7.77e-03	0.58	1.28e-02	-5.36e-02	-83.40	-474.03	-90.84	-466.60	53.38
1	33	20	2.01	-0.58	2.01	-0.57	0.12	10.48	-113.58	-19.66	-83.45	53.20
1	33	21	0.56	-3.16e-03	0.56	-9.15e-04	-3.55e-02	-82.83	-476.27	-91.41	-467.69	57.45
1	33	22	2.05	-0.52	2.04	-0.52	0.15	15.85	-114.61	-17.82	-80.95	57.08
1	33	23	0.52	-1.69e-02	0.52	-1.61e-02	-2.04e-02	-82.68	-478.07	-91.93	-468.82	59.76
1	33	24	2.02	-0.50	2.01	-0.49	0.17	19.50	-115.66	-16.27	-79.90	59.62
1	33	25	0.37	-2.11e-03	0.37	-1.82e-03	-1.04e-02	-81.26	-478.61	-90.82	-469.05	60.89
1	33	26	1.96	-0.49	1.94	-0.48	0.18	22.69	-115.56	-13.74	-79.12	60.90
1	33	27	0.17	1.68e-02	0.17	1.68e-02	-2.61e-04	-79.59	-478.71	-89.27	-469.04	61.37
1	33	28	1.87	-0.51	1.86	-0.49	0.20	24.59	-115.53	-11.34	-79.60	61.18
1	33	29	0.13	4.63e-04	0.13	1.85e-03	1.34e-02	-80.34	-479.67	-89.77	-470.24	60.63
1	33	30	1.74	-0.45	1.71	-0.43	0.22	25.90	-112.39	-9.36	-77.13	60.28



1	33	31	8.83e-02	-1.75e-02	8.28e-02	-1.21e-02	2.35e-02	-81.54	-480.05	-90.18	-471.40	58.05
1	33	32	1.58	-0.42	1.56	-0.39	0.21	25.34	-109.11	-7.74	-76.03	57.91
1	33	33	1.39e-02	-6.80e-02	-5.81e-02	4.01e-03	2.67e-02	-81.50	-479.18	-89.05	-471.63	54.25
1	33	34	1.43	-0.39	1.41	-0.37	0.20	24.26	-104.85	-5.30	-75.29	54.25
1	33	35	2.68e-02	-0.20	-0.20	2.16e-02	3.42e-02	-81.38	-478.08	-87.73	-471.73	49.79
1	33	36	1.30	-0.39	1.28	-0.36	0.20	22.02	-100.93	-3.23	-75.68	49.67
1	33	37	1.56e-02	-0.17	-0.16	5.48e-03	4.22e-02	-83.55	-478.10	-88.58	-473.07	44.28
1	33	38	1.16	-0.32	1.13	-0.29	0.20	19.05	-94.60	-1.91	-73.64	44.08
1	33	39	4.50e-03	-0.12	-0.11	-4.59e-03	3.24e-02	-85.60	-477.76	-89.19	-474.17	37.36
1	33	40	1.06	-0.27	1.04	-0.25	0.16	14.79	-88.94	-1.10	-73.05	37.35
1	33	41	1.93e-02	-0.14	-0.14	1.73e-02	1.79e-02	-85.88	-476.25	-88.15	-473.98	29.69
1	33	42	1.08	-0.24	1.07	-0.23	0.11	10.72	-84.04	4.44e-02	-73.37	29.96
1	33	43	1.41e-02	-0.13	-9.67e-02	-1.82e-02	5.99e-02	-86.37	-475.08	-87.63	-473.83	22.07
1	33	44	1.16	-0.23	1.14	-0.22	0.15	5.71	-81.86	-0.35	-75.80	22.23
1	33	45	0.48	-0.39	0.42	-0.34	0.22	-98.43	-480.34	-98.92	-479.85	13.66
1	33	46	0.88	-0.55	0.67	-0.34	0.50	5.52	-74.07	4.33	-72.88	9.65
1	33	47	0.87	3.27e-03	1.28e-02	0.86	9.01e-02	102.28	23.34	25.31	100.31	12.31
1	33	48	0.55	4.41e-02	6.60e-02	0.53	-0.10	106.30	24.74	32.97	98.08	24.56
1	33	49	0.56	-0.17	-0.12	0.51	-0.19	108.42	15.70	30.39	93.72	33.86
1	33	50	0.56	-0.41	-0.36	0.51	-0.22	111.78	6.32	26.64	91.47	41.59
1	33	51	0.55	-0.63	-0.59	0.51	-0.22	114.64	-4.11e-02	25.45	89.15	47.68
1	33	52	0.57	-0.81	-0.78	0.53	-0.22	117.91	-4.57	25.14	88.21	52.49
1	33	53	0.53	-1.00	-0.97	0.50	-0.23	118.03	-10.25	22.88	84.90	56.15
1	33	54	0.52	-1.16	-1.13	0.49	-0.21	118.20	-14.69	20.74	82.76	58.77
1	33	55	0.49	-1.28	-1.25	0.47	-0.20	117.61	-17.11	20.11	80.38	60.24
1	33	56	0.50	-1.37	-1.35	0.48	-0.20	116.86	-17.73	19.91	79.22	60.40
1	33	57	0.46	-1.45	-1.43	0.44	-0.19	112.90	-19.19	17.74	75.97	59.28
1	33	58	0.43	-1.49	-1.47	0.42	-0.17	108.72	-19.25	15.73	73.74	57.03
1	33	59	0.40	-1.48	-1.47	0.39	-0.15	103.79	-17.22	15.19	71.38	53.59
1	33	60	0.38	-1.43	-1.42	0.37	-0.14	98.68	-13.59	14.92	70.16	48.87
1	33	61	0.34	-1.37	-1.36	0.33	-0.12	91.08	-10.91	12.83	67.35	43.10
1	33	62	0.30	-1.26	-1.25	0.30	-9.75e-02	84.05	-7.15	11.28	65.62	36.62
1	33	63	0.28	-1.12	-1.12	0.28	-7.84e-02	77.37	-1.69	11.56	64.11	29.53
1	33	64	0.31	-0.91	-0.91	0.31	-3.47e-02	71.30	3.39	10.73	63.97	21.08
1	33	65	0.60	-0.60	-0.59	0.59	-7.24e-02	63.85	4.20	7.22	60.83	13.07
1	34	1	1.96	0.75	1.95	0.77	0.14	-9.80	-472.99	-10.29	-472.50	-15.02
1	34	2	-0.40	-0.93	-0.74	-0.60	-0.25	-34.72	-153.83	-91.02	-97.53	59.47
1	34	3	0.30	-1.50	-1.33	0.13	0.53	127.58	-109.49	-69.23	87.32	-89.01
1	34	4	2.16	0.57	2.09	0.64	-0.33	-10.90	-459.51	-10.99	-459.43	-6.23
1	34	5	-0.16	-1.92	-1.36	-0.72	-0.82	94.79	-111.66	-84.06	67.19	70.26
1	34	6	6.31e-02	-0.44	-0.37	-2.51e-03	0.17	13.67	-142.20	-77.29	-51.24	-76.84
1	34	9	0.43	-0.34	0.42	-0.34	7.14e-02	-98.28	-480.49	-98.92	-479.85	-15.61
1	34	10	0.91	-0.34	-0.30	0.87	-0.22	91.00	23.97	26.61	88.36	-13.04
1	34	11	-1.14e-02	-0.10	-9.67e-02	-1.82e-02	2.42e-02	-85.84	-475.61	-87.63	-473.83	-26.32
1	34	12	0.57	-0.46	-0.46	0.57	-7.03e-02	97.91	25.21	35.46	87.66	-25.30
1	34	13	4.05e-02	-0.16	-0.14	1.73e-02	6.43e-02	-84.89	-477.24	-88.15	-473.98	-35.60
1	34	14	0.55	-0.80	-0.80	0.55	-3.20e-02	102.09	16.18	33.64	84.63	-34.58
1	34	15	4.01e-02	-0.16	-0.11	-4.59e-03	8.22e-02	-84.53	-478.82	-89.19	-474.17	-42.60
1	34	16	0.55	-1.13	-1.13	0.55	-4.77e-02	107.06	6.88	30.23	83.71	-42.36
1	34	17	3.19e-02	-0.19	-0.16	5.48e-03	7.14e-02	-82.63	-479.03	-88.58	-473.07	-48.23
1	34	18	0.55	-1.35	-1.34	0.54	-8.92e-02	111.31	0.47	29.01	82.76	-48.47
1	34	19	3.39e-02	-0.21	-0.20	2.16e-02	5.36e-02	-80.45	-479.01	-87.73	-471.73	-53.38
1	34	20	0.56	-1.47	-1.47	0.56	-0.12	115.55	-4.24	28.24	83.07	-53.25
1	34	21	2.01e-02	-7.42e-02	-5.81e-02	4.01e-03	3.55e-02	-80.61	-480.07	-89.05	-471.63	-57.45
1	34	22	0.53	-1.55	-1.54	0.52	-0.14	116.52	-10.26	25.29	80.97	-56.95
1	34	23	8.70e-02	-1.62e-02	8.28e-02	-1.21e-02	2.04e-02	-81.03	-480.55	-90.18	-471.40	-59.76
1	34	24	0.52	-1.54	-1.53	0.50	-0.17	117.58	-14.90	22.50	80.19	-59.63
1	34	25	0.13	1.00e-03	0.13	1.85e-03	1.04e-02	-80.26	-479.75	-89.77	-470.24	-60.89
1	34	26	0.50	-1.48	-1.46	0.48	-0.19	117.77	-17.48	21.11	79.18	-61.07
1	34	27	0.17	1.68e-02	0.17	1.68e-02	2.61e-04	-79.59	-478.71	-89.27	-469.04	-61.37
1	34	28	0.50	-1.37	-1.35	0.48	-0.20	117.56	-18.43	19.91	79.22	-61.18
1	34	29	0.37	-2.30e-03	0.37	-1.82e-03	-1.34e-02	-81.34	-478.53	-90.82	-469.05	-60.63
1	34	30	0.45	-1.25	-1.23	0.43	-0.20	114.24	-20.32	16.73	77.18	-60.11
1	34	31	0.52	-1.71e-02	0.52	-1.61e-02	-2.35e-02	-83.19	-477.56	-91.93	-468.82	-58.05
1	34	32	0.43	-1.11	-1.08	0.40	-0.21	110.91	-20.61	13.97	76.32	-57.90
1	34	33	0.56	-2.19e-03	0.56	-9.15e-04	-2.67e-02	-83.75	-475.36	-91.41	-467.69	-54.25
1	34	34	0.41	-0.94	-0.90	0.37	-0.22	106.78	-18.69	12.78	75.31	-54.39
1	34	35	0.58	1.08e-02	0.58	1.28e-02	-3.42e-02	-84.35	-473.08	-90.84	-466.60	-49.79
1	34	36	0.38	-0.77	-0.74	0.35	-0.20	102.47	-15.35	11.82	75.30	-49.63
1	34	37	0.72	-9.01e-03	0.71	-6.54e-03	-4.22e-02	-87.01	-471.85	-92.17	-466.69	-44.28
1	34	38	0.33	-0.64	-0.60	0.29	-0.19	95.95	-12.95	9.26	73.74	-43.88
1	34	39	0.78	-1.88e-02	0.78	-1.74e-02	-3.24e-02	-89.06	-470.10	-92.75	-466.40	-37.36
1	34	40	0.29	-0.53	-0.49	0.26	-0.17	90.30	-9.24	7.68	73.38	-37.39
1	34	41	0.69	2.34e-03	0.68	2.80e-03	-1.79e-02	-89.03	-467.23	-91.37	-464.89	-29.69
1	34	42	0.26	-0.47	-0.44	0.24	-0.14	85.11	-3.59	8.31	73.21	-30.24

1	34	43	0.56	-3.82e-02	0.56	-3.21e-02	-5.99e-02	-88.90	-464.72	-90.20	-463.41	-22.07
1	34	44	0.29	-0.41	-0.38	0.26	-0.14	80.94	1.68	8.23	74.39	-21.82
1	34	45	0.82	-0.38	0.78	-0.34	-0.22	-99.86	-468.41	-100.36	-467.90	-13.66
1	34	46	0.59	-0.29	-0.28	0.58	-5.42e-02	75.53	3.18	5.91	72.79	-13.80
1	34	47	0.49	-0.73	0.38	-0.62	0.36	-12.00	-103.47	-15.07	-100.41	-16.46
1	34	48	0.70	-0.49	0.69	-0.48	0.12	-17.93	-106.64	-25.08	-99.48	-24.15
1	34	49	0.77	-0.52	0.75	-0.50	0.16	-8.40	-107.52	-22.04	-93.88	-34.15
1	34	50	0.95	-0.53	0.92	-0.50	0.21	-0.86	-110.33	-20.05	-91.14	-41.63
1	34	51	1.15	-0.54	1.12	-0.51	0.23	5.70	-112.85	-18.10	-89.05	-47.48
1	34	52	1.34	-0.57	1.32	-0.54	0.22	11.05	-116.19	-16.55	-88.58	-52.45
1	34	53	1.49	-0.52	1.47	-0.50	0.21	16.00	-116.28	-15.40	-84.88	-56.28
1	34	54	1.63	-0.50	1.61	-0.48	0.21	19.38	-116.37	-14.51	-82.48	-58.76
1	34	55	1.76	-0.49	1.74	-0.47	0.21	22.39	-115.46	-12.74	-80.33	-60.07
1	34	56	1.87	-0.51	1.86	-0.49	0.20	23.91	-114.85	-11.34	-79.60	-60.40
1	34	57	1.93	-0.45	1.92	-0.44	0.18	24.74	-111.03	-10.36	-75.92	-59.45
1	34	58	1.97	-0.42	1.95	-0.41	0.17	23.92	-106.87	-9.50	-73.46	-57.04
1	34	59	1.98	-0.40	1.97	-0.38	0.16	22.67	-101.74	-7.72	-71.36	-53.45
1	34	60	1.97	-0.40	1.96	-0.39	0.14	20.07	-96.95	-6.34	-70.54	-48.92
1	34	61	1.90	-0.33	1.89	-0.33	0.10	16.82	-89.55	-5.48	-67.25	-43.30
1	34	62	1.81	-0.29	1.81	-0.29	0.10	12.51	-82.50	-4.69	-65.30	-36.58
1	34	63	1.75	-0.28	1.75	-0.27	0.10	8.54	-76.02	-3.20	-64.27	-29.25
1	34	64	1.66	-0.26	1.66	-0.26	1.88e-02	3.83	-72.05	-2.84	-65.38	-21.49
1	34	65	1.08	-0.45	0.98	-0.35	-0.38	4.25	-62.15	3.03	-60.93	-8.92
1	35	1	1.96	0.75	1.95	0.77	-0.14	-9.80	-472.99	-10.29	-472.50	15.02
1	35	2	0.30	-1.50	-1.33	0.13	-0.53	127.58	-109.49	-69.23	87.32	89.01
1	35	3	-0.40	-0.93	-0.74	-0.60	0.25	-34.72	-153.83	-91.02	-97.53	-59.47
1	35	4	2.16	0.57	2.09	0.64	0.33	-10.90	-459.51	-10.99	-459.43	6.23
1	35	5	6.31e-02	-0.44	-0.37	-2.51e-03	-0.17	13.67	-142.20	-77.29	-51.24	76.84
1	35	6	-0.16	-1.92	-1.36	-0.72	0.82	94.79	-111.66	-84.06	67.19	-70.26
1	35	9	0.43	-0.34	0.42	-0.34	-7.14e-02	-98.28	-480.49	-98.92	-479.85	15.61
1	35	10	0.49	-0.73	0.38	-0.62	-0.36	-12.00	-103.47	-15.07	-100.41	16.46
1	35	11	-1.14e-02	-0.10	-9.67e-02	-1.82e-02	-2.42e-02	-85.84	-475.61	-87.63	-473.83	26.32
1	35	12	0.70	-0.49	0.69	-0.48	-0.12	-17.93	-106.64	-25.08	-99.48	24.15
1	35	13	4.05e-02	-0.16	-0.14	1.73e-02	-6.43e-02	-84.89	-477.24	-88.15	-473.98	35.60
1	35	14	0.77	-0.52	0.75	-0.50	-0.16	-8.40	-107.52	-22.04	-93.88	34.15
1	35	15	4.01e-02	-0.16	-0.11	-4.59e-03	-8.22e-02	-84.53	-478.82	-89.19	-474.17	42.60
1	35	16	0.95	-0.53	0.92	-0.50	-0.21	-0.86	-110.33	-20.05	-91.14	41.63
1	35	17	3.19e-02	-0.19	-0.16	5.48e-03	-7.14e-02	-82.63	-479.03	-88.58	-473.07	48.23
1	35	18	1.15	-0.54	1.12	-0.51	-0.23	5.70	-112.85	-18.10	-89.05	47.48
1	35	19	3.39e-02	-0.21	-0.20	2.16e-02	-5.36e-02	-80.45	-479.01	-87.73	-471.73	53.38
1	35	20	1.34	-0.57	1.32	-0.54	-0.22	11.05	-116.19	-16.55	-88.58	52.45
1	35	21	2.01e-02	-7.42e-02	-5.81e-02	4.01e-03	-3.55e-02	-80.61	-480.07	-89.05	-471.63	57.45
1	35	22	1.49	-0.52	1.47	-0.50	-0.21	16.00	-116.28	-15.40	-84.88	56.28
1	35	23	8.70e-02	-1.62e-02	8.28e-02	-1.21e-02	-2.04e-02	-81.03	-480.55	-90.18	-471.40	59.76
1	35	24	1.63	-0.50	1.61	-0.48	-0.21	19.38	-116.37	-14.51	-82.48	58.76
1	35	25	0.13	1.00e-03	0.13	1.85e-03	-1.04e-02	-80.26	-479.75	-89.77	-470.24	60.89
1	35	26	1.76	-0.49	1.74	-0.47	-0.21	22.39	-115.46	-12.74	-80.33	60.07
1	35	27	0.17	1.68e-02	0.17	1.68e-02	-2.61e-04	-79.59	-478.71	-89.27	-469.04	61.37
1	35	28	1.87	-0.51	1.86	-0.49	-0.20	23.91	-114.85	-11.34	-79.60	60.40
1	35	29	0.37	-2.30e-03	0.37	-1.82e-03	1.34e-02	-81.34	-478.53	-90.82	-469.05	60.63
1	35	30	1.93	-0.45	1.92	-0.44	-0.18	24.74	-111.03	-10.36	-75.92	59.45
1	35	31	0.52	-1.71e-02	0.52	-1.61e-02	2.35e-02	-83.19	-477.56	-91.93	-468.82	58.05
1	35	32	1.97	-0.42	1.95	-0.41	-0.17	23.92	-106.87	-9.50	-73.46	57.04
1	35	33	0.56	-2.19e-03	0.56	-9.15e-04	2.67e-02	-83.75	-475.36	-91.41	-467.69	54.25
1	35	34	1.98	-0.40	1.97	-0.38	-0.16	22.67	-101.74	-7.72	-71.36	53.45
1	35	35	0.58	1.08e-02	0.58	1.28e-02	3.42e-02	-84.35	-473.08	-90.84	-466.60	49.79
1	35	36	1.97	-0.40	1.96	-0.39	-0.14	20.07	-96.95	-6.34	-70.54	48.92
1	35	37	0.72	-9.01e-03	0.71	-6.54e-03	4.22e-02	-87.01	-471.85	-92.17	-466.69	44.28
1	35	38	1.90	-0.33	1.89	-0.33	-0.10	16.82	-89.55	-5.48	-67.25	43.30
1	35	39	0.78	-1.88e-02	0.78	-1.74e-02	3.24e-02	-89.06	-470.10	-92.75	-466.40	37.36
1	35	40	1.81	-0.29	1.81	-0.29	-0.10	12.51	-82.50	-4.69	-65.30	36.58
1	35	41	0.69	2.34e-03	0.68	2.80e-03	1.79e-02	-89.03	-467.23	-91.37	-464.89	29.69
1	35	42	1.75	-0.28	1.75	-0.27	-0.10	8.54	-76.02	-3.20	-64.27	29.25
1	35	43	0.56	-3.82e-02	0.56	-3.21e-02	5.99e-02	-88.90	-464.72	-90.20	-463.41	22.07
1	35	44	1.66	-0.26	1.66	-0.26	-1.88e-02	3.83	-72.05	-2.84	-65.38	21.49
1	35	45	0.82	-0.38	0.78	-0.34	0.22	-99.86	-468.41	-100.36	-467.90	13.66
1	35	46	1.08	-0.45	0.98	-0.35	0.38	4.25	-62.15	3.03	-60.93	8.92
1	35	47	0.91	-0.34	-0.30	0.87	0.22	91.00	23.97	26.61	88.36	13.04
1	35	48	0.57	-0.46	-0.46	0.57	7.03e-02	97.91	25.21	35.46	87.66	25.30
1	35	49	0.55	-0.80	-0.80	0.55	3.20e-02	102.09	16.18	33.64	84.63	34.58
1	35	50	0.55	-1.13	-1.13	0.55	4.77e-02	107.06	6.88	30.23	83.71	42.36
1	35	51	0.55	-1.35	-1.34	0.54	8.92e-02	111.31	0.47	29.01	82.76	48.47
1	35	52	0.56	-1.47	-1.47	0.56	0.12	115.55	-4.24	28.24	83.07	53.25
1	35	53	0.53	-1.55	-1.54	0.52	0.14	116.52	-10.26	25.29	80.97	56.95
1	35	54	0.52	-1.54	-1.53	0.50	0.17	117.58	-14.90	22.50	80.19	59.63

1	35	55	0.50	-1.48	-1.46	0.48	0.19	117.77	-17.48	21.11	79.18	61.07
1	35	56	0.50	-1.37	-1.35	0.48	0.20	117.56	-18.43	19.91	79.22	61.18
1	35	57	0.45	-1.25	-1.23	0.43	0.20	114.24	-20.32	16.73	77.18	60.11
1	35	58	0.43	-1.11	-1.08	0.40	0.21	110.91	-20.61	13.97	76.32	57.90
1	35	59	0.41	-0.94	-0.90	0.37	0.22	106.78	-18.69	12.78	75.31	54.39
1	35	60	0.38	-0.77	-0.74	0.35	0.20	102.47	-15.35	11.82	75.30	49.63
1	35	61	0.33	-0.64	-0.60	0.29	0.19	95.95	-12.95	9.26	73.74	43.88
1	35	62	0.29	-0.53	-0.49	0.26	0.17	90.30	-9.24	7.68	73.38	37.39
1	35	63	0.26	-0.47	-0.44	0.24	0.14	85.11	-3.59	8.31	73.21	30.24
1	35	64	0.29	-0.41	-0.38	0.26	0.14	80.94	1.68	8.23	74.39	21.82
1	35	65	0.59	-0.29	-0.28	0.58	5.42e-02	75.53	3.18	5.91	72.79	13.80
1	36	1	2.24	0.49	2.23	0.49	0.10	-11.63	-445.97	-11.64	-445.96	1.83
1	36	2	4.48e-02	-0.96	-0.53	-0.39	-0.50	45.62	-123.37	-80.22	2.46	73.70
1	36	3	-1.35e-02	-1.44	-0.84	-0.61	0.70	73.64	-115.40	-82.19	40.44	-71.94
1	36	4	1.80	0.91	1.80	0.91	-4.24e-02	-9.59	-486.01	-9.64	-485.97	4.76
1	36	5	9.19e-02	-1.38	-1.30	1.43e-02	-0.33	58.33	-123.35	-76.12	11.11	79.68
1	36	6	-0.15	-1.18	-1.12	-0.21	0.24	6.71	-138.05	-83.07	-48.27	-70.25
1	36	9	1.15	-0.34	1.15	-0.34	6.72e-02	-101.74	-455.72	-101.79	-455.67	4.26
1	36	10	0.49	0.25	0.48	0.25	3.92e-02	40.88	2.34	3.56	39.66	6.75
1	36	11	1.25	-4.70e-02	1.25	-4.69e-02	1.43e-02	-92.69	-452.91	-92.82	-452.78	6.93
1	36	12	0.96	-3.92e-02	0.88	4.35e-02	0.28	39.21	0.19	1.79	37.62	7.73
1	36	13	1.55	-1.25e-02	1.55	-1.25e-02	-2.70e-03	-94.47	-455.83	-94.71	-455.59	9.37
1	36	14	1.17	-8.92e-02	1.06	1.63e-02	0.35	38.84	-1.99	0.99	35.86	10.62
1	36	15	1.71	-3.10e-02	1.71	-3.10e-02	8.91e-04	-96.08	-458.86	-96.47	-458.47	11.85
1	36	16	1.29	-0.10	1.16	3.09e-02	0.41	38.57	-4.60	-0.30	34.26	12.94
1	36	17	1.64	-1.93e-02	1.64	-1.92e-02	5.45e-03	-95.39	-460.71	-95.93	-460.17	14.11
1	36	18	1.31	-0.13	1.14	4.27e-02	0.47	38.36	-5.44	0.49	32.43	14.99
1	36	19	1.39	3.52e-03	1.39	3.54e-03	5.08e-03	-93.41	-462.04	-94.10	-461.35	15.90
1	36	20	1.26	-0.17	1.02	6.72e-02	0.53	38.87	-5.44	2.36	31.07	16.87
1	36	21	1.21	-6.14e-03	1.21	-6.12e-03	4.86e-03	-93.07	-464.47	-93.89	-463.65	17.36
1	36	22	1.12	-0.23	0.80	9.44e-02	0.58	39.16	-6.33	3.25	29.58	18.55
1	36	23	0.99	-2.04e-02	0.99	-2.04e-02	5.95e-03	-92.83	-467.11	-93.76	-466.19	18.59
1	36	24	0.94	-0.32	0.51	0.11	0.60	39.23	-6.95	4.14	28.14	19.73
1	36	25	0.62	-5.72e-03	0.62	-5.69e-03	4.32e-03	-90.93	-468.83	-91.93	-467.83	19.42
1	36	26	0.76	-0.45	0.19	0.12	0.61	39.13	-6.20	6.46	26.46	20.34
1	36	27	0.17	1.68e-02	0.17	1.68e-02	1.16e-03	-88.25	-470.06	-89.27	-469.04	19.67
1	36	28	0.64	-0.62	-0.12	0.15	0.62	39.50	-4.87	9.29	25.34	20.68
1	36	29	5.74e-03	-0.12	-0.12	5.72e-03	-1.33e-03	-87.66	-472.45	-88.66	-471.46	19.52
1	36	30	0.55	-0.84	-0.46	0.17	0.62	39.05	-4.54	10.67	23.84	20.77
1	36	31	-7.73e-03	-0.38	-0.38	-7.77e-03	-4.02e-03	-87.40	-474.99	-88.35	-474.04	19.16
1	36	32	0.46	-1.04	-0.76	0.18	0.59	38.06	-3.93	11.76	22.37	20.31
1	36	33	9.31e-03	-0.71	-0.71	9.22e-03	-8.07e-03	-85.70	-476.54	-86.57	-475.67	18.42
1	36	34	0.40	-1.22	-1.00	0.18	0.55	36.94	-2.26	14.00	20.68	19.31
1	36	35	3.11e-02	-1.02	-1.02	3.09e-02	-1.27e-02	-83.73	-477.72	-84.47	-476.98	17.10
1	36	36	0.38	-1.32	-1.14	0.21	0.52	36.12	-0.25	16.28	19.59	18.11
1	36	37	1.85e-02	-1.09	-1.09	1.82e-02	-1.73e-02	-84.22	-480.19	-84.82	-479.59	15.43
1	36	38	0.36	-1.36	-1.22	0.22	0.47	34.01	0.69	16.75	17.95	16.65
1	36	39	9.36e-03	-1.05	-1.05	9.00e-03	-1.94e-02	-85.01	-482.57	-85.47	-482.10	13.59
1	36	40	0.33	-1.26	-1.16	0.23	0.39	31.25	2.12	16.91	16.46	14.56
1	36	41	3.27e-02	-1.01	-1.01	3.26e-02	-1.27e-02	-84.49	-483.60	-84.81	-483.28	11.32
1	36	42	0.32	-1.02	-0.94	0.24	0.31	28.43	4.46	18.11	14.78	11.87
1	36	43	-3.51e-03	-0.79	-0.79	-3.51e-03	-7.62e-04	-84.83	-484.64	-85.01	-484.46	8.33
1	36	44	0.34	-0.67	-0.59	0.26	0.28	24.86	6.13	17.46	13.52	9.16
1	36	45	5.19e-02	-0.34	5.09e-02	-0.34	-1.89e-02	-97.42	-492.15	-97.49	-492.09	4.91
1	36	46	0.55	-0.56	-0.39	0.37	0.40	16.73	9.10	13.76	12.06	3.72
1	36	47	0.89	-5.54e-02	0.88	-4.57e-02	9.51e-02	2.78	-3.32	2.76	-3.30	0.35
1	36	48	1.54	-0.16	1.50	-0.12	-0.25	2.17	-10.98	-1.51	-7.31	5.90
1	36	49	1.75	-0.21	1.69	-0.14	-0.35	3.19	-14.14	-2.61	-8.34	8.18
1	36	50	1.85	-0.22	1.76	-0.14	-0.41	3.72	-18.25	-4.20	-10.32	10.55
1	36	51	1.86	-0.26	1.75	-0.15	-0.46	4.99	-22.05	-4.17	-12.89	12.79
1	36	52	1.80	-0.30	1.66	-0.16	-0.52	6.28	-25.48	-3.39	-15.81	14.61
1	36	53	1.65	-0.32	1.47	-0.14	-0.57	7.07	-27.90	-3.26	-17.57	15.96
1	36	54	1.43	-0.36	1.21	-0.14	-0.59	7.32	-30.68	-3.35	-20.01	17.08
1	36	55	1.19	-0.42	0.93	-0.15	-0.60	8.22	-33.18	-2.20	-22.76	17.96
1	36	56	0.97	-0.50	0.63	-0.16	-0.62	8.93	-35.37	-0.72	-25.72	18.29
1	36	57	0.75	-0.57	0.31	-0.13	-0.62	8.82	-36.44	-0.18	-27.44	18.06
1	36	58	0.53	-0.66	-5.72e-04	-0.13	-0.60	8.09	-38.12	-9.56e-02	-29.93	17.64
1	36	59	0.37	-0.77	-0.26	-0.14	-0.57	8.05	-39.73	0.96	-32.64	16.99
1	36	60	0.26	-0.87	-0.46	-0.14	-0.54	7.66	-41.34	1.92	-35.60	15.75
1	36	61	0.20	-0.92	-0.61	-0.11	-0.50	6.18	-41.83	1.63	-37.29	14.05
1	36	62	0.13	-0.89	-0.66	-0.10	-0.43	4.18	-43.17	0.77	-39.75	12.25
1	36	63	8.25e-02	-0.73	-0.55	-9.82e-02	-0.34	2.44	-44.84	0.22	-42.62	10.00
1	36	64	0.11	-0.48	-0.28	-8.09e-02	-0.28	-1.05	-47.57	-1.98	-46.64	6.51
1	36	65	0.29	-0.59	-0.19	-0.10	-0.44	1.04	-49.25	0.40	-48.61	5.61
1	37	1	2.24	0.49	2.23	0.49	-0.10	-11.63	-445.97	-11.64	-445.96	-1.83

1	37	2	-1.35e-02	-1.44	-0.84	-0.61	-0.70	73.64	-115.40	-82.19	40.44	71.94
1	37	3	4.48e-02	-0.96	-0.53	-0.39	0.50	45.62	-123.37	-80.22	2.46	-73.70
1	37	4	1.80	0.91	1.80	0.91	4.24e-02	-9.59	-486.01	-9.64	-485.97	-4.76
1	37	5	-0.15	-1.18	-1.12	-0.21	-0.24	6.71	-138.05	-83.07	-48.27	70.25
1	37	6	9.19e-02	-1.38	-1.30	1.43e-02	0.33	58.33	-123.35	-76.12	11.11	-79.68
1	37	9	1.15	-0.34	1.15	-0.34	-6.72e-02	-101.74	-455.72	-101.79	-455.67	-4.26
1	37	10	0.89	-5.54e-02	0.88	-4.57e-02	-9.51e-02	2.78	-3.32	2.76	-3.30	-0.35
1	37	11	1.25	-4.70e-02	1.25	-4.69e-02	-1.43e-02	-92.69	-452.91	-92.82	-452.78	-6.93
1	37	12	1.54	-0.16	1.50	-0.12	0.25	2.17	-10.98	-1.51	-7.31	-5.90
1	37	13	1.55	-1.25e-02	1.55	-1.25e-02	2.70e-03	-94.47	-455.83	-94.71	-455.59	-9.37
1	37	14	1.75	-0.21	1.69	-0.14	0.35	3.19	-14.14	-2.61	-8.34	-8.18
1	37	15	1.71	-3.10e-02	1.71	-3.10e-02	-8.91e-04	-96.08	-458.86	-96.47	-458.47	-11.85
1	37	16	1.85	-0.22	1.76	-0.14	0.41	3.72	-18.25	-4.20	-10.32	-10.55
1	37	17	1.64	-1.93e-02	1.64	-1.92e-02	-5.45e-03	-95.39	-460.71	-95.93	-460.17	-14.11
1	37	18	1.86	-0.26	1.75	-0.15	0.46	4.99	-22.05	-4.17	-12.89	-12.79
1	37	19	1.39	3.52e-03	1.39	3.54e-03	-5.08e-03	-93.41	-462.04	-94.10	-461.35	-15.90
1	37	20	1.80	-0.30	1.66	-0.16	0.52	6.28	-25.48	-3.39	-15.81	-14.61
1	37	21	1.21	-6.14e-03	1.21	-6.12e-03	-4.86e-03	-93.07	-464.47	-93.89	-463.65	-17.36
1	37	22	1.65	-0.32	1.47	-0.14	0.57	7.07	-27.90	-3.26	-17.57	-15.96
1	37	23	0.99	-2.04e-02	0.99	-2.04e-02	-5.95e-03	-92.83	-467.11	-93.76	-466.19	-18.59
1	37	24	1.43	-0.36	1.21	-0.14	0.59	7.32	-30.68	-3.35	-20.01	-17.08
1	37	25	0.62	-5.72e-03	0.62	-5.69e-03	-4.32e-03	-90.93	-468.83	-91.93	-467.83	-19.42
1	37	26	1.19	-0.42	0.93	-0.15	0.60	8.22	-33.18	-2.20	-22.76	-17.96
1	37	27	0.17	1.68e-02	0.17	1.68e-02	-1.16e-03	-88.25	-470.06	-89.27	-469.04	-19.67
1	37	28	0.97	-0.50	0.63	-0.16	0.62	8.93	-35.37	-0.72	-25.72	-18.29
1	37	29	5.74e-03	-0.12	-0.12	5.72e-03	1.33e-03	-87.66	-472.45	-88.66	-471.46	-19.52
1	37	30	0.75	-0.57	0.31	-0.13	0.62	8.82	-36.44	-0.18	-27.44	-18.06
1	37	31	-7.73e-03	-0.38	-0.38	-7.77e-03	4.02e-03	-87.40	-474.99	-88.35	-474.04	-19.16
1	37	32	0.53	-0.66	-5.72e-04	-0.13	0.60	8.09	-38.12	-9.56e-02	-29.93	-17.64
1	37	33	9.31e-03	-0.71	-0.71	9.22e-03	8.07e-03	-85.70	-476.54	-86.57	-475.67	-18.42
1	37	34	0.37	-0.77	-0.26	-0.14	0.57	8.05	-39.73	0.96	-32.64	-16.99
1	37	35	3.11e-02	-1.02	-1.02	3.09e-02	1.27e-02	-83.73	-477.72	-84.47	-476.98	-17.10
1	37	36	0.26	-0.87	-0.46	-0.14	0.54	7.66	-41.34	1.92	-35.60	-15.75
1	37	37	1.85e-02	-1.09	-1.09	1.82e-02	1.73e-02	-84.22	-480.19	-84.82	-479.59	-15.43
1	37	38	0.20	-0.92	-0.61	-0.11	0.50	6.18	-41.83	1.63	-37.29	-14.05
1	37	39	9.36e-03	-1.05	-1.05	9.00e-03	1.94e-02	-85.01	-482.57	-85.47	-482.10	-13.59
1	37	40	0.13	-0.89	-0.66	-0.10	0.43	4.18	-43.17	0.77	-39.75	-12.25
1	37	41	3.27e-02	-1.01	-1.01	3.26e-02	1.27e-02	-84.49	-483.60	-84.81	-483.28	-11.32
1	37	42	8.25e-02	-0.73	-0.55	-9.82e-02	0.34	2.44	-44.84	0.22	-42.62	-10.00
1	37	43	-3.51e-03	-0.79	-0.79	-3.51e-03	7.62e-04	-84.83	-484.64	-85.01	-484.46	-8.33
1	37	44	0.11	-0.48	-0.28	-8.09e-02	0.28	-1.05	-47.57	-1.98	-46.64	-6.51
1	37	45	5.19e-02	-0.34	5.09e-02	-0.34	1.89e-02	-97.42	-492.15	-97.49	-492.09	-4.91
1	37	46	0.29	-0.59	-0.19	-0.10	0.44	1.04	-49.25	0.40	-48.61	-5.61
1	37	47	0.49	0.25	0.48	0.25	-3.92e-02	40.88	2.34	3.56	39.66	-6.75
1	37	48	0.96	-3.92e-02	0.88	4.35e-02	-0.28	39.21	0.19	1.79	37.62	-7.73
1	37	49	1.17	-8.92e-02	1.06	1.63e-02	-0.35	38.84	-1.99	0.99	35.86	-10.62
1	37	50	1.29	-0.10	1.16	3.09e-02	-0.41	38.57	-4.60	-0.30	34.26	-12.94
1	37	51	1.31	-0.13	1.14	4.27e-02	-0.47	38.36	-5.44	0.49	32.43	-14.99
1	37	52	1.26	-0.17	1.02	6.72e-02	-0.53	38.87	-5.44	2.36	31.07	-16.87
1	37	53	1.12	-0.23	0.80	9.44e-02	-0.58	39.16	-6.33	3.25	29.58	-18.55
1	37	54	0.94	-0.32	0.51	0.11	-0.60	39.23	-6.95	4.14	28.14	-19.73
1	37	55	0.76	-0.45	0.19	0.12	-0.61	39.13	-6.20	6.46	26.46	-20.34
1	37	56	0.64	-0.62	-0.12	0.15	-0.62	39.50	-4.87	9.29	25.34	-20.68
1	37	57	0.55	-0.84	-0.46	0.17	-0.62	39.05	-4.54	10.67	23.84	-20.77
1	37	58	0.46	-1.04	-0.76	0.18	-0.59	38.06	-3.93	11.76	22.37	-20.31
1	37	59	0.40	-1.22	-1.00	0.18	-0.55	36.94	-2.26	14.00	20.68	-19.31
1	37	60	0.38	-1.32	-1.14	0.21	-0.52	36.12	-0.25	16.28	19.59	-18.11
1	37	61	0.36	-1.36	-1.22	0.22	-0.47	34.01	0.69	16.75	17.95	-16.65
1	37	62	0.33	-1.26	-1.16	0.23	-0.39	31.25	2.12	16.91	16.46	-14.56
1	37	63	0.32	-1.02	-0.94	0.24	-0.31	28.43	4.46	18.11	14.78	-11.87
1	37	64	0.34	-0.67	-0.59	0.26	-0.28	24.86	6.13	17.46	13.52	-9.16
1	37	65	0.55	-0.56	-0.39	0.37	-0.40	16.73	9.10	13.76	12.06	-3.72
1	38	1	1.81	0.90	1.80	0.91	0.10	-9.63	-485.97	-9.64	-485.97	1.83
1	38	2	4.40e-02	-1.08	-1.05	1.33e-02	-0.18	20.49	-136.66	-78.61	-37.57	75.85
1	38	3	-9.10e-02	-1.49	-1.37	-0.21	0.39	44.35	-124.52	-80.59	0.41	-74.09
1	38	4	2.23	0.49	2.23	0.49	-4.24e-02	-11.58	-446.01	-11.64	-445.96	4.76
1	38	5	9.07e-02	-1.25	-0.78	-0.38	-0.64	87.52	-114.11	-77.73	51.14	77.53
1	38	6	-4.49e-02	-1.16	-0.60	-0.61	0.56	31.63	-124.55	-84.68	-8.24	-68.10
1	38	9	6.23e-02	-0.35	5.09e-02	-0.34	6.72e-02	-97.44	-492.13	-97.49	-492.09	4.26
1	38	10	0.42	-0.63	-0.49	0.28	-0.35	10.32	0.36	7.48	3.20	4.50
1	38	11	-3.25e-03	-0.79	-0.79	-3.51e-03	1.43e-02	-84.89	-484.58	-85.01	-484.46	6.93
1	38	12	0.24	-0.82	-0.75	0.17	-0.26	13.41	1.88	9.39	5.90	5.49
1	38	13	3.26e-02	-1.01	-1.01	3.26e-02	-2.70e-03	-84.59	-483.50	-84.81	-483.28	9.37
1	38	14	0.23	-1.14	-1.06	0.15	-0.33	18.16	0.99	10.97	8.18	8.47
1	38	15	9.00e-03	-1.05	-1.05	9.00e-03	8.91e-04	-85.12	-482.46	-85.47	-482.10	11.85

1	38	16	0.26	-1.32	-1.21	0.15	-0.41	21.31	0.13	10.79	10.64	10.59
1	38	17	1.82e-02	-1.09	-1.09	1.82e-02	5.45e-03	-84.32	-480.09	-84.82	-479.59	14.11
1	38	18	0.30	-1.37	-1.22	0.15	-0.48	24.87	-0.36	11.52	12.99	12.59
1	38	19	3.09e-02	-1.02	-1.02	3.09e-02	5.08e-03	-83.83	-477.62	-84.47	-476.98	15.90
1	38	20	0.34	-1.31	-1.12	0.15	-0.52	28.37	-0.96	11.97	15.43	14.56
1	38	21	9.26e-03	-0.71	-0.71	9.22e-03	4.86e-03	-85.80	-476.44	-86.57	-475.67	17.36
1	38	22	0.37	-1.20	-0.97	0.14	-0.55	30.62	-2.29	10.73	17.60	16.09
1	38	23	-7.68e-03	-0.38	-0.38	-7.77e-03	5.95e-03	-87.46	-474.93	-88.35	-474.04	18.59
1	38	24	0.44	-1.03	-0.73	0.15	-0.59	32.83	-2.95	9.58	20.30	17.07
1	38	25	5.87e-03	-0.12	-0.12	5.72e-03	4.32e-03	-87.67	-472.44	-88.66	-471.46	19.42
1	38	26	0.54	-0.83	-0.44	0.15	-0.61	35.18	-2.79	9.58	22.81	17.80
1	38	27	0.17	1.68e-02	0.17	1.68e-02	1.16e-03	-88.25	-470.06	-89.27	-469.04	19.67
1	38	28	0.64	-0.62	-0.12	0.15	-0.62	37.29	-2.66	9.29	25.34	18.29
1	38	29	0.62	-5.70e-03	0.62	-5.69e-03	-1.33e-03	-90.92	-468.84	-91.93	-467.83	19.52
1	38	30	0.76	-0.45	0.18	0.13	-0.60	38.30	-3.25	7.56	27.49	18.23
1	38	31	0.99	-2.04e-02	0.99	-2.04e-02	-4.02e-03	-92.78	-467.17	-93.76	-466.19	19.16
1	38	32	0.93	-0.31	0.48	0.14	-0.60	39.58	-3.04	6.33	30.21	17.65
1	38	33	1.21	-6.18e-03	1.21	-6.12e-03	-8.07e-03	-92.97	-464.57	-93.89	-463.65	18.42
1	38	34	1.11	-0.21	0.77	0.14	-0.58	40.92	-1.74	6.52	32.66	16.85
1	38	35	1.39	3.43e-03	1.39	3.54e-03	-1.27e-02	-93.30	-462.14	-94.10	-461.35	17.10
1	38	36	1.26	-0.13	1.00	0.13	-0.54	42.24	-0.35	6.67	35.22	15.80
1	38	37	1.64	-1.94e-02	1.64	-1.92e-02	-1.73e-02	-95.28	-460.82	-95.93	-460.17	15.43
1	38	38	1.33	-7.96e-02	1.14	0.11	-0.48	42.86	0.25	5.72	37.39	14.25
1	38	39	1.72	-3.12e-02	1.71	-3.10e-02	-1.94e-02	-95.96	-458.98	-96.47	-458.47	13.59
1	38	40	1.36	-3.61e-02	1.21	0.11	-0.43	43.99	1.91	5.82	40.08	12.21
1	38	41	1.55	-1.26e-02	1.55	-1.25e-02	-1.27e-02	-94.36	-455.94	-94.71	-455.59	11.32
1	38	42	1.29	-6.27e-03	1.18	0.11	-0.36	45.02	5.58	8.13	42.46	9.71
1	38	43	1.25	-4.69e-02	1.25	-4.69e-02	-7.62e-04	-92.63	-452.97	-92.82	-452.78	8.33
1	38	44	1.11	5.86e-02	1.04	0.13	-0.26	46.54	8.55	9.86	45.24	6.92
1	38	45	1.15	-0.34	1.15	-0.34	-1.89e-02	-101.73	-455.74	-101.79	-455.67	4.91
1	38	46	0.58	0.34	0.58	0.34	9.01e-03	48.57	9.79	9.84	48.52	1.47
1	38	47	0.44	-0.54	-9.14e-02	-1.51e-02	0.49	6.83	-39.90	6.68	-39.75	2.60
1	38	48	0.24	-0.36	-0.12	4.27e-03	0.29	7.52	-40.45	6.09	-39.02	8.14
1	38	49	0.17	-0.61	-0.43	-9.34e-03	0.32	9.70	-38.36	7.36	-36.02	10.34
1	38	50	0.19	-0.82	-0.61	-2.05e-02	0.41	10.62	-37.67	6.88	-33.94	12.90
1	38	51	0.24	-0.89	-0.61	-4.01e-02	0.49	12.06	-37.53	6.86	-32.33	15.19
1	38	52	0.29	-0.85	-0.48	-8.18e-02	0.53	12.71	-37.93	6.22	-31.45	16.92
1	38	53	0.38	-0.77	-0.30	-9.37e-02	0.56	12.32	-37.65	4.22	-29.55	18.41
1	38	54	0.53	-0.66	-2.89e-02	-0.10	0.60	11.89	-37.66	2.09	-27.85	19.74
1	38	55	0.74	-0.57	0.29	-0.12	0.62	11.89	-37.39	0.91	-26.41	20.51
1	38	56	0.97	-0.50	0.63	-0.16	0.62	10.94	-37.38	-0.72	-25.72	20.68
1	38	57	1.21	-0.43	0.94	-0.16	0.60	9.47	-36.55	-3.30	-23.79	20.61
1	38	58	1.45	-0.38	1.24	-0.17	0.59	8.12	-35.73	-5.53	-22.08	20.31
1	38	59	1.67	-0.36	1.50	-0.18	0.57	7.10	-34.28	-6.53	-20.66	19.45
1	38	60	1.81	-0.35	1.68	-0.22	0.52	5.25	-32.90	-7.69	-19.96	18.06
1	38	61	1.85	-0.32	1.75	-0.22	0.45	3.36	-30.61	-9.40	-17.85	16.45
1	38	62	1.79	-0.30	1.71	-0.22	0.39	1.66	-28.11	-10.32	-16.13	14.60
1	38	63	1.63	-0.29	1.57	-0.23	0.34	7.96e-02	-24.77	-9.76	-14.94	12.15
1	38	64	1.39	-0.25	1.34	-0.21	0.26	-3.11	-21.40	-9.58	-14.93	8.75
1	38	65	0.78	-0.14	0.78	-0.13	-4.69e-02	1.14	-16.81	-3.52	-12.16	7.87
1	39	1	1.81	0.90	1.80	0.91	-0.10	-9.63	-485.97	-9.64	-485.97	-1.83
1	39	2	-9.10e-02	-1.49	-1.37	-0.21	-0.39	44.35	-124.52	-80.59	0.41	74.09
1	39	3	4.40e-02	-1.08	-1.05	1.33e-02	0.18	20.49	-136.66	-78.61	-37.57	-75.85
1	39	4	2.23	0.49	2.23	0.49	4.24e-02	-11.58	-446.01	-11.64	-445.96	-4.76
1	39	5	-4.49e-02	-1.16	-0.60	-0.61	-0.56	31.63	-124.55	-84.68	-8.24	68.10
1	39	6	9.07e-02	-1.25	-0.78	-0.38	0.64	87.52	-114.11	-77.73	51.14	-77.53
1	39	9	6.23e-02	-0.35	5.09e-02	-0.34	-6.72e-02	-97.44	-492.13	-97.49	-492.09	-4.26
1	39	10	0.44	-0.54	-9.14e-02	-1.51e-02	-0.49	6.83	-39.90	6.68	-39.75	-2.60
1	39	11	-3.25e-03	-0.79	-0.79	-3.51e-03	-1.43e-02	-84.89	-484.58	-85.01	-484.46	-6.93
1	39	12	0.24	-0.36	-0.12	4.27e-03	-0.29	7.52	-40.45	6.09	-39.02	-8.14
1	39	13	3.26e-02	-1.01	-1.01	3.26e-02	2.70e-03	-84.59	-483.50	-84.81	-483.28	-9.37
1	39	14	0.17	-0.61	-0.43	-9.34e-03	-0.32	9.70	-38.36	7.36	-36.02	-10.34
1	39	15	9.00e-03	-1.05	-1.05	9.00e-03	-8.91e-04	-85.12	-482.46	-85.47	-482.10	-11.85
1	39	16	0.19	-0.82	-0.61	-2.05e-02	-0.41	10.62	-37.67	6.88	-33.94	-12.90
1	39	17	1.82e-02	-1.09	-1.09	1.82e-02	-5.45e-03	-84.32	-480.09	-84.82	-479.59	-14.11
1	39	18	0.24	-0.89	-0.61	-4.01e-02	-0.49	12.06	-37.53	6.86	-32.33	-15.19
1	39	19	3.09e-02	-1.02	-1.02	3.09e-02	-5.08e-03	-83.83	-477.62	-84.47	-476.98	-15.90
1	39	20	0.29	-0.85	-0.48	-8.18e-02	-0.53	12.71	-37.93	6.22	-31.45	-16.92
1	39	21	9.26e-03	-0.71	-0.71	9.22e-03	-4.86e-03	-85.80	-476.44	-86.57	-475.67	-17.36
1	39	22	0.38	-0.77	-0.30	-9.37e-02	-0.56	12.32	-37.65	4.22	-29.55	-18.41
1	39	23	-7.68e-03	-0.38	-0.38	-7.77e-03	-5.95e-03	-87.46	-474.93	-88.35	-474.04	-18.59
1	39	24	0.53	-0.66	-2.89e-02	-0.10	-0.60	11.89	-37.66	2.09	-27.85	-19.74
1	39	25	5.87e-03	-0.12	-0.12	5.72e-03	-4.32e-03	-87.67	-472.44	-88.66	-471.46	-19.42
1	39	26	0.74	-0.57	0.29	-0.12	-0.62	11.89	-37.39	0.91	-26.41	-20.51
1	39	27	0.17	1.68e-02	0.17	1.68e-02	-1.16e-03	-88.25	-470.06	-89.27	-469.04	-19.67

1	39	28	0.97	-0.50	0.63	-0.16	-0.62	10.94	-37.38	-0.72	-25.72	-20.68
1	39	29	0.62	-5.70e-03	0.62	-5.69e-03	1.33e-03	-90.92	-468.84	-91.93	-467.83	-19.52
1	39	30	1.21	-0.43	0.94	-0.16	-0.60	9.47	-36.55	-3.30	-23.79	-20.61
1	39	31	0.99	-2.04e-02	0.99	-2.04e-02	4.02e-03	-92.78	-467.17	-93.76	-466.19	-19.16
1	39	32	1.45	-0.38	1.24	-0.17	-0.59	8.12	-35.73	-5.53	-22.08	-20.31
1	39	33	1.21	-6.18e-03	1.21	-6.12e-03	8.07e-03	-92.97	-464.57	-93.89	-463.65	-18.42
1	39	34	1.67	-0.36	1.50	-0.18	-0.57	7.10	-34.28	-6.53	-20.66	-19.45
1	39	35	1.39	3.43e-03	1.39	3.54e-03	1.27e-02	-93.30	-462.14	-94.10	-461.35	-17.10
1	39	36	1.81	-0.35	1.68	-0.22	-0.52	5.25	-32.90	-7.69	-19.96	-18.06
1	39	37	1.64	-1.94e-02	1.64	-1.92e-02	1.73e-02	-95.28	-460.82	-95.93	-460.17	-15.43
1	39	38	1.85	-0.32	1.75	-0.22	-0.45	3.36	-30.61	-9.40	-17.85	-16.45
1	39	39	1.72	-3.12e-02	1.71	-3.10e-02	1.94e-02	-95.96	-458.98	-96.47	-458.47	-13.59
1	39	40	1.79	-0.30	1.71	-0.22	-0.39	1.66	-28.11	-10.32	-16.13	-14.60
1	39	41	1.55	-1.26e-02	1.55	-1.25e-02	1.27e-02	-94.36	-455.94	-94.71	-455.59	-11.32
1	39	42	1.63	-0.29	1.57	-0.23	-0.34	7.96e-02	-24.77	-9.76	-14.94	-12.15
1	39	43	1.25	-4.69e-02	1.25	-4.69e-02	7.62e-04	-92.63	-452.97	-92.82	-452.78	-8.33
1	39	44	1.39	-0.25	1.34	-0.21	-0.26	-3.11	-21.40	-9.58	-14.93	-8.75
1	39	45	1.15	-0.34	1.15	-0.34	1.89e-02	-101.73	-455.74	-101.79	-455.67	-4.91
1	39	46	0.78	-0.14	0.78	-0.13	4.69e-02	1.14	-16.81	-3.52	-12.16	-7.87
1	39	47	0.42	-0.63	-0.49	0.28	0.35	10.32	0.36	7.48	3.20	-4.50
1	39	48	0.24	-0.82	-0.75	0.17	0.26	13.41	1.88	9.39	5.90	-5.49
1	39	49	0.23	-1.14	-1.06	0.15	0.33	18.16	0.99	10.97	8.18	-8.47
1	39	50	0.26	-1.32	-1.21	0.15	0.41	21.31	0.13	10.79	10.64	-10.59
1	39	51	0.30	-1.37	-1.22	0.15	0.48	24.87	-0.36	11.52	12.99	-12.59
1	39	52	0.34	-1.31	-1.12	0.15	0.52	28.37	-0.96	11.97	15.43	-14.56
1	39	53	0.37	-1.20	-0.97	0.14	0.55	30.62	-2.29	10.73	17.60	-16.09
1	39	54	0.44	-1.03	-0.73	0.15	0.59	32.83	-2.95	9.58	20.30	-17.07
1	39	55	0.54	-0.83	-0.44	0.15	0.61	35.18	-2.79	9.58	22.81	-17.80
1	39	56	0.64	-0.62	-0.12	0.15	0.62	37.29	-2.66	9.29	25.34	-18.29
1	39	57	0.76	-0.45	0.18	0.13	0.60	38.30	-3.25	7.56	27.49	-18.23
1	39	58	0.93	-0.31	0.48	0.14	0.60	39.58	-3.04	6.33	30.21	-17.65
1	39	59	1.11	-0.21	0.77	0.14	0.58	40.92	-1.74	6.52	32.66	-16.85
1	39	60	1.26	-0.13	1.00	0.13	0.54	42.24	-0.35	6.67	35.22	-15.80
1	39	61	1.33	-7.96e-02	1.14	0.11	0.48	42.86	0.25	5.72	37.39	-14.25
1	39	62	1.36	-3.61e-02	1.21	0.11	0.43	43.99	1.91	5.82	40.08	-12.21
1	39	63	1.29	-6.27e-03	1.18	0.11	0.36	45.02	5.58	8.13	42.46	-9.71
1	39	64	1.11	5.86e-02	1.04	0.13	0.26	46.54	8.55	9.86	45.24	-6.92
1	39	65	0.58	0.34	0.58	0.34	-9.01e-03	48.57	9.79	9.84	48.52	-1.47
1	40	1	2.23	0.49	2.23	0.49	4.24e-02	-11.58	-446.01	-11.64	-445.96	-4.76
1	40	2	-4.49e-02	-1.16	-0.60	-0.61	-0.56	31.63	-124.55	-84.68	-8.24	68.10
1	40	3	9.07e-02	-1.25	-0.78	-0.38	0.64	87.52	-114.11	-77.73	51.14	-77.53
1	40	4	1.81	0.90	1.80	0.91	-0.10	-9.63	-485.97	-9.64	-485.97	-1.83
1	40	5	-9.10e-02	-1.49	-1.37	-0.21	-0.39	44.35	-124.52	-80.59	0.41	74.09
1	40	6	4.40e-02	-1.08	-1.05	1.33e-02	0.18	20.49	-136.66	-78.61	-37.57	-75.85
1	40	9	1.15	-0.34	1.15	-0.34	1.89e-02	-101.73	-455.74	-101.79	-455.67	-4.91
1	40	10	0.58	0.34	0.58	0.34	-9.01e-03	48.57	9.79	9.84	48.52	-1.47
1	40	11	1.25	-4.69e-02	1.25	-4.69e-02	7.62e-04	-92.63	-452.97	-92.82	-452.78	-8.33
1	40	12	1.11	5.86e-02	1.04	0.13	0.26	46.54	8.55	9.86	45.24	-6.92
1	40	13	1.55	-1.26e-02	1.55	-1.25e-02	1.27e-02	-94.36	-455.94	-94.71	-455.59	-11.32
1	40	14	1.29	-6.27e-03	1.18	0.11	0.36	45.02	5.58	8.13	42.46	-9.71
1	40	15	1.72	-3.12e-02	1.71	-3.10e-02	1.94e-02	-95.96	-458.98	-96.47	-458.47	-13.59
1	40	16	1.36	-3.61e-02	1.21	0.11	0.43	43.99	1.91	5.82	40.08	-12.21
1	40	17	1.64	-1.94e-02	1.64	-1.92e-02	1.73e-02	-95.28	-460.82	-95.93	-460.17	-15.43
1	40	18	1.33	-7.96e-02	1.14	0.11	0.48	42.86	0.25	5.72	37.39	-14.25
1	40	19	1.39	3.43e-03	1.39	3.54e-03	1.27e-02	-93.30	-462.14	-94.10	-461.35	-17.10
1	40	20	1.26	-0.13	1.00	0.13	0.54	42.24	-0.35	6.67	35.22	-15.80
1	40	21	1.21	-6.18e-03	1.21	-6.12e-03	8.07e-03	-92.97	-464.57	-93.89	-463.65	-18.42
1	40	22	1.11	-0.21	0.77	0.14	0.58	40.92	-1.74	6.52	32.66	-16.85
1	40	23	0.99	-2.04e-02	0.99	-2.04e-02	4.02e-03	-92.78	-467.17	-93.76	-466.19	-19.16
1	40	24	0.93	-0.31	0.48	0.14	0.60	39.58	-3.04	6.33	30.21	-17.65
1	40	25	0.62	-5.70e-03	0.62	-5.69e-03	1.33e-03	-90.92	-468.84	-91.93	-467.83	-19.52
1	40	26	0.76	-0.45	0.18	0.13	0.60	38.30	-3.25	7.56	27.49	-18.23
1	40	27	0.17	1.68e-02	0.17	1.68e-02	-1.16e-03	-88.25	-470.06	-89.27	-469.04	-19.67
1	40	28	0.64	-0.62	-0.12	0.15	0.62	37.29	-2.66	9.29	25.34	-18.29
1	40	29	5.87e-03	-0.12	-0.12	5.72e-03	-4.32e-03	-87.67	-472.44	-88.66	-471.46	-19.42
1	40	30	0.54	-0.83	-0.44	0.15	0.61	35.18	-2.79	9.58	22.81	-17.80
1	40	31	-7.68e-03	-0.38	-0.38	-7.77e-03	-5.95e-03	-87.46	-474.93	-88.35	-474.04	-18.59
1	40	32	0.44	-1.03	-0.73	0.15	0.59	32.83	-2.95	9.58	20.30	-17.07
1	40	33	9.26e-03	-0.71	-0.71	9.22e-03	-4.86e-03	-85.80	-476.44	-86.57	-475.67	-17.36
1	40	34	0.37	-1.20	-0.97	0.14	0.55	30.62	-2.29	10.73	17.60	-16.09
1	40	35	3.09e-02	-1.02	-1.02	3.09e-02	-5.08e-03	-83.83	-477.62	-84.47	-476.98	-15.90
1	40	36	0.34	-1.31	-1.12	0.15	0.52	28.37	-0.96	11.97	15.43	-14.56
1	40	37	1.82e-02	-1.09	-1.09	1.82e-02	-5.45e-03	-84.32	-480.09	-84.82	-479.59	-14.11
1	40	38	0.30	-1.37	-1.22	0.15	0.48	24.87	-0.36	11.52	12.99	-12.59
1	40	39	9.00e-03	-1.05	-1.05	9.00e-03	-8.91e-04	-85.12	-482.46	-85.47	-482.10	-11.85

1	40	40	0.26	-1.32	-1.21	0.15	0.41	21.31	0.13	10.79	10.64	-10.59
1	40	41	3.26e-02	-1.01	-1.01	3.26e-02	2.70e-03	-84.59	-483.50	-84.81	-483.28	-9.37
1	40	42	0.23	-1.14	-1.06	0.15	0.33	18.16	0.99	10.97	8.18	-8.47
1	40	43	-3.25e-03	-0.79	-0.79	-3.51e-03	-1.43e-02	-84.89	-484.58	-85.01	-484.46	-6.93
1	40	44	0.24	-0.82	-0.75	0.17	0.26	13.41	1.88	9.39	5.90	-5.49
1	40	45	6.23e-02	-0.35	5.09e-02	-0.34	-6.72e-02	-97.44	-492.13	-97.49	-492.09	-4.26
1	40	46	0.42	-0.63	-0.49	0.28	0.35	10.32	0.36	7.48	3.20	-4.50
1	40	47	0.78	-0.14	0.78	-0.13	4.69e-02	1.14	-16.81	-3.52	-12.16	-7.87
1	40	48	1.39	-0.25	1.34	-0.21	-0.26	-3.11	-21.40	-9.58	-14.93	-8.75
1	40	49	1.63	-0.29	1.57	-0.23	-0.34	7.96e-02	-24.77	-9.76	-14.94	-12.15
1	40	50	1.79	-0.30	1.71	-0.22	-0.39	1.66	-28.11	-10.32	-16.13	-14.60
1	40	51	1.85	-0.32	1.75	-0.22	-0.45	3.36	-30.61	-9.40	-17.85	-16.45
1	40	52	1.81	-0.35	1.68	-0.22	-0.52	5.25	-32.90	-7.69	-19.96	-18.06
1	40	53	1.67	-0.36	1.50	-0.18	-0.57	7.10	-34.28	-6.53	-20.66	-19.45
1	40	54	1.45	-0.38	1.24	-0.17	-0.59	8.12	-35.73	-5.53	-22.08	-20.31
1	40	55	1.21	-0.43	0.94	-0.16	-0.60	9.47	-36.55	-3.30	-23.79	-20.61
1	40	56	0.97	-0.50	0.63	-0.16	-0.62	10.94	-37.38	-0.72	-25.72	-20.68
1	40	57	0.74	-0.57	0.29	-0.12	-0.62	11.89	-37.39	0.91	-26.41	-20.51
1	40	58	0.53	-0.66	-2.89e-02	-0.10	-0.60	11.89	-37.66	2.09	-27.85	-19.74
1	40	59	0.38	-0.77	-0.30	-9.37e-02	-0.56	12.32	-37.65	4.22	-29.55	-18.41
1	40	60	0.29	-0.85	-0.48	-8.18e-02	-0.53	12.71	-37.93	6.22	-31.45	-16.92
1	40	61	0.24	-0.89	-0.61	-4.01e-02	-0.49	12.06	-37.53	6.86	-32.33	-15.19
1	40	62	0.19	-0.82	-0.61	-2.05e-02	-0.41	10.62	-37.67	6.88	-33.94	-12.90
1	40	63	0.17	-0.61	-0.43	-9.34e-03	-0.32	9.70	-38.36	7.36	-36.02	-10.34
1	40	64	0.24	-0.36	-0.12	4.27e-03	-0.29	7.52	-40.45	6.09	-39.02	-8.14
1	40	65	0.44	-0.54	-9.14e-02	-1.51e-02	-0.49	6.83	-39.90	6.68	-39.75	-2.60
1	41	1	2.23	0.49	2.23	0.49	-4.24e-02	-11.58	-446.01	-11.64	-445.96	4.76
1	41	2	9.07e-02	-1.25	-0.78	-0.38	-0.64	87.52	-114.11	-77.73	51.14	77.53
1	41	3	-4.49e-02	-1.16	-0.60	-0.61	0.56	31.63	-124.55	-84.68	-8.24	-68.10
1	41	4	1.81	0.90	1.80	0.91	0.10	-9.63	-485.97	-9.64	-485.97	1.83
1	41	5	4.40e-02	-1.08	-1.05	1.33e-02	-0.18	20.49	-136.66	-78.61	-37.57	75.85
1	41	6	-9.10e-02	-1.49	-1.37	-0.21	0.39	44.35	-124.52	-80.59	0.41	-74.09
1	41	9	1.15	-0.34	1.15	-0.34	-1.89e-02	-101.73	-455.74	-101.79	-455.67	4.91
1	41	10	0.78	-0.14	0.78	-0.13	-4.69e-02	1.14	-16.81	-3.52	-12.16	7.87
1	41	11	1.25	-4.69e-02	1.25	-4.69e-02	-7.62e-04	-92.63	-452.97	-92.82	-452.78	8.33
1	41	12	1.39	-0.25	1.34	-0.21	0.26	-3.11	-21.40	-9.58	-14.93	8.75
1	41	13	1.55	-1.26e-02	1.55	-1.25e-02	-1.27e-02	-94.36	-455.94	-94.71	-455.59	11.32
1	41	14	1.63	-0.29	1.57	-0.23	0.34	7.96e-02	-24.77	-9.76	-14.94	12.15
1	41	15	1.72	-3.12e-02	1.71	-3.10e-02	-1.94e-02	-95.96	-458.98	-96.47	-458.47	13.59
1	41	16	1.79	-0.30	1.71	-0.22	0.39	1.66	-28.11	-10.32	-16.13	14.60
1	41	17	1.64	-1.94e-02	1.64	-1.92e-02	-1.73e-02	-95.28	-460.82	-95.93	-460.17	15.43
1	41	18	1.85	-0.32	1.75	-0.22	0.45	3.36	-30.61	-9.40	-17.85	16.45
1	41	19	1.39	3.43e-03	1.39	3.54e-03	-1.27e-02	-93.30	-462.14	-94.10	-461.35	17.10
1	41	20	1.81	-0.35	1.68	-0.22	0.52	5.25	-32.90	-7.69	-19.96	18.06
1	41	21	1.21	-6.18e-03	1.21	-6.12e-03	-8.07e-03	-92.97	-464.57	-93.89	-463.65	18.42
1	41	22	1.67	-0.36	1.50	-0.18	0.57	7.10	-34.28	-6.53	-20.66	19.45
1	41	23	0.99	-2.04e-02	0.99	-2.04e-02	-4.02e-03	-92.78	-467.17	-93.76	-466.19	19.16
1	41	24	1.45	-0.38	1.24	-0.17	0.59	8.12	-35.73	-5.53	-22.08	20.31
1	41	25	0.62	-5.70e-03	0.62	-5.69e-03	-1.33e-03	-90.92	-468.84	-91.93	-467.83	19.52
1	41	26	1.21	-0.43	0.94	-0.16	0.60	9.47	-36.55	-3.30	-23.79	20.61
1	41	27	0.17	1.68e-02	0.17	1.68e-02	1.16e-03	-88.25	-470.06	-89.27	-469.04	19.67
1	41	28	0.97	-0.50	0.63	-0.16	0.62	10.94	-37.38	-0.72	-25.72	20.68
1	41	29	5.87e-03	-0.12	-0.12	5.72e-03	4.32e-03	-87.67	-472.44	-88.66	-471.46	19.42
1	41	30	0.74	-0.57	0.29	-0.12	0.62	11.89	-37.39	0.91	-26.41	20.51
1	41	31	-7.68e-03	-0.38	-0.38	-7.77e-03	5.95e-03	-87.46	-474.93	-88.35	-474.04	18.59
1	41	32	0.53	-0.66	-2.89e-02	-0.10	0.60	11.89	-37.66	2.09	-27.85	19.74
1	41	33	9.26e-03	-0.71	-0.71	9.22e-03	4.86e-03	-85.80	-476.44	-86.57	-475.67	17.36
1	41	34	0.38	-0.77	-0.30	-9.37e-02	0.56	12.32	-37.65	4.22	-29.55	18.41
1	41	35	3.09e-02	-1.02	-1.02	3.09e-02	5.08e-03	-83.83	-477.62	-84.47	-476.98	15.90
1	41	36	0.29	-0.85	-0.48	-8.18e-02	0.53	12.71	-37.93	6.22	-31.45	16.92
1	41	37	1.82e-02	-1.09	-1.09	1.82e-02	5.45e-03	-84.32	-480.09	-84.82	-479.59	14.11
1	41	38	0.24	-0.89	-0.61	-4.01e-02	0.49	12.06	-37.53	6.86	-32.33	15.19
1	41	39	9.00e-03	-1.05	-1.05	9.00e-03	8.91e-04	-85.12	-482.46	-85.47	-482.10	11.85
1	41	40	0.19	-0.82	-0.61	-2.05e-02	0.41	10.62	-37.67	6.88	-33.94	12.90
1	41	41	3.26e-02	-1.01	-1.01	3.26e-02	-2.70e-03	-84.59	-483.50	-84.81	-483.28	9.37
1	41	42	0.17	-0.61	-0.43	-9.34e-03	0.32	9.70	-38.36	7.36	-36.02	10.34
1	41	43	-3.25e-03	-0.79	-0.79	-3.51e-03	1.43e-02	-84.89	-484.58	-85.01	-484.46	6.93
1	41	44	0.24	-0.36	-0.12	4.27e-03	0.29	7.52	-40.45	6.09	-39.02	8.14
1	41	45	6.23e-02	-0.35	5.09e-02	-0.34	6.72e-02	-97.44	-492.13	-97.49	-492.09	4.26
1	41	46	0.44	-0.54	-9.14e-02	-1.51e-02	0.49	6.83	-39.90	6.68	-39.75	2.60
1	41	47	0.58	0.34	0.58	0.34	9.01e-03	48.57	9.79	9.84	48.52	1.47
1	41	48	1.11	5.86e-02	1.04	0.13	-0.26	46.54	8.55	9.86	45.24	6.92
1	41	49	1.29	-6.27e-03	1.18	0.11	-0.36	45.02	5.58	8.13	42.46	9.71
1	41	50	1.36	-3.61e-02	1.21	0.11	-0.43	43.99	1.91	5.82	40.08	12.21
1	41	51	1.33	-7.96e-02	1.14	0.11	-0.48	42.86	0.25	5.72	37.39	14.25

1	41	52	1.26	-0.13	1.00	0.13	-0.54	42.24	-0.35	6.67	35.22	15.80
1	41	53	1.11	-0.21	0.77	0.14	-0.58	40.92	-1.74	6.52	32.66	16.85
1	41	54	0.93	-0.31	0.48	0.14	-0.60	39.58	-3.04	6.33	30.21	17.65
1	41	55	0.76	-0.45	0.18	0.13	-0.60	38.30	-3.25	7.56	27.49	18.23
1	41	56	0.64	-0.62	-0.12	0.15	-0.62	37.29	-2.66	9.29	25.34	18.29
1	41	57	0.54	-0.83	-0.44	0.15	-0.61	35.18	-2.79	9.58	22.81	17.80
1	41	58	0.44	-1.03	-0.73	0.15	-0.59	32.83	-2.95	9.58	20.30	17.07
1	41	59	0.37	-1.20	-0.97	0.14	-0.55	30.62	-2.29	10.73	17.60	16.09
1	41	60	0.34	-1.31	-1.12	0.15	-0.52	28.37	-0.96	11.97	15.43	14.56
1	41	61	0.30	-1.37	-1.22	0.15	-0.48	24.87	-0.36	11.52	12.99	12.59
1	41	62	0.26	-1.32	-1.21	0.15	-0.41	21.31	0.13	10.79	10.64	10.59
1	41	63	0.23	-1.14	-1.06	0.15	-0.33	18.16	0.99	10.97	8.18	8.47
1	41	64	0.24	-0.82	-0.75	0.17	-0.26	13.41	1.88	9.39	5.90	5.49
1	41	65	0.42	-0.63	-0.49	0.28	-0.35	10.32	0.36	7.48	3.20	4.50
1	42	1	1.80	0.91	1.80	0.91	4.24e-02	-9.59	-486.01	-9.64	-485.97	-4.76
1	42	2	-0.15	-1.18	-1.12	-0.21	-0.24	6.71	-138.05	-83.07	-48.27	70.25
1	42	3	9.19e-02	-1.38	-1.30	1.43e-02	0.33	58.33	-123.35	-76.12	11.11	-79.68
1	42	4	2.24	0.49	2.23	0.49	-0.10	-11.63	-445.97	-11.64	-445.96	-1.83
1	42	5	-1.35e-02	-1.44	-0.84	-0.61	-0.70	73.64	-115.40	-82.19	40.44	71.94
1	42	6	4.48e-02	-0.96	-0.53	-0.39	0.50	45.62	-123.37	-80.22	2.46	-73.70
1	42	9	5.19e-02	-0.34	5.09e-02	-0.34	1.89e-02	-97.42	-492.15	-97.49	-492.09	-4.91
1	42	10	0.55	-0.56	-0.39	0.37	-0.40	16.73	9.10	13.76	12.06	-3.72
1	42	11	-3.51e-03	-0.79	-0.79	-3.51e-03	7.62e-04	-84.83	-484.64	-85.01	-484.46	-8.33
1	42	12	0.34	-0.67	-0.59	0.26	-0.28	24.86	6.13	17.46	13.52	-9.16
1	42	13	3.27e-02	-1.01	-1.01	3.26e-02	1.27e-02	-84.49	-483.60	-84.81	-483.28	-11.32
1	42	14	0.32	-1.02	-0.94	0.24	-0.31	28.43	4.46	18.11	14.78	-11.87
1	42	15	9.36e-03	-1.05	-1.05	9.00e-03	1.94e-02	-85.01	-482.57	-85.47	-482.10	-13.59
1	42	16	0.33	-1.26	-1.16	0.23	-0.39	31.25	2.12	16.91	16.46	-14.56
1	42	17	1.85e-02	-1.09	-1.09	1.82e-02	1.73e-02	-84.22	-480.19	-84.82	-479.59	-15.43
1	42	18	0.36	-1.36	-1.22	0.22	-0.47	34.01	0.69	16.75	17.95	-16.65
1	42	19	3.11e-02	-1.02	-1.02	3.09e-02	1.27e-02	-83.73	-477.72	-84.47	-476.98	-17.10
1	42	20	0.38	-1.32	-1.14	0.21	-0.52	36.12	-0.25	16.28	19.59	-18.11
1	42	21	9.31e-03	-0.71	-0.71	9.22e-03	8.07e-03	-85.70	-476.54	-86.57	-475.67	-18.42
1	42	22	0.40	-1.22	-1.00	0.18	-0.55	36.94	-2.26	14.00	20.68	-19.31
1	42	23	-7.73e-03	-0.38	-0.38	-7.77e-03	4.02e-03	-87.40	-474.99	-88.35	-474.04	-19.16
1	42	24	0.46	-1.04	-0.76	0.18	-0.59	38.06	-3.93	11.76	22.37	-20.31
1	42	25	5.74e-03	-0.12	-0.12	5.72e-03	1.33e-03	-87.66	-472.45	-88.66	-471.46	-19.52
1	42	26	0.55	-0.84	-0.46	0.17	-0.62	39.05	-4.54	10.67	23.84	-20.77
1	42	27	0.17	1.68e-02	0.17	1.68e-02	-1.16e-03	-88.25	-470.06	-89.27	-469.04	-19.67
1	42	28	0.64	-0.62	-0.12	0.15	-0.62	39.50	-4.87	9.29	25.34	-20.68
1	42	29	0.62	-5.72e-03	0.62	-5.69e-03	-4.32e-03	-90.93	-468.83	-91.93	-467.83	-19.42
1	42	30	0.76	-0.45	0.19	0.12	-0.61	39.13	-6.20	6.46	26.46	-20.34
1	42	31	0.99	-2.04e-02	0.99	-2.04e-02	-5.95e-03	-92.83	-467.11	-93.76	-466.19	-18.59
1	42	32	0.94	-0.32	0.51	0.11	-0.60	39.23	-6.95	4.14	28.14	-19.73
1	42	33	1.21	-6.14e-03	1.21	-6.12e-03	-4.86e-03	-93.07	-464.47	-93.89	-463.65	-17.36
1	42	34	1.12	-0.23	0.80	9.44e-02	-0.58	39.16	-6.33	3.25	29.58	-18.55
1	42	35	1.39	3.52e-03	1.39	3.54e-03	-5.08e-03	-93.41	-462.04	-94.10	-461.35	-15.90
1	42	36	1.26	-0.17	1.02	6.72e-02	-0.53	38.87	-5.44	2.36	31.07	-16.87
1	42	37	1.64	-1.93e-02	1.64	-1.92e-02	-5.45e-03	-95.39	-460.71	-95.93	-460.17	-14.11
1	42	38	1.31	-0.13	1.14	4.27e-02	-0.47	38.36	-5.44	0.49	32.43	-14.99
1	42	39	1.71	-3.10e-02	1.71	-3.10e-02	-8.91e-04	-96.08	-458.86	-96.47	-458.47	-11.85
1	42	40	1.29	-0.10	1.16	3.09e-02	-0.41	38.57	-4.60	-0.30	34.26	-12.94
1	42	41	1.55	-1.25e-02	1.55	-1.25e-02	2.70e-03	-94.47	-455.83	-94.71	-455.59	-9.37
1	42	42	1.17	-8.92e-02	1.06	1.63e-02	-0.35	38.84	-1.99	0.99	35.86	-10.62
1	42	43	1.25	-4.70e-02	1.25	-4.69e-02	-1.43e-02	-92.69	-452.91	-92.82	-452.78	-6.93
1	42	44	0.96	-3.92e-02	0.88	4.35e-02	-0.28	39.21	0.19	1.79	37.62	-7.73
1	42	45	1.15	-0.34	1.15	-0.34	-6.72e-02	-101.74	-455.72	-101.79	-455.67	-4.26
1	42	46	0.49	0.25	0.48	0.25	-3.92e-02	40.88	2.34	3.56	39.66	-6.75
1	42	47	0.29	-0.59	-0.19	-0.10	0.44	1.04	-49.25	0.40	-48.61	-5.61
1	42	48	0.11	-0.48	-0.28	-8.09e-02	0.28	-1.05	-47.57	-1.98	-46.64	-6.51
1	42	49	8.25e-02	-0.73	-0.55	-9.82e-02	0.34	2.44	-44.84	0.22	-42.62	-10.00
1	42	50	0.13	-0.89	-0.66	-0.10	0.43	4.18	-43.17	0.77	-39.75	-12.25
1	42	51	0.20	-0.92	-0.61	-0.11	0.50	6.18	-41.83	1.63	-37.29	-14.05
1	42	52	0.26	-0.87	-0.46	-0.14	0.54	7.66	-41.34	1.92	-35.60	-15.75
1	42	53	0.37	-0.77	-0.26	-0.14	0.57	8.05	-39.73	0.96	-32.64	-16.99
1	42	54	0.53	-0.66	-5.72e-04	-0.13	0.60	8.09	-38.12	-9.56e-02	-29.93	-17.64
1	42	55	0.75	-0.57	0.31	-0.13	0.62	8.82	-36.44	-0.18	-27.44	-18.06
1	42	56	0.97	-0.50	0.63	-0.16	0.62	8.93	-35.37	-0.72	-25.72	-18.29
1	42	57	1.19	-0.42	0.93	-0.15	0.60	8.22	-33.18	-2.20	-22.76	-17.96
1	42	58	1.43	-0.36	1.21	-0.14	0.59	7.32	-30.68	-3.35	-20.01	-17.08
1	42	59	1.65	-0.32	1.47	-0.14	0.57	7.07	-27.90	-3.26	-17.57	-15.96
1	42	60	1.80	-0.30	1.66	-0.16	0.52	6.28	-25.48	-3.39	-15.81	-14.61
1	42	61	1.86	-0.26	1.75	-0.15	0.46	4.99	-22.05	-4.17	-12.89	-12.79
1	42	62	1.85	-0.22	1.76	-0.14	0.41	3.72	-18.25	-4.20	-10.32	-10.55
1	42	63	1.75	-0.21	1.69	-0.14	0.35	3.19	-14.14	-2.61	-8.34	-8.18



1	42	64	1.54	-0.16	1.50	-0.12	0.25	2.17	-10.98	-1.51	-7.31	-5.90
1	42	65	0.89	-5.54e-02	0.88	-4.57e-02	-9.51e-02	2.78	-3.32	2.76	-3.30	-0.35
1	43	1	1.80	0.91	1.80	0.91	-4.24e-02	-9.59	-486.01	-9.64	-485.97	4.76
1	43	2	9.19e-02	-1.38	-1.30	1.43e-02	-0.33	58.33	-123.35	-76.12	11.11	79.68
1	43	3	-0.15	-1.18	-1.12	-0.21	0.24	6.71	-138.05	-83.07	-48.27	-70.25
1	43	4	2.24	0.49	2.23	0.49	0.10	-11.63	-445.97	-11.64	-445.96	1.83
1	43	5	4.48e-02	-0.96	-0.53	-0.39	-0.50	45.62	-123.37	-80.22	2.46	73.70
1	43	6	-1.35e-02	-1.44	-0.84	-0.61	0.70	73.64	-115.40	-82.19	40.44	-71.94
1	43	9	5.19e-02	-0.34	5.09e-02	-0.34	-1.89e-02	-97.42	-492.15	-97.49	-492.09	4.91
1	43	10	0.29	-0.59	-0.19	-0.10	-0.44	1.04	-49.25	0.40	-48.61	5.61
1	43	11	-3.51e-03	-0.79	-0.79	-3.51e-03	-7.62e-04	-84.83	-484.64	-85.01	-484.46	8.33
1	43	12	0.11	-0.48	-0.28	-8.09e-02	-0.28	-1.05	-47.57	-1.98	-46.64	6.51
1	43	13	3.27e-02	-1.01	-1.01	3.26e-02	-1.27e-02	-84.49	-483.60	-84.81	-483.28	11.32
1	43	14	8.25e-02	-0.73	-0.55	-9.82e-02	-0.34	2.44	-44.84	0.22	-42.62	10.00
1	43	15	9.36e-03	-1.05	-1.05	9.00e-03	-1.94e-02	-85.01	-482.57	-85.47	-482.10	13.59
1	43	16	0.13	-0.89	-0.66	-0.10	-0.43	4.18	-43.17	0.77	-39.75	12.25
1	43	17	1.85e-02	-1.09	-1.09	1.82e-02	-1.73e-02	-84.22	-480.19	-84.82	-479.59	15.43
1	43	18	0.20	-0.92	-0.61	-0.11	-0.50	6.18	-41.83	1.63	-37.29	14.05
1	43	19	3.11e-02	-1.02	-1.02	3.09e-02	-1.27e-02	-83.73	-477.72	-84.47	-476.98	17.10
1	43	20	0.26	-0.87	-0.46	-0.14	-0.54	7.66	-41.34	1.92	-35.60	15.75
1	43	21	9.31e-03	-0.71	-0.71	9.22e-03	-8.07e-03	-85.70	-476.54	-86.57	-475.67	18.42
1	43	22	0.37	-0.77	-0.26	-0.14	-0.57	8.05	-39.73	0.96	-32.64	16.99
1	43	23	-7.73e-03	-0.38	-0.38	-7.77e-03	-4.02e-03	-87.40	-474.99	-88.35	-474.04	19.16
1	43	24	0.53	-0.66	-5.72e-04	-0.13	-0.60	8.09	-38.12	-9.56e-02	-29.93	17.64
1	43	25	5.74e-03	-0.12	-0.12	5.72e-03	-1.33e-03	-87.66	-472.45	-88.66	-471.46	19.52
1	43	26	0.75	-0.57	0.31	-0.13	-0.62	8.82	-36.44	-0.18	-27.44	18.06
1	43	27	0.17	1.68e-02	0.17	1.68e-02	1.16e-03	-88.25	-470.06	-89.27	-469.04	19.67
1	43	28	0.97	-0.50	0.63	-0.16	-0.62	8.93	-35.37	-0.72	-25.72	18.29
1	43	29	0.62	-5.72e-03	0.62	-5.69e-03	4.32e-03	-90.93	-468.83	-91.93	-467.83	19.42
1	43	30	1.19	-0.42	0.93	-0.15	-0.60	8.22	-33.18	-2.20	-22.76	17.96
1	43	31	0.99	-2.04e-02	0.99	-2.04e-02	5.95e-03	-92.83	-467.11	-93.76	-466.19	18.59
1	43	32	1.43	-0.36	1.21	-0.14	-0.59	7.32	-30.68	-3.35	-20.01	17.08
1	43	33	1.21	-6.14e-03	1.21	-6.12e-03	4.86e-03	-93.07	-464.47	-93.89	-463.65	17.36
1	43	34	1.65	-0.32	1.47	-0.14	-0.57	7.07	-27.90	-3.26	-17.57	15.96
1	43	36	1.80	-0.30	1.66	-0.16	-0.52	6.28	-25.48	-3.39	-15.81	14.61
1	43	37	1.64	-1.93e-02	1.64	-1.92e-02	5.45e-03	-95.39	-460.71	-95.93	-460.17	14.11
1	43	38	1.86	-0.26	1.75	-0.15	-0.46	4.99	-22.05	-4.17	-12.89	12.79
1	43	39	1.71	-3.10e-02	1.71	-3.10e-02	8.91e-04	-96.08	-458.86	-96.47	-458.47	11.85
1	43	40	1.85	-0.22	1.76	-0.14	-0.41	3.72	-18.25	-4.20	-10.32	10.55
1	43	41	1.55	-1.25e-02	1.55	-1.25e-02	-2.70e-03	-94.47	-455.83	-94.71	-455.59	9.37
1	43	42	1.75	-0.21	1.69	-0.14	-0.35	3.19	-14.14	-2.61	-8.34	8.18
1	43	43	1.25	-4.70e-02	1.25	-4.69e-02	1.43e-02	-92.69	-452.91	-92.82	-452.78	6.93
1	43	44	1.54	-0.16	1.50	-0.12	-0.25	2.17	-10.98	-1.51	-7.31	5.90
1	43	45	1.15	-0.34	1.15	-0.34	6.72e-02	-101.74	-455.72	-101.79	-455.67	4.26
1	43	46	0.89	-5.54e-02	0.88	-4.57e-02	9.51e-02	2.78	-3.32	2.76	-3.30	0.35
1	43	47	0.55	-0.56	-0.39	0.37	0.40	16.73	9.10	13.76	12.06	3.72
1	43	48	0.34	-0.67	-0.59	0.26	0.28	24.86	6.13	17.46	13.52	9.16
1	43	49	0.32	-1.02	-0.94	0.24	0.31	28.43	4.46	18.11	14.78	11.87
1	43	50	0.33	-1.26	-1.16	0.23	0.39	31.25	2.12	16.91	16.46	14.56
1	43	51	0.36	-1.36	-1.22	0.22	0.47	34.01	0.69	16.75	17.95	16.65
1	43	52	0.38	-1.32	-1.14	0.21	0.52	36.12	-0.25	16.28	19.59	18.11
1	43	53	0.40	-1.22	-1.00	0.18	0.55	36.94	-2.26	14.00	20.68	19.31
1	43	54	0.46	-1.04	-0.76	0.18	0.59	38.06	-3.93	11.76	22.37	20.31
1	43	55	0.55	-0.84	-0.46	0.17	0.62	39.05	-4.54	10.67	23.84	20.77
1	43	56	0.64	-0.62	-0.12	0.15	0.62	39.50	-4.87	9.29	25.34	20.68
1	43	57	0.76	-0.45	0.19	0.12	0.61	39.13	-6.20	6.46	26.46	20.34
1	43	58	0.94	-0.32	0.51	0.11	0.60	39.23	-6.95	4.14	28.14	19.73
1	43	59	1.12	-0.23	0.80	9.44e-02	0.58	39.16	-6.33	3.25	29.58	18.55
1	43	60	1.26	-0.17	1.02	6.72e-02	0.53	38.87	-5.44	2.36	31.07	16.87
1	43	61	1.31	-0.13	1.14	4.27e-02	0.47	38.36	-5.44	0.49	32.43	14.99
1	43	62	1.29	-0.10	1.16	3.09e-02	0.41	38.57	-4.60	-0.30	34.26	12.94
1	43	63	1.17	-8.92e-02	1.06	1.63e-02	0.35	38.84	-1.99	0.99	35.86	10.62
1	43	64	0.96	-3.92e-02	0.88	4.35e-02	0.28	39.21	0.19	1.79	37.62	7.73
1	43	65	0.49	0.25	0.48	0.25	3.92e-02	40.88	2.34	3.56	39.66	6.75
1	44	1	2.24	0.49	2.23	0.49	0.10	-11.63	-445.97	-11.64	-445.96	1.83
1	44	2	4.48e-02	-0.96	-0.53	-0.39	-0.50	45.62	-123.37	-80.22	2.46	73.70
1	44	3	-1.35e-02	-1.44	-0.84	-0.61	0.70	73.64	-115.40	-82.19	40.44	-71.94
1	44	4	1.80	0.91	1.80	0.91	-4.24e-02	-9.59	-486.01	-9.64	-485.97	4.76
1	44	5	9.19e-02	-1.38	-1.30	1.43e-02	-0.33	58.33	-123.35	-76.12	11.11	79.68
1	44	6	-0.15	-1.18	-1.12	-0.21	0.24	6.71	-138.05	-83.07	-48.27	-70.25
1	44	9	1.15	-0.34	1.15	-0.34	6.72e-02	-101.74	-455.72	-101.79	-455.67	4.26
1	44	10	0.49	0.25	0.48	0.25	3.92e-02	40.88	2.34	3.56	39.66	6.75
1	44	11	1.25	-4.70e-02	1.25	-4.69e-02	1.43e-02	-92.69	-452.91	-92.82	-452.78	6.93
1	44	12	0.96	-3.92e-02	0.88	4.35e-02	0.28	39.21	0.19	1.79	37.62	7.73
1	44	13	1.55	-1.25e-02	1.55	-1.25e-02	-2.70e-03	-94.47	-455.83	-94.71	-455.59	9.37

1	44	14	1.17	-8.92e-02	1.06	1.63e-02	0.35	38.84	-1.99	0.99	35.86	10.62
1	44	15	1.71	-3.10e-02	1.71	-3.10e-02	8.91e-04	-96.08	-458.86	-96.47	-458.47	11.85
1	44	16	1.29	-0.10	1.16	3.09e-02	0.41	38.57	-4.60	-0.30	34.26	12.94
1	44	17	1.64	-1.93e-02	1.64	-1.92e-02	5.45e-03	-95.39	-460.71	-95.93	-460.17	14.11
1	44	18	1.31	-0.13	1.14	4.27e-02	0.47	38.36	-5.44	0.49	32.43	14.99
1	44	19	1.39	3.52e-03	1.39	3.54e-03	5.08e-03	-93.41	-462.04	-94.10	-461.35	15.90
1	44	20	1.26	-0.17	1.02	6.72e-02	0.53	38.87	-5.44	2.36	31.07	16.87
1	44	21	1.21	-6.14e-03	1.21	-6.12e-03	4.86e-03	-93.07	-464.47	-93.89	-463.65	17.36
1	44	22	1.12	-0.23	0.80	9.44e-02	0.58	39.16	-6.33	3.25	29.58	18.55
1	44	23	0.99	-2.04e-02	0.99	-2.04e-02	5.95e-03	-92.83	-467.11	-93.76	-466.19	18.59
1	44	24	0.94	-0.32	0.51	0.11	0.60	39.23	-6.95	4.14	28.14	19.73
1	44	25	0.62	-5.72e-03	0.62	-5.69e-03	4.32e-03	-90.93	-468.83	-91.93	-467.83	19.42
1	44	26	0.76	-0.45	0.19	0.12	0.61	39.13	-6.20	6.46	26.46	20.34
1	44	27	0.17	1.68e-02	0.17	1.68e-02	1.16e-03	-88.25	-470.06	-89.27	-469.04	19.67
1	44	28	0.64	-0.62	-0.12	0.15	0.62	39.50	-4.87	9.29	25.34	20.68
1	44	29	5.74e-03	-0.12	-0.12	5.72e-03	-1.33e-03	-87.66	-472.45	-88.66	-471.46	19.52
1	44	30	0.55	-0.84	-0.46	0.17	0.62	39.05	-4.54	10.67	23.84	20.77
1	44	31	-7.73e-03	-0.38	-0.38	-7.77e-03	-4.02e-03	-87.40	-474.99	-88.35	-474.04	19.16
1	44	32	0.46	-1.04	-0.76	0.18	0.59	38.06	-3.93	11.76	22.37	20.31
1	44	33	9.31e-03	-0.71	-0.71	9.22e-03	-8.07e-03	-85.70	-476.54	-86.57	-475.67	18.42
1	44	34	0.40	-1.22	-1.00	0.18	0.55	36.94	-2.26	14.00	20.68	19.31
1	44	35	3.11e-02	-1.02	-1.02	3.09e-02	-1.27e-02	-83.73	-477.72	-84.47	-476.98	17.10
1	44	36	0.38	-1.32	-1.14	0.21	0.52	36.12	-0.25	16.28	19.59	18.11
1	44	37	1.85e-02	-1.09	-1.09	1.82e-02	-1.73e-02	-84.22	-480.19	-84.82	-479.59	15.43
1	44	38	0.36	-1.36	-1.22	0.22	0.47	34.01	0.69	16.75	17.95	16.65
1	44	39	9.36e-03	-1.05	-1.05	9.00e-03	-1.94e-02	-85.01	-482.57	-85.47	-482.10	13.59
1	44	40	0.33	-1.26	-1.16	0.23	0.39	31.25	2.12	16.91	16.46	14.56
1	44	41	3.27e-02	-1.01	-1.01	3.26e-02	-1.27e-02	-84.49	-483.60	-84.81	-483.28	11.32
1	44	42	0.32	-1.02	-0.94	0.24	0.31	28.43	4.46	18.11	14.78	11.87
1	44	43	-3.51e-03	-0.79	-0.79	-3.51e-03	-7.62e-04	-84.83	-484.64	-85.01	-484.46	8.33
1	44	44	0.34	-0.67	-0.59	0.26	0.28	24.86	6.13	17.46	13.52	9.16
1	44	45	5.19e-02	-0.34	5.09e-02	-0.34	-1.89e-02	-97.42	-492.15	-97.49	-492.09	4.91
1	44	46	0.55	-0.56	-0.39	0.37	0.40	16.73	9.10	13.76	12.06	3.72
1	44	47	0.89	-5.54e-02	0.88	-4.57e-02	9.51e-02	2.78	-3.32	2.76	-3.30	0.35
1	44	48	1.54	-0.16	1.50	-0.12	-0.25	2.17	-10.98	-1.51	-7.31	5.90
1	44	49	1.75	-0.21	1.69	-0.14	-0.35	3.19	-14.14	-2.61	-8.34	8.18
1	44	50	1.85	-0.22	1.76	-0.14	-0.41	3.72	-18.25	-4.20	-10.32	10.55
1	44	51	1.86	-0.26	1.75	-0.15	-0.46	4.99	-22.05	-4.17	-12.89	12.79
1	44	52	1.80	-0.30	1.66	-0.16	-0.52	6.28	-25.48	-3.39	-15.81	14.61
1	44	53	1.65	-0.32	1.47	-0.14	-0.57	7.07	-27.90	-3.26	-17.57	15.96
1	44	54	1.43	-0.36	1.21	-0.14	-0.59	7.32	-30.68	-3.35	-20.01	17.08
1	44	55	1.19	-0.42	0.93	-0.15	-0.60	8.22	-33.18	-2.20	-22.76	17.96
1	44	56	0.97	-0.50	0.63	-0.16	-0.62	8.93	-35.37	-0.72	-25.72	18.29
1	44	57	0.75	-0.57	0.31	-0.13	-0.62	8.82	-36.44	-0.18	-27.44	18.06
1	44	58	0.53	-0.66	-5.72e-04	-0.13	-0.60	8.09	-38.12	-9.56e-02	-29.93	17.64
1	44	59	0.37	-0.77	-0.26	-0.14	-0.57	8.05	-39.73	0.96	-32.64	16.99
1	44	60	0.26	-0.87	-0.46	-0.14	-0.54	7.66	-41.34	1.92	-35.60	15.75
1	44	61	0.20	-0.92	-0.61	-0.11	-0.50	6.18	-41.83	1.63	-37.29	14.05
1	44	62	0.13	-0.89	-0.66	-0.10	-0.43	4.18	-43.17	0.77	-39.75	12.25
1	44	63	8.25e-02	-0.73	-0.55	-9.82e-02	-0.34	2.44	-44.84	0.22	-42.62	10.00
1	44	64	0.11	-0.48	-0.28	-8.09e-02	-0.28	-1.05	-47.57	-1.98	-46.64	6.51
1	44	65	0.29	-0.59	-0.19	-0.10	-0.44	1.04	-49.25	0.40	-48.61	5.61
1	45	1	2.24	0.49	2.23	0.49	-0.10	-11.63	-445.97	-11.64	-445.96	-1.83
1	45	2	-1.35e-02	-1.44	-0.84	-0.61	-0.70	73.64	-115.40	-82.19	40.44	71.94
1	45	3	4.48e-02	-0.96	-0.53	-0.39	0.50	45.62	-123.37	-80.22	2.46	-73.70
1	45	4	1.80	0.91	1.80	0.91	4.24e-02	-9.59	-486.01	-9.64	-485.97	-4.76
1	45	5	-0.15	-1.18	-1.12	-0.21	-0.24	6.71	-138.05	-83.07	-48.27	70.25
1	45	6	9.19e-02	-1.38	-1.30	1.43e-02	0.33	58.33	-123.35	-76.12	11.11	-79.68
1	45	9	1.15	-0.34	1.15	-0.34	-6.72e-02	-101.74	-455.72	-101.79	-455.67	-4.26
1	45	10	0.89	-5.54e-02	0.88	-4.57e-02	-9.51e-02	2.78	-3.32	2.76	-3.30	-0.35
1	45	11	1.25	-4.70e-02	1.25	-4.69e-02	-1.43e-02	-92.69	-452.91	-92.82	-452.78	-6.93
1	45	12	1.54	-0.16	1.50	-0.12	0.25	2.17	-10.98	-1.51	-7.31	-5.90
1	45	13	1.55	-1.25e-02	1.55	-1.25e-02	2.70e-03	-94.47	-455.83	-94.71	-455.59	-9.37
1	45	14	1.75	-0.21	1.69	-0.14	0.35	3.19	-14.14	-2.61	-8.34	-8.18
1	45	15	1.71	-3.10e-02	1.71	-3.10e-02	-8.91e-04	-96.08	-458.86	-96.47	-458.47	-11.85
1	45	16	1.85	-0.22	1.76	-0.14	0.41	3.72	-18.25	-4.20	-10.32	-10.55
1	45	17	1.64	-1.93e-02	1.64	-1.92e-02	-5.45e-03	-95.39	-460.71	-95.93	-460.17	-14.11
1	45	18	1.86	-0.26	1.75	-0.15	0.46	4.99	-22.05	-4.17	-12.89	-12.79
1	45	19	1.39	3.52e-03	1.39	3.54e-03	-5.08e-03	-93.41	-462.04	-94.10	-461.35	-15.90
1	45	20	1.80	-0.30	1.66	-0.16	0.52	6.28	-25.48	-3.39	-15.81	-14.61
1	45	21	1.21	-6.14e-03	1.21	-6.12e-03	-4.86e-03	-93.07	-464.47	-93.89	-463.65	-17.36
1	45	22	1.65	-0.32	1.47	-0.14	0.57	7.07	-27.90	-3.26	-17.57	-15.96
1	45	23	0.99	-2.04e-02	0.99	-2.04e-02	-5.95e-03	-92.83	-467.11	-93.76	-466.19	-18.59
1	45	24	1.43	-0.36	1.21	-0.14	0.59	7.32	-30.68	-3.35	-20.01	-17.08
1	45	25	0.62	-5.72e-03	0.62	-5.69e-03	-4.32e-03	-90.93	-468.83	-91.93	-467.83	-19.42

1	45	26	1.19	-0.42	0.93	-0.15	0.60	8.22	-33.18	-2.20	-22.76	-17.96
1	45	27	0.17	1.68e-02	0.17	1.68e-02	-1.16e-03	-88.25	-470.06	-89.27	-469.04	-19.67
1	45	28	0.97	-0.50	0.63	-0.16	0.62	8.93	-35.37	-0.72	-25.72	-18.29
1	45	29	5.74e-03	-0.12	-0.12	5.72e-03	1.33e-03	-87.66	-472.45	-88.66	-471.46	-19.52
1	45	30	0.75	-0.57	0.31	-0.13	0.62	8.82	-36.44	-0.18	-27.44	-18.06
1	45	31	-7.73e-03	-0.38	-0.38	-7.77e-03	4.02e-03	-87.40	-474.99	-88.35	-474.04	-19.16
1	45	32	0.53	-0.66	-5.72e-04	-0.13	0.60	8.09	-38.12	-9.56e-02	-29.93	-17.64
1	45	33	9.31e-03	-0.71	-0.71	9.22e-03	8.07e-03	-85.70	-476.54	-86.57	-475.67	-18.42
1	45	34	0.37	-0.77	-0.26	-0.14	0.57	8.05	-39.73	0.96	-32.64	-16.99
1	45	35	3.11e-02	-1.02	-1.02	3.09e-02	1.27e-02	-83.73	-477.72	-84.47	-476.98	-17.10
1	45	36	0.26	-0.87	-0.46	-0.14	0.54	7.66	-41.34	1.92	-35.60	-15.75
1	45	37	1.85e-02	-1.09	-1.09	1.82e-02	1.73e-02	-84.22	-480.19	-84.82	-479.59	-15.43
1	45	38	0.20	-0.92	-0.61	-0.11	0.50	6.18	-41.83	1.63	-37.29	-14.05
1	45	39	9.36e-03	-1.05	-1.05	9.00e-03	1.94e-02	-85.01	-482.57	-85.47	-482.10	-13.59
1	45	40	0.13	-0.89	-0.66	-0.10	0.43	4.18	-43.17	0.77	-39.75	-12.25
1	45	41	3.27e-02	-1.01	-1.01	3.26e-02	1.27e-02	-84.49	-483.60	-84.81	-483.28	-11.32
1	45	42	8.25e-02	-0.73	-0.55	-9.82e-02	0.34	2.44	-44.84	0.22	-42.62	-10.00
1	45	43	-3.51e-03	-0.79	-0.79	-3.51e-03	7.62e-04	-84.83	-484.64	-85.01	-484.46	-8.33
1	45	44	0.11	-0.48	-0.28	-8.09e-02	0.28	-1.05	-47.57	-1.98	-46.64	-6.51
1	45	45	5.19e-02	-0.34	5.09e-02	-0.34	1.89e-02	-97.42	-492.15	-97.49	-492.09	-4.91
1	45	46	0.29	-0.59	-0.19	-0.10	0.44	1.04	-49.25	0.40	-48.61	-5.61
1	45	47	0.49	0.25	0.48	0.25	-3.92e-02	40.88	2.34	3.56	39.66	-6.75
1	45	48	0.96	-3.92e-02	0.88	4.35e-02	-0.28	39.21	0.19	1.79	37.62	-7.73
1	45	49	1.17	-8.92e-02	1.06	1.63e-02	-0.35	38.84	-1.99	0.99	35.86	-10.62
1	45	50	1.29	-0.10	1.16	3.09e-02	-0.41	38.57	-4.60	-0.30	34.26	-12.94
1	45	51	1.31	-0.13	1.14	4.27e-02	-0.47	38.36	-5.44	0.49	32.43	-14.99
1	45	52	1.26	-0.17	1.02	6.72e-02	-0.53	38.87	-5.44	2.36	31.07	-16.87
1	45	53	1.12	-0.23	0.80	9.44e-02	-0.58	39.16	-6.33	3.25	29.58	-18.55
1	45	54	0.94	-0.32	0.51	0.11	-0.60	39.23	-6.95	4.14	28.14	-19.73
1	45	55	0.76	-0.45	0.19	0.12	-0.61	39.13	-6.20	6.46	26.46	-20.34
1	45	56	0.64	-0.62	-0.12	0.15	-0.62	39.50	-4.87	9.29	25.34	-20.68
1	45	57	0.55	-0.84	-0.46	0.17	-0.62	39.05	-4.54	10.67	23.84	-20.77
1	45	58	0.46	-1.04	-0.76	0.18	-0.59	38.06	-3.93	11.76	22.37	-20.31
1	45	59	0.40	-1.22	-1.00	0.18	-0.55	36.94	-2.26	14.00	20.68	-19.31
1	45	60	0.38	-1.32	-1.14	0.21	-0.52	36.12	-0.25	16.28	19.59	-18.11
1	45	61	0.36	-1.36	-1.22	0.22	-0.47	34.01	0.69	16.75	17.95	-16.65
1	45	62	0.33	-1.26	-1.16	0.23	-0.39	31.25	2.12	16.91	16.46	-14.56
1	45	63	0.32	-1.02	-0.94	0.24	-0.31	28.43	4.46	18.11	14.78	-11.87
1	45	64	0.34	-0.67	-0.59	0.26	-0.28	24.86	6.13	17.46	13.52	-9.16
1	45	65	0.55	-0.56	-0.39	0.37	-0.40	16.73	9.10	13.76	12.06	-3.72
1	46	1	1.81	0.90	1.80	0.91	0.10	-9.63	-485.97	-9.64	-485.97	1.83
1	46	2	4.40e-02	-1.08	-1.05	1.33e-02	-0.18	20.49	-136.66	-78.61	-37.57	75.85
1	46	3	-9.10e-02	-1.49	-1.37	-0.21	0.39	44.35	-124.52	-80.59	0.41	-74.09
1	46	4	2.23	0.49	2.23	0.49	-4.24e-02	-11.58	-446.01	-11.64	-445.96	4.76
1	46	5	9.07e-02	-1.25	-0.78	-0.38	-0.64	87.52	-114.11	-77.73	51.14	77.53
1	46	6	-4.49e-02	-1.16	-0.60	-0.61	0.56	31.63	-124.55	-84.68	-8.24	-68.10
1	46	9	6.23e-02	-0.35	5.09e-02	-0.34	6.72e-02	-97.44	-492.13	-97.49	-492.09	4.26
1	46	10	0.42	-0.63	-0.49	0.28	-0.35	10.32	0.36	7.48	3.20	4.50
1	46	11	-3.25e-03	-0.79	-0.79	-3.51e-03	1.43e-02	-84.89	-484.58	-85.01	-484.46	6.93
1	46	12	0.24	-0.82	-0.75	0.17	-0.26	13.41	1.88	9.39	5.90	5.49
1	46	13	3.26e-02	-1.01	-1.01	3.26e-02	-2.70e-03	-84.59	-483.50	-84.81	-483.28	9.37
1	46	14	0.23	-1.14	-1.06	0.15	-0.33	18.16	0.99	10.97	8.18	8.47
1	46	16	0.26	-1.32	-1.21	0.15	-0.41	21.31	0.13	10.79	10.64	10.59
1	46	17	1.82e-02	-1.09	-1.09	1.82e-02	5.45e-03	-84.32	-480.09	-84.82	-479.59	14.11
1	46	18	0.30	-1.37	-1.22	0.15	-0.48	24.87	-0.36	11.52	12.99	12.59
1	46	19	3.09e-02	-1.02	-1.02	3.09e-02	5.08e-03	-83.83	-477.62	-84.47	-476.98	15.90
1	46	20	0.34	-1.31	-1.12	0.15	-0.52	28.37	-0.96	11.97	15.43	14.56
1	46	21	9.26e-03	-0.71	-0.71	9.22e-03	4.86e-03	-85.80	-476.44	-86.57	-475.67	17.36
1	46	22	0.37	-1.20	-0.97	0.14	-0.55	30.62	-2.29	10.73	17.60	16.09
1	46	23	-7.68e-03	-0.38	-0.38	-7.77e-03	5.95e-03	-87.46	-474.93	-88.35	-474.04	18.59
1	46	24	0.44	-1.03	-0.73	0.15	-0.59	32.83	-2.95	9.58	20.30	17.07
1	46	25	5.87e-03	-0.12	-0.12	5.72e-03	4.32e-03	-87.67	-472.44	-88.66	-471.46	19.42
1	46	26	0.54	-0.83	-0.44	0.15	-0.61	35.18	-2.79	9.58	22.81	17.80
1	46	27	0.17	1.68e-02	0.17	1.68e-02	1.16e-03	-88.25	-470.06	-89.27	-469.04	19.67
1	46	28	0.64	-0.62	-0.12	0.15	-0.62	37.29	-2.66	9.29	25.34	18.29
1	46	29	0.62	-5.70e-03	0.62	-5.69e-03	-1.33e-03	-90.92	-468.84	-91.93	-467.83	19.52
1	46	30	0.76	-0.45	0.18	0.13	-0.60	38.30	-3.25	7.56	27.49	18.23
1	46	31	0.99	-2.04e-02	0.99	-2.04e-02	-4.02e-03	-92.78	-467.17	-93.76	-466.19	19.16
1	46	32	0.93	-0.31	0.48	0.14	-0.60	39.58	-3.04	6.33	30.21	17.65
1	46	33	1.21	-6.18e-03	1.21	-6.12e-03	-8.07e-03	-92.97	-464.57	-93.89	-463.65	18.42
1	46	34	1.11	-0.21	0.77	0.14	-0.58	40.92	-1.74	6.52	32.66	16.85
1	46	35	1.39	3.43e-03	1.39	3.54e-03	-1.27e-02	-93.30	-462.14	-94.10	-461.35	17.10
1	46	36	1.26	-0.13	1.00	0.13	-0.54	42.24	-0.35	6.67	35.22	15.80
1	46	37	1.64	-1.94e-02	1.64	-1.92e-02	-1.73e-02	-95.28	-460.82	-95.93	-460.17	15.43
1	46	38	1.33	-7.96e-02	1.14	0.11	-0.48	42.86	0.25	5.72	37.39	14.25

1	46	39	1.72	-3.12e-02	1.71	-3.10e-02	-1.94e-02	-95.96	-458.98	-96.47	-458.47	13.59
1	46	40	1.36	-3.61e-02	1.21	0.11	-0.43	43.99	1.91	5.82	40.08	12.21
1	46	41	1.55	-1.26e-02	1.55	-1.25e-02	-1.27e-02	-94.36	-455.94	-94.71	-455.59	11.32
1	46	42	1.29	-6.27e-03	1.18	0.11	-0.36	45.02	5.58	8.13	42.46	9.71
1	46	43	1.25	-4.69e-02	1.25	-4.69e-02	-7.62e-04	-92.63	-452.97	-92.82	-452.78	8.33
1	46	44	1.11	5.86e-02	1.04	0.13	-0.26	46.54	8.55	9.86	45.24	6.92
1	46	45	1.15	-0.34	1.15	-0.34	-1.89e-02	-101.73	-455.74	-101.79	-455.67	4.91
1	46	46	0.58	0.34	0.58	0.34	9.01e-03	48.57	9.79	9.84	48.52	1.47
1	46	47	0.44	-0.54	-9.14e-02	-1.51e-02	0.49	6.83	-39.90	6.68	-39.75	2.60
1	46	48	0.24	-0.36	-0.12	4.27e-03	0.29	7.52	-40.45	6.09	-39.02	8.14
1	46	49	0.17	-0.61	-0.43	-9.34e-03	0.32	9.70	-38.36	7.36	-36.02	10.34
1	46	50	0.19	-0.82	-0.61	-2.05e-02	0.41	10.62	-37.67	6.88	-33.94	12.90
1	46	51	0.24	-0.89	-0.61	-4.01e-02	0.49	12.06	-37.53	6.86	-32.33	15.19
1	46	52	0.29	-0.85	-0.48	-8.18e-02	0.53	12.71	-37.93	6.22	-31.45	16.92
1	46	53	0.38	-0.77	-0.30	-9.37e-02	0.56	12.32	-37.65	4.22	-29.55	18.41
1	46	54	0.53	-0.66	-2.89e-02	-0.10	0.60	11.89	-37.66	2.09	-27.85	19.74
1	46	55	0.74	-0.57	0.29	-0.12	0.62	11.89	-37.39	0.91	-26.41	20.51
1	46	56	0.97	-0.50	0.63	-0.16	0.62	10.94	-37.38	-0.72	-25.72	20.68
1	46	57	1.21	-0.43	0.94	-0.16	0.60	9.47	-36.55	-3.30	-23.79	20.61
1	46	58	1.45	-0.38	1.24	-0.17	0.59	8.12	-35.73	-5.53	-22.08	20.31
1	46	59	1.67	-0.36	1.50	-0.18	0.57	7.10	-34.28	-6.53	-20.66	19.45
1	46	60	1.81	-0.35	1.68	-0.22	0.52	5.25	-32.90	-7.69	-19.96	18.06
1	46	61	1.85	-0.32	1.75	-0.22	0.45	3.36	-30.61	-9.40	-17.85	16.45
1	46	62	1.79	-0.30	1.71	-0.22	0.39	1.66	-28.11	-10.32	-16.13	14.60
1	46	63	1.63	-0.29	1.57	-0.23	0.34	7.96e-02	-24.77	-9.76	-14.94	12.15
1	46	64	1.39	-0.25	1.34	-0.21	0.26	-3.11	-21.40	-9.58	-14.93	8.75
1	46	65	0.78	-0.14	0.78	-0.13	-4.69e-02	1.14	-16.81	-3.52	-12.16	7.87
1	47	1	1.81	0.90	1.80	0.91	-0.10	-9.63	-485.97	-9.64	-485.97	-1.83
1	47	2	-9.10e-02	-1.49	-1.37	-0.21	-0.39	44.35	-124.52	-80.59	0.41	74.09
1	47	3	4.40e-02	-1.08	-1.05	1.33e-02	0.18	20.49	-136.66	-78.61	-37.57	-75.85
1	47	4	2.23	0.49	2.23	0.49	4.24e-02	-11.58	-446.01	-11.64	-445.96	-4.76
1	47	5	-4.49e-02	-1.16	-0.60	-0.61	-0.56	31.63	-124.55	-84.68	-8.24	68.10
1	47	6	9.07e-02	-1.25	-0.78	-0.38	0.64	87.52	-114.11	-77.73	51.14	-77.53
1	47	9	6.23e-02	-0.35	5.09e-02	-0.34	-6.72e-02	-97.44	-492.13	-97.49	-492.09	-4.26
1	47	10	0.44	-0.54	-9.14e-02	-1.51e-02	-0.49	6.83	-39.90	6.68	-39.75	-2.60
1	47	11	-3.25e-03	-0.79	-0.79	-3.51e-03	-1.43e-02	-84.89	-484.58	-85.01	-484.46	-6.93
1	47	12	0.24	-0.36	-0.12	4.27e-03	-0.29	7.52	-40.45	6.09	-39.02	-8.14
1	47	13	3.26e-02	-1.01	-1.01	3.26e-02	2.70e-03	-84.59	-483.50	-84.81	-483.28	-9.37
1	47	14	0.17	-0.61	-0.43	-9.34e-03	-0.32	9.70	-38.36	7.36	-36.02	-10.34
1	47	15	9.00e-03	-1.05	-1.05	9.00e-03	-8.91e-04	-85.12	-482.46	-85.47	-482.10	-11.85
1	47	16	0.19	-0.82	-0.61	-2.05e-02	-0.41	10.62	-37.67	6.88	-33.94	-12.90
1	47	17	1.82e-02	-1.09	-1.09	1.82e-02	-5.45e-03	-84.32	-480.09	-84.82	-479.59	-14.11
1	47	18	0.24	-0.89	-0.61	-4.01e-02	-0.49	12.06	-37.53	6.86	-32.33	-15.19
1	47	19	3.09e-02	-1.02	-1.02	3.09e-02	-5.08e-03	-83.83	-477.62	-84.47	-476.98	-15.90
1	47	20	0.29	-0.85	-0.48	-8.18e-02	-0.53	12.71	-37.93	6.22	-31.45	-16.92
1	47	21	9.26e-03	-0.71	-0.71	9.22e-03	-4.86e-03	-85.80	-476.44	-86.57	-475.67	-17.36
1	47	22	0.38	-0.77	-0.30	-9.37e-02	-0.56	12.32	-37.65	4.22	-29.55	-18.41
1	47	23	-7.68e-03	-0.38	-0.38	-7.77e-03	-5.95e-03	-87.46	-474.93	-88.35	-474.04	-18.59
1	47	24	0.53	-0.66	-2.89e-02	-0.10	-0.60	11.89	-37.66	2.09	-27.85	-19.74
1	47	25	5.87e-03	-0.12	-0.12	5.72e-03	-4.32e-03	-87.67	-472.44	-88.66	-471.46	-19.42
1	47	26	0.74	-0.57	0.29	-0.12	-0.62	11.89	-37.39	0.91	-26.41	-20.51
1	47	27	0.17	1.68e-02	0.17	1.68e-02	-1.16e-03	-88.25	-470.06	-89.27	-469.04	-19.67
1	47	28	0.97	-0.50	0.63	-0.16	-0.62	10.94	-37.38	-0.72	-25.72	-20.68
1	47	29	0.62	-5.70e-03	0.62	-5.69e-03	1.33e-03	-90.92	-468.84	-91.93	-467.83	-19.52
1	47	30	1.21	-0.43	0.94	-0.16	-0.60	9.47	-36.55	-3.30	-23.79	-20.61
1	47	31	0.99	-2.04e-02	0.99	-2.04e-02	4.02e-03	-92.78	-467.17	-93.76	-466.19	-19.16
1	47	32	1.45	-0.38	1.24	-0.17	-0.59	8.12	-35.73	-5.53	-22.08	-20.31
1	47	33	1.21	-6.18e-03	1.21	-6.12e-03	8.07e-03	-92.97	-464.57	-93.89	-463.65	-18.42
1	47	34	1.67	-0.36	1.50	-0.18	-0.57	7.10	-34.28	-6.53	-20.66	-19.45
1	47	35	1.39	3.43e-03	1.39	3.54e-03	1.27e-02	-93.30	-462.14	-94.10	-461.35	-17.10
1	47	36	1.81	-0.35	1.68	-0.22	-0.52	5.25	-32.90	-7.69	-19.96	-18.06
1	47	37	1.64	-1.94e-02	1.64	-1.92e-02	1.73e-02	-95.28	-460.82	-95.93	-460.17	-15.43
1	47	38	1.85	-0.32	1.75	-0.22	-0.45	3.36	-30.61	-9.40	-17.85	-16.45
1	47	39	1.72	-3.12e-02	1.71	-3.10e-02	1.94e-02	-95.96	-458.98	-96.47	-458.47	-13.59
1	47	40	1.79	-0.30	1.71	-0.22	-0.39	1.66	-28.11	-10.32	-16.13	-14.60
1	47	41	1.55	-1.26e-02	1.55	-1.25e-02	1.27e-02	-94.36	-455.94	-94.71	-455.59	-11.32
1	47	42	1.63	-0.29	1.57	-0.23	-0.34	7.96e-02	-24.77	-9.76	-14.94	-12.15
1	47	43	1.25	-4.69e-02	1.25	-4.69e-02	7.62e-04	-92.63	-452.97	-92.82	-452.78	-8.33
1	47	44	1.39	-0.25	1.34	-0.21	-0.26	-3.11	-21.40	-9.58	-14.93	-8.75
1	47	45	1.15	-0.34	1.15	-0.34	1.89e-02	-101.73	-455.74	-101.79	-455.67	-4.91
1	47	46	0.78	-0.14	0.78	-0.13	4.69e-02	1.14	-16.81	-3.52	-12.16	-7.87
1	47	47	0.42	-0.63	-0.49	0.28	0.35	10.32	0.36	7.48	3.20	-4.50
1	47	48	0.24	-0.82	-0.75	0.17	0.26	13.41	1.88	9.39	5.90	-5.49
1	47	49	0.23	-1.14	-1.06	0.15	0.33	18.16	0.99	10.97	8.18	-8.47
1	47	50	0.26	-1.32	-1.21	0.15	0.41	21.31	0.13	10.79	10.64	-10.59

1	47	51	0.30	-1.37	-1.22	0.15	0.48	24.87	-0.36	11.52	12.99	-12.59
1	47	52	0.34	-1.31	-1.12	0.15	0.52	28.37	-0.96	11.97	15.43	-14.56
1	47	53	0.37	-1.20	-0.97	0.14	0.55	30.62	-2.29	10.73	17.60	-16.09
1	47	54	0.44	-1.03	-0.73	0.15	0.59	32.83	-2.95	9.58	20.30	-17.07
1	47	55	0.54	-0.83	-0.44	0.15	0.61	35.18	-2.79	9.58	22.81	-17.80
1	47	56	0.64	-0.62	-0.12	0.15	0.62	37.29	-2.66	9.29	25.34	-18.29
1	47	57	0.76	-0.45	0.18	0.13	0.60	38.30	-3.25	7.56	27.49	-18.23
1	47	58	0.93	-0.31	0.48	0.14	0.60	39.58	-3.04	6.33	30.21	-17.65
1	47	59	1.11	-0.21	0.77	0.14	0.58	40.92	-1.74	6.52	32.66	-16.85
1	47	60	1.26	-0.13	1.00	0.13	0.54	42.24	-0.35	6.67	35.22	-15.80
1	47	61	1.33	-7.96e-02	1.14	0.11	0.48	42.86	0.25	5.72	37.39	-14.25
1	47	62	1.36	-3.61e-02	1.21	0.11	0.43	43.99	1.91	5.82	40.08	-12.21
1	47	63	1.29	-6.27e-03	1.18	0.11	0.36	45.02	5.58	8.13	42.46	-9.71
1	47	64	1.11	5.86e-02	1.04	0.13	0.26	46.54	8.55	9.86	45.24	-6.92
1	47	65	0.58	0.34	0.58	0.34	-9.01e-03	48.57	9.79	9.84	48.52	-1.47
1	48	1	2.23	0.49	2.23	0.49	4.24e-02	-11.58	-446.01	-11.64	-445.96	-4.76
1	48	2	-4.49e-02	-1.16	-0.60	-0.61	-0.56	31.63	-124.55	-84.68	-8.24	68.10
1	48	3	9.07e-02	-1.25	-0.78	-0.38	0.64	87.52	-114.11	-77.73	51.14	-77.53
1	48	4	1.81	0.90	1.80	0.91	-0.10	-9.63	-485.97	-9.64	-485.97	-1.83
1	48	5	-9.10e-02	-1.49	-1.37	-0.21	-0.39	44.35	-124.52	-80.59	0.41	74.09
1	48	6	4.40e-02	-1.08	-1.05	1.33e-02	0.18	20.49	-136.66	-78.61	-37.57	-75.85
1	48	9	1.15	-0.34	1.15	-0.34	1.89e-02	-101.73	-455.74	-101.79	-455.67	-4.91
1	48	10	0.58	0.34	0.58	0.34	-9.01e-03	48.57	9.79	9.84	48.52	-1.47
1	48	11	1.25	-4.69e-02	1.25	-4.69e-02	7.62e-04	-92.63	-452.97	-92.82	-452.78	-8.33
1	48	12	1.11	5.86e-02	1.04	0.13	0.26	46.54	8.55	9.86	45.24	-6.92
1	48	13	1.55	-1.26e-02	1.55	-1.25e-02	1.27e-02	-94.36	-455.94	-94.71	-455.59	-11.32
1	48	14	1.29	-6.27e-03	1.18	0.11	0.36	45.02	5.58	8.13	42.46	-9.71
1	48	15	1.72	-3.12e-02	1.71	-3.10e-02	1.94e-02	-95.96	-458.98	-96.47	-458.47	-13.59
1	48	16	1.36	-3.61e-02	1.21	0.11	0.43	43.99	1.91	5.82	40.08	-12.21
1	48	17	1.64	-1.94e-02	1.64	-1.92e-02	1.73e-02	-95.28	-460.82	-95.93	-460.17	-15.43
1	48	18	1.33	-7.96e-02	1.14	0.11	0.48	42.86	0.25	5.72	37.39	-14.25
1	48	19	1.39	3.43e-03	1.39	3.54e-03	1.27e-02	-93.30	-462.14	-94.10	-461.35	-17.10
1	48	20	1.26	-0.13	1.00	0.13	0.54	42.24	-0.35	6.67	35.22	-15.80
1	48	21	1.21	-6.18e-03	1.21	-6.12e-03	8.07e-03	-92.97	-464.57	-93.89	-463.65	-18.42
1	48	22	1.11	-0.21	0.77	0.14	0.58	40.92	-1.74	6.52	32.66	-16.85
1	48	23	0.99	-2.04e-02	0.99	-2.04e-02	4.02e-03	-92.78	-467.17	-93.76	-466.19	-19.16
1	48	24	0.93	-0.31	0.48	0.14	0.60	39.58	-3.04	6.33	30.21	-17.65
1	48	25	0.62	-5.70e-03	0.62	-5.69e-03	1.33e-03	-90.92	-468.84	-91.93	-467.83	-19.52
1	48	26	0.76	-0.45	0.18	0.13	0.60	38.30	-3.25	7.56	27.49	-18.23
1	48	27	0.17	1.68e-02	0.17	1.68e-02	-1.16e-03	-88.25	-470.06	-89.27	-469.04	-19.67
1	48	28	0.64	-0.62	-0.12	0.15	0.62	37.29	-2.66	9.29	25.34	-18.29
1	48	29	5.87e-03	-0.12	-0.12	5.72e-03	-4.32e-03	-87.67	-472.44	-88.66	-471.46	-19.42
1	48	30	0.54	-0.83	-0.44	0.15	0.61	35.18	-2.79	9.58	22.81	-17.80
1	48	31	-7.68e-03	-0.38	-0.38	-7.77e-03	-5.95e-03	-87.46	-474.93	-88.35	-474.04	-18.59
1	48	32	0.44	-1.03	-0.73	0.15	0.59	32.83	-2.95	9.58	20.30	-17.07
1	48	33	9.26e-03	-0.71	-0.71	9.22e-03	-4.86e-03	-85.80	-476.44	-86.57	-475.67	-17.36
1	48	34	0.37	-1.20	-0.97	0.14	0.55	30.62	-2.29	10.73	17.60	-16.09
1	48	35	3.09e-02	-1.02	-1.02	3.09e-02	-5.08e-03	-83.83	-477.62	-84.47	-476.98	-15.90
1	48	36	0.34	-1.31	-1.12	0.15	0.52	28.37	-0.96	11.97	15.43	-14.56
1	48	37	1.82e-02	-1.09	-1.09	1.82e-02	-5.45e-03	-84.32	-480.09	-84.82	-479.59	-14.11
1	48	38	0.30	-1.37	-1.22	0.15	0.48	24.87	-0.36	11.52	12.99	-12.59
1	48	39	9.00e-03	-1.05	-1.05	9.00e-03	-8.91e-04	-85.12	-482.46	-85.47	-482.10	-11.85
1	48	40	0.26	-1.32	-1.21	0.15	0.41	21.31	0.13	10.79	10.64	-10.59
1	48	41	3.26e-02	-1.01	-1.01	3.26e-02	2.70e-03	-84.59	-483.50	-84.81	-483.28	-9.37
1	48	42	0.23	-1.14	-1.06	0.15	0.33	18.16	0.99	10.97	8.18	-8.47
1	48	43	-3.25e-03	-0.79	-0.79	-3.51e-03	-1.43e-02	-84.89	-484.58	-85.01	-484.46	-6.93
1	48	44	0.24	-0.82	-0.75	0.17	0.26	13.41	1.88	9.39	5.90	-5.49
1	48	45	6.23e-02	-0.35	5.09e-02	-0.34	-6.72e-02	-97.44	-492.13	-97.49	-492.09	-4.26
1	48	46	0.42	-0.63	-0.49	0.28	0.35	10.32	0.36	7.48	3.20	-4.50
1	48	47	0.78	-0.14	0.78	-0.13	4.69e-02	1.14	-16.81	-3.52	-12.16	-7.87
1	48	48	1.39	-0.25	1.34	-0.21	-0.26	-3.11	-21.40	-9.58	-14.93	-8.75
1	48	49	1.63	-0.29	1.57	-0.23	-0.34	7.96e-02	-24.77	-9.76	-14.94	-12.15
1	48	50	1.79	-0.30	1.71	-0.22	-0.39	1.66	-28.11	-10.32	-16.13	-14.60
1	48	51	1.85	-0.32	1.75	-0.22	-0.45	3.36	-30.61	-9.40	-17.85	-16.45
1	48	52	1.81	-0.35	1.68	-0.22	-0.52	5.25	-32.90	-7.69	-19.96	-18.06
1	48	53	1.67	-0.36	1.50	-0.18	-0.57	7.10	-34.28	-6.53	-20.66	-19.45
1	48	54	1.45	-0.38	1.24	-0.17	-0.59	8.12	-35.73	-5.53	-22.08	-20.31
1	48	55	1.21	-0.43	0.94	-0.16	-0.60	9.47	-36.55	-3.30	-23.79	-20.61
1	48	56	0.97	-0.50	0.63	-0.16	-0.62	10.94	-37.38	-0.72	-25.72	-20.68
1	48	57	0.74	-0.57	0.29	-0.12	-0.62	11.89	-37.39	0.91	-26.41	-20.51
1	48	58	0.53	-0.66	-2.89e-02	-0.10	-0.60	11.89	-37.66	2.09	-27.85	-19.74
1	48	59	0.38	-0.77	-0.30	-9.37e-02	-0.56	12.32	-37.65	4.22	-29.55	-18.41
1	48	60	0.29	-0.85	-0.48	-8.18e-02	-0.53	12.71	-37.93	6.22	-31.45	-16.92
1	48	61	0.24	-0.89	-0.61	-4.01e-02	-0.49	12.06	-37.53	6.86	-32.33	-15.19
1	48	62	0.19	-0.82	-0.61	-2.05e-02	-0.41	10.62	-37.67	6.88	-33.94	-12.90

1	48	63	0.17	-0.61	-0.43	-9.34e-03	-0.32	9.70	-38.36	7.36	-36.02	-10.34
1	48	64	0.24	-0.36	-0.12	4.27e-03	-0.29	7.52	-40.45	6.09	-39.02	-8.14
1	48	65	0.44	-0.54	-9.14e-02	-1.51e-02	-0.49	6.83	-39.90	6.68	-39.75	-2.60
1	49	1	2.23	0.49	2.23	0.49	-4.24e-02	-11.58	-446.01	-11.64	-445.96	4.76
1	49	2	9.07e-02	-1.25	-0.78	-0.38	-0.64	87.52	-114.11	-77.73	51.14	77.53
1	49	3	-4.49e-02	-1.16	-0.60	-0.61	0.56	31.63	-124.55	-84.68	-8.24	-68.10
1	49	4	1.81	0.90	1.80	0.91	0.10	-9.63	-485.97	-9.64	-485.97	1.83
1	49	5	4.40e-02	-1.08	-1.05	1.33e-02	-0.18	20.49	-136.66	-78.61	-37.57	75.85
1	49	6	-9.10e-02	-1.49	-1.37	-0.21	0.39	44.35	-124.52	-80.59	0.41	-74.09
1	49	9	1.15	-0.34	1.15	-0.34	-1.89e-02	-101.73	-455.74	-101.79	-455.67	4.91
1	49	10	0.78	-0.14	0.78	-0.13	-4.69e-02	1.14	-16.81	-3.52	-12.16	7.87
1	49	11	1.25	-4.69e-02	1.25	-4.69e-02	-7.62e-04	-92.63	-452.97	-92.82	-452.78	8.33
1	49	12	1.39	-0.25	1.34	-0.21	0.26	-3.11	-21.40	-9.58	-14.93	8.75
1	49	13	1.55	-1.26e-02	1.55	-1.25e-02	-1.27e-02	-94.36	-455.94	-94.71	-455.59	11.32
1	49	14	1.63	-0.29	1.57	-0.23	0.34	7.96e-02	-24.77	-9.76	-14.94	12.15
1	49	15	1.72	-3.12e-02	1.71	-3.10e-02	-1.94e-02	-95.96	-458.98	-96.47	-458.47	13.59
1	49	16	1.79	-0.30	1.71	-0.22	0.39	1.66	-28.11	-10.32	-16.13	14.60
1	49	17	1.64	-1.94e-02	1.64	-1.92e-02	-1.73e-02	-95.28	-460.82	-95.93	-460.17	15.43
1	49	18	1.85	-0.32	1.75	-0.22	0.45	3.36	-30.61	-9.40	-17.85	16.45
1	49	19	1.39	3.43e-03	1.39	3.54e-03	-1.27e-02	-93.30	-462.14	-94.10	-461.35	17.10
1	49	20	1.81	-0.35	1.68	-0.22	0.52	5.25	-32.90	-7.69	-19.96	18.06
1	49	21	1.21	-6.18e-03	1.21	-6.12e-03	-8.07e-03	-92.97	-464.57	-93.89	-463.65	18.42
1	49	22	1.67	-0.36	1.50	-0.18	0.57	7.10	-34.28	-6.53	-20.66	19.45
1	49	23	0.99	-2.04e-02	0.99	-2.04e-02	-4.02e-03	-92.78	-467.17	-93.76	-466.19	19.16
1	49	24	1.45	-0.38	1.24	-0.17	0.59	8.12	-35.73	-5.53	-22.08	20.31
1	49	25	0.62	-5.70e-03	0.62	-5.69e-03	-1.33e-03	-90.92	-468.84	-91.93	-467.83	19.52
1	49	26	1.21	-0.43	0.94	-0.16	0.60	9.47	-36.55	-3.30	-23.79	20.61
1	49	27	0.17	1.68e-02	0.17	1.68e-02	1.16e-03	-88.25	-470.06	-89.27	-469.04	19.67
1	49	28	0.97	-0.50	0.63	-0.16	0.62	10.94	-37.38	-0.72	-25.72	20.68
1	49	29	5.87e-03	-0.12	-0.12	5.72e-03	4.32e-03	-87.67	-472.44	-88.66	-471.46	19.42
1	49	30	0.74	-0.57	0.29	-0.12	0.62	11.89	-37.39	0.91	-26.41	20.51
1	49	31	-7.68e-03	-0.38	-0.38	-7.77e-03	5.95e-03	-87.46	-474.93	-88.35	-474.04	18.59
1	49	32	0.53	-0.66	-2.89e-02	-0.10	0.60	11.89	-37.66	2.09	-27.85	19.74
1	49	33	9.26e-03	-0.71	-0.71	9.22e-03	4.86e-03	-85.80	-476.44	-86.57	-475.67	17.36
1	49	34	0.38	-0.77	-0.30	-9.37e-02	0.56	12.32	-37.65	4.22	-29.55	18.41
1	49	35	3.09e-02	-1.02	-1.02	3.09e-02	5.08e-03	-83.83	-477.62	-84.47	-476.98	15.90
1	49	36	0.29	-0.85	-0.48	-8.18e-02	0.53	12.71	-37.93	6.22	-31.45	16.92
1	49	37	1.82e-02	-1.09	-1.09	1.82e-02	5.45e-03	-84.32	-480.09	-84.82	-479.59	14.11
1	49	38	0.24	-0.89	-0.61	-4.01e-02	0.49	12.06	-37.53	6.86	-32.33	15.19
1	49	39	9.00e-03	-1.05	-1.05	9.00e-03	8.91e-04	-85.12	-482.46	-85.47	-482.10	11.85
1	49	40	0.19	-0.82	-0.61	-2.05e-02	0.41	10.62	-37.67	6.88	-33.94	12.90
1	49	41	3.26e-02	-1.01	-1.01	3.26e-02	-2.70e-03	-84.59	-483.50	-84.81	-483.28	9.37
1	49	42	0.17	-0.61	-0.43	-9.34e-03	0.32	9.70	-38.36	7.36	-36.02	10.34
1	49	43	-3.25e-03	-0.79	-0.79	-3.51e-03	1.43e-02	-84.89	-484.58	-85.01	-484.46	6.93
1	49	44	0.24	-0.36	-0.12	4.27e-03	0.29	7.52	-40.45	6.09	-39.02	8.14
1	49	45	6.23e-02	-0.35	5.09e-02	-0.34	6.72e-02	-97.44	-492.13	-97.49	-492.09	4.26
1	49	46	0.44	-0.54	-9.14e-02	-1.51e-02	0.49	6.83	-39.90	6.68	-39.75	2.60
1	49	47	0.58	0.34	0.58	0.34	9.01e-03	48.57	9.79	9.84	48.52	1.47
1	49	48	1.11	5.86e-02	1.04	0.13	-0.26	46.54	8.55	9.86	45.24	6.92
1	49	49	1.29	-6.27e-03	1.18	0.11	-0.36	45.02	5.58	8.13	42.46	9.71
1	49	50	1.36	-3.61e-02	1.21	0.11	-0.43	43.99	1.91	5.82	40.08	12.21
1	49	51	1.33	-7.96e-02	1.14	0.11	-0.48	42.86	0.25	5.72	37.39	14.25
1	49	52	1.26	-0.13	1.00	0.13	-0.54	42.24	-0.35	6.67	35.22	15.80
1	49	53	1.11	-0.21	0.77	0.14	-0.58	40.92	-1.74	6.52	32.66	16.85
1	49	54	0.93	-0.31	0.48	0.14	-0.60	39.58	-3.04	6.33	30.21	17.65
1	49	55	0.76	-0.45	0.18	0.13	-0.60	38.30	-3.25	7.56	27.49	18.23
1	49	56	0.64	-0.62	-0.12	0.15	-0.62	37.29	-2.66	9.29	25.34	18.29
1	49	57	0.54	-0.83	-0.44	0.15	-0.61	35.18	-2.79	9.58	22.81	17.80
1	49	58	0.44	-1.03	-0.73	0.15	-0.59	32.83	-2.95	9.58	20.30	17.07
1	49	59	0.37	-1.20	-0.97	0.14	-0.55	30.62	-2.29	10.73	17.60	16.09
1	49	60	0.34	-1.31	-1.12	0.15	-0.52	28.37	-0.96	11.97	15.43	14.56
1	49	61	0.30	-1.37	-1.22	0.15	-0.48	24.87	-0.36	11.52	12.99	12.59
1	49	62	0.26	-1.32	-1.21	0.15	-0.41	21.31	0.13	10.79	10.64	10.59
1	49	63	0.23	-1.14	-1.06	0.15	-0.33	18.16	0.99	10.97	8.18	8.47
1	49	64	0.24	-0.82	-0.75	0.17	-0.26	13.41	1.88	9.39	5.90	5.49
1	49	65	0.42	-0.63	-0.49	0.28	-0.35	10.32	0.36	7.48	3.20	4.50
1	50	1	1.80	0.91	1.80	0.91	4.24e-02	-9.59	-486.01	-9.64	-485.97	-4.76
1	50	2	-0.15	-1.18	-1.12	-0.21	-0.24	6.71	-138.05	-83.07	-48.27	70.25
1	50	3	9.19e-02	-1.38	-1.30	1.43e-02	0.33	58.33	-123.35	-76.12	11.11	-79.68
1	50	4	2.24	0.49	2.23	0.49	-0.10	-11.63	-445.97	-11.64	-445.96	-1.83
1	50	5	-1.35e-02	-1.44	-0.84	-0.61	-0.70	73.64	-115.40	-82.19	40.44	71.94
1	50	6	4.48e-02	-0.96	-0.53	-0.39	0.50	45.62	-123.37	-80.22	2.46	-73.70
1	50	9	5.19e-02	-0.34	5.09e-02	-0.34	1.89e-02	-97.42	-492.15	-97.49	-492.09	-4.91
1	50	10	0.55	-0.56	-0.39	0.37	-0.40	16.73	9.10	13.76	12.06	-3.72
1	50	11	-3.51e-03	-0.79	-0.79	-3.51e-03	7.62e-04	-84.83	-484.64	-85.01	-484.46	-8.33

1	50	12	0.34	-0.67	-0.59	0.26	-0.28	24.86	6.13	17.46	13.52	-9.16
1	50	13	3.27e-02	-1.01	-1.01	3.26e-02	1.27e-02	-84.49	-483.60	-84.81	-483.28	-11.32
1	50	14	0.32	-1.02	-0.94	0.24	-0.31	28.43	4.46	18.11	14.78	-11.87
1	50	15	9.36e-03	-1.05	-1.05	9.00e-03	1.94e-02	-85.01	-482.57	-85.47	-482.10	-13.59
1	50	16	0.33	-1.26	-1.16	0.23	-0.39	31.25	2.12	16.91	16.46	-14.56
1	50	17	1.85e-02	-1.09	-1.09	1.82e-02	1.73e-02	-84.22	-480.19	-84.82	-479.59	-15.43
1	50	18	0.36	-1.36	-1.22	0.22	-0.47	34.01	0.69	16.75	17.95	-16.65
1	50	19	3.11e-02	-1.02	-1.02	3.09e-02	1.27e-02	-83.73	-477.72	-84.47	-476.98	-17.10
1	50	20	0.38	-1.32	-1.14	0.21	-0.52	36.12	-0.25	16.28	19.59	-18.11
1	50	21	9.31e-03	-0.71	-0.71	9.22e-03	8.07e-03	-85.70	-476.54	-86.57	-475.67	-18.42
1	50	22	0.40	-1.22	-1.00	0.18	-0.55	36.94	-2.26	14.00	20.68	-19.31
1	50	23	-7.73e-03	-0.38	-0.38	-7.77e-03	4.02e-03	-87.40	-474.99	-88.35	-474.04	-19.16
1	50	24	0.46	-1.04	-0.76	0.18	-0.59	38.06	-3.93	11.76	22.37	-20.31
1	50	25	5.74e-03	-0.12	-0.12	5.72e-03	1.33e-03	-87.66	-472.45	-88.66	-471.46	-19.52
1	50	26	0.55	-0.84	-0.46	0.17	-0.62	39.05	-4.54	10.67	23.84	-20.77
1	50	27	0.17	1.68e-02	0.17	1.68e-02	-1.16e-03	-88.25	-470.06	-89.27	-469.04	-19.67
1	50	28	0.64	-0.62	-0.12	0.15	-0.62	39.50	-4.87	9.29	25.34	-20.68
1	50	29	0.62	-5.72e-03	0.62	-5.69e-03	-4.32e-03	-90.93	-468.83	-91.93	-467.83	-19.42
1	50	30	0.76	-0.45	0.19	0.12	-0.61	39.13	-6.20	6.46	26.46	-20.34
1	50	31	0.99	-2.04e-02	0.99	-2.04e-02	-5.95e-03	-92.83	-467.11	-93.76	-466.19	-18.59
1	50	32	0.94	-0.32	0.51	0.11	-0.60	39.23	-6.95	4.14	28.14	-19.73
1	50	33	1.21	-6.14e-03	1.21	-6.12e-03	-4.86e-03	-93.07	-464.47	-93.89	-463.65	-17.36
1	50	34	1.12	-0.23	0.80	9.44e-02	-0.58	39.16	-6.33	3.25	29.58	-18.55
1	50	35	1.39	3.52e-03	1.39	3.54e-03	-5.08e-03	-93.41	-462.04	-94.10	-461.35	-15.90
1	50	36	1.26	-0.17	1.02	6.72e-02	-0.53	38.87	-5.44	2.36	31.07	-16.87
1	50	37	1.64	-1.93e-02	1.64	-1.92e-02	-5.45e-03	-95.39	-460.71	-95.93	-460.17	-14.11
1	50	38	1.31	-0.13	1.14	4.27e-02	-0.47	38.36	-5.44	0.49	32.43	-14.99
1	50	39	1.71	-3.10e-02	1.71	-3.10e-02	-8.91e-04	-96.08	-458.86	-96.47	-458.47	-11.85
1	50	40	1.29	-0.10	1.16	3.09e-02	-0.41	38.57	-4.60	-0.30	34.26	-12.94
1	50	41	1.55	-1.25e-02	1.55	-1.25e-02	2.70e-03	-94.47	-455.83	-94.71	-455.59	-9.37
1	50	42	1.17	-8.92e-02	1.06	1.63e-02	-0.35	38.84	-1.99	0.99	35.86	-10.62
1	50	43	1.25	-4.70e-02	1.25	-4.69e-02	-1.43e-02	-92.69	-452.91	-92.82	-452.78	-6.93
1	50	44	0.96	-3.92e-02	0.88	4.35e-02	-0.28	39.21	0.19	1.79	37.62	-7.73
1	50	45	1.15	-0.34	1.15	-0.34	-6.72e-02	-101.74	-455.72	-101.79	-455.67	-4.26
1	50	46	0.49	0.25	0.48	0.25	-3.92e-02	40.88	2.34	3.56	39.66	-6.75
1	50	47	0.29	-0.59	-0.19	-0.10	0.44	1.04	-49.25	0.40	-48.61	-5.61
1	50	48	0.11	-0.48	-0.28	-8.09e-02	0.28	-1.05	-47.57	-1.98	-46.64	-6.51
1	50	49	8.25e-02	-0.73	-0.55	-9.82e-02	0.34	2.44	-44.84	0.22	-42.62	-10.00
1	50	50	0.13	-0.89	-0.66	-0.10	0.43	4.18	-43.17	0.77	-39.75	-12.25
1	50	51	0.20	-0.92	-0.61	-0.11	0.50	6.18	-41.83	1.63	-37.29	-14.05
1	50	52	0.26	-0.87	-0.46	-0.14	0.54	7.66	-41.34	1.92	-35.60	-15.75
1	50	53	0.37	-0.77	-0.26	-0.14	0.57	8.05	-39.73	0.96	-32.64	-16.99
1	50	54	0.53	-0.66	-5.72e-04	-0.13	0.60	8.09	-38.12	-9.56e-02	-29.93	-17.64
1	50	55	0.75	-0.57	0.31	-0.13	0.62	8.82	-36.44	-0.18	-27.44	-18.06
1	50	56	0.97	-0.50	0.63	-0.16	0.62	8.93	-35.37	-0.72	-25.72	-18.29
1	50	57	1.19	-0.42	0.93	-0.15	0.60	8.22	-33.18	-2.20	-22.76	-17.96
1	50	58	1.43	-0.36	1.21	-0.14	0.59	7.32	-30.68	-3.35	-20.01	-17.08
1	50	59	1.65	-0.32	1.47	-0.14	0.57	7.07	-27.90	-3.26	-17.57	-15.96
1	50	60	1.80	-0.30	1.66	-0.16	0.52	6.28	-25.48	-3.39	-15.81	-14.61
1	50	61	1.86	-0.26	1.75	-0.15	0.46	4.99	-22.05	-4.17	-12.89	-12.79
1	50	62	1.85	-0.22	1.76	-0.14	0.41	3.72	-18.25	-4.20	-10.32	-10.55
1	50	63	1.75	-0.21	1.69	-0.14	0.35	3.19	-14.14	-2.61	-8.34	-8.18
1	50	64	1.54	-0.16	1.50	-0.12	0.25	2.17	-10.98	-1.51	-7.31	-5.90
1	50	65	0.89	-5.54e-02	0.88	-4.57e-02	-9.51e-02	2.78	-3.32	2.76	-3.30	-0.35
1	51	1	1.80	0.91	1.80	0.91	-4.24e-02	-9.59	-486.01	-9.64	-485.97	4.76
1	51	2	9.19e-02	-1.38	-1.30	1.43e-02	-0.33	58.33	-123.35	-76.12	11.11	79.68
1	51	3	-0.15	-1.18	-1.12	-0.21	0.24	6.71	-138.05	-83.07	-48.27	-70.25
1	51	4	2.24	0.49	2.23	0.49	0.10	-11.63	-445.97	-11.64	-445.96	1.83
1	51	5	4.48e-02	-0.96	-0.53	-0.39	-0.50	45.62	-123.37	-80.22	2.46	73.70
1	51	6	-1.35e-02	-1.44	-0.84	-0.61	0.70	73.64	-115.40	-82.19	40.44	-71.94
1	51	9	5.19e-02	-0.34	5.09e-02	-0.34	-1.89e-02	-97.42	-492.15	-97.49	-492.09	4.91
1	51	10	0.29	-0.59	-0.19	-0.10	-0.44	1.04	-49.25	0.40	-48.61	5.61
1	51	11	-3.51e-03	-0.79	-0.79	-3.51e-03	-7.62e-04	-84.83	-484.64	-85.01	-484.46	8.33
1	51	12	0.11	-0.48	-0.28	-8.09e-02	-0.28	-1.05	-47.57	-1.98	-46.64	6.51
1	51	13	3.27e-02	-1.01	-1.01	3.26e-02	-1.27e-02	-84.49	-483.60	-84.81	-483.28	11.32
1	51	14	8.25e-02	-0.73	-0.55	-9.82e-02	-0.34	2.44	-44.84	0.22	-42.62	10.00
1	51	15	9.36e-03	-1.05	-1.05	9.00e-03	-1.94e-02	-85.01	-482.57	-85.47	-482.10	13.59
1	51	16	0.13	-0.89	-0.66	-0.10	-0.43	4.18	-43.17	0.77	-39.75	12.25
1	51	17	1.85e-02	-1.09	-1.09	1.82e-02	-1.73e-02	-84.22	-480.19	-84.82	-479.59	15.43
1	51	18	0.20	-0.92	-0.61	-0.11	-0.50	6.18	-41.83	1.63	-37.29	14.05
1	51	19	3.11e-02	-1.02	-1.02	3.09e-02	-1.27e-02	-83.73	-477.72	-84.47	-476.98	17.10
1	51	20	0.26	-0.87	-0.46	-0.14	-0.54	7.66	-41.34	1.92	-35.60	15.75
1	51	21	9.31e-03	-0.71	-0.71	9.22e-03	-8.07e-03	-85.70	-476.54	-86.57	-475.67	18.42
1	51	22	0.37	-0.77	-0.26	-0.14	-0.57	8.05	-39.73	0.96	-32.64	16.99
1	51	23	-7.73e-03	-0.38	-0.38	-7.77e-03	-4.02e-03	-87.40	-474.99	-88.35	-474.04	19.16

1	51	24	0.53	-0.66	-5.72e-04	-0.13	-0.60	8.09	-38.12	-9.56e-02	-29.93	17.64
1	51	25	5.74e-03	-0.12	-0.12	5.72e-03	-1.33e-03	-87.66	-472.45	-88.66	-471.46	19.52
1	51	26	0.75	-0.57	0.31	-0.13	-0.62	8.82	-36.44	-0.18	-27.44	18.06
1	51	27	0.17	1.68e-02	0.17	1.68e-02	1.16e-03	-88.25	-470.06	-89.27	-469.04	19.67
1	51	28	0.97	-0.50	0.63	-0.16	-0.62	8.93	-35.37	-0.72	-25.72	18.29
1	51	29	0.62	-5.72e-03	0.62	-5.69e-03	4.32e-03	-90.93	-468.83	-91.93	-467.83	19.42
1	51	30	1.19	-0.42	0.93	-0.15	-0.60	8.22	-33.18	-2.20	-22.76	17.96
1	51	31	0.99	-2.04e-02	0.99	-2.04e-02	5.95e-03	-92.83	-467.11	-93.76	-466.19	18.59
1	51	32	1.43	-0.36	1.21	-0.14	-0.59	7.32	-30.68	-3.35	-20.01	17.08
1	51	33	1.21	-6.14e-03	1.21	-6.12e-03	4.86e-03	-93.07	-464.47	-93.89	-463.65	17.36
1	51	34	1.65	-0.32	1.47	-0.14	-0.57	7.07	-27.90	-3.26	-17.57	15.96
1	51	35	1.39	3.52e-03	1.39	3.54e-03	5.08e-03	-93.41	-462.04	-94.10	-461.35	15.90
1	51	36	1.80	-0.30	1.66	-0.16	-0.52	6.28	-25.48	-3.39	-15.81	14.61
1	51	37	1.64	-1.93e-02	1.64	-1.92e-02	5.45e-03	-95.39	-460.71	-95.93	-460.17	14.11
1	51	38	1.86	-0.26	1.75	-0.15	-0.46	4.99	-22.05	-4.17	-12.89	12.79
1	51	39	1.71	-3.10e-02	1.71	-3.10e-02	8.91e-04	-96.08	-458.86	-96.47	-458.47	11.85
1	51	40	1.85	-0.22	1.76	-0.14	-0.41	3.72	-18.25	-4.20	-10.32	10.55
1	51	41	1.55	-1.25e-02	1.55	-1.25e-02	-2.70e-03	-94.47	-455.83	-94.71	-455.59	9.37
1	51	42	1.75	-0.21	1.69	-0.14	-0.35	3.19	-14.14	-2.61	-8.34	8.18
1	51	43	1.25	-4.70e-02	1.25	-4.69e-02	1.43e-02	-92.69	-452.91	-92.82	-452.78	6.93
1	51	44	1.54	-0.16	1.50	-0.12	-0.25	2.17	-10.98	-1.51	-7.31	5.90
1	51	45	1.15	-0.34	1.15	-0.34	6.72e-02	-101.74	-455.72	-101.79	-455.67	4.26
1	51	46	0.89	-5.54e-02	0.88	-4.57e-02	9.51e-02	2.78	-3.32	2.76	-3.30	0.35
1	51	47	0.55	-0.56	-0.39	0.37	0.40	16.73	9.10	13.76	12.06	3.72
1	51	49	0.32	-1.02	-0.94	0.24	0.31	28.43	4.46	18.11	14.78	11.87
1	51	50	0.33	-1.26	-1.16	0.23	0.39	31.25	2.12	16.91	16.46	14.56
1	51	51	0.36	-1.36	-1.22	0.22	0.47	34.01	0.69	16.75	17.95	16.65
1	51	52	0.38	-1.32	-1.14	0.21	0.52	36.12	-0.25	16.28	19.59	18.11
1	51	53	0.40	-1.22	-1.00	0.18	0.55	36.94	-2.26	14.00	20.68	19.31
1	51	54	0.46	-1.04	-0.76	0.18	0.59	38.06	-3.93	11.76	22.37	20.31
1	51	55	0.55	-0.84	-0.46	0.17	0.62	39.05	-4.54	10.67	23.84	20.77
1	51	56	0.64	-0.62	-0.12	0.15	0.62	39.50	-4.87	9.29	25.34	20.68
1	51	57	0.76	-0.45	0.19	0.12	0.61	39.13	-6.20	6.46	26.46	20.34
1	51	58	0.94	-0.32	0.51	0.11	0.60	39.23	-6.95	4.14	28.14	19.73
1	51	59	1.12	-0.23	0.80	9.44e-02	0.58	39.16	-6.33	3.25	29.58	18.55
1	51	60	1.26	-0.17	1.02	6.72e-02	0.53	38.87	-5.44	2.36	31.07	16.87
1	51	61	1.31	-0.13	1.14	4.27e-02	0.47	38.36	-5.44	0.49	32.43	14.99
1	51	62	1.29	-0.10	1.16	3.09e-02	0.41	38.57	-4.60	-0.30	34.26	12.94
1	51	63	1.17	-8.92e-02	1.06	1.63e-02	0.35	38.84	-1.99	0.99	35.86	10.62
1	51	64	0.96	-3.92e-02	0.88	4.35e-02	0.28	39.21	0.19	1.79	37.62	7.73
1	51	65	0.49	0.25	0.48	0.25	3.92e-02	40.88	2.34	3.56	39.66	6.75
1	52	1	2.16	0.56	2.08	0.64	0.34	-10.85	-460.05	-10.94	-459.96	6.10
1	52	2	6.67e-02	-0.40	-0.35	1.44e-02	-0.15	10.65	-143.85	-77.35	-55.85	76.50
1	52	3	-0.16	-1.96	-1.39	-0.73	0.83	98.14	-111.34	-83.93	70.73	-70.64
1	52	4	1.97	0.75	1.95	0.77	-0.14	-9.79	-472.51	-10.34	-471.96	15.86
1	52	5	0.31	-1.51	-1.33	0.14	-0.54	134.27	-108.45	-68.58	94.39	89.93
1	52	6	-0.41	-0.93	-0.72	-0.61	0.25	-38.84	-156.43	-91.74	-103.53	-58.50
1	52	9	0.81	-0.38	0.77	-0.34	0.22	-99.74	-468.96	-100.29	-468.41	14.21
1	52	10	0.62	-0.32	-0.32	0.62	5.82e-02	79.76	3.12	5.87	77.01	14.25
1	52	11	0.54	-3.56e-02	0.54	-3.17e-02	4.76e-02	-88.67	-465.29	-90.09	-463.87	23.08
1	52	12	0.30	-0.44	-0.42	0.28	0.12	85.67	1.56	8.30	78.93	22.85
1	52	13	0.66	3.15e-03	0.66	3.28e-03	-8.99e-03	-88.66	-467.87	-91.25	-465.28	31.22
1	52	14	0.26	-0.43	-0.41	0.25	0.11	90.15	-3.72	8.69	77.73	31.81
1	52	15	0.75	-1.70e-02	0.75	-1.70e-02	2.97e-03	-88.49	-470.87	-92.62	-466.74	39.52
1	52	16	0.30	-0.40	-0.37	0.27	0.13	95.82	-9.67	8.15	78.01	39.52
1	52	17	0.69	-6.62e-03	0.68	-6.15e-03	1.82e-02	-86.23	-472.77	-92.04	-466.96	47.03
1	52	18	0.34	-0.43	-0.40	0.31	0.15	102.01	-13.72	9.78	78.50	46.56
1	52	19	0.55	1.26e-02	0.55	1.31e-02	1.69e-02	-83.40	-474.15	-90.73	-466.82	53.02
1	52	20	0.40	-0.51	-0.47	0.36	0.17	109.12	-16.39	12.43	80.29	52.79
1	52	21	0.54	-1.24e-03	0.54	-7.53e-04	1.62e-02	-82.64	-476.55	-91.33	-467.86	57.85
1	52	22	0.42	-0.64	-0.60	0.38	0.19	113.84	-19.97	13.47	80.39	57.94
1	52	23	0.51	-1.67e-02	0.51	-1.60e-02	1.98e-02	-81.95	-478.86	-91.87	-468.93	61.96
1	52	24	0.45	-0.78	-0.75	0.42	0.20	118.37	-22.02	14.78	81.57	61.74
1	52	25	0.36	-2.27e-03	0.36	-1.70e-03	1.44e-02	-80.01	-479.88	-90.79	-469.10	64.75
1	52	26	0.47	-0.92	-0.89	0.45	0.19	122.03	-21.75	17.67	82.61	64.14
1	52	27	0.17	1.67e-02	0.17	1.68e-02	3.86e-03	-78.26	-480.04	-89.27	-469.04	65.57
1	52	28	0.52	-1.03	-1.01	0.50	0.19	125.66	-19.77	20.97	84.91	65.31
1	52	29	0.14	1.58e-03	0.14	1.73e-03	-4.44e-03	-78.98	-481.01	-89.80	-470.19	65.06
1	52	30	0.52	-1.15	-1.13	0.50	0.19	125.94	-18.75	22.24	84.95	65.20
1	52	31	9.88e-02	-1.38e-02	9.72e-02	-1.22e-02	-1.34e-02	-79.82	-481.71	-90.25	-471.29	63.87
1	52	32	0.54	-1.23	-1.22	0.53	0.16	125.82	-16.00	23.70	86.12	63.67
1	52	33	1.70e-02	-5.10e-02	-3.79e-02	3.85e-03	-2.69e-02	-79.52	-481.08	-89.13	-471.46	61.40
1	52	34	0.55	-1.25	-1.24	0.54	0.14	124.74	-11.07	26.59	87.08	60.80
1	52	35	3.01e-02	-0.18	-0.17	2.13e-02	-4.23e-02	-79.55	-479.80	-87.84	-471.51	57.01
1	52	36	0.60	-1.20	-1.19	0.59	0.12	123.74	-4.64	29.67	89.44	56.81



1	52	37	2.61e-02	-0.15	-0.13	5.08e-03	-5.77e-02	-81.94	-479.56	-88.71	-472.79	51.43
1	52	38	0.58	-1.11	-1.10	0.57	9.27e-02	119.24	0.48	30.52	89.20	51.63
1	52	39	3.17e-02	-0.12	-8.19e-02	-5.01e-03	-6.46e-02	-84.05	-479.10	-89.32	-473.83	45.31
1	52	40	0.58	-0.92	-0.92	0.58	5.65e-02	114.76	7.42	31.86	90.31	45.02
1	52	41	2.96e-02	-0.12	-0.11	1.68e-02	-4.23e-02	-84.62	-477.25	-88.28	-473.59	37.73
1	52	42	0.59	-0.65	-0.65	0.58	4.67e-02	109.54	17.38	35.49	91.43	36.63
1	52	43	-1.86e-02	-7.52e-02	-7.51e-02	-1.87e-02	-2.54e-03	-85.75	-475.36	-87.74	-473.37	27.76
1	52	44	0.61	-0.38	-0.37	0.60	8.62e-02	105.30	27.00	37.48	94.82	26.65
1	52	45	0.44	-0.34	0.44	-0.34	-6.31e-02	-98.29	-480.04	-98.99	-479.34	16.37
1	52	46	0.96	-0.32	-0.28	0.92	0.22	98.33	25.26	27.97	95.61	13.82
1	52	47	1.10	-0.49	1.00	-0.39	0.39	4.46	-67.43	3.20	-66.17	9.42
1	52	48	1.66	-0.27	1.66	-0.27	-2.52e-02	4.11	-77.63	-2.70	-70.82	22.59
1	52	49	1.68	-0.29	1.67	-0.28	-0.12	8.83	-81.75	-3.33	-69.59	30.88
1	52	50	1.65	-0.30	1.64	-0.30	-0.12	13.08	-88.56	-4.88	-70.60	38.78
1	52	51	1.65	-0.34	1.64	-0.34	-0.12	17.73	-96.05	-5.74	-72.57	46.04
1	52	52	1.67	-0.41	1.66	-0.40	-0.14	21.24	-103.95	-6.73	-75.98	52.15
1	52	53	1.64	-0.41	1.63	-0.40	-0.16	24.05	-109.07	-8.24	-76.77	57.07
1	52	54	1.61	-0.43	1.60	-0.42	-0.16	25.42	-114.53	-10.18	-78.93	60.95
1	52	55	1.58	-0.47	1.57	-0.46	-0.16	26.26	-118.95	-11.23	-81.46	63.54
1	52	56	1.54	-0.53	1.52	-0.51	-0.18	25.32	-123.01	-12.40	-85.29	64.59
1	52	57	1.45	-0.51	1.43	-0.49	-0.20	23.71	-123.64	-13.93	-85.99	64.26
1	52	58	1.34	-0.52	1.32	-0.51	-0.19	20.52	-124.54	-15.84	-88.19	62.86
1	52	59	1.23	-0.55	1.21	-0.53	-0.19	16.84	-124.36	-16.88	-90.65	60.20
1	52	60	1.11	-0.60	1.09	-0.58	-0.20	11.47	-124.17	-18.20	-94.51	56.07
1	52	61	0.95	-0.57	0.93	-0.54	-0.21	5.70	-120.49	-19.86	-94.93	50.71
1	52	62	0.79	-0.56	0.76	-0.54	-0.19	-1.39	-117.63	-21.95	-97.07	44.35
1	52	63	0.65	-0.55	0.64	-0.54	-0.13	-9.58	-114.45	-24.14	-99.89	36.26
1	52	64	0.65	-0.52	0.64	-0.52	-9.12e-02	-19.71	-113.34	-27.31	-105.74	25.57
1	52	65	0.48	-0.78	0.37	-0.67	-0.35	-13.35	-109.84	-16.55	-106.64	17.30
1	53	1	2.16	0.56	2.08	0.64	-0.34	-10.85	-460.05	-10.94	-459.96	-6.10
1	53	2	-0.16	-1.96	-1.39	-0.73	-0.83	98.14	-111.34	-83.93	70.73	70.64
1	53	3	6.67e-02	-0.40	-0.35	1.44e-02	0.15	10.65	-143.85	-77.35	-55.85	-76.50
1	53	4	1.97	0.75	1.95	0.77	0.14	-9.79	-472.51	-10.34	-471.96	-15.86
1	53	5	-0.41	-0.93	-0.72	-0.61	-0.25	-38.84	-156.43	-91.74	-103.53	58.50
1	53	6	0.31	-1.51	-1.33	0.14	0.54	134.27	-108.45	-68.58	94.39	-89.93
1	53	9	0.81	-0.38	0.77	-0.34	-0.22	-99.74	-468.96	-100.29	-468.41	-14.21
1	53	10	1.10	-0.49	1.00	-0.39	-0.39	4.46	-67.43	3.20	-66.17	-9.42
1	53	11	0.54	-3.56e-02	0.54	-3.17e-02	-4.76e-02	-88.67	-465.29	-90.09	-463.87	-23.08
1	53	12	1.66	-0.27	1.66	-0.27	2.52e-02	4.11	-77.63	-2.70	-70.82	-22.59
1	53	13	0.66	3.15e-03	0.66	3.28e-03	8.99e-03	-88.66	-467.87	-91.25	-465.28	-31.22
1	53	14	1.68	-0.29	1.67	-0.28	0.12	8.83	-81.75	-3.33	-69.59	-30.88
1	53	15	0.75	-1.70e-02	0.75	-1.70e-02	-2.97e-03	-88.49	-470.87	-92.62	-466.74	-39.52
1	53	16	1.65	-0.30	1.64	-0.30	0.12	13.08	-88.56	-4.88	-70.60	-38.78
1	53	17	0.69	-6.62e-03	0.68	-6.15e-03	-1.82e-02	-86.23	-472.77	-92.04	-466.96	-47.03
1	53	18	1.65	-0.34	1.64	-0.34	0.12	17.73	-96.05	-5.74	-72.57	-46.04
1	53	19	0.55	1.26e-02	0.55	1.31e-02	-1.69e-02	-83.40	-474.15	-90.73	-466.82	-53.02
1	53	20	1.67	-0.41	1.66	-0.40	0.14	21.24	-103.95	-6.73	-75.98	-52.15
1	53	21	0.54	-1.24e-03	0.54	-7.53e-04	-1.62e-02	-82.64	-476.55	-91.33	-467.86	-57.85
1	53	22	1.64	-0.41	1.63	-0.40	0.16	24.05	-109.07	-8.24	-76.77	-57.07
1	53	23	0.51	-1.67e-02	0.51	-1.60e-02	-1.98e-02	-81.95	-478.86	-91.87	-468.93	-61.96
1	53	24	1.61	-0.43	1.60	-0.42	0.16	25.42	-114.53	-10.18	-78.93	-60.95
1	53	25	0.36	-2.27e-03	0.36	-1.70e-03	-1.44e-02	-80.01	-479.88	-90.79	-469.10	-64.75
1	53	26	1.58	-0.47	1.57	-0.46	0.16	26.26	-118.95	-11.23	-81.46	-63.54
1	53	27	0.17	1.67e-02	0.17	1.68e-02	-3.86e-03	-78.26	-480.04	-89.27	-469.04	-65.57
1	53	28	1.54	-0.53	1.52	-0.51	0.18	25.32	-123.01	-12.40	-85.29	-64.59
1	53	29	0.14	1.58e-03	0.14	1.73e-03	4.44e-03	-78.98	-481.01	-89.80	-470.19	-65.06
1	53	30	1.45	-0.51	1.43	-0.49	0.20	23.71	-123.64	-13.93	-85.99	-64.26
1	53	31	9.88e-02	-1.38e-02	9.72e-02	-1.22e-02	1.34e-02	-79.82	-481.71	-90.25	-471.29	-63.87
1	53	32	1.34	-0.52	1.32	-0.51	0.19	20.52	-124.54	-15.84	-88.19	-62.86
1	53	33	1.70e-02	-5.10e-02	-3.79e-02	3.85e-03	2.69e-02	-79.52	-481.08	-89.13	-471.46	-61.40
1	53	34	1.23	-0.55	1.21	-0.53	0.19	16.84	-124.36	-16.88	-90.65	-60.20
1	53	35	3.01e-02	-0.18	-0.17	2.13e-02	4.23e-02	-79.55	-479.80	-87.84	-471.51	-57.01
1	53	36	1.11	-0.60	1.09	-0.58	0.20	11.47	-124.17	-18.20	-94.51	-56.07
1	53	37	2.61e-02	-0.15	-0.13	5.08e-03	5.77e-02	-81.94	-479.56	-88.71	-472.79	-51.43
1	53	38	0.95	-0.57	0.93	-0.54	0.21	5.70	-120.49	-19.86	-94.93	-50.71
1	53	39	3.17e-02	-0.12	-8.19e-02	-5.01e-03	6.46e-02	-84.05	-479.10	-89.32	-473.83	-45.31
1	53	40	0.79	-0.56	0.76	-0.54	0.19	-1.39	-117.63	-21.95	-97.07	-44.35
1	53	41	2.96e-02	-0.12	-0.11	1.68e-02	4.23e-02	-84.62	-477.25	-88.28	-473.59	-37.73
1	53	42	0.65	-0.55	0.64	-0.54	0.13	-9.58	-114.45	-24.14	-99.89	-36.26
1	53	43	-1.86e-02	-7.52e-02	-7.51e-02	-1.87e-02	2.54e-03	-85.75	-475.36	-87.74	-473.37	-27.76
1	53	44	0.65	-0.52	0.64	-0.52	9.12e-02	-19.71	-113.34	-27.31	-105.74	-25.57
1	53	45	0.44	-0.34	0.44	-0.34	6.31e-02	-98.29	-480.04	-98.99	-479.34	-16.37
1	53	46	0.48	-0.78	0.37	-0.67	0.35	-13.35	-109.84	-16.55	-106.64	-17.30
1	53	47	0.62	-0.32	-0.32	0.62	-5.82e-02	79.76	3.12	5.87	77.01	-14.25
1	53	48	0.30	-0.44	-0.42	0.28	-0.12	85.67	1.56	8.30	78.93	-22.85

1	53	49	0.26	-0.43	-0.41	0.25	-0.11	90.15	-3.72	8.69	77.73	-31.81
1	53	50	0.30	-0.40	-0.37	0.27	-0.13	95.82	-9.67	8.15	78.01	-39.52
1	53	51	0.34	-0.43	-0.40	0.31	-0.15	102.01	-13.72	9.78	78.50	-46.56
1	53	52	0.40	-0.51	-0.47	0.36	-0.17	109.12	-16.39	12.43	80.29	-52.79
1	53	53	0.42	-0.64	-0.60	0.38	-0.19	113.84	-19.97	13.47	80.39	-57.94
1	53	54	0.45	-0.78	-0.75	0.42	-0.20	118.37	-22.02	14.78	81.57	-61.74
1	53	55	0.47	-0.92	-0.89	0.45	-0.19	122.03	-21.75	17.67	82.61	-64.14
1	53	56	0.52	-1.03	-1.01	0.50	-0.19	125.66	-19.77	20.97	84.91	-65.31
1	53	57	0.52	-1.15	-1.13	0.50	-0.19	125.94	-18.75	22.24	84.95	-65.20
1	53	58	0.54	-1.23	-1.22	0.53	-0.16	125.82	-16.00	23.70	86.12	-63.67
1	53	59	0.55	-1.25	-1.24	0.54	-0.14	124.74	-11.07	26.59	87.08	-60.80
1	53	60	0.60	-1.20	-1.19	0.59	-0.12	123.74	-4.64	29.67	89.44	-56.81
1	53	61	0.58	-1.11	-1.10	0.57	-9.27e-02	119.24	0.48	30.52	89.20	-51.63
1	53	62	0.58	-0.92	-0.92	0.58	-5.65e-02	114.76	7.42	31.86	90.31	-45.02
1	53	63	0.59	-0.65	-0.65	0.58	-4.67e-02	109.54	17.38	35.49	91.43	-36.63
1	53	64	0.61	-0.38	-0.37	0.60	-8.62e-02	105.30	27.00	37.48	94.82	-26.65
1	53	65	0.96	-0.32	-0.28	0.92	-0.22	98.33	25.26	27.97	95.61	-13.82
1	54	1	2.05	0.67	1.95	0.77	0.34	-10.26	-472.04	-10.34	-471.96	6.10
1	54	2	0.14	-0.51	-0.50	0.13	-5.28e-02	4.92	-149.64	-76.87	-67.86	77.15
1	54	3	-0.20	-1.96	-1.55	-0.61	0.74	88.31	-113.04	-83.45	58.72	-71.28
1	54	4	2.10	0.63	2.08	0.64	-0.14	-10.38	-460.52	-10.94	-459.96	15.86
1	54	5	0.29	-1.45	-1.17	1.76e-02	-0.63	143.85	-106.50	-69.06	106.40	89.29
1	54	6	-0.29	-1.01	-0.57	-0.73	0.35	-34.02	-149.73	-92.22	-91.52	-57.85
1	54	9	0.50	-0.40	0.44	-0.34	0.22	-98.46	-479.87	-98.99	-479.34	14.21
1	54	10	0.63	-0.61	-0.61	0.62	-5.99e-02	69.05	4.07	7.05	66.08	13.57
1	54	11	8.42e-03	-0.10	-7.51e-02	-1.87e-02	4.76e-02	-86.36	-474.75	-87.74	-473.37	23.08
1	54	12	0.32	-0.91	-0.90	0.32	-4.11e-02	76.84	3.16	10.58	69.41	22.18
1	54	13	1.74e-02	-0.11	-0.11	1.68e-02	-8.99e-03	-85.76	-476.10	-88.28	-473.59	31.22
1	54	14	0.30	-1.05	-1.05	0.29	-9.80e-02	83.04	-1.92	11.69	69.43	31.16
1	54	15	-4.89e-03	-8.21e-02	-8.19e-02	-5.01e-03	2.97e-03	-85.30	-477.85	-89.32	-473.83	39.52
1	54	16	0.32	-1.10	-1.09	0.31	-0.12	90.09	-7.69	11.47	70.92	38.81
1	54	17	7.45e-03	-0.13	-0.13	5.08e-03	1.82e-02	-83.04	-478.47	-88.71	-472.79	47.03
1	54	18	0.35	-1.12	-1.11	0.34	-0.13	97.55	-11.79	13.09	72.67	45.84
1	54	19	2.28e-02	-0.18	-0.17	2.13e-02	1.69e-02	-80.65	-478.70	-87.84	-471.51	53.02
1	54	20	0.40	-1.13	-1.12	0.39	-0.14	105.65	-14.73	15.32	75.60	52.10
1	54	21	9.40e-03	-4.34e-02	-3.79e-02	3.85e-03	1.62e-02	-80.57	-480.03	-89.13	-471.46	57.85
1	54	22	0.41	-1.14	-1.13	0.40	-0.15	111.10	-18.59	15.72	76.80	57.20
1	54	23	0.10	-1.57e-02	9.72e-02	-1.22e-02	1.98e-02	-80.42	-481.11	-90.25	-471.29	61.96
1	54	24	0.45	-1.14	-1.12	0.43	-0.16	116.37	-20.74	16.41	79.22	60.94
1	54	25	0.14	2.10e-04	0.14	1.73e-03	1.44e-02	-79.08	-480.91	-89.80	-470.19	64.75
1	54	26	0.48	-1.10	-1.08	0.46	-0.18	120.81	-20.70	18.60	81.51	63.38
1	54	27	0.17	1.67e-02	0.17	1.68e-02	3.86e-03	-78.26	-480.04	-89.27	-469.04	65.57
1	54	28	0.52	-1.03	-1.01	0.50	-0.18	125.01	-19.13	20.97	84.91	64.59
1	54	29	0.36	-1.75e-03	0.36	-1.70e-03	-4.44e-03	-79.91	-479.98	-90.79	-469.10	65.06
1	54	30	0.52	-0.96	-0.94	0.49	-0.18	125.78	-18.43	21.31	86.04	64.43
1	54	31	0.51	-1.63e-02	0.51	-1.60e-02	-1.34e-02	-81.34	-479.46	-91.87	-468.93	63.87
1	54	32	0.54	-0.87	-0.84	0.51	-0.19	126.37	-15.83	22.07	88.48	62.87
1	54	33	0.54	-2.09e-03	0.54	-7.53e-04	-2.69e-02	-81.57	-477.62	-91.33	-467.86	61.40
1	54	34	0.56	-0.74	-0.71	0.53	-0.20	126.12	-11.10	24.35	90.67	60.06
1	54	35	0.55	9.80e-03	0.55	1.31e-02	-4.23e-02	-82.27	-475.27	-90.73	-466.82	57.01
1	54	36	0.60	-0.58	-0.55	0.56	-0.20	125.90	-4.99	26.78	94.13	56.12
1	54	37	0.69	-1.09e-02	0.68	-6.15e-03	-5.77e-02	-85.12	-473.89	-92.04	-466.96	51.43
1	54	38	0.58	-0.43	-0.39	0.54	-0.19	122.29	-4.99e-02	27.21	95.03	50.91
1	54	39	0.75	-2.24e-02	0.75	-1.70e-02	-6.46e-02	-87.21	-472.15	-92.62	-466.74	45.31
1	54	40	0.59	-0.26	-0.21	0.55	-0.19	119.08	6.85	28.54	97.40	44.32
1	54	41	0.66	5.53e-04	0.66	3.28e-03	-4.23e-02	-87.48	-469.05	-91.25	-465.28	37.73
1	54	42	0.59	-5.18e-02	-1.07e-02	0.54	-0.16	115.36	16.88	32.50	99.73	35.98
1	54	43	0.54	-3.17e-02	0.54	-3.17e-02	-2.54e-03	-88.04	-465.92	-90.09	-463.87	27.76
1	54	44	0.58	0.10	0.11	0.56	-7.54e-02	113.01	26.52	35.20	104.33	25.98
1	54	45	0.77	-0.34	0.77	-0.34	-6.31e-02	-99.56	-469.14	-100.29	-468.41	16.37
1	54	46	0.92	3.29e-03	1.49e-02	0.91	0.10	108.66	24.69	26.80	106.55	13.15
1	54	47	0.91	-0.58	0.71	-0.38	0.51	5.61	-78.34	4.37	-77.11	10.10
1	54	48	1.19	-0.25	1.17	-0.23	0.14	5.86	-86.61	-0.42	-80.33	23.26
1	54	49	1.04	-0.25	1.04	-0.24	8.00e-02	10.86	-89.09	-0.34	-77.89	31.52
1	54	50	0.94	-0.27	0.93	-0.26	0.12	15.22	-94.46	-1.56	-77.68	39.48
1	54	51	0.96	-0.33	0.93	-0.30	0.17	19.83	-100.66	-2.43	-78.41	46.76
1	54	52	1.03	-0.40	1.01	-0.38	0.18	23.06	-107.58	-3.85	-80.67	52.84
1	54	53	1.12	-0.40	1.10	-0.38	0.18	25.55	-111.91	-6.00	-80.37	57.80
1	54	54	1.25	-0.43	1.23	-0.41	0.20	26.75	-116.57	-8.55	-81.28	61.75
1	54	55	1.40	-0.47	1.38	-0.45	0.21	27.34	-120.19	-10.29	-82.56	64.31
1	54	56	1.54	-0.53	1.52	-0.51	0.19	25.94	-123.64	-12.40	-85.29	65.31
1	54	57	1.63	-0.52	1.62	-0.50	0.17	23.97	-123.74	-14.87	-84.89	65.03
1	54	58	1.71	-0.53	1.70	-0.52	0.16	20.61	-123.91	-17.47	-85.84	63.66
1	54	59	1.75	-0.55	1.74	-0.54	0.15	16.68	-122.85	-19.12	-87.05	60.94
1	54	60	1.74	-0.61	1.73	-0.60	0.12	10.91	-121.80	-21.08	-89.82	56.76

1	54	61	1.64	-0.57	1.63	-0.57	7.71e-02	4.95	-117.22	-23.17	-89.10	51.43
1	54	62	1.48	-0.57	1.47	-0.57	6.04e-02	-2.16	-113.10	-25.28	-89.98	45.06
1	54	63	1.28	-0.58	1.28	-0.58	7.19e-02	-10.36	-108.36	-27.14	-91.59	36.91
1	54	64	1.13	-0.56	1.13	-0.56	7.03e-02	-20.50	-105.32	-29.59	-96.22	26.24
1	54	65	0.70	-0.72	0.67	-0.68	-0.23	-13.79	-99.64	-17.73	-95.70	17.97
1	55	1	2.05	0.67	1.95	0.77	-0.34	-10.26	-472.04	-10.34	-471.96	-6.10
1	55	2	-0.20	-1.96	-1.55	-0.61	-0.74	88.31	-113.04	-83.45	58.72	71.28
1	55	3	0.14	-0.51	-0.50	0.13	5.28e-02	4.92	-149.64	-76.87	-67.86	-77.15
1	55	4	2.10	0.63	2.08	0.64	0.14	-10.38	-460.52	-10.94	-459.96	-15.86
1	55	5	-0.29	-1.01	-0.57	-0.73	-0.35	-34.02	-149.73	-92.22	-91.52	57.85
1	55	6	0.29	-1.45	-1.17	1.76e-02	0.63	143.85	-106.50	-69.06	106.40	-89.29
1	55	9	0.50	-0.40	0.44	-0.34	-0.22	-98.46	-479.87	-98.99	-479.34	-14.21
1	55	10	0.91	-0.58	0.71	-0.38	-0.51	5.61	-78.34	4.37	-77.11	-10.10
1	55	11	8.42e-03	-0.10	-7.51e-02	-1.87e-02	-4.76e-02	-86.36	-474.75	-87.74	-473.37	-23.08
1	55	12	1.19	-0.25	1.17	-0.23	-0.14	5.86	-86.61	-0.42	-80.33	-23.26
1	55	13	1.74e-02	-0.11	-0.11	1.68e-02	8.99e-03	-85.76	-476.10	-88.28	-473.59	-31.22
1	55	14	1.04	-0.25	1.04	-0.24	-8.00e-02	10.86	-89.09	-0.34	-77.89	-31.52
1	55	15	-4.89e-03	-8.21e-02	-8.19e-02	-5.01e-03	-2.97e-03	-85.30	-477.85	-89.32	-473.83	-39.52
1	55	16	0.94	-0.27	0.93	-0.26	-0.12	15.22	-94.46	-1.56	-77.68	-39.48
1	55	17	7.45e-03	-0.13	-0.13	5.08e-03	-1.82e-02	-83.04	-478.47	-88.71	-472.79	-47.03
1	55	18	0.96	-0.33	0.93	-0.30	-0.17	19.83	-100.66	-2.43	-78.41	-46.76
1	55	19	2.28e-02	-0.18	-0.17	2.13e-02	-1.69e-02	-80.65	-478.70	-87.84	-471.51	-53.02
1	55	20	1.03	-0.40	1.01	-0.38	-0.18	23.06	-107.58	-3.85	-80.67	-52.84
1	55	21	9.40e-03	-4.34e-02	-3.79e-02	3.85e-03	-1.62e-02	-80.57	-480.03	-89.13	-471.46	-57.85
1	55	22	1.12	-0.40	1.10	-0.38	-0.18	25.55	-111.91	-6.00	-80.37	-57.80
1	55	23	0.10	-1.57e-02	9.72e-02	-1.22e-02	-1.98e-02	-80.42	-481.11	-90.25	-471.29	-61.96
1	55	24	1.25	-0.43	1.23	-0.41	-0.20	26.75	-116.57	-8.55	-81.28	-61.75
1	55	25	0.14	2.10e-04	0.14	1.73e-03	-1.44e-02	-79.08	-480.91	-89.80	-470.19	-64.75
1	55	26	1.40	-0.47	1.38	-0.45	-0.21	27.34	-120.19	-10.29	-82.56	-64.31
1	55	27	0.17	1.67e-02	0.17	1.68e-02	-3.86e-03	-78.26	-480.04	-89.27	-469.04	-65.57
1	55	28	1.54	-0.53	1.52	-0.51	-0.19	25.94	-123.64	-12.40	-85.29	-65.31
1	55	29	0.36	-1.75e-03	0.36	-1.70e-03	4.44e-03	-79.91	-479.98	-90.79	-469.10	-65.06
1	55	30	1.63	-0.52	1.62	-0.50	-0.17	23.97	-123.74	-14.87	-84.89	-65.03
1	55	31	0.51	-1.63e-02	0.51	-1.60e-02	1.34e-02	-81.34	-479.46	-91.87	-468.93	-63.87
1	55	32	1.71	-0.53	1.70	-0.52	-0.16	20.61	-123.91	-17.47	-85.84	-63.66
1	55	33	0.54	-2.09e-03	0.54	-7.53e-04	2.69e-02	-81.57	-477.62	-91.33	-467.86	-61.40
1	55	34	1.75	-0.55	1.74	-0.54	-0.15	16.68	-122.85	-19.12	-87.05	-60.94
1	55	35	0.55	9.80e-03	0.55	1.31e-02	4.23e-02	-82.27	-475.27	-90.73	-466.82	-57.01
1	55	36	1.74	-0.61	1.73	-0.60	-0.12	10.91	-121.80	-21.08	-89.82	-56.76
1	55	37	0.69	-1.09e-02	0.68	-6.15e-03	5.77e-02	-85.12	-473.89	-92.04	-466.96	-51.43
1	55	38	1.64	-0.57	1.63	-0.57	-7.71e-02	4.95	-117.22	-23.17	-89.10	-51.43
1	55	39	0.75	-2.24e-02	0.75	-1.70e-02	6.46e-02	-87.21	-472.15	-92.62	-466.74	-45.31
1	55	40	1.48	-0.57	1.47	-0.57	-6.04e-02	-2.16	-113.10	-25.28	-89.98	-45.06
1	55	41	0.66	5.53e-04	0.66	3.28e-03	4.23e-02	-87.48	-469.05	-91.25	-465.28	-37.73
1	55	42	1.28	-0.58	1.28	-0.58	-7.19e-02	-10.36	-108.36	-27.14	-91.59	-36.91
1	55	43	0.54	-3.17e-02	0.54	-3.17e-02	2.54e-03	-88.04	-465.92	-90.09	-463.87	-27.76
1	55	44	1.13	-0.56	1.13	-0.56	-7.03e-02	-20.50	-105.32	-29.59	-96.22	-26.24
1	55	45	0.77	-0.34	0.77	-0.34	6.31e-02	-99.56	-469.14	-100.29	-468.41	-16.37
1	55	46	0.70	-0.72	0.67	-0.68	0.23	-13.79	-99.64	-17.73	-95.70	-17.97
1	55	47	0.63	-0.61	-0.61	0.62	5.99e-02	69.05	4.07	7.05	66.08	-13.57
1	55	48	0.32	-0.91	-0.90	0.32	4.11e-02	76.84	3.16	10.58	69.41	-22.18
1	55	49	0.30	-1.05	-1.05	0.29	9.80e-02	83.04	-1.92	11.69	69.43	-31.16
1	55	50	0.32	-1.10	-1.09	0.31	0.12	90.09	-7.69	11.47	70.92	-38.81
1	55	51	0.35	-1.12	-1.11	0.34	0.13	97.55	-11.79	13.09	72.67	-45.84
1	55	52	0.40	-1.13	-1.12	0.39	0.14	105.65	-14.73	15.32	75.60	-52.10
1	55	53	0.41	-1.14	-1.13	0.40	0.15	111.10	-18.59	15.72	76.80	-57.20
1	55	54	0.45	-1.14	-1.12	0.43	0.16	116.37	-20.74	16.41	79.22	-60.94
1	55	55	0.48	-1.10	-1.08	0.46	0.18	120.81	-20.70	18.60	81.51	-63.38
1	55	56	0.52	-1.03	-1.01	0.50	0.18	125.01	-19.13	20.97	84.91	-64.59
1	55	57	0.52	-0.96	-0.94	0.49	0.18	125.78	-18.43	21.31	86.04	-64.43
1	55	58	0.54	-0.87	-0.84	0.51	0.19	126.37	-15.83	22.07	88.48	-62.87
1	55	59	0.56	-0.74	-0.71	0.53	0.20	126.12	-11.10	24.35	90.67	-60.06
1	55	60	0.60	-0.58	-0.55	0.56	0.20	125.90	-4.99	26.78	94.13	-56.12
1	55	61	0.58	-0.43	-0.39	0.54	0.19	122.29	-4.99e-02	27.21	95.03	-50.91
1	55	62	0.59	-0.26	-0.21	0.55	0.19	119.08	6.85	28.54	97.40	-44.32
1	55	63	0.59	-5.18e-02	-1.07e-02	0.54	0.16	115.36	16.88	32.50	99.73	-35.98
1	55	64	0.58	0.10	0.11	0.56	7.54e-02	113.01	26.52	35.20	104.33	-25.98
1	55	65	0.92	3.29e-03	1.49e-02	0.91	-0.10	108.66	24.69	26.80	106.55	-13.15
1	56	1	2.16	0.56	2.08	0.64	0.34	-10.85	-460.05	-10.94	-459.96	6.10
1	56	2	6.67e-02	-0.40	-0.35	1.44e-02	-0.15	10.65	-143.85	-77.35	-55.85	76.50
1	56	3	-0.16	-1.96	-1.39	-0.73	0.83	98.14	-111.34	-83.93	70.73	-70.64
1	56	4	1.97	0.75	1.95	0.77	-0.14	-9.79	-472.51	-10.34	-471.96	15.86
1	56	5	0.31	-1.51	-1.33	0.14	-0.54	134.27	-108.45	-68.58	94.39	89.93
1	56	6	-0.41	-0.93	-0.72	-0.61	0.25	-38.84	-156.43	-91.74	-103.53	-58.50
1	56	9	0.81	-0.38	0.77	-0.34	0.22	-99.74	-468.96	-100.29	-468.41	14.21

1	56	10	0.62	-0.32	-0.32	0.62	5.82e-02	79.76	3.12	5.87	77.01	14.25
1	56	11	0.54	-3.56e-02	0.54	-3.17e-02	4.76e-02	-88.67	-465.29	-90.09	-463.87	23.08
1	56	12	0.30	-0.44	-0.42	0.28	0.12	85.67	1.56	8.30	78.93	22.85
1	56	13	0.66	3.15e-03	0.66	3.28e-03	-8.99e-03	-88.66	-467.87	-91.25	-465.28	31.22
1	56	14	0.26	-0.43	-0.41	0.25	0.11	90.15	-3.72	8.69	77.73	31.81
1	56	15	0.75	-1.70e-02	0.75	-1.70e-02	2.97e-03	-88.49	-470.87	-92.62	-466.74	39.52
1	56	16	0.30	-0.40	-0.37	0.27	0.13	95.82	-9.67	8.15	78.01	39.52
1	56	17	0.69	-6.62e-03	0.68	-6.15e-03	1.82e-02	-86.23	-472.77	-92.04	-466.96	47.03
1	56	18	0.34	-0.43	-0.40	0.31	0.15	102.01	-13.72	9.78	78.50	46.56
1	56	19	0.55	1.26e-02	0.55	1.31e-02	1.69e-02	-83.40	-474.15	-90.73	-466.82	53.02
1	56	20	0.40	-0.51	-0.47	0.36	0.17	109.12	-16.39	12.43	80.29	52.79
1	56	21	0.54	-1.24e-03	0.54	-7.53e-04	1.62e-02	-82.64	-476.55	-91.33	-467.86	57.85
1	56	22	0.42	-0.64	-0.60	0.38	0.19	113.84	-19.97	13.47	80.39	57.94
1	56	23	0.51	-1.67e-02	0.51	-1.60e-02	1.98e-02	-81.95	-478.86	-91.87	-468.93	61.96
1	56	24	0.45	-0.78	-0.75	0.42	0.20	118.37	-22.02	14.78	81.57	61.74
1	56	25	0.36	-2.27e-03	0.36	-1.70e-03	1.44e-02	-80.01	-479.88	-90.79	-469.10	64.75
1	56	26	0.47	-0.92	-0.89	0.45	0.19	122.03	-21.75	17.67	82.61	64.14
1	56	27	0.17	1.67e-02	0.17	1.68e-02	3.86e-03	-78.26	-480.04	-89.27	-469.04	65.57
1	56	28	0.52	-1.03	-1.01	0.50	0.19	125.66	-19.77	20.97	84.91	65.31
1	56	29	0.14	1.58e-03	0.14	1.73e-03	-4.44e-03	-78.98	-481.01	-89.80	-470.19	65.06
1	56	30	0.52	-1.15	-1.13	0.50	0.19	125.94	-18.75	22.24	84.95	65.20
1	56	31	9.88e-02	-1.38e-02	9.72e-02	-1.22e-02	-1.34e-02	-79.82	-481.71	-90.25	-471.29	63.87
1	56	32	0.54	-1.23	-1.22	0.53	0.16	125.82	-16.00	23.70	86.12	63.67
1	56	33	1.70e-02	-5.10e-02	-3.79e-02	3.85e-03	-2.69e-02	-79.52	-481.08	-89.13	-471.46	61.40
1	56	34	0.55	-1.25	-1.24	0.54	0.14	124.74	-11.07	26.59	87.08	60.80
1	56	35	3.01e-02	-0.18	-0.17	2.13e-02	-4.23e-02	-79.55	-479.80	-87.84	-471.51	57.01
1	56	36	0.60	-1.20	-1.19	0.59	0.12	123.74	-4.64	29.67	89.44	56.81
1	56	37	2.61e-02	-0.15	-0.13	5.08e-03	-5.77e-02	-81.94	-479.56	-88.71	-472.79	51.43
1	56	38	0.58	-1.11	-1.10	0.57	9.27e-02	119.24	0.48	30.52	89.20	51.63
1	56	39	3.17e-02	-0.12	-8.19e-02	-5.01e-03	-6.46e-02	-84.05	-479.10	-89.32	-473.83	45.31
1	56	40	0.58	-0.92	-0.92	0.58	5.65e-02	114.76	7.42	31.86	90.31	45.02
1	56	41	2.96e-02	-0.12	-0.11	1.68e-02	-4.23e-02	-84.62	-477.25	-88.28	-473.59	37.73
1	56	42	0.59	-0.65	-0.65	0.58	4.67e-02	109.54	17.38	35.49	91.43	36.63
1	56	43	-1.86e-02	-7.52e-02	-7.51e-02	-1.87e-02	-2.54e-03	-85.75	-475.36	-87.74	-473.37	27.76
1	56	44	0.61	-0.38	-0.37	0.60	8.62e-02	105.30	27.00	37.48	94.82	26.65
1	56	45	0.44	-0.34	0.44	-0.34	-6.31e-02	-98.29	-480.04	-98.99	-479.34	16.37
1	56	46	0.96	-0.32	-0.28	0.92	0.22	98.33	25.26	27.97	95.61	13.82
1	56	47	1.10	-0.49	1.00	-0.39	0.39	4.46	-67.43	3.20	-66.17	9.42
1	56	48	1.66	-0.27	1.66	-0.27	-2.52e-02	4.11	-77.63	-2.70	-70.82	22.59
1	56	49	1.68	-0.29	1.67	-0.28	-0.12	8.83	-81.75	-3.33	-69.59	30.88
1	56	50	1.65	-0.30	1.64	-0.30	-0.12	13.08	-88.56	-4.88	-70.60	38.78
1	56	51	1.65	-0.34	1.64	-0.34	-0.12	17.73	-96.05	-5.74	-72.57	46.04
1	56	52	1.67	-0.41	1.66	-0.40	-0.14	21.24	-103.95	-6.73	-75.98	52.15
1	56	53	1.64	-0.41	1.63	-0.40	-0.16	24.05	-109.07	-8.24	-76.77	57.07
1	56	54	1.61	-0.43	1.60	-0.42	-0.16	25.42	-114.53	-10.18	-78.93	60.95
1	56	55	1.58	-0.47	1.57	-0.46	-0.16	26.26	-118.95	-11.23	-81.46	63.54
1	56	56	1.54	-0.53	1.52	-0.51	-0.18	25.32	-123.01	-12.40	-85.29	64.59
1	56	57	1.45	-0.51	1.43	-0.49	-0.20	23.71	-123.64	-13.93	-85.99	64.26
1	56	58	1.34	-0.52	1.32	-0.51	-0.19	20.52	-124.54	-15.84	-88.19	62.86
1	56	59	1.23	-0.55	1.21	-0.53	-0.19	16.84	-124.36	-16.88	-90.65	60.20
1	56	60	1.11	-0.60	1.09	-0.58	-0.20	11.47	-124.17	-18.20	-94.51	56.07
1	56	61	0.95	-0.57	0.93	-0.54	-0.21	5.70	-120.49	-19.86	-94.93	50.71
1	56	62	0.79	-0.56	0.76	-0.54	-0.19	-1.39	-117.63	-21.95	-97.07	44.35
1	56	63	0.65	-0.55	0.64	-0.54	-0.13	-9.58	-114.45	-24.14	-99.89	36.26
1	56	64	0.65	-0.52	0.64	-0.52	-9.12e-02	-19.71	-113.34	-27.31	-105.74	25.57
1	56	65	0.48	-0.78	0.37	-0.67	-0.35	-13.35	-109.84	-16.55	-106.64	17.30
1	57	1	2.16	0.56	2.08	0.64	-0.34	-10.85	-460.05	-10.94	-459.96	-6.10
1	57	2	-0.16	-1.96	-1.39	-0.73	-0.83	98.14	-111.34	-83.93	70.73	70.64
1	57	3	6.67e-02	-0.40	-0.35	1.44e-02	0.15	10.65	-143.85	-77.35	-55.85	-76.50
1	57	4	1.97	0.75	1.95	0.77	0.14	-9.79	-472.51	-10.34	-471.96	-15.86
1	57	5	-0.41	-0.93	-0.72	-0.61	-0.25	-38.84	-156.43	-91.74	-103.53	58.50
1	57	6	0.31	-1.51	-1.33	0.14	0.54	134.27	-108.45	-68.58	94.39	-89.93
1	57	9	0.81	-0.38	0.77	-0.34	-0.22	-99.74	-468.96	-100.29	-468.41	-14.21
1	57	10	1.10	-0.49	1.00	-0.39	-0.39	4.46	-67.43	3.20	-66.17	-9.42
1	57	11	0.54	-3.56e-02	0.54	-3.17e-02	-4.76e-02	-88.67	-465.29	-90.09	-463.87	-23.08
1	57	12	1.66	-0.27	1.66	-0.27	2.52e-02	4.11	-77.63	-2.70	-70.82	-22.59
1	57	13	0.66	3.15e-03	0.66	3.28e-03	8.99e-03	-88.66	-467.87	-91.25	-465.28	-31.22
1	57	14	1.68	-0.29	1.67	-0.28	0.12	8.83	-81.75	-3.33	-69.59	-30.88
1	57	15	0.75	-1.70e-02	0.75	-1.70e-02	-2.97e-03	-88.49	-470.87	-92.62	-466.74	-39.52
1	57	16	1.65	-0.30	1.64	-0.30	0.12	13.08	-88.56	-4.88	-70.60	-38.78
1	57	17	0.69	-6.62e-03	0.68	-6.15e-03	-1.82e-02	-86.23	-472.77	-92.04	-466.96	-47.03
1	57	18	1.65	-0.34	1.64	-0.34	0.12	17.73	-96.05	-5.74	-72.57	-46.04
1	57	19	0.55	1.26e-02	0.55	1.31e-02	-1.69e-02	-83.40	-474.15	-90.73	-466.82	-53.02
1	57	20	1.67	-0.41	1.66	-0.40	0.14	21.24	-103.95	-6.73	-75.98	-52.15
1	57	21	0.54	-1.24e-03	0.54	-7.53e-04	-1.62e-02	-82.64	-476.55	-91.33	-467.86	-57.85

1	57	22	1.64	-0.41	1.63	-0.40	0.16	24.05	-109.07	-8.24	-76.77	-57.07
1	57	23	0.51	-1.67e-02	0.51	-1.60e-02	-1.98e-02	-81.95	-478.86	-91.87	-468.93	-61.96
1	57	24	1.61	-0.43	1.60	-0.42	0.16	25.42	-114.53	-10.18	-78.93	-60.95
1	57	25	0.36	-2.27e-03	0.36	-1.70e-03	-1.44e-02	-80.01	-479.88	-90.79	-469.10	-64.75
1	57	26	1.58	-0.47	1.57	-0.46	0.16	26.26	-118.95	-11.23	-81.46	-63.54
1	57	27	0.17	1.67e-02	0.17	1.68e-02	-3.86e-03	-78.26	-480.04	-89.27	-469.04	-65.57
1	57	28	1.54	-0.53	1.52	-0.51	0.18	25.32	-123.01	-12.40	-85.29	-64.59
1	57	29	0.14	1.58e-03	0.14	1.73e-03	4.44e-03	-78.98	-481.01	-89.80	-470.19	-65.06
1	57	30	1.45	-0.51	1.43	-0.49	0.20	23.71	-123.64	-13.93	-85.99	-64.26
1	57	31	9.88e-02	-1.38e-02	9.72e-02	-1.22e-02	1.34e-02	-79.82	-481.71	-90.25	-471.29	-63.87
1	57	32	1.34	-0.52	1.32	-0.51	0.19	20.52	-124.54	-15.84	-88.19	-62.86
1	57	33	1.70e-02	-5.10e-02	-3.79e-02	3.85e-03	2.69e-02	-79.52	-481.08	-89.13	-471.46	-61.40
1	57	34	1.23	-0.55	1.21	-0.53	0.19	16.84	-124.36	-16.88	-90.65	-60.20
1	57	35	3.01e-02	-0.18	-0.17	2.13e-02	4.23e-02	-79.55	-479.80	-87.84	-471.51	-57.01
1	57	36	1.11	-0.60	1.09	-0.58	0.20	11.47	-124.17	-18.20	-94.51	-56.07
1	57	37	2.61e-02	-0.15	-0.13	5.08e-03	5.77e-02	-81.94	-479.56	-88.71	-472.79	-51.43
1	57	38	0.95	-0.57	0.93	-0.54	0.21	5.70	-120.49	-19.86	-94.93	-50.71
1	57	39	3.17e-02	-0.12	-8.19e-02	-5.01e-03	6.46e-02	-84.05	-479.10	-89.32	-473.83	-45.31
1	57	40	0.79	-0.56	0.76	-0.54	0.19	-1.39	-117.63	-21.95	-97.07	-44.35
1	57	41	2.96e-02	-0.12	-0.11	1.68e-02	4.23e-02	-84.62	-477.25	-88.28	-473.59	-37.73
1	57	42	0.65	-0.55	0.64	-0.54	0.13	-9.58	-114.45	-24.14	-99.89	-36.26
1	57	43	-1.86e-02	-7.52e-02	-7.51e-02	-1.87e-02	2.54e-03	-85.75	-475.36	-87.74	-473.37	-27.76
1	57	44	0.65	-0.52	0.64	-0.52	9.12e-02	-19.71	-113.34	-27.31	-105.74	-25.57
1	57	45	0.44	-0.34	0.44	-0.34	6.31e-02	-98.29	-480.04	-98.99	-479.34	-16.37
1	57	46	0.48	-0.78	0.37	-0.67	0.35	-13.35	-109.84	-16.55	-106.64	-17.30
1	57	47	0.62	-0.32	-0.32	0.62	-5.82e-02	79.76	3.12	5.87	77.01	-14.25
1	57	48	0.30	-0.44	-0.42	0.28	-0.12	85.67	1.56	8.30	78.93	-22.85
1	57	49	0.26	-0.43	-0.41	0.25	-0.11	90.15	-3.72	8.69	77.73	-31.81
1	57	50	0.30	-0.40	-0.37	0.27	-0.13	95.82	-9.67	8.15	78.01	-39.52
1	57	51	0.34	-0.43	-0.40	0.31	-0.15	102.01	-13.72	9.78	78.50	-46.56
1	57	52	0.40	-0.51	-0.47	0.36	-0.17	109.12	-16.39	12.43	80.29	-52.79
1	57	53	0.42	-0.64	-0.60	0.38	-0.19	113.84	-19.97	13.47	80.39	-57.94
1	57	54	0.45	-0.78	-0.75	0.42	-0.20	118.37	-22.02	14.78	81.57	-61.74
1	57	55	0.47	-0.92	-0.89	0.45	-0.19	122.03	-21.75	17.67	82.61	-64.14
1	57	56	0.52	-1.03	-1.01	0.50	-0.19	125.66	-19.77	20.97	84.91	-65.31
1	57	57	0.52	-1.15	-1.13	0.50	-0.19	125.94	-18.75	22.24	84.95	-65.20
1	57	58	0.54	-1.23	-1.22	0.53	-0.16	125.82	-16.00	23.70	86.12	-63.67
1	57	59	0.55	-1.25	-1.24	0.54	-0.14	124.74	-11.07	26.59	87.08	-60.80
1	57	60	0.60	-1.20	-1.19	0.59	-0.12	123.74	-4.64	29.67	89.44	-56.81
1	57	61	0.58	-1.11	-1.10	0.57	-9.27e-02	119.24	0.48	30.52	89.20	-51.63
1	57	62	0.58	-0.92	-0.92	0.58	-5.65e-02	114.76	7.42	31.86	90.31	-45.02
1	57	63	0.59	-0.65	-0.65	0.58	-4.67e-02	109.54	17.38	35.49	91.43	-36.63
1	57	64	0.61	-0.38	-0.37	0.60	-8.62e-02	105.30	27.00	37.48	94.82	-26.65
1	57	65	0.96	-0.32	-0.28	0.92	-0.22	98.33	25.26	27.97	95.61	-13.82
1	58	1	2.05	0.67	1.95	0.77	0.34	-10.26	-472.04	-10.34	-471.96	6.10
1	58	2	0.14	-0.51	-0.50	0.13	-5.28e-02	4.92	-149.64	-76.87	-67.86	77.15
1	58	3	-0.20	-1.96	-1.55	-0.61	0.74	88.31	-113.04	-83.45	58.72	-71.28
1	58	4	2.10	0.63	2.08	0.64	-0.14	-10.38	-460.52	-10.94	-459.96	15.86
1	58	5	0.29	-1.45	-1.17	1.76e-02	-0.63	143.85	-106.50	-69.06	106.40	89.29
1	58	6	-0.29	-1.01	-0.57	-0.73	0.35	-34.02	-149.73	-92.22	-91.52	-57.85
1	58	9	0.50	-0.40	0.44	-0.34	0.22	-98.46	-479.87	-98.99	-479.34	14.21
1	58	10	0.63	-0.61	-0.61	0.62	-5.99e-02	69.05	4.07	7.05	66.08	13.57
1	58	11	8.42e-03	-0.10	-7.51e-02	-1.87e-02	4.76e-02	-86.36	-474.75	-87.74	-473.37	23.08
1	58	12	0.32	-0.91	-0.90	0.32	-4.11e-02	76.84	3.16	10.58	69.41	22.18
1	58	13	1.74e-02	-0.11	-0.11	1.68e-02	-8.99e-03	-85.76	-476.10	-88.28	-473.59	31.22
1	58	14	0.30	-1.05	-1.05	0.29	-9.80e-02	83.04	-1.92	11.69	69.43	31.16
1	58	15	-4.89e-03	-8.21e-02	-8.19e-02	-5.01e-03	2.97e-03	-85.30	-477.85	-89.32	-473.83	39.52
1	58	16	0.32	-1.10	-1.09	0.31	-0.12	90.09	-7.69	11.47	70.92	38.81
1	58	17	7.45e-03	-0.13	-0.13	5.08e-03	1.82e-02	-83.04	-478.47	-88.71	-472.79	47.03
1	58	18	0.35	-1.12	-1.11	0.34	-0.13	97.55	-11.79	13.09	72.67	45.84
1	58	19	2.28e-02	-0.18	-0.17	2.13e-02	1.69e-02	-80.65	-478.70	-87.84	-471.51	53.02
1	58	20	0.40	-1.13	-1.12	0.39	-0.14	105.65	-14.73	15.32	75.60	52.10
1	58	21	9.40e-03	-4.34e-02	-3.79e-02	3.85e-03	1.62e-02	-80.57	-480.03	-89.13	-471.46	57.85
1	58	22	0.41	-1.14	-1.13	0.40	-0.15	111.10	-18.59	15.72	76.80	57.20
1	58	23	0.10	-1.57e-02	9.72e-02	-1.22e-02	1.98e-02	-80.42	-481.11	-90.25	-471.29	61.96
1	58	24	0.45	-1.14	-1.12	0.43	-0.16	116.37	-20.74	16.41	79.22	60.94
1	58	25	0.14	2.10e-04	0.14	1.73e-03	1.44e-02	-79.08	-480.91	-89.80	-470.19	64.75
1	58	26	0.48	-1.10	-1.08	0.46	-0.18	120.81	-20.70	18.60	81.51	63.38
1	58	27	0.17	1.67e-02	0.17	1.68e-02	3.86e-03	-78.26	-480.04	-89.27	-469.04	65.57
1	58	28	0.52	-1.03	-1.01	0.50	-0.18	125.01	-19.13	20.97	84.91	64.59
1	58	29	0.36	-1.75e-03	0.36	-1.70e-03	-4.44e-03	-79.91	-479.98	-90.79	-469.10	65.06
1	58	30	0.52	-0.96	-0.94	0.49	-0.18	125.78	-18.43	21.31	86.04	64.43
1	58	31	0.51	-1.63e-02	0.51	-1.60e-02	-1.34e-02	-81.34	-479.46	-91.87	-468.93	63.87
1	58	32	0.54	-0.87	-0.84	0.51	-0.19	126.37	-15.83	22.07	88.48	62.87
1	58	33	0.54	-2.09e-03	0.54	-7.53e-04	-2.69e-02	-81.57	-477.62	-91.33	-467.86	61.40

1	58	34	0.56	-0.74	-0.71	0.53	-0.20	126.12	-11.10	24.35	90.67	60.06
1	58	35	0.55	9.80e-03	0.55	1.31e-02	-4.23e-02	-82.27	-475.27	-90.73	-466.82	57.01
1	58	36	0.60	-0.58	-0.55	0.56	-0.20	125.90	-4.99	26.78	94.13	56.12
1	58	37	0.69	-1.09e-02	0.68	-6.15e-03	-5.77e-02	-85.12	-473.89	-92.04	-466.96	51.43
1	58	38	0.58	-0.43	-0.39	0.54	-0.19	122.29	-4.99e-02	27.21	95.03	50.91
1	58	39	0.75	-2.24e-02	0.75	-1.70e-02	-6.46e-02	-87.21	-472.15	-92.62	-466.74	45.31
1	58	40	0.59	-0.26	-0.21	0.55	-0.19	119.08	6.85	28.54	97.40	44.32
1	58	41	0.66	5.53e-04	0.66	3.28e-03	-4.23e-02	-87.48	-469.05	-91.25	-465.28	37.73
1	58	42	0.59	-5.18e-02	-1.07e-02	0.54	-0.16	115.36	16.88	32.50	99.73	35.98
1	58	43	0.54	-3.17e-02	0.54	-3.17e-02	-2.54e-03	-88.04	-465.92	-90.09	-463.87	27.76
1	58	44	0.58	0.10	0.11	0.56	-7.54e-02	113.01	26.52	35.20	104.33	25.98
1	58	45	0.77	-0.34	0.77	-0.34	-6.31e-02	-99.56	-469.14	-100.29	-468.41	16.37
1	58	46	0.92	3.29e-03	1.49e-02	0.91	0.10	108.66	24.69	26.80	106.55	13.15
1	58	47	0.91	-0.58	0.71	-0.38	0.51	5.61	-78.34	4.37	-77.11	10.10
1	58	48	1.19	-0.25	1.17	-0.23	0.14	5.86	-86.61	-0.42	-80.33	23.26
1	58	49	1.04	-0.25	1.04	-0.24	8.00e-02	10.86	-89.09	-0.34	-77.89	31.52
1	58	50	0.94	-0.27	0.93	-0.26	0.12	15.22	-94.46	-1.56	-77.68	39.48
1	58	51	0.96	-0.33	0.93	-0.30	0.17	19.83	-100.66	-2.43	-78.41	46.76
1	58	52	1.03	-0.40	1.01	-0.38	0.18	23.06	-107.58	-3.85	-80.67	52.84
1	58	53	1.12	-0.40	1.10	-0.38	0.18	25.55	-111.91	-6.00	-80.37	57.80
1	58	54	1.25	-0.43	1.23	-0.41	0.20	26.75	-116.57	-8.55	-81.28	61.75
1	58	55	1.40	-0.47	1.38	-0.45	0.21	27.34	-120.19	-10.29	-82.56	64.31
1	58	56	1.54	-0.53	1.52	-0.51	0.19	25.94	-123.64	-12.40	-85.29	65.31
1	58	57	1.63	-0.52	1.62	-0.50	0.17	23.97	-123.74	-14.87	-84.89	65.03
1	58	58	1.71	-0.53	1.70	-0.52	0.16	20.61	-123.91	-17.47	-85.84	63.66
1	58	59	1.75	-0.55	1.74	-0.54	0.15	16.68	-122.85	-19.12	-87.05	60.94
1	58	60	1.74	-0.61	1.73	-0.60	0.12	10.91	-121.80	-21.08	-89.82	56.76
1	58	61	1.64	-0.57	1.63	-0.57	7.71e-02	4.95	-117.22	-23.17	-89.10	51.43
1	58	62	1.48	-0.57	1.47	-0.57	6.04e-02	-2.16	-113.10	-25.28	-89.98	45.06
1	58	63	1.28	-0.58	1.28	-0.58	7.19e-02	-10.36	-108.36	-27.14	-91.59	36.91
1	58	64	1.13	-0.56	1.13	-0.56	7.03e-02	-20.50	-105.32	-29.59	-96.22	26.24
1	58	65	0.70	-0.72	0.67	-0.68	-0.23	-13.79	-99.64	-17.73	-95.70	17.97
1	59	1	2.05	0.67	1.95	0.77	-0.34	-10.26	-472.04	-10.34	-471.96	-6.10
1	59	2	-0.20	-1.96	-1.55	-0.61	-0.74	88.31	-113.04	-83.45	58.72	71.28
1	59	3	0.14	-0.51	-0.50	0.13	5.28e-02	4.92	-149.64	-76.87	-67.86	-77.15
1	59	4	2.10	0.63	2.08	0.64	0.14	-10.38	-460.52	-10.94	-459.96	-15.86
1	59	5	-0.29	-1.01	-0.57	-0.73	-0.35	-34.02	-149.73	-92.22	-91.52	57.85
1	59	6	0.29	-1.45	-1.17	1.76e-02	0.63	143.85	-106.50	-69.06	106.40	-89.29
1	59	9	0.50	-0.40	0.44	-0.34	-0.22	-98.46	-479.87	-98.99	-479.34	-14.21
1	59	10	0.91	-0.58	0.71	-0.38	-0.51	5.61	-78.34	4.37	-77.11	-10.10
1	59	11	8.42e-03	-0.10	-7.51e-02	-1.87e-02	-4.76e-02	-86.36	-474.75	-87.74	-473.37	-23.08
1	59	12	1.19	-0.25	1.17	-0.23	-0.14	5.86	-86.61	-0.42	-80.33	-23.26
1	59	13	1.74e-02	-0.11	-0.11	1.68e-02	8.99e-03	-85.76	-476.10	-88.28	-473.59	-31.22
1	59	14	1.04	-0.25	1.04	-0.24	-8.00e-02	10.86	-89.09	-0.34	-77.89	-31.52
1	59	15	-4.89e-03	-8.21e-02	-8.19e-02	-5.01e-03	-2.97e-03	-85.30	-477.85	-89.32	-473.83	-39.52
1	59	16	0.94	-0.27	0.93	-0.26	-0.12	15.22	-94.46	-1.56	-77.68	-39.48
1	59	17	7.45e-03	-0.13	-0.13	5.08e-03	-1.82e-02	-83.04	-478.47	-88.71	-472.79	-47.03
1	59	18	0.96	-0.33	0.93	-0.30	-0.17	19.83	-100.66	-2.43	-78.41	-46.76
1	59	19	2.28e-02	-0.18	-0.17	2.13e-02	-1.69e-02	-80.65	-478.70	-87.84	-471.51	-53.02
1	59	20	1.03	-0.40	1.01	-0.38	-0.18	23.06	-107.58	-3.85	-80.67	-52.84
1	59	21	9.40e-03	-4.34e-02	-3.79e-02	3.85e-03	-1.62e-02	-80.57	-480.03	-89.13	-471.46	-57.85
1	59	22	1.12	-0.40	1.10	-0.38	-0.18	25.55	-111.91	-6.00	-80.37	-57.80
1	59	23	0.10	-1.57e-02	9.72e-02	-1.22e-02	-1.98e-02	-80.42	-481.11	-90.25	-471.29	-61.96
1	59	24	1.25	-0.43	1.23	-0.41	-0.20	26.75	-116.57	-8.55	-81.28	-61.75
1	59	25	0.14	2.10e-04	0.14	1.73e-03	-1.44e-02	-79.08	-480.91	-89.80	-470.19	-64.75
1	59	26	1.40	-0.47	1.38	-0.45	-0.21	27.34	-120.19	-10.29	-82.56	-64.31
1	59	27	0.17	1.67e-02	0.17	1.68e-02	-3.86e-03	-78.26	-480.04	-89.27	-469.04	-65.57
1	59	28	1.54	-0.53	1.52	-0.51	-0.19	25.94	-123.64	-12.40	-85.29	-65.31
1	59	29	0.36	-1.75e-03	0.36	-1.70e-03	4.44e-03	-79.91	-479.98	-90.79	-469.10	-65.06
1	59	30	1.63	-0.52	1.62	-0.50	-0.17	23.97	-123.74	-14.87	-84.89	-65.03
1	59	31	0.51	-1.63e-02	0.51	-1.60e-02	1.34e-02	-81.34	-479.46	-91.87	-468.93	-63.87
1	59	32	1.71	-0.53	1.70	-0.52	-0.16	20.61	-123.91	-17.47	-85.84	-63.66
1	59	33	0.54	-2.09e-03	0.54	-7.53e-04	2.69e-02	-81.57	-477.62	-91.33	-467.86	-61.40
1	59	34	1.75	-0.55	1.74	-0.54	-0.15	16.68	-122.85	-19.12	-87.05	-60.94
1	59	35	0.55	9.80e-03	0.55	1.31e-02	4.23e-02	-82.27	-475.27	-90.73	-466.82	-57.01
1	59	36	1.74	-0.61	1.73	-0.60	-0.12	10.91	-121.80	-21.08	-89.82	-56.76
1	59	37	0.69	-1.09e-02	0.68	-6.15e-03	5.77e-02	-85.12	-473.89	-92.04	-466.96	-51.43
1	59	38	1.64	-0.57	1.63	-0.57	-7.71e-02	4.95	-117.22	-23.17	-89.10	-51.43
1	59	39	0.75	-2.24e-02	0.75	-1.70e-02	6.46e-02	-87.21	-472.15	-92.62	-466.74	-45.31
1	59	40	1.48	-0.57	1.47	-0.57	-6.04e-02	-2.16	-113.10	-25.28	-89.98	-45.06
1	59	41	0.66	5.53e-04	0.66	3.28e-03	4.23e-02	-87.48	-469.05	-91.25	-465.28	-37.73
1	59	42	1.28	-0.58	1.28	-0.58	-7.19e-02	-10.36	-108.36	-27.14	-91.59	-36.91
1	59	43	0.54	-3.17e-02	0.54	-3.17e-02	2.54e-03	-88.04	-465.92	-90.09	-463.87	-27.76
1	59	44	1.13	-0.56	1.13	-0.56	-7.03e-02	-20.50	-105.32	-29.59	-96.22	-26.24
1	59	45	0.77	-0.34	0.77	-0.34	6.31e-02	-99.56	-469.14	-100.29	-468.41	-16.37

1	59	46	0.70	-0.72	0.67	-0.68	0.23	-13.79	-99.64	-17.73	-95.70	-17.97
1	59	47	0.63	-0.61	-0.61	0.62	5.99e-02	69.05	4.07	7.05	66.08	-13.57
1	59	48	0.32	-0.91	-0.90	0.32	4.11e-02	76.84	3.16	10.58	69.41	-22.18
1	59	49	0.30	-1.05	-1.05	0.29	9.80e-02	83.04	-1.92	11.69	69.43	-31.16
1	59	50	0.32	-1.10	-1.09	0.31	0.12	90.09	-7.69	11.47	70.92	-38.81
1	59	51	0.35	-1.12	-1.11	0.34	0.13	97.55	-11.79	13.09	72.67	-45.84
1	59	52	0.40	-1.13	-1.12	0.39	0.14	105.65	-14.73	15.32	75.60	-52.10
1	59	53	0.41	-1.14	-1.13	0.40	0.15	111.10	-18.59	15.72	76.80	-57.20
1	59	54	0.45	-1.14	-1.12	0.43	0.16	116.37	-20.74	16.41	79.22	-60.94
1	59	55	0.48	-1.10	-1.08	0.46	0.18	120.81	-20.70	18.60	81.51	-63.38
1	59	56	0.52	-1.03	-1.01	0.50	0.18	125.01	-19.13	20.97	84.91	-64.59
1	59	57	0.52	-0.96	-0.94	0.49	0.18	125.78	-18.43	21.31	86.04	-64.43
1	59	58	0.54	-0.87	-0.84	0.51	0.19	126.37	-15.83	22.07	88.48	-62.87
1	59	59	0.56	-0.74	-0.71	0.53	0.20	126.12	-11.10	24.35	90.67	-60.06
1	59	60	0.60	-0.58	-0.55	0.56	0.20	125.90	-4.99	26.78	94.13	-56.12
1	59	61	0.58	-0.43	-0.39	0.54	0.19	122.29	-4.99e-02	27.21	95.03	-50.91
1	59	62	0.59	-0.26	-0.21	0.55	0.19	119.08	6.85	28.54	97.40	-44.32
1	59	63	0.59	-5.18e-02	-1.07e-02	0.54	0.16	115.36	16.88	32.50	99.73	-35.98
1	59	64	0.58	0.10	0.11	0.56	7.54e-02	113.01	26.52	35.20	104.33	-25.98
1	59	65	0.92	3.29e-03	1.49e-02	0.91	-0.10	108.66	24.69	26.80	106.55	-13.15
1	60	1	2.10	0.63	2.08	0.64	0.14	-10.38	-460.52	-10.94	-459.96	-15.86
1	60	2	-0.29	-1.01	-0.57	-0.73	-0.35	-34.02	-149.73	-92.22	-91.52	57.85
1	60	3	0.29	-1.45	-1.17	1.76e-02	0.63	143.85	-106.50	-69.06	106.40	-89.29
1	60	4	2.05	0.67	1.95	0.77	-0.34	-10.26	-472.04	-10.34	-471.96	-6.10
1	60	5	-0.20	-1.96	-1.55	-0.61	-0.74	88.31	-113.04	-83.45	58.72	71.28
1	60	6	0.14	-0.51	-0.50	0.13	5.28e-02	4.92	-149.64	-76.87	-67.86	-77.15
1	60	9	0.77	-0.34	0.77	-0.34	6.31e-02	-99.56	-469.14	-100.29	-468.41	-16.37
1	60	10	0.92	3.29e-03	1.49e-02	0.91	-0.10	108.66	24.69	26.80	106.55	-13.15
1	60	11	0.54	-3.17e-02	0.54	-3.17e-02	2.54e-03	-88.04	-465.92	-90.09	-463.87	-27.76
1	60	12	0.58	0.10	0.11	0.56	7.54e-02	113.01	26.52	35.20	104.33	-25.98
1	60	13	0.66	5.53e-04	0.66	3.28e-03	4.23e-02	-87.48	-469.05	-91.25	-465.28	-37.73
1	60	14	0.59	-5.18e-02	-1.07e-02	0.54	0.16	115.36	16.88	32.50	99.73	-35.98
1	60	15	0.75	-2.24e-02	0.75	-1.70e-02	6.46e-02	-87.21	-472.15	-92.62	-466.74	-45.31
1	60	16	0.59	-0.26	-0.21	0.55	0.19	119.08	6.85	28.54	97.40	-44.32
1	60	17	0.69	-1.09e-02	0.68	-6.15e-03	5.77e-02	-85.12	-473.89	-92.04	-466.96	-51.43
1	60	18	0.58	-0.43	-0.39	0.54	0.19	122.29	-4.99e-02	27.21	95.03	-50.91
1	60	19	0.55	9.80e-03	0.55	1.31e-02	4.23e-02	-82.27	-475.27	-90.73	-466.82	-57.01
1	60	20	0.60	-0.58	-0.55	0.56	0.20	125.90	-4.99	26.78	94.13	-56.12
1	60	21	0.54	-2.09e-03	0.54	-7.53e-04	2.69e-02	-81.57	-477.62	-91.33	-467.86	-61.40
1	60	22	0.56	-0.74	-0.71	0.53	0.20	126.12	-11.10	24.35	90.67	-60.06
1	60	23	0.51	-1.63e-02	0.51	-1.60e-02	1.34e-02	-81.34	-479.46	-91.87	-468.93	-63.87
1	60	24	0.54	-0.87	-0.84	0.51	0.19	126.37	-15.83	22.07	88.48	-62.87
1	60	25	0.36	-1.75e-03	0.36	-1.70e-03	4.44e-03	-79.91	-479.98	-90.79	-469.10	-65.06
1	60	26	0.52	-0.96	-0.94	0.49	0.18	125.78	-18.43	21.31	86.04	-64.43
1	60	27	0.17	1.67e-02	0.17	1.68e-02	-3.86e-03	-78.26	-480.04	-89.27	-469.04	-65.57
1	60	28	0.52	-1.03	-1.01	0.50	0.18	125.01	-19.13	20.97	84.91	-64.59
1	60	29	0.14	2.10e-04	0.14	1.73e-03	-1.44e-02	-79.08	-480.91	-89.80	-470.19	-64.75
1	60	30	0.48	-1.10	-1.08	0.46	0.18	120.81	-20.70	18.60	81.51	-63.38
1	60	31	0.10	-1.57e-02	9.72e-02	-1.22e-02	-1.98e-02	-80.42	-481.11	-90.25	-471.29	-61.96
1	60	32	0.45	-1.14	-1.12	0.43	0.16	116.37	-20.74	16.41	79.22	-60.94
1	60	33	9.40e-03	-4.34e-02	-3.79e-02	3.85e-03	-1.62e-02	-80.57	-480.03	-89.13	-471.46	-57.85
1	60	34	0.41	-1.14	-1.13	0.40	0.15	111.10	-18.59	15.72	76.80	-57.20
1	60	35	2.28e-02	-0.18	-0.17	2.13e-02	-1.69e-02	-80.65	-478.70	-87.84	-471.51	-53.02
1	60	36	0.40	-1.13	-1.12	0.39	0.14	105.65	-14.73	15.32	75.60	-52.10
1	60	37	7.45e-03	-0.13	-0.13	5.08e-03	-1.82e-02	-83.04	-478.47	-88.71	-472.79	-47.03
1	60	38	0.35	-1.12	-1.11	0.34	0.13	97.55	-11.79	13.09	72.67	-45.84
1	60	39	-4.89e-03	-8.21e-02	-8.19e-02	-5.01e-03	-2.97e-03	-85.30	-477.85	-89.32	-473.83	-39.52
1	60	40	0.32	-1.10	-1.09	0.31	0.12	90.09	-7.69	11.47	70.92	-38.81
1	60	41	1.74e-02	-0.11	-0.11	1.68e-02	8.99e-03	-85.76	-476.10	-88.28	-473.59	-31.22
1	60	42	0.30	-1.05	-1.05	0.29	9.80e-02	83.04	-1.92	11.69	69.43	-31.16
1	60	43	8.42e-03	-0.10	-7.51e-02	-1.87e-02	-4.76e-02	-86.36	-474.75	-87.74	-473.37	-23.08
1	60	44	0.32	-0.91	-0.90	0.32	4.11e-02	76.84	3.16	10.58	69.41	-22.18
1	60	45	0.50	-0.40	0.44	-0.34	-0.22	-98.46	-479.87	-98.99	-479.34	-14.21
1	60	46	0.63	-0.61	-0.61	0.62	5.99e-02	69.05	4.07	7.05	66.08	-13.57
1	60	47	0.70	-0.72	0.67	-0.68	0.23	-13.79	-99.64	-17.73	-95.70	-17.97
1	60	48	1.13	-0.56	1.13	-0.56	-7.03e-02	-20.50	-105.32	-29.59	-96.22	-26.24
1	60	49	1.28	-0.58	1.28	-0.58	-7.19e-02	-10.36	-108.36	-27.14	-91.59	-36.91
1	60	50	1.48	-0.57	1.47	-0.57	-6.04e-02	-2.16	-113.10	-25.28	-89.98	-45.06
1	60	51	1.64	-0.57	1.63	-0.57	-7.71e-02	4.95	-117.22	-23.17	-89.10	-51.43
1	60	52	1.74	-0.61	1.73	-0.60	-0.12	10.91	-121.80	-21.08	-89.82	-56.76
1	60	53	1.75	-0.55	1.74	-0.54	-0.15	16.68	-122.85	-19.12	-87.05	-60.94
1	60	54	1.71	-0.53	1.70	-0.52	-0.16	20.61	-123.91	-17.47	-85.84	-63.66
1	60	55	1.63	-0.52	1.62	-0.50	-0.17	23.97	-123.74	-14.87	-84.89	-65.03
1	60	56	1.54	-0.53	1.52	-0.51	-0.19	25.94	-123.64	-12.40	-85.29	-65.31
1	60	57	1.40	-0.47	1.38	-0.45	-0.21	27.34	-120.19	-10.29	-82.56	-64.31

1	60	58	1.25	-0.43	1.23	-0.41	-0.20	26.75	-116.57	-8.55	-81.28	-61.75
1	60	59	1.12	-0.40	1.10	-0.38	-0.18	25.55	-111.91	-6.00	-80.37	-57.80
1	60	60	1.03	-0.40	1.01	-0.38	-0.18	23.06	-107.58	-3.85	-80.67	-52.84
1	60	61	0.96	-0.33	0.93	-0.30	-0.17	19.83	-100.66	-2.43	-78.41	-46.76
1	60	62	0.94	-0.27	0.93	-0.26	-0.12	15.22	-94.46	-1.56	-77.68	-39.48
1	60	63	1.04	-0.25	1.04	-0.24	-8.00e-02	10.86	-89.09	-0.34	-77.89	-31.52
1	60	64	1.19	-0.25	1.17	-0.23	-0.14	5.86	-86.61	-0.42	-80.33	-23.26
1	60	65	0.91	-0.58	0.71	-0.38	-0.51	5.61	-78.34	4.37	-77.11	-10.10
1	61	1	2.10	0.63	2.08	0.64	-0.14	-10.38	-460.52	-10.94	-459.96	15.86
1	61	2	0.29	-1.45	-1.17	1.76e-02	-0.63	143.85	-106.50	-69.06	106.40	89.29
1	61	3	-0.29	-1.01	-0.57	-0.73	0.35	-34.02	-149.73	-92.22	-91.52	-57.85
1	61	4	2.05	0.67	1.95	0.77	0.34	-10.26	-472.04	-10.34	-471.96	6.10
1	61	5	0.14	-0.51	-0.50	0.13	-5.28e-02	4.92	-149.64	-76.87	-67.86	77.15
1	61	6	-0.20	-1.96	-1.55	-0.61	0.74	88.31	-113.04	-83.45	58.72	-71.28
1	61	9	0.77	-0.34	0.77	-0.34	-6.31e-02	-99.56	-469.14	-100.29	-468.41	16.37
1	61	10	0.70	-0.72	0.67	-0.68	-0.23	-13.79	-99.64	-17.73	-95.70	17.97
1	61	11	0.54	-3.17e-02	0.54	-3.17e-02	-2.54e-03	-88.04	-465.92	-90.09	-463.87	27.76
1	61	12	1.13	-0.56	1.13	-0.56	7.03e-02	-20.50	-105.32	-29.59	-96.22	26.24
1	61	13	0.66	5.53e-04	0.66	3.28e-03	-4.23e-02	-87.48	-469.05	-91.25	-465.28	37.73
1	61	14	1.28	-0.58	1.28	-0.58	7.19e-02	-10.36	-108.36	-27.14	-91.59	36.91
1	61	15	0.75	-2.24e-02	0.75	-1.70e-02	-6.46e-02	-87.21	-472.15	-92.62	-466.74	45.31
1	61	16	1.48	-0.57	1.47	-0.57	6.04e-02	-2.16	-113.10	-25.28	-89.98	45.06
1	61	17	0.69	-1.09e-02	0.68	-6.15e-03	-5.77e-02	-85.12	-473.89	-92.04	-466.96	51.43
1	61	18	1.64	-0.57	1.63	-0.57	7.71e-02	4.95	-117.22	-23.17	-89.10	51.43
1	61	19	0.55	9.80e-03	0.55	1.31e-02	-4.23e-02	-82.27	-475.27	-90.73	-466.82	57.01
1	61	20	1.74	-0.61	1.73	-0.60	0.12	10.91	-121.80	-21.08	-89.82	56.76
1	61	21	0.54	-2.09e-03	0.54	-7.53e-04	-2.69e-02	-81.57	-477.62	-91.33	-467.86	61.40
1	61	22	1.75	-0.55	1.74	-0.54	0.15	16.68	-122.85	-19.12	-87.05	60.94
1	61	23	0.51	-1.63e-02	0.51	-1.60e-02	-1.34e-02	-81.34	-479.46	-91.87	-468.93	63.87
1	61	24	1.71	-0.53	1.70	-0.52	0.16	20.61	-123.91	-17.47	-85.84	63.66
1	61	25	0.36	-1.75e-03	0.36	-1.70e-03	-4.44e-03	-79.91	-479.98	-90.79	-469.10	65.06
1	61	26	1.63	-0.52	1.62	-0.50	0.17	23.97	-123.74	-14.87	-84.89	65.03
1	61	27	0.17	1.67e-02	0.17	1.68e-02	3.86e-03	-78.26	-480.04	-89.27	-469.04	65.57
1	61	28	1.54	-0.53	1.52	-0.51	0.19	25.94	-123.64	-12.40	-85.29	65.31
1	61	29	0.14	2.10e-04	0.14	1.73e-03	1.44e-02	-79.08	-480.91	-89.80	-470.19	64.75
1	61	30	1.40	-0.47	1.38	-0.45	0.21	27.34	-120.19	-10.29	-82.56	64.31
1	61	31	0.10	-1.57e-02	9.72e-02	-1.22e-02	1.98e-02	-80.42	-481.11	-90.25	-471.29	61.96
1	61	32	1.25	-0.43	1.23	-0.41	0.20	26.75	-116.57	-8.55	-81.28	61.75
1	61	33	9.40e-03	-4.34e-02	-3.79e-02	3.85e-03	1.62e-02	-80.57	-480.03	-89.13	-471.46	57.85
1	61	34	1.12	-0.40	1.10	-0.38	0.18	25.55	-111.91	-6.00	-80.37	57.80
1	61	35	2.28e-02	-0.18	-0.17	2.13e-02	1.69e-02	-80.65	-478.70	-87.84	-471.51	53.02
1	61	36	1.03	-0.40	1.01	-0.38	0.18	23.06	-107.58	-3.85	-80.67	52.84
1	61	37	7.45e-03	-0.13	-0.13	5.08e-03	1.82e-02	-83.04	-478.47	-88.71	-472.79	47.03
1	61	38	0.96	-0.33	0.93	-0.30	0.17	19.83	-100.66	-2.43	-78.41	46.76
1	61	39	-4.89e-03	-8.21e-02	-8.19e-02	-5.01e-03	2.97e-03	-85.30	-477.85	-89.32	-473.83	39.52
1	61	40	0.94	-0.27	0.93	-0.26	0.12	15.22	-94.46	-1.56	-77.68	39.48
1	61	41	1.74e-02	-0.11	-0.11	1.68e-02	-8.99e-03	-85.76	-476.10	-88.28	-473.59	31.22
1	61	42	1.04	-0.25	1.04	-0.24	8.00e-02	10.86	-89.09	-0.34	-77.89	31.52
1	61	43	8.42e-03	-0.10	-7.51e-02	-1.87e-02	4.76e-02	-86.36	-474.75	-87.74	-473.37	23.08
1	61	44	1.19	-0.25	1.17	-0.23	0.14	5.86	-86.61	-0.42	-80.33	23.26
1	61	45	0.50	-0.40	0.44	-0.34	0.22	-98.46	-479.87	-98.99	-479.34	14.21
1	61	46	0.91	-0.58	0.71	-0.38	0.51	5.61	-78.34	4.37	-77.11	10.10
1	61	47	0.92	3.29e-03	1.49e-02	0.91	0.10	108.66	24.69	26.80	106.55	13.15
1	61	48	0.58	0.10	0.11	0.56	-7.54e-02	113.01	26.52	35.20	104.33	25.98
1	61	49	0.59	-5.18e-02	-1.07e-02	0.54	-0.16	115.36	16.88	32.50	99.73	35.98
1	61	50	0.59	-0.26	-0.21	0.55	-0.19	119.08	6.85	28.54	97.40	44.32
1	61	51	0.58	-0.43	-0.39	0.54	-0.19	122.29	-4.99e-02	27.21	95.03	50.91
1	61	52	0.60	-0.58	-0.55	0.56	-0.20	125.90	-4.99	26.78	94.13	56.12
1	61	53	0.56	-0.74	-0.71	0.53	-0.20	126.12	-11.10	24.35	90.67	60.06
1	61	54	0.54	-0.87	-0.84	0.51	-0.19	126.37	-15.83	22.07	88.48	62.87
1	61	55	0.52	-0.96	-0.94	0.49	-0.18	125.78	-18.43	21.31	86.04	64.43
1	61	56	0.52	-1.03	-1.01	0.50	-0.18	125.01	-19.13	20.97	84.91	64.59
1	61	57	0.48	-1.10	-1.08	0.46	-0.18	120.81	-20.70	18.60	81.51	63.38
1	61	58	0.45	-1.14	-1.12	0.43	-0.16	116.37	-20.74	16.41	79.22	60.94
1	61	59	0.41	-1.14	-1.13	0.40	-0.15	111.10	-18.59	15.72	76.80	57.20
1	61	60	0.40	-1.13	-1.12	0.39	-0.14	105.65	-14.73	15.32	75.60	52.10
1	61	61	0.35	-1.12	-1.11	0.34	-0.13	97.55	-11.79	13.09	72.67	45.84
1	61	62	0.32	-1.10	-1.09	0.31	-0.12	90.09	-7.69	11.47	70.92	38.81
1	61	63	0.30	-1.05	-1.05	0.29	-9.80e-02	83.04	-1.92	11.69	69.43	31.16
1	61	64	0.32	-0.91	-0.90	0.32	-4.11e-02	76.84	3.16	10.58	69.41	22.18
1	61	65	0.63	-0.61	-0.61	0.62	-5.99e-02	69.05	4.07	7.05	66.08	13.57
1	62	1	1.97	0.75	1.95	0.77	0.14	-9.79	-472.51	-10.34	-471.96	-15.86
1	62	2	-0.41	-0.93	-0.72	-0.61	-0.25	-38.84	-156.43	-91.74	-103.53	58.50
1	62	3	0.31	-1.51	-1.33	0.14	0.54	134.27	-108.45	-68.58	94.39	-89.93
1	62	4	2.16	0.56	2.08	0.64	-0.34	-10.85	-460.05	-10.94	-459.96	-6.10



1	62	5	-0.16	-1.96	-1.39	-0.73	-0.83	98.14	-111.34	-83.93	70.73	70.64
1	62	6	6.67e-02	-0.40	-0.35	1.44e-02	0.15	10.65	-143.85	-77.35	-55.85	-76.50
1	62	9	0.44	-0.34	0.44	-0.34	6.31e-02	-98.29	-480.04	-98.99	-479.34	-16.37
1	62	10	0.96	-0.32	-0.28	0.92	-0.22	98.33	25.26	27.97	95.61	-13.82
1	62	11	-1.86e-02	-7.52e-02	-7.51e-02	-1.87e-02	2.54e-03	-85.75	-475.36	-87.74	-473.37	-27.76
1	62	12	0.61	-0.38	-0.37	0.60	-8.62e-02	105.30	27.00	37.48	94.82	-26.65
1	62	13	2.96e-02	-0.12	-0.11	1.68e-02	4.23e-02	-84.62	-477.25	-88.28	-473.59	-37.73
1	62	14	0.59	-0.65	-0.65	0.58	-4.67e-02	109.54	17.38	35.49	91.43	-36.63
1	62	15	3.17e-02	-0.12	-8.19e-02	-5.01e-03	6.46e-02	-84.05	-479.10	-89.32	-473.83	-45.31
1	62	16	0.58	-0.92	-0.92	0.58	-5.65e-02	114.76	7.42	31.86	90.31	-45.02
1	62	17	2.61e-02	-0.15	-0.13	5.08e-03	5.77e-02	-81.94	-479.56	-88.71	-472.79	-51.43
1	62	18	0.58	-1.11	-1.10	0.57	-9.27e-02	119.24	0.48	30.52	89.20	-51.63
1	62	19	3.01e-02	-0.18	-0.17	2.13e-02	4.23e-02	-79.55	-479.80	-87.84	-471.51	-57.01
1	62	20	0.60	-1.20	-1.19	0.59	-0.12	123.74	-4.64	29.67	89.44	-56.81
1	62	21	1.70e-02	-5.10e-02	-3.79e-02	3.85e-03	2.69e-02	-79.52	-481.08	-89.13	-471.46	-61.40
1	62	22	0.55	-1.25	-1.24	0.54	-0.14	124.74	-11.07	26.59	87.08	-60.80
1	62	23	9.88e-02	-1.38e-02	9.72e-02	-1.22e-02	1.34e-02	-79.82	-481.71	-90.25	-471.29	-63.87
1	62	24	0.54	-1.23	-1.22	0.53	-0.16	125.82	-16.00	23.70	86.12	-63.67
1	62	25	0.14	1.58e-03	0.14	1.73e-03	4.44e-03	-78.98	-481.01	-89.80	-470.19	-65.06
1	62	26	0.52	-1.15	-1.13	0.50	-0.19	125.94	-18.75	22.24	84.95	-65.20
1	62	27	0.17	1.67e-02	0.17	1.68e-02	-3.86e-03	-78.26	-480.04	-89.27	-469.04	-65.57
1	62	28	0.52	-1.03	-1.01	0.50	-0.19	125.66	-19.77	20.97	84.91	-65.31
1	62	29	0.36	-2.27e-03	0.36	-1.70e-03	-1.44e-02	-80.01	-479.88	-90.79	-469.10	-64.75
1	62	30	0.47	-0.92	-0.89	0.45	-0.19	122.03	-21.75	17.67	82.61	-64.14
1	62	31	0.51	-1.67e-02	0.51	-1.60e-02	-1.98e-02	-81.95	-478.86	-91.87	-468.93	-61.96
1	62	32	0.45	-0.78	-0.75	0.42	-0.20	118.37	-22.02	14.78	81.57	-61.74
1	62	33	0.54	-1.24e-03	0.54	-7.53e-04	-1.62e-02	-82.64	-476.55	-91.33	-467.86	-57.85
1	62	34	0.42	-0.64	-0.60	0.38	-0.19	113.84	-19.97	13.47	80.39	-57.94
1	62	35	0.55	1.26e-02	0.55	1.31e-02	-1.69e-02	-83.40	-474.15	-90.73	-466.82	-53.02
1	62	36	0.40	-0.51	-0.47	0.36	-0.17	109.12	-16.39	12.43	80.29	-52.79
1	62	37	0.69	-6.62e-03	0.68	-6.15e-03	-1.82e-02	-86.23	-472.77	-92.04	-466.96	-47.03
1	62	38	0.34	-0.43	-0.40	0.31	-0.15	102.01	-13.72	9.78	78.50	-46.56
1	62	39	0.75	-1.70e-02	0.75	-1.70e-02	-2.97e-03	-88.49	-470.87	-92.62	-466.74	-39.52
1	62	40	0.30	-0.40	-0.37	0.27	-0.13	95.82	-9.67	8.15	78.01	-39.52
1	62	41	0.66	3.15e-03	0.66	3.28e-03	8.99e-03	-88.66	-467.87	-91.25	-465.28	-31.22
1	62	42	0.26	-0.43	-0.41	0.25	-0.11	90.15	-3.72	8.69	77.73	-31.81
1	62	43	0.54	-3.56e-02	0.54	-3.17e-02	-4.76e-02	-88.67	-465.29	-90.09	-463.87	-23.08
1	62	44	0.30	-0.44	-0.42	0.28	-0.12	85.67	1.56	8.30	78.93	-22.85
1	62	45	0.81	-0.38	0.77	-0.34	-0.22	-99.74	-468.96	-100.29	-468.41	-14.21
1	62	46	0.62	-0.32	-0.32	0.62	-5.82e-02	79.76	3.12	5.87	77.01	-14.25
1	62	47	0.48	-0.78	0.37	-0.67	0.35	-13.35	-109.84	-16.55	-106.64	-17.30
1	62	48	0.65	-0.52	0.64	-0.52	9.12e-02	-19.71	-113.34	-27.31	-105.74	-25.57
1	62	49	0.65	-0.55	0.64	-0.54	0.13	-9.58	-114.45	-24.14	-99.89	-36.26
1	62	50	0.79	-0.56	0.76	-0.54	0.19	-1.39	-117.63	-21.95	-97.07	-44.35
1	62	51	0.95	-0.57	0.93	-0.54	0.21	5.70	-120.49	-19.86	-94.93	-50.71
1	62	52	1.11	-0.60	1.09	-0.58	0.20	11.47	-124.17	-18.20	-94.51	-56.07
1	62	53	1.23	-0.55	1.21	-0.53	0.19	16.84	-124.36	-16.88	-90.65	-60.20
1	62	54	1.34	-0.52	1.32	-0.51	0.19	20.52	-124.54	-15.84	-88.19	-62.86
1	62	55	1.45	-0.51	1.43	-0.49	0.20	23.71	-123.64	-13.93	-85.99	-64.26
1	62	56	1.54	-0.53	1.52	-0.51	0.18	25.32	-123.01	-12.40	-85.29	-64.59
1	62	58	1.61	-0.43	1.60	-0.42	0.16	25.42	-114.53	-10.18	-78.93	-60.95
1	62	59	1.64	-0.41	1.63	-0.40	0.16	24.05	-109.07	-8.24	-76.77	-57.07
1	62	60	1.67	-0.41	1.66	-0.40	0.14	21.24	-103.95	-6.73	-75.98	-52.15
1	62	61	1.65	-0.34	1.64	-0.34	0.12	17.73	-96.05	-5.74	-72.57	-46.04
1	62	62	1.65	-0.30	1.64	-0.30	0.12	13.08	-88.56	-4.88	-70.60	-38.78
1	62	63	1.68	-0.29	1.67	-0.28	0.12	8.83	-81.75	-3.33	-69.59	-30.88
1	62	64	1.66	-0.27	1.66	-0.27	2.52e-02	4.11	-77.63	-2.70	-70.82	-22.59
1	62	65	1.10	-0.49	1.00	-0.39	-0.39	4.46	-67.43	3.20	-66.17	-9.42
1	63	1	1.97	0.75	1.95	0.77	-0.14	-9.79	-472.51	-10.34	-471.96	15.86
1	63	2	0.31	-1.51	-1.33	0.14	-0.54	134.27	-108.45	-68.58	94.39	89.93
1	63	3	-0.41	-0.93	-0.72	-0.61	0.25	-38.84	-156.43	-91.74	-103.53	-58.50
1	63	4	2.16	0.56	2.08	0.64	0.34	-10.85	-460.05	-10.94	-459.96	6.10
1	63	5	6.67e-02	-0.40	-0.35	1.44e-02	-0.15	10.65	-143.85	-77.35	-55.85	76.50
1	63	6	-0.16	-1.96	-1.39	-0.73	0.83	98.14	-111.34	-83.93	70.73	-70.64
1	63	9	0.44	-0.34	0.44	-0.34	-6.31e-02	-98.29	-480.04	-98.99	-479.34	16.37
1	63	10	0.48	-0.78	0.37	-0.67	-0.35	-13.35	-109.84	-16.55	-106.64	17.30
1	63	11	-1.86e-02	-7.52e-02	-7.51e-02	-1.87e-02	-2.54e-03	-85.75	-475.36	-87.74	-473.37	27.76
1	63	12	0.65	-0.52	0.64	-0.52	-9.12e-02	-19.71	-113.34	-27.31	-105.74	25.57
1	63	13	2.96e-02	-0.12	-0.11	1.68e-02	-4.23e-02	-84.62	-477.25	-88.28	-473.59	37.73
1	63	14	0.65	-0.55	0.64	-0.54	-0.13	-9.58	-114.45	-24.14	-99.89	36.26
1	63	15	3.17e-02	-0.12	-8.19e-02	-5.01e-03	-6.46e-02	-84.05	-479.10	-89.32	-473.83	45.31
1	63	16	0.79	-0.56	0.76	-0.54	-0.19	-1.39	-117.63	-21.95	-97.07	44.35
1	63	17	2.61e-02	-0.15	-0.13	5.08e-03	-5.77e-02	-81.94	-479.56	-88.71	-472.79	51.43
1	63	18	0.95	-0.57	0.93	-0.54	-0.21	5.70	-120.49	-19.86	-94.93	50.71
1	63	19	3.01e-02	-0.18	-0.17	2.13e-02	-4.23e-02	-79.55	-479.80	-87.84	-471.51	57.01

1	63	20	1.11	-0.60	1.09	-0.58	-0.20	11.47	-124.17	-18.20	-94.51	56.07
1	63	21	1.70e-02	-5.10e-02	-3.79e-02	3.85e-03	-2.69e-02	-79.52	-481.08	-89.13	-471.46	61.40
1	63	22	1.23	-0.55	1.21	-0.53	-0.19	16.84	-124.36	-16.88	-90.65	60.20
1	63	23	9.88e-02	-1.38e-02	9.72e-02	-1.22e-02	-1.34e-02	-79.82	-481.71	-90.25	-471.29	63.87
1	63	24	1.34	-0.52	1.32	-0.51	-0.19	20.52	-124.54	-15.84	-88.19	62.86
1	63	25	0.14	1.58e-03	0.14	1.73e-03	-4.44e-03	-78.98	-481.01	-89.80	-470.19	65.06
1	63	26	1.45	-0.51	1.43	-0.49	-0.20	23.71	-123.64	-13.93	-85.99	64.26
1	63	27	0.17	1.67e-02	0.17	1.68e-02	3.86e-03	-78.26	-480.04	-89.27	-469.04	65.57
1	63	28	1.54	-0.53	1.52	-0.51	-0.18	25.32	-123.01	-12.40	-85.29	64.59
1	63	29	0.36	-2.27e-03	0.36	-1.70e-03	1.44e-02	-80.01	-479.88	-90.79	-469.10	64.75
1	63	30	1.58	-0.47	1.57	-0.46	-0.16	26.26	-118.95	-11.23	-81.46	63.54
1	63	31	0.51	-1.67e-02	0.51	-1.60e-02	1.98e-02	-81.95	-478.86	-91.87	-468.93	61.96
1	63	32	1.61	-0.43	1.60	-0.42	-0.16	25.42	-114.53	-10.18	-78.93	60.95
1	63	33	0.54	-1.24e-03	0.54	-7.53e-04	1.62e-02	-82.64	-476.55	-91.33	-467.86	57.85
1	63	34	1.64	-0.41	1.63	-0.40	-0.16	24.05	-109.07	-8.24	-76.77	57.07
1	63	35	0.55	1.26e-02	0.55	1.31e-02	1.69e-02	-83.40	-474.15	-90.73	-466.82	53.02
1	63	36	1.67	-0.41	1.66	-0.40	-0.14	21.24	-103.95	-6.73	-75.98	52.15
1	63	37	0.69	-6.62e-03	0.68	-6.15e-03	1.82e-02	-86.23	-472.77	-92.04	-466.96	47.03
1	63	38	1.65	-0.34	1.64	-0.34	-0.12	17.73	-96.05	-5.74	-72.57	46.04
1	63	39	0.75	-1.70e-02	0.75	-1.70e-02	2.97e-03	-88.49	-470.87	-92.62	-466.74	39.52
1	63	40	1.65	-0.30	1.64	-0.30	-0.12	13.08	-88.56	-4.88	-70.60	38.78
1	63	41	0.66	3.15e-03	0.66	3.28e-03	-8.99e-03	-88.66	-467.87	-91.25	-465.28	31.22
1	63	42	1.68	-0.29	1.67	-0.28	-0.12	8.83	-81.75	-3.33	-69.59	30.88
1	63	43	0.54	-3.56e-02	0.54	-3.17e-02	4.76e-02	-88.67	-465.29	-90.09	-463.87	23.08
1	63	44	1.66	-0.27	1.66	-0.27	-2.52e-02	4.11	-77.63	-2.70	-70.82	22.59
1	63	45	0.81	-0.38	0.77	-0.34	0.22	-99.74	-468.96	-100.29	-468.41	14.21
1	63	46	1.10	-0.49	1.00	-0.39	0.39	4.46	-67.43	3.20	-66.17	9.42
1	63	47	0.96	-0.32	-0.28	0.92	0.22	98.33	25.26	27.97	95.61	13.82
1	63	48	0.61	-0.38	-0.37	0.60	8.62e-02	105.30	27.00	37.48	94.82	26.65
1	63	49	0.59	-0.65	-0.65	0.58	4.67e-02	109.54	17.38	35.49	91.43	36.63
1	63	50	0.58	-0.92	-0.92	0.58	5.65e-02	114.76	7.42	31.86	90.31	45.02
1	63	51	0.58	-1.11	-1.10	0.57	9.27e-02	119.24	0.48	30.52	89.20	51.63
1	63	52	0.60	-1.20	-1.19	0.59	0.12	123.74	-4.64	29.67	89.44	56.81
1	63	53	0.55	-1.25	-1.24	0.54	0.14	124.74	-11.07	26.59	87.08	60.80
1	63	54	0.54	-1.23	-1.22	0.53	0.16	125.82	-16.00	23.70	86.12	63.67
1	63	55	0.52	-1.15	-1.13	0.50	0.19	125.94	-18.75	22.24	84.95	65.20
1	63	56	0.52	-1.03	-1.01	0.50	0.19	125.66	-19.77	20.97	84.91	65.31
1	63	57	0.47	-0.92	-0.89	0.45	0.19	122.03	-21.75	17.67	82.61	64.14
1	63	58	0.45	-0.78	-0.75	0.42	0.20	118.37	-22.02	14.78	81.57	61.74
1	63	59	0.42	-0.64	-0.60	0.38	0.19	113.84	-19.97	13.47	80.39	57.94
1	63	60	0.40	-0.51	-0.47	0.36	0.17	109.12	-16.39	12.43	80.29	52.79
1	63	61	0.34	-0.43	-0.40	0.31	0.15	102.01	-13.72	9.78	78.50	46.56
1	63	62	0.30	-0.40	-0.37	0.27	0.13	95.82	-9.67	8.15	78.01	39.52
1	63	63	0.26	-0.43	-0.41	0.25	0.11	90.15	-3.72	8.69	77.73	31.81
1	63	64	0.30	-0.44	-0.42	0.28	0.12	85.67	1.56	8.30	78.93	22.85
1	63	65	0.62	-0.32	-0.32	0.62	5.82e-02	79.76	3.12	5.87	77.01	14.25
1	64	1	2.10	0.63	2.08	0.64	0.14	-10.38	-460.52	-10.94	-459.96	-15.86
1	64	2	-0.29	-1.01	-0.57	-0.73	-0.35	-34.02	-149.73	-92.22	-91.52	57.85
1	64	3	0.29	-1.45	-1.17	1.76e-02	0.63	143.85	-106.50	-69.06	106.40	-89.29
1	64	4	2.05	0.67	1.95	0.77	-0.34	-10.26	-472.04	-10.34	-471.96	-6.10
1	64	5	-0.20	-1.96	-1.55	-0.61	-0.74	88.31	-113.04	-83.45	58.72	71.28
1	64	6	0.14	-0.51	-0.50	0.13	5.28e-02	4.92	-149.64	-76.87	-67.86	-77.15
1	64	9	0.77	-0.34	0.77	-0.34	6.31e-02	-99.56	-469.14	-100.29	-468.41	-16.37
1	64	10	0.92	3.29e-03	1.49e-02	0.91	-0.10	108.66	24.69	26.80	106.55	-13.15
1	64	11	0.54	-3.17e-02	0.54	-3.17e-02	2.54e-03	-88.04	-465.92	-90.09	-463.87	-27.76
1	64	12	0.58	0.10	0.11	0.56	7.54e-02	113.01	26.52	35.20	104.33	-25.98
1	64	13	0.66	5.53e-04	0.66	3.28e-03	4.23e-02	-87.48	-469.05	-91.25	-465.28	-37.73
1	64	14	0.59	-5.18e-02	-1.07e-02	0.54	0.16	115.36	16.88	32.50	99.73	-35.98
1	64	15	0.75	-2.24e-02	0.75	-1.70e-02	6.46e-02	-87.21	-472.15	-92.62	-466.74	-45.31
1	64	16	0.59	-0.26	-0.21	0.55	0.19	119.08	6.85	28.54	97.40	-44.32
1	64	17	0.69	-1.09e-02	0.68	-6.15e-03	5.77e-02	-85.12	-473.89	-92.04	-466.96	-51.43
1	64	18	0.58	-0.43	-0.39	0.54	0.19	122.29	-4.99e-02	27.21	95.03	-50.91
1	64	19	0.55	9.80e-03	0.55	1.31e-02	4.23e-02	-82.27	-475.27	-90.73	-466.82	-57.01
1	64	20	0.60	-0.58	-0.55	0.56	0.20	125.90	-4.99	26.78	94.13	-56.12
1	64	21	0.54	-2.09e-03	0.54	-7.53e-04	2.69e-02	-81.57	-477.62	-91.33	-467.86	-61.40
1	64	22	0.56	-0.74	-0.71	0.53	0.20	126.12	-11.10	24.35	90.67	-60.06
1	64	23	0.51	-1.63e-02	0.51	-1.60e-02	1.34e-02	-81.34	-479.46	-91.87	-468.93	-63.87
1	64	24	0.54	-0.87	-0.84	0.51	0.19	126.37	-15.83	22.07	88.48	-62.87
1	64	25	0.36	-1.75e-03	0.36	-1.70e-03	4.44e-03	-79.91	-479.98	-90.79	-469.10	-65.06
1	64	26	0.52	-0.96	-0.94	0.49	0.18	125.78	-18.43	21.31	86.04	-64.43
1	64	27	0.17	1.67e-02	0.17	1.68e-02	-3.86e-03	-78.26	-480.04	-89.27	-469.04	-65.57
1	64	28	0.52	-1.03	-1.01	0.50	0.18	125.01	-19.13	20.97	84.91	-64.59
1	64	29	0.14	2.10e-04	0.14	1.73e-03	-1.44e-02	-79.08	-480.91	-89.80	-470.19	-64.75
1	64	30	0.48	-1.10	-1.08	0.46	0.18	120.81	-20.70	18.60	81.51	-63.38
1	64	31	0.10	-1.57e-02	9.72e-02	-1.22e-02	-1.98e-02	-80.42	-481.11	-90.25	-471.29	-61.96

1	64	32	0.45	-1.14	-1.12	0.43	0.16	116.37	-20.74	16.41	79.22	-60.94
1	64	33	9.40e-03	-4.34e-02	-3.79e-02	3.85e-03	-1.62e-02	-80.57	-480.03	-89.13	-471.46	-57.85
1	64	34	0.41	-1.14	-1.13	0.40	0.15	111.10	-18.59	15.72	76.80	-57.20
1	64	35	2.28e-02	-0.18	-0.17	2.13e-02	-1.69e-02	-80.65	-478.70	-87.84	-471.51	-53.02
1	64	36	0.40	-1.13	-1.12	0.39	0.14	105.65	-14.73	15.32	75.60	-52.10
1	64	37	7.45e-03	-0.13	-0.13	5.08e-03	-1.82e-02	-83.04	-478.47	-88.71	-472.79	-47.03
1	64	38	0.35	-1.12	-1.11	0.34	0.13	97.55	-11.79	13.09	72.67	-45.84
1	64	39	-4.89e-03	-8.21e-02	-8.19e-02	-5.01e-03	-2.97e-03	-85.30	-477.85	-89.32	-473.83	-39.52
1	64	40	0.32	-1.10	-1.09	0.31	0.12	90.09	-7.69	11.47	70.92	-38.81
1	64	41	1.74e-02	-0.11	-0.11	1.68e-02	8.99e-03	-85.76	-476.10	-88.28	-473.59	-31.22
1	64	42	0.30	-1.05	-1.05	0.29	9.80e-02	83.04	-1.92	11.69	69.43	-31.16
1	64	43	8.42e-03	-0.10	-7.51e-02	-1.87e-02	-4.76e-02	-86.36	-474.75	-87.74	-473.37	-23.08
1	64	44	0.32	-0.91	-0.90	0.32	4.11e-02	76.84	3.16	10.58	69.41	-22.18
1	64	45	0.50	-0.40	0.44	-0.34	-0.22	-98.46	-479.87	-98.99	-479.34	-14.21
1	64	46	0.63	-0.61	-0.61	0.62	5.99e-02	69.05	4.07	7.05	66.08	-13.57
1	64	47	0.70	-0.72	0.67	-0.68	0.23	-13.79	-99.64	-17.73	-95.70	-17.97
1	64	48	1.13	-0.56	1.13	-0.56	-7.03e-02	-20.50	-105.32	-29.59	-96.22	-26.24
1	64	49	1.28	-0.58	1.28	-0.58	-7.19e-02	-10.36	-108.36	-27.14	-91.59	-36.91
1	64	50	1.48	-0.57	1.47	-0.57	-6.04e-02	-2.16	-113.10	-25.28	-89.98	-45.06
1	64	51	1.64	-0.57	1.63	-0.57	-7.71e-02	4.95	-117.22	-23.17	-89.10	-51.43
1	64	52	1.74	-0.61	1.73	-0.60	-0.12	10.91	-121.80	-21.08	-89.82	-56.76
1	64	53	1.75	-0.55	1.74	-0.54	-0.15	16.68	-122.85	-19.12	-87.05	-60.94
1	64	54	1.71	-0.53	1.70	-0.52	-0.16	20.61	-123.91	-17.47	-85.84	-63.66
1	64	55	1.63	-0.52	1.62	-0.50	-0.17	23.97	-123.74	-14.87	-84.89	-65.03
1	64	56	1.54	-0.53	1.52	-0.51	-0.19	25.94	-123.64	-12.40	-85.29	-65.31
1	64	57	1.40	-0.47	1.38	-0.45	-0.21	27.34	-120.19	-10.29	-82.56	-64.31
1	64	58	1.25	-0.43	1.23	-0.41	-0.20	26.75	-116.57	-8.55	-81.28	-61.75
1	64	59	1.12	-0.40	1.10	-0.38	-0.18	25.55	-111.91	-6.00	-80.37	-57.80
1	64	60	1.03	-0.40	1.01	-0.38	-0.18	23.06	-107.58	-3.85	-80.67	-52.84
1	64	61	0.96	-0.33	0.93	-0.30	-0.17	19.83	-100.66	-2.43	-78.41	-46.76
1	64	62	0.94	-0.27	0.93	-0.26	-0.12	15.22	-94.46	-1.56	-77.68	-39.48
1	64	63	1.04	-0.25	1.04	-0.24	-8.00e-02	10.86	-89.09	-0.34	-77.89	-31.52
1	64	64	1.19	-0.25	1.17	-0.23	-0.14	5.86	-86.61	-0.42	-80.33	-23.26
1	64	65	0.91	-0.58	0.71	-0.38	-0.51	5.61	-78.34	4.37	-77.11	-10.10
1	65	1	2.10	0.63	2.08	0.64	-0.14	-10.38	-460.52	-10.94	-459.96	15.86
1	65	2	0.29	-1.45	-1.17	1.76e-02	-0.63	143.85	-106.50	-69.06	106.40	89.29
1	65	3	-0.29	-1.01	-0.57	-0.73	0.35	-34.02	-149.73	-92.22	-91.52	-57.85
1	65	4	2.05	0.67	1.95	0.77	0.34	-10.26	-472.04	-10.34	-471.96	6.10
1	65	5	0.14	-0.51	-0.50	0.13	-5.28e-02	4.92	-149.64	-76.87	-67.86	77.15
1	65	6	-0.20	-1.96	-1.55	-0.61	0.74	88.31	-113.04	-83.45	58.72	-71.28
1	65	9	0.77	-0.34	0.77	-0.34	-6.31e-02	-99.56	-469.14	-100.29	-468.41	16.37
1	65	10	0.70	-0.72	0.67	-0.68	-0.23	-13.79	-99.64	-17.73	-95.70	17.97
1	65	11	0.54	-3.17e-02	0.54	-3.17e-02	-2.54e-03	-88.04	-465.92	-90.09	-463.87	27.76
1	65	12	1.13	-0.56	1.13	-0.56	7.03e-02	-20.50	-105.32	-29.59	-96.22	26.24
1	65	13	0.66	5.53e-04	0.66	3.28e-03	-4.23e-02	-87.48	-469.05	-91.25	-465.28	37.73
1	65	14	1.28	-0.58	1.28	-0.58	7.19e-02	-10.36	-108.36	-27.14	-91.59	36.91
1	65	15	0.75	-2.24e-02	0.75	-1.70e-02	-6.46e-02	-87.21	-472.15	-92.62	-466.74	45.31
1	65	16	1.48	-0.57	1.47	-0.57	6.04e-02	-2.16	-113.10	-25.28	-89.98	45.06
1	65	17	0.69	-1.09e-02	0.68	-6.15e-03	-5.77e-02	-85.12	-473.89	-92.04	-466.96	51.43
1	65	18	1.64	-0.57	1.63	-0.57	7.71e-02	4.95	-117.22	-23.17	-89.10	51.43
1	65	19	0.55	9.80e-03	0.55	1.31e-02	-4.23e-02	-82.27	-475.27	-90.73	-466.82	57.01
1	65	20	1.74	-0.61	1.73	-0.60	0.12	10.91	-121.80	-21.08	-89.82	56.76
1	65	21	0.54	-2.09e-03	0.54	-7.53e-04	-2.69e-02	-81.57	-477.62	-91.33	-467.86	61.40
1	65	22	1.75	-0.55	1.74	-0.54	0.15	16.68	-122.85	-19.12	-87.05	60.94
1	65	23	0.51	-1.63e-02	0.51	-1.60e-02	-1.34e-02	-81.34	-479.46	-91.87	-468.93	63.87
1	65	24	1.71	-0.53	1.70	-0.52	0.16	20.61	-123.91	-17.47	-85.84	63.66
1	65	25	0.36	-1.75e-03	0.36	-1.70e-03	-4.44e-03	-79.91	-479.98	-90.79	-469.10	65.06
1	65	26	1.63	-0.52	1.62	-0.50	0.17	23.97	-123.74	-14.87	-84.89	65.03
1	65	27	0.17	1.67e-02	0.17	1.68e-02	3.86e-03	-78.26	-480.04	-89.27	-469.04	65.57
1	65	28	1.54	-0.53	1.52	-0.51	0.19	25.94	-123.64	-12.40	-85.29	65.31
1	65	29	0.14	2.10e-04	0.14	1.73e-03	1.44e-02	-79.08	-480.91	-89.80	-470.19	64.75
1	65	30	1.40	-0.47	1.38	-0.45	0.21	27.34	-120.19	-10.29	-82.56	64.31
1	65	31	0.10	-1.57e-02	9.72e-02	-1.22e-02	1.98e-02	-80.42	-481.11	-90.25	-471.29	61.96
1	65	32	1.25	-0.43	1.23	-0.41	0.20	26.75	-116.57	-8.55	-81.28	61.75
1	65	33	9.40e-03	-4.34e-02	-3.79e-02	3.85e-03	1.62e-02	-80.57	-480.03	-89.13	-471.46	57.85
1	65	34	1.12	-0.40	1.10	-0.38	0.18	25.55	-111.91	-6.00	-80.37	57.80
1	65	35	2.28e-02	-0.18	-0.17	2.13e-02	1.69e-02	-80.65	-478.70	-87.84	-471.51	53.02
1	65	36	1.03	-0.40	1.01	-0.38	0.18	23.06	-107.58	-3.85	-80.67	52.84
1	65	37	7.45e-03	-0.13	-0.13	5.08e-03	1.82e-02	-83.04	-478.47	-88.71	-472.79	47.03
1	65	38	0.96	-0.33	0.93	-0.30	0.17	19.83	-100.66	-2.43	-78.41	46.76
1	65	39	-4.89e-03	-8.21e-02	-8.19e-02	-5.01e-03	2.97e-03	-85.30	-477.85	-89.32	-473.83	39.52
1	65	40	0.94	-0.27	0.93	-0.26	0.12	15.22	-94.46	-1.56	-77.68	39.48
1	65	41	1.74e-02	-0.11	-0.11	1.68e-02	-8.99e-03	-85.76	-476.10	-88.28	-473.59	31.22
1	65	42	1.04	-0.25	1.04	-0.24	8.00e-02	10.86	-89.09	-0.34	-77.89	31.52
1	65	43	8.42e-03	-0.10	-7.51e-02	-1.87e-02	4.76e-02	-86.36	-474.75	-87.74	-473.37	23.08

1	65	44	1.19	-0.25	1.17	-0.23	0.14	5.86	-86.61	-0.42	-80.33	23.26
1	65	45	0.50	-0.40	0.44	-0.34	0.22	-98.46	-479.87	-98.99	-479.34	14.21
1	65	46	0.91	-0.58	0.71	-0.38	0.51	5.61	-78.34	4.37	-77.11	10.10
1	65	47	0.92	3.29e-03	1.49e-02	0.91	0.10	108.66	24.69	26.80	106.55	13.15
1	65	48	0.58	0.10	0.11	0.56	-7.54e-02	113.01	26.52	35.20	104.33	25.98
1	65	49	0.59	-5.18e-02	-1.07e-02	0.54	-0.16	115.36	16.88	32.50	99.73	35.98
1	65	50	0.59	-0.26	-0.21	0.55	-0.19	119.08	6.85	28.54	97.40	44.32
1	65	51	0.58	-0.43	-0.39	0.54	-0.19	122.29	-4.99e-02	27.21	95.03	50.91
1	65	52	0.60	-0.58	-0.55	0.56	-0.20	125.90	-4.99	26.78	94.13	56.12
1	65	53	0.56	-0.74	-0.71	0.53	-0.20	126.12	-11.10	24.35	90.67	60.06
1	65	54	0.54	-0.87	-0.84	0.51	-0.19	126.37	-15.83	22.07	88.48	62.87
1	65	55	0.52	-0.96	-0.94	0.49	-0.18	125.78	-18.43	21.31	86.04	64.43
1	65	56	0.52	-1.03	-1.01	0.50	-0.18	125.01	-19.13	20.97	84.91	64.59
1	65	58	0.45	-1.14	-1.12	0.43	-0.16	116.37	-20.74	16.41	79.22	60.94
1	65	59	0.41	-1.14	-1.13	0.40	-0.15	111.10	-18.59	15.72	76.80	57.20
1	65	60	0.40	-1.13	-1.12	0.39	-0.14	105.65	-14.73	15.32	75.60	52.10
1	65	61	0.35	-1.12	-1.11	0.34	-0.13	97.55	-11.79	13.09	72.67	45.84
1	65	62	0.32	-1.10	-1.09	0.31	-0.12	90.09	-7.69	11.47	70.92	38.81
1	65	63	0.30	-1.05	-1.05	0.29	-9.80e-02	83.04	-1.92	11.69	69.43	31.16
1	65	64	0.32	-0.91	-0.90	0.32	-4.11e-02	76.84	3.16	10.58	69.41	22.18
1	65	65	0.63	-0.61	-0.61	0.62	-5.99e-02	69.05	4.07	7.05	66.08	13.57
1	66	1	1.97	0.75	1.95	0.77	0.14	-9.79	-472.51	-10.34	-471.96	-15.86
1	66	2	-0.41	-0.93	-0.72	-0.61	-0.25	-38.84	-156.43	-91.74	-103.53	58.50
1	66	3	0.31	-1.51	-1.33	0.14	0.54	134.27	-108.45	-68.58	94.39	-89.93
1	66	4	2.16	0.56	2.08	0.64	-0.34	-10.85	-460.05	-10.94	-459.96	-6.10
1	66	5	-0.16	-1.96	-1.39	-0.73	-0.83	98.14	-111.34	-83.93	70.73	70.64
1	66	6	6.67e-02	-0.40	-0.35	1.44e-02	0.15	10.65	-143.85	-77.35	-55.85	-76.50
1	66	9	0.44	-0.34	0.44	-0.34	6.31e-02	-98.29	-480.04	-98.99	-479.34	-16.37
1	66	10	0.96	-0.32	-0.28	0.92	-0.22	98.33	25.26	27.97	95.61	-13.82
1	66	11	-1.86e-02	-7.52e-02	-7.51e-02	-1.87e-02	2.54e-03	-85.75	-475.36	-87.74	-473.37	-27.76
1	66	12	0.61	-0.38	-0.37	0.60	-8.62e-02	105.30	27.00	37.48	94.82	-26.65
1	66	13	2.96e-02	-0.12	-0.11	1.68e-02	4.23e-02	-84.62	-477.25	-88.28	-473.59	-37.73
1	66	14	0.59	-0.65	-0.65	0.58	-4.67e-02	109.54	17.38	35.49	91.43	-36.63
1	66	15	3.17e-02	-0.12	-8.19e-02	-5.01e-03	6.46e-02	-84.05	-479.10	-89.32	-473.83	-45.31
1	66	16	0.58	-0.92	-0.92	0.58	-5.65e-02	114.76	7.42	31.86	90.31	-45.02
1	66	17	2.61e-02	-0.15	-0.13	5.08e-03	5.77e-02	-81.94	-479.56	-88.71	-472.79	-51.43
1	66	18	0.58	-1.11	-1.10	0.57	-9.27e-02	119.24	0.48	30.52	89.20	-51.63
1	66	19	3.01e-02	-0.18	-0.17	2.13e-02	4.23e-02	-79.55	-479.80	-87.84	-471.51	-57.01
1	66	20	0.60	-1.20	-1.19	0.59	-0.12	123.74	-4.64	29.67	89.44	-56.81
1	66	21	1.70e-02	-5.10e-02	-3.79e-02	3.85e-03	2.69e-02	-79.52	-481.08	-89.13	-471.46	-61.40
1	66	22	0.55	-1.25	-1.24	0.54	-0.14	124.74	-11.07	26.59	87.08	-60.80
1	66	23	9.88e-02	-1.38e-02	9.72e-02	-1.22e-02	1.34e-02	-79.82	-481.71	-90.25	-471.29	-63.87
1	66	24	0.54	-1.23	-1.22	0.53	-0.16	125.82	-16.00	23.70	86.12	-63.67
1	66	25	0.14	1.58e-03	0.14	1.73e-03	4.44e-03	-78.98	-481.01	-89.80	-470.19	-65.06
1	66	26	0.52	-1.15	-1.13	0.50	-0.19	125.94	-18.75	22.24	84.95	-65.20
1	66	27	0.17	1.67e-02	0.17	1.68e-02	-3.86e-03	-78.26	-480.04	-89.27	-469.04	-65.57
1	66	28	0.52	-1.03	-1.01	0.50	-0.19	125.66	-19.77	20.97	84.91	-65.31
1	66	29	0.36	-2.27e-03	0.36	-1.70e-03	-1.44e-02	-80.01	-479.88	-90.79	-469.10	-64.75
1	66	30	0.47	-0.92	-0.89	0.45	-0.19	122.03	-21.75	17.67	82.61	-64.14
1	66	31	0.51	-1.67e-02	0.51	-1.60e-02	-1.98e-02	-81.95	-478.86	-91.87	-468.93	-61.96
1	66	32	0.45	-0.78	-0.75	0.42	-0.20	118.37	-22.02	14.78	81.57	-61.74
1	66	33	0.54	-1.24e-03	0.54	-7.53e-04	-1.62e-02	-82.64	-476.55	-91.33	-467.86	-57.85
1	66	34	0.42	-0.64	-0.60	0.38	-0.19	113.84	-19.97	13.47	80.39	-57.94
1	66	35	0.55	1.26e-02	0.55	1.31e-02	-1.69e-02	-83.40	-474.15	-90.73	-466.82	-53.02
1	66	36	0.40	-0.51	-0.47	0.36	-0.17	109.12	-16.39	12.43	80.29	-52.79
1	66	37	0.69	-6.62e-03	0.68	-6.15e-03	-1.82e-02	-86.23	-472.77	-92.04	-466.96	-47.03
1	66	38	0.34	-0.43	-0.40	0.31	-0.15	102.01	-13.72	9.78	78.50	-46.56
1	66	39	0.75	-1.70e-02	0.75	-1.70e-02	-2.97e-03	-88.49	-470.87	-92.62	-466.74	-39.52
1	66	40	0.30	-0.40	-0.37	0.27	-0.13	95.82	-9.67	8.15	78.01	-39.52
1	66	41	0.66	3.15e-03	0.66	3.28e-03	8.99e-03	-88.66	-467.87	-91.25	-465.28	-31.22
1	66	42	0.26	-0.43	-0.41	0.25	-0.11	90.15	-3.72	8.69	77.73	-31.81
1	66	43	0.54	-3.56e-02	0.54	-3.17e-02	-4.76e-02	-88.67	-465.29	-90.09	-463.87	-23.08
1	66	44	0.30	-0.44	-0.42	0.28	-0.12	85.67	1.56	8.30	78.93	-22.85
1	66	45	0.81	-0.38	0.77	-0.34	-0.22	-99.74	-468.96	-100.29	-468.41	-14.21
1	66	46	0.62	-0.32	-0.32	0.62	-5.82e-02	79.76	3.12	5.87	77.01	-14.25
1	66	47	0.48	-0.78	0.37	-0.67	0.35	-13.35	-109.84	-16.55	-106.64	-17.30
1	66	48	0.65	-0.52	0.64	-0.52	9.12e-02	-19.71	-113.34	-27.31	-105.74	-25.57
1	66	49	0.65	-0.55	0.64	-0.54	0.13	-9.58	-114.45	-24.14	-99.89	-36.26
1	66	50	0.79	-0.56	0.76	-0.54	0.19	-1.39	-117.63	-21.95	-97.07	-44.35
1	66	51	0.95	-0.57	0.93	-0.54	0.21	5.70	-120.49	-19.86	-94.93	-50.71
1	66	52	1.11	-0.60	1.09	-0.58	0.20	11.47	-124.17	-18.20	-94.51	-56.07
1	66	53	1.23	-0.55	1.21	-0.53	0.19	16.84	-124.36	-16.88	-90.65	-60.20
1	66	54	1.34	-0.52	1.32	-0.51	0.19	20.52	-124.54	-15.84	-88.19	-62.86
1	66	55	1.45	-0.51	1.43	-0.49	0.20	23.71	-123.64	-13.93	-85.99	-64.26
1	66	56	1.54	-0.53	1.52	-0.51	0.18	25.32	-123.01	-12.40	-85.29	-64.59

1	66	57	1.58	-0.47	1.57	-0.46	0.16	26.26	-118.95	-11.23	-81.46	-63.54
1	66	58	1.61	-0.43	1.60	-0.42	0.16	25.42	-114.53	-10.18	-78.93	-60.95
1	66	59	1.64	-0.41	1.63	-0.40	0.16	24.05	-109.07	-8.24	-76.77	-57.07
1	66	60	1.67	-0.41	1.66	-0.40	0.14	21.24	-103.95	-6.73	-75.98	-52.15
1	66	61	1.65	-0.34	1.64	-0.34	0.12	17.73	-96.05	-5.74	-72.57	-46.04
1	66	62	1.65	-0.30	1.64	-0.30	0.12	13.08	-88.56	-4.88	-70.60	-38.78
1	66	63	1.68	-0.29	1.67	-0.28	0.12	8.83	-81.75	-3.33	-69.59	-30.88
1	66	64	1.66	-0.27	1.66	-0.27	2.52e-02	4.11	-77.63	-2.70	-70.82	-22.59
1	66	65	1.10	-0.49	1.00	-0.39	-0.39	4.46	-67.43	3.20	-66.17	-9.42
1	67	1	1.97	0.75	1.95	0.77	-0.14	-9.79	-472.51	-10.34	-471.96	15.86
1	67	2	0.31	-1.51	-1.33	0.14	-0.54	134.27	-108.45	-68.58	94.39	89.93
1	67	3	-0.41	-0.93	-0.72	-0.61	0.25	-38.84	-156.43	-91.74	-103.53	-58.50
1	67	4	2.16	0.56	2.08	0.64	0.34	-10.85	-460.05	-10.94	-459.96	6.10
1	67	5	6.67e-02	-0.40	-0.35	1.44e-02	-0.15	10.65	-143.85	-77.35	-55.85	76.50
1	67	6	-0.16	-1.96	-1.39	-0.73	0.83	98.14	-111.34	-83.93	70.73	-70.64
1	67	9	0.44	-0.34	0.44	-0.34	-6.31e-02	-98.29	-480.04	-98.99	-479.34	16.37
1	67	10	0.48	-0.78	0.37	-0.67	-0.35	-13.35	-109.84	-16.55	-106.64	17.30
1	67	11	-1.86e-02	-7.52e-02	-7.51e-02	-1.87e-02	-2.54e-03	-85.75	-475.36	-87.74	-473.37	27.76
1	67	12	0.65	-0.52	0.64	-0.52	-9.12e-02	-19.71	-113.34	-27.31	-105.74	25.57
1	67	13	2.96e-02	-0.12	-0.11	1.68e-02	-4.23e-02	-84.62	-477.25	-88.28	-473.59	37.73
1	67	14	0.65	-0.55	0.64	-0.54	-0.13	-9.58	-114.45	-24.14	-99.89	36.26
1	67	15	3.17e-02	-0.12	-8.19e-02	-5.01e-03	-6.46e-02	-84.05	-479.10	-89.32	-473.83	45.31
1	67	16	0.79	-0.56	0.76	-0.54	-0.19	-1.39	-117.63	-21.95	-97.07	44.35
1	67	17	2.61e-02	-0.15	-0.13	5.08e-03	-5.77e-02	-81.94	-479.56	-88.71	-472.79	51.43
1	67	18	0.95	-0.57	0.93	-0.54	-0.21	5.70	-120.49	-19.86	-94.93	50.71
1	67	19	3.01e-02	-0.18	-0.17	2.13e-02	-4.23e-02	-79.55	-479.80	-87.84	-471.51	57.01
1	67	20	1.11	-0.60	1.09	-0.58	-0.20	11.47	-124.17	-18.20	-94.51	56.07
1	67	21	1.70e-02	-5.10e-02	-3.79e-02	3.85e-03	-2.69e-02	-79.52	-481.08	-89.13	-471.46	61.40
1	67	22	1.23	-0.55	1.21	-0.53	-0.19	16.84	-124.36	-16.88	-90.65	60.20
1	67	23	9.88e-02	-1.38e-02	9.72e-02	-1.22e-02	-1.34e-02	-79.82	-481.71	-90.25	-471.29	63.87
1	67	24	1.34	-0.52	1.32	-0.51	-0.19	20.52	-124.54	-15.84	-88.19	62.86
1	67	25	0.14	1.58e-03	0.14	1.73e-03	-4.44e-03	-78.98	-481.01	-89.80	-470.19	65.06
1	67	26	1.45	-0.51	1.43	-0.49	-0.20	23.71	-123.64	-13.93	-85.99	64.26
1	67	27	0.17	1.67e-02	0.17	1.68e-02	3.86e-03	-78.26	-480.04	-89.27	-469.04	65.57
1	67	28	1.54	-0.53	1.52	-0.51	-0.18	25.32	-123.01	-12.40	-85.29	64.59
1	67	29	0.36	-2.27e-03	0.36	-1.70e-03	1.44e-02	-80.01	-479.88	-90.79	-469.10	64.75
1	67	30	1.58	-0.47	1.57	-0.46	-0.16	26.26	-118.95	-11.23	-81.46	63.54
1	67	31	0.51	-1.67e-02	0.51	-1.60e-02	1.98e-02	-81.95	-478.86	-91.87	-468.93	61.96
1	67	32	1.61	-0.43	1.60	-0.42	-0.16	25.42	-114.53	-10.18	-78.93	60.95
1	67	33	0.54	-1.24e-03	0.54	-7.53e-04	1.62e-02	-82.64	-476.55	-91.33	-467.86	57.85
1	67	34	1.64	-0.41	1.63	-0.40	-0.16	24.05	-109.07	-8.24	-76.77	57.07
1	67	35	0.55	1.26e-02	0.55	1.31e-02	1.69e-02	-83.40	-474.15	-90.73	-466.82	53.02
1	67	36	1.67	-0.41	1.66	-0.40	-0.14	21.24	-103.95	-6.73	-75.98	52.15
1	67	37	0.69	-6.62e-03	0.68	-6.15e-03	1.82e-02	-86.23	-472.77	-92.04	-466.96	47.03
1	67	38	1.65	-0.34	1.64	-0.34	-0.12	17.73	-96.05	-5.74	-72.57	46.04
1	67	39	0.75	-1.70e-02	0.75	-1.70e-02	2.97e-03	-88.49	-470.87	-92.62	-466.74	39.52
1	67	40	1.65	-0.30	1.64	-0.30	-0.12	13.08	-88.56	-4.88	-70.60	38.78
1	67	41	0.66	3.15e-03	0.66	3.28e-03	-8.99e-03	-88.66	-467.87	-91.25	-465.28	31.22
1	67	42	1.68	-0.29	1.67	-0.28	-0.12	8.83	-81.75	-3.33	-69.59	30.88
1	67	43	0.54	-3.56e-02	0.54	-3.17e-02	4.76e-02	-88.67	-465.29	-90.09	-463.87	23.08
1	67	44	1.66	-0.27	1.66	-0.27	-2.52e-02	4.11	-77.63	-2.70	-70.82	22.59
1	67	45	0.81	-0.38	0.77	-0.34	0.22	-99.74	-468.96	-100.29	-468.41	14.21
1	67	46	1.10	-0.49	1.00	-0.39	0.39	4.46	-67.43	3.20	-66.17	9.42
1	67	47	0.96	-0.32	-0.28	0.92	0.22	98.33	25.26	27.97	95.61	13.82
1	67	48	0.61	-0.38	-0.37	0.60	8.62e-02	105.30	27.00	37.48	94.82	26.65
1	67	49	0.59	-0.65	-0.65	0.58	4.67e-02	109.54	17.38	35.49	91.43	36.63
1	67	50	0.58	-0.92	-0.92	0.58	5.65e-02	114.76	7.42	31.86	90.31	45.02
1	67	51	0.58	-1.11	-1.10	0.57	9.27e-02	119.24	0.48	30.52	89.20	51.63
1	67	52	0.60	-1.20	-1.19	0.59	0.12	123.74	-4.64	29.67	89.44	56.81
1	67	53	0.55	-1.25	-1.24	0.54	0.14	124.74	-11.07	26.59	87.08	60.80
1	67	54	0.54	-1.23	-1.22	0.53	0.16	125.82	-16.00	23.70	86.12	63.67
1	67	55	0.52	-1.15	-1.13	0.50	0.19	125.94	-18.75	22.24	84.95	65.20
1	67	56	0.52	-1.03	-1.01	0.50	0.19	125.66	-19.77	20.97	84.91	65.31
1	67	57	0.47	-0.92	-0.89	0.45	0.19	122.03	-21.75	17.67	82.61	64.14
1	67	58	0.45	-0.78	-0.75	0.42	0.20	118.37	-22.02	14.78	81.57	61.74
1	67	59	0.42	-0.64	-0.60	0.38	0.19	113.84	-19.97	13.47	80.39	57.94
1	67	60	0.40	-0.51	-0.47	0.36	0.17	109.12	-16.39	12.43	80.29	52.79
1	67	61	0.34	-0.43	-0.40	0.31	0.15	102.01	-13.72	9.78	78.50	46.56
1	67	62	0.30	-0.40	-0.37	0.27	0.13	95.82	-9.67	8.15	78.01	39.52
1	67	63	0.26	-0.43	-0.41	0.25	0.11	90.15	-3.72	8.69	77.73	31.81
1	67	64	0.30	-0.44	-0.42	0.28	0.12	85.67	1.56	8.30	78.93	22.85
1	67	65	0.62	-0.32	-0.32	0.62	5.82e-02	79.76	3.12	5.87	77.01	14.25
1	68	1	2.08	0.64	2.02	0.70	0.30	-10.60	-466.00	-10.64	-465.96	-4.28
1	68	2	-0.26	-1.09	-0.87	-0.47	-0.36	53.67	-143.37	-91.84	2.15	86.59
1	68	3	0.12	-1.26	-1.02	-0.12	0.53	36.30	-104.54	-68.96	0.72	-61.20

1	68	4	2.08	0.64	2.02	0.70	-0.30	-10.60	-466.00	-10.64	-465.96	4.28
1	68	5	0.12	-1.26	-1.02	-0.12	-0.53	36.30	-104.54	-68.96	0.72	61.20
1	68	6	-0.26	-1.09	-0.87	-0.47	0.36	53.67	-143.37	-91.84	2.15	-86.59
1	68	9	0.60	-0.34	0.60	-0.34	-2.60e-02	-99.64	-473.88	-99.64	-473.88	-0.55
1	68	10	0.33	-0.14	-2.17e-02	0.22	-0.20	5.34	-0.30	5.10	-6.13e-02	1.14
1	68	11	0.24	-3.25e-02	0.23	-2.52e-02	-4.39e-02	-88.91	-468.62	-88.91	-468.62	-1.23
1	68	12	0.23	0.13	0.23	0.14	-1.97e-02	3.80	-0.48	3.72	-0.40	-0.59
1	68	13	0.28	3.94e-03	0.27	1.00e-02	-4.05e-02	-89.76	-469.44	-89.76	-469.44	-0.40
1	68	14	0.25	0.12	0.24	0.12	5.47e-03	3.82	-1.60e-03	3.82	3.86e-03	-0.14
1	68	15	0.33	-1.11e-02	0.33	-1.10e-02	-5.99e-03	-90.97	-470.29	-90.97	-470.29	-0.31
1	68	16	0.25	0.13	0.25	0.13	1.61e-03	3.19	7.24e-02	3.19	7.76e-02	-0.13
1	68	17	0.28	-2.22e-03	0.28	-5.31e-04	2.17e-02	-90.38	-469.88	-90.38	-469.88	-0.29
1	68	18	0.22	0.12	0.22	0.12	-2.42e-03	3.39	8.45e-02	3.38	8.91e-02	-0.12
1	68	19	0.19	1.70e-02	0.19	1.72e-02	6.48e-03	-89.28	-469.16	-89.28	-469.16	0.41
1	68	20	0.19	0.11	0.19	0.11	5.33e-04	3.87	-3.13e-02	3.86	-2.68e-02	0.13
1	68	21	0.25	8.94e-04	0.25	1.55e-03	-1.28e-02	-90.23	-469.66	-90.23	-469.66	0.90
1	68	22	0.18	0.12	0.18	0.12	4.00e-03	3.77	-2.47e-02	3.75	2.84e-03	0.32
1	68	23	0.30	-1.42e-02	0.30	-1.41e-02	6.40e-03	-91.06	-470.11	-91.06	-470.11	0.38
1	68	24	0.18	0.13	0.18	0.13	1.36e-03	3.52	-2.43e-02	3.51	-1.74e-02	0.16
1	68	25	0.25	-2.34e-03	0.25	1.54e-05	2.43e-02	-90.29	-469.64	-90.29	-469.64	-0.22
1	68	26	0.15	0.12	0.15	0.12	-2.13e-03	3.84	1.07e-03	3.84	1.94e-03	-5.77e-02
1	68	27	0.17	1.68e-02	0.17	1.68e-02		-89.27	-469.04	-89.27	-469.04	
1	68	28	0.14	0.11	0.14	0.11		4.17	-6.69e-02	4.17	-6.69e-02	
1	68	29	0.25	-2.34e-03	0.25	1.54e-05	-2.43e-02	-90.29	-469.64	-90.29	-469.64	0.22
1	68	30	0.15	0.12	0.15	0.12	2.13e-03	3.84	1.07e-03	3.84	1.94e-03	5.77e-02
1	68	31	0.30	-1.42e-02	0.30	-1.41e-02	-6.40e-03	-91.06	-470.11	-91.06	-470.11	-0.38
1	68	32	0.18	0.13	0.18	0.13	-1.36e-03	3.52	-2.43e-02	3.51	-1.74e-02	-0.16
1	68	33	0.25	8.94e-04	0.25	1.55e-03	1.28e-02	-90.23	-469.66	-90.23	-469.66	-0.90
1	68	34	0.18	0.12	0.18	0.12	-4.00e-03	3.77	-2.47e-02	3.75	2.84e-03	-0.32
1	68	35	0.19	1.70e-02	0.19	1.72e-02	-6.48e-03	-89.28	-469.16	-89.28	-469.16	-0.41
1	68	36	0.19	0.11	0.19	0.11	-5.33e-04	3.87	-3.13e-02	3.86	-2.68e-02	-0.13
1	68	37	0.28	-2.22e-03	0.28	-5.31e-04	-2.17e-02	-90.38	-469.88	-90.38	-469.88	0.29
1	68	38	0.22	0.12	0.22	0.12	2.42e-03	3.39	8.45e-02	3.38	8.91e-02	0.12
1	68	39	0.33	-1.11e-02	0.33	-1.10e-02	5.99e-03	-90.97	-470.29	-90.97	-470.29	0.31
1	68	40	0.25	0.13	0.25	0.13	-1.61e-03	3.19	7.24e-02	3.19	7.76e-02	0.13
1	68	41	0.28	3.94e-03	0.27	1.00e-02	4.05e-02	-89.76	-469.44	-89.76	-469.44	0.40
1	68	42	0.25	0.12	0.24	0.12	-5.47e-03	3.82	-1.60e-03	3.82	3.86e-03	0.14
1	68	43	0.24	-3.25e-02	0.23	-2.52e-02	4.39e-02	-88.91	-468.62	-88.91	-468.62	1.23
1	68	44	0.23	0.13	0.23	0.14	1.97e-02	3.80	-0.48	3.72	-0.40	0.59
1	68	45	0.60	-0.34	0.60	-0.34	2.60e-02	-99.64	-473.88	-99.64	-473.88	0.55
1	68	46	0.33	-0.14	-2.17e-02	0.22	0.20	5.34	-0.30	5.10	-6.13e-02	-1.14
1	68	47	0.53	-9.86e-02	0.41	2.35e-02	0.25	6.52	-1.41	5.14	-3.04e-02	-3.01
1	68	48	0.53	-8.92e-02	0.53	-8.91e-02	-3.81e-03	4.17	-1.01	4.17	-1.01	-0.18
1	68	49	0.39	-0.12	0.38	-0.12	-1.97e-02	4.58	-0.20	4.54	-0.16	-0.43
1	68	50	0.30	-0.12	0.30	-0.12	-2.29e-03	3.41	0.24	3.40	0.25	-0.17
1	68	51	0.32	-0.12	0.32	-0.12	1.32e-02	3.97	7.53e-03	3.97	8.98e-03	7.56e-02
1	68	52	0.35	-0.13	0.35	-0.13	1.85e-03	4.73	-0.36	4.72	-0.35	0.18
1	68	53	0.32	-0.12	0.32	-0.12	-1.14e-02	3.74	1.30e-02	3.73	2.24e-02	0.19
1	68	54	0.30	-0.12	0.30	-0.12	6.82e-04	2.73	0.29	2.72	0.31	0.16
1	68	55	0.33	-0.12	0.33	-0.12	1.34e-02	3.53	4.63e-02	3.53	4.98e-02	0.11
1	68	56	0.37	-0.13	0.37	-0.13		4.40	-0.31	4.40	-0.31	
1	68	57	0.33	-0.12	0.33	-0.12	-1.34e-02	3.53	4.63e-02	3.53	4.98e-02	-0.11
1	68	58	0.30	-0.12	0.30	-0.12	-6.82e-04	2.73	0.29	2.72	0.31	-0.16
1	68	59	0.32	-0.12	0.32	-0.12	1.14e-02	3.74	1.30e-02	3.73	2.24e-02	-0.19
1	68	60	0.35	-0.13	0.35	-0.13	-1.85e-03	4.73	-0.36	4.72	-0.35	-0.18
1	68	61	0.32	-0.12	0.32	-0.12	-1.32e-02	3.97	7.53e-03	3.97	8.98e-03	-7.56e-02
1	68	62	0.30	-0.12	0.30	-0.12	2.29e-03	3.41	0.24	3.40	0.25	0.17
1	68	63	0.39	-0.12	0.38	-0.12	1.97e-02	4.58	-0.20	4.54	-0.16	0.43
1	68	64	0.53	-8.92e-02	0.53	-8.91e-02	3.81e-03	4.17	-1.01	4.17	-1.01	0.18
1	68	65	0.53	-9.86e-02	0.41	2.35e-02	-0.25	6.52	-1.41	5.14	-3.04e-02	3.01
1	69	1	2.02	0.70	2.02	0.70		-10.64	-465.96	-10.64	-465.96	
1	69	2	-7.33e-02	-1.17	-0.95	-0.30	-0.44	44.98	-123.95	-80.40	1.44	73.89
1	69	3	-7.33e-02	-1.17	-0.95	-0.30	0.44	44.98	-123.95	-80.40	1.44	-73.89
1	69	4	2.02	0.70	2.02	0.70		-10.64	-465.96	-10.64	-465.96	
1	69	5	-7.33e-02	-1.17	-0.95	-0.30	-0.44	44.98	-123.95	-80.40	1.44	73.89
1	69	6	-7.33e-02	-1.17	-0.95	-0.30	0.44	44.98	-123.95	-80.40	1.44	-73.89
1	69	9	0.60	-0.34	0.60	-0.34		-99.64	-473.88	-99.64	-473.88	
1	69	10	0.39	-7.07e-02	0.19	0.12	-0.22	5.85	-0.78	5.12	-4.58e-02	2.07
1	69	11	0.23	-2.52e-02	0.23	-2.52e-02		-88.91	-468.62	-88.91	-468.62	
1	69	12	0.38	2.37e-02	0.38	2.39e-02	-7.94e-03	3.95	-0.71	3.94	-0.70	-0.20
1	69	13	0.27	1.00e-02	0.27	1.00e-02		-89.76	-469.44	-89.76	-469.44	
1	69	14	0.32	2.99e-03	0.31	3.50e-03	1.26e-02	4.18	-8.47e-02	4.18	-7.99e-02	0.14
1	69	15	0.33	-1.10e-02	0.33	-1.10e-02		-90.97	-470.29	-90.97	-470.29	
1	69	16	0.28	5.17e-03	0.28	5.18e-03	1.95e-03	3.29	0.16	3.29	0.16	1.97e-02
1	69	17	0.28	-5.31e-04	0.28	-5.31e-04		-90.38	-469.88	-90.38	-469.88	

1	69	18	0.27	1.10e-03	0.27	1.33e-03	-7.80e-03	3.68	4.63e-02	3.68	4.90e-02	-9.94e-02
1	69	19	0.19	1.72e-02	0.19	1.72e-02		-89.28	-469.16	-89.28	-469.16	
1	69	20	0.27	-7.26e-03	0.27	-7.26e-03	-6.58e-04	4.29	-0.19	4.29	-0.19	-2.39e-02
1	69	21	0.25	1.55e-03	0.25	1.55e-03		-90.23	-469.66	-90.23	-469.66	
1	69	22	0.25	1.33e-04	0.25	3.70e-04	7.70e-03	3.74	1.14e-02	3.74	1.26e-02	6.80e-02
1	69	23	0.30	-1.41e-02	0.30	-1.41e-02		-91.06	-470.11	-91.06	-470.11	
1	69	24	0.24	4.91e-03	0.24	4.91e-03	3.37e-04	3.12	0.14	3.12	0.14	-4.06e-03
1	69	25	0.25	1.54e-05	0.25	1.54e-05		-90.29	-469.64	-90.29	-469.64	
1	69	26	0.24	6.66e-04	0.24	9.15e-04	-7.75e-03	3.69	2.40e-02	3.69	2.59e-02	-8.36e-02
1	69	27	0.17	1.68e-02	0.17	1.68e-02		-89.27	-469.04	-89.27	-469.04	
1	69	28	0.25	-7.17e-03	0.25	-7.17e-03		4.29	-0.19	4.29	-0.19	
1	69	29	0.25	1.54e-05	0.25	1.54e-05		-90.29	-469.64	-90.29	-469.64	
1	69	30	0.24	6.66e-04	0.24	9.15e-04	7.75e-03	3.69	2.40e-02	3.69	2.59e-02	8.36e-02
1	69	31	0.30	-1.41e-02	0.30	-1.41e-02		-91.06	-470.11	-91.06	-470.11	
1	69	32	0.24	4.91e-03	0.24	4.91e-03	-3.37e-04	3.12	0.14	3.12	0.14	4.06e-03
1	69	33	0.25	1.55e-03	0.25	1.55e-03		-90.23	-469.66	-90.23	-469.66	
1	69	34	0.25	1.33e-04	0.25	3.70e-04	-7.70e-03	3.74	1.14e-02	3.74	1.26e-02	-6.80e-02
1	69	35	0.19	1.72e-02	0.19	1.72e-02		-89.28	-469.16	-89.28	-469.16	
1	69	36	0.27	-7.26e-03	0.27	-7.26e-03	6.58e-04	4.29	-0.19	4.29	-0.19	2.39e-02
1	69	37	0.28	-5.31e-04	0.28	-5.31e-04		-90.38	-469.88	-90.38	-469.88	
1	69	38	0.27	1.10e-03	0.27	1.33e-03	7.80e-03	3.68	4.63e-02	3.68	4.90e-02	9.94e-02
1	69	39	0.33	-1.10e-02	0.33	-1.10e-02		-90.97	-470.29	-90.97	-470.29	
1	69	40	0.28	5.17e-03	0.28	5.18e-03	-1.95e-03	3.29	0.16	3.29	0.16	-1.97e-02
1	69	41	0.27	1.00e-02	0.27	1.00e-02		-89.76	-469.44	-89.76	-469.44	
1	69	42	0.32	2.99e-03	0.31	3.50e-03	-1.26e-02	4.18	-8.47e-02	4.18	-7.99e-02	-0.14
1	69	43	0.23	-2.52e-02	0.23	-2.52e-02		-88.91	-468.62	-88.91	-468.62	
1	69	44	0.38	2.37e-02	0.38	2.39e-02	7.94e-03	3.95	-0.71	3.94	-0.70	0.20
1	69	45	0.60	-0.34	0.60	-0.34		-99.64	-473.88	-99.64	-473.88	
1	69	46	0.39	-7.07e-02	0.19	0.12	0.22	5.85	-0.78	5.12	-4.58e-02	-2.07
1	69	47	0.39	-7.07e-02	0.19	0.12	0.22	5.85	-0.78	5.12	-4.58e-02	-2.07
1	69	48	0.38	2.37e-02	0.38	2.39e-02	7.94e-03	3.95	-0.71	3.94	-0.70	0.20
1	69	49	0.32	2.99e-03	0.31	3.50e-03	-1.26e-02	4.18	-8.47e-02	4.18	-7.99e-02	-0.14
1	69	50	0.28	5.17e-03	0.28	5.18e-03	-1.95e-03	3.29	0.16	3.29	0.16	-1.97e-02
1	69	51	0.27	1.10e-03	0.27	1.33e-03	7.80e-03	3.68	4.63e-02	3.68	4.90e-02	9.94e-02
1	69	52	0.27	-7.26e-03	0.27	-7.26e-03	6.58e-04	4.29	-0.19	4.29	-0.19	2.39e-02
1	69	53	0.25	1.33e-04	0.25	3.70e-04	-7.70e-03	3.74	1.14e-02	3.74	1.26e-02	-6.80e-02
1	69	54	0.24	4.91e-03	0.24	4.91e-03	-3.37e-04	3.12	0.14	3.12	0.14	4.06e-03
1	69	55	0.24	6.66e-04	0.24	9.15e-04	7.75e-03	3.69	2.40e-02	3.69	2.59e-02	8.36e-02
1	69	56	0.25	-7.17e-03	0.25	-7.17e-03		4.29	-0.19	4.29	-0.19	
1	69	57	0.24	6.66e-04	0.24	9.15e-04	-7.75e-03	3.69	2.40e-02	3.69	2.59e-02	-8.36e-02
1	69	58	0.24	4.91e-03	0.24	4.91e-03	3.37e-04	3.12	0.14	3.12	0.14	-4.06e-03
1	69	59	0.25	1.33e-04	0.25	3.70e-04	7.70e-03	3.74	1.14e-02	3.74	1.26e-02	6.80e-02
1	69	60	0.27	-7.26e-03	0.27	-7.26e-03	-6.58e-04	4.29	-0.19	4.29	-0.19	-2.39e-02
1	69	61	0.27	1.10e-03	0.27	1.33e-03	-7.80e-03	3.68	4.63e-02	3.68	4.90e-02	-9.94e-02
1	69	62	0.28	5.17e-03	0.28	5.18e-03	1.95e-03	3.29	0.16	3.29	0.16	1.97e-02
1	69	63	0.32	2.99e-03	0.31	3.50e-03	1.26e-02	4.18	-8.47e-02	4.18	-7.99e-02	0.14
1	69	64	0.38	2.37e-02	0.38	2.39e-02	-7.94e-03	3.95	-0.71	3.94	-0.70	-0.20
1	69	65	0.39	-7.07e-02	0.19	0.12	-0.22	5.85	-0.78	5.12	-4.58e-02	2.07
1	70	1	2.02	0.70	2.02	0.70		-10.64	-465.96	-10.64	-465.96	
1	70	2	-7.33e-02	-1.17	-0.95	-0.30	-0.44	44.98	-123.95	-80.40	1.44	73.89
1	70	3	-7.33e-02	-1.17	-0.95	-0.30	0.44	44.98	-123.95	-80.40	1.44	-73.89
1	70	4	2.02	0.70	2.02	0.70		-10.64	-465.96	-10.64	-465.96	
1	70	5	-7.33e-02	-1.17	-0.95	-0.30	-0.44	44.98	-123.95	-80.40	1.44	73.89
1	70	6	-7.33e-02	-1.17	-0.95	-0.30	0.44	44.98	-123.95	-80.40	1.44	-73.89
1	70	9	0.60	-0.34	0.60	-0.34		-99.64	-473.88	-99.64	-473.88	
1	70	10	0.39	-7.07e-02	0.19	0.12	-0.22	5.85	-0.78	5.12	-4.58e-02	2.07
1	70	11	0.23	-2.52e-02	0.23	-2.52e-02		-88.91	-468.62	-88.91	-468.62	
1	70	12	0.38	2.37e-02	0.38	2.39e-02	-7.94e-03	3.95	-0.71	3.94	-0.70	-0.20
1	70	13	0.27	1.00e-02	0.27	1.00e-02		-89.76	-469.44	-89.76	-469.44	
1	70	14	0.32	2.99e-03	0.31	3.50e-03	1.26e-02	4.18	-8.47e-02	4.18	-7.99e-02	0.14
1	70	15	0.33	-1.10e-02	0.33	-1.10e-02		-90.97	-470.29	-90.97	-470.29	
1	70	16	0.28	5.17e-03	0.28	5.18e-03	1.95e-03	3.29	0.16	3.29	0.16	1.97e-02
1	70	17	0.28	-5.31e-04	0.28	-5.31e-04		-90.38	-469.88	-90.38	-469.88	
1	70	18	0.27	1.10e-03	0.27	1.33e-03	-7.80e-03	3.68	4.63e-02	3.68	4.90e-02	-9.94e-02
1	70	19	0.19	1.72e-02	0.19	1.72e-02		-89.28	-469.16	-89.28	-469.16	
1	70	20	0.27	-7.26e-03	0.27	-7.26e-03	-6.58e-04	4.29	-0.19	4.29	-0.19	-2.39e-02
1	70	21	0.25	1.55e-03	0.25	1.55e-03		-90.23	-469.66	-90.23	-469.66	
1	70	22	0.25	1.33e-04	0.25	3.70e-04	7.70e-03	3.74	1.14e-02	3.74	1.26e-02	6.80e-02
1	70	23	0.30	-1.41e-02	0.30	-1.41e-02		-91.06	-470.11	-91.06	-470.11	
1	70	24	0.24	4.91e-03	0.24	4.91e-03	3.37e-04	3.12	0.14	3.12	0.14	-4.06e-03
1	70	25	0.25	1.54e-05	0.25	1.54e-05		-90.29	-469.64	-90.29	-469.64	
1	70	26	0.24	6.66e-04	0.24	9.15e-04	-7.75e-03	3.69	2.40e-02	3.69	2.59e-02	-8.36e-02
1	70	27	0.17	1.68e-02	0.17	1.68e-02		-89.27	-469.04	-89.27	-469.04	
1	70	28	0.25	-7.17e-03	0.25	-7.17e-03		4.29	-0.19	4.29	-0.19	
1	70	29	0.25	1.54e-05	0.25	1.54e-05		-90.29	-469.64	-90.29	-469.64	

1	70	30	0.24	6.66e-04	0.24	9.15e-04	7.75e-03	3.69	2.40e-02	3.69	2.59e-02	8.36e-02
1	70	31	0.30	-1.41e-02	0.30	-1.41e-02		-91.06	-470.11	-91.06	-470.11	
1	70	32	0.24	4.91e-03	0.24	4.91e-03	-3.37e-04	3.12	0.14	3.12	0.14	4.06e-03
1	70	33	0.25	1.55e-03	0.25	1.55e-03		-90.23	-469.66	-90.23	-469.66	
1	70	34	0.25	1.33e-04	0.25	3.70e-04	-7.70e-03	3.74	1.14e-02	3.74	1.26e-02	-6.80e-02
1	70	35	0.19	1.72e-02	0.19	1.72e-02		-89.28	-469.16	-89.28	-469.16	
1	70	36	0.27	-7.26e-03	0.27	-7.26e-03	6.58e-04	4.29	-0.19	4.29	-0.19	2.39e-02
1	70	37	0.28	-5.31e-04	0.28	-5.31e-04		-90.38	-469.88	-90.38	-469.88	
1	70	38	0.27	1.10e-03	0.27	1.33e-03	7.80e-03	3.68	4.63e-02	3.68	4.90e-02	9.94e-02
1	70	39	0.33	-1.10e-02	0.33	-1.10e-02		-90.97	-470.29	-90.97	-470.29	
1	70	40	0.28	5.17e-03	0.28	5.18e-03	-1.95e-03	3.29	0.16	3.29	0.16	-1.97e-02
1	70	41	0.27	1.00e-02	0.27	1.00e-02		-89.76	-469.44	-89.76	-469.44	
1	70	42	0.32	2.99e-03	0.31	3.50e-03	-1.26e-02	4.18	-8.47e-02	4.18	-7.99e-02	-0.14
1	70	43	0.23	-2.52e-02	0.23	-2.52e-02		-88.91	-468.62	-88.91	-468.62	
1	70	44	0.38	2.37e-02	0.38	2.39e-02	7.94e-03	3.95	-0.71	3.94	-0.70	0.20
1	70	45	0.60	-0.34	0.60	-0.34		-99.64	-473.88	-99.64	-473.88	
1	70	46	0.39	-7.07e-02	0.19	0.12	0.22	5.85	-0.78	5.12	-4.58e-02	-2.07
1	70	47	0.39	-7.07e-02	0.19	0.12	0.22	5.85	-0.78	5.12	-4.58e-02	-2.07
1	70	48	0.38	2.37e-02	0.38	2.39e-02	7.94e-03	3.95	-0.71	3.94	-0.70	0.20
1	70	49	0.32	2.99e-03	0.31	3.50e-03	-1.26e-02	4.18	-8.47e-02	4.18	-7.99e-02	-0.14
1	70	50	0.28	5.17e-03	0.28	5.18e-03	-1.95e-03	3.29	0.16	3.29	0.16	-1.97e-02
1	70	51	0.27	1.10e-03	0.27	1.33e-03	7.80e-03	3.68	4.63e-02	3.68	4.90e-02	9.94e-02
1	70	52	0.27	-7.26e-03	0.27	-7.26e-03	6.58e-04	4.29	-0.19	4.29	-0.19	2.39e-02
1	70	53	0.25	1.33e-04	0.25	3.70e-04	-7.70e-03	3.74	1.14e-02	3.74	1.26e-02	-6.80e-02
1	70	54	0.24	4.91e-03	0.24	4.91e-03	-3.37e-04	3.12	0.14	3.12	0.14	4.06e-03
1	70	55	0.24	6.66e-04	0.24	9.15e-04	7.75e-03	3.69	2.40e-02	3.69	2.59e-02	8.36e-02
1	70	56	0.25	-7.17e-03	0.25	-7.17e-03		4.29	-0.19	4.29	-0.19	
1	70	57	0.24	6.66e-04	0.24	9.15e-04	-7.75e-03	3.69	2.40e-02	3.69	2.59e-02	-8.36e-02
1	70	58	0.24	4.91e-03	0.24	4.91e-03	3.37e-04	3.12	0.14	3.12	0.14	-4.06e-03
1	70	59	0.25	1.33e-04	0.25	3.70e-04	7.70e-03	3.74	1.14e-02	3.74	1.26e-02	6.80e-02
1	70	60	0.27	-7.26e-03	0.27	-7.26e-03	-6.58e-04	4.29	-0.19	4.29	-0.19	-2.39e-02
1	70	61	0.27	1.10e-03	0.27	1.33e-03	-7.80e-03	3.68	4.63e-02	3.68	4.90e-02	-9.94e-02
1	70	62	0.28	5.17e-03	0.28	5.18e-03	1.95e-03	3.29	0.16	3.29	0.16	1.97e-02
1	70	63	0.32	2.99e-03	0.31	3.50e-03	1.26e-02	4.18	-8.47e-02	4.18	-7.99e-02	0.14
1	70	64	0.38	2.37e-02	0.38	2.39e-02	-7.94e-03	3.95	-0.71	3.94	-0.70	-0.20
1	70	65	0.39	-7.07e-02	0.19	0.12	-0.22	5.85	-0.78	5.12	-4.58e-02	2.07

**M\_G**

<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>
	-2.24	-1.79	-1.71	-2.24		-616.08	-190.32	-616.04	-191.29
4.17		2.62	1.03	2.24	143.85		37.48	106.55	191.29





ultima, pertanto la verifica ha esito positivo per rapporti non superiori all' unità.

Asta	Trave	Pilastro				numero dell'elemento
<b>Stato</b>	codice di verifica per resistenza, stabilità, svergolamento					
<b>Note</b>	sezione e materiali adottati per l'elemento					
<b>V N</b>	(ASTE) verifica come da par. 4.2.4.1.2 per punto (4.2.6) e (4.2.10)					
<b>V V/T</b>	(TRAVI E PILASTRI) verifica di resistenza come da par. 4.2.4.1.2 per azioni taglio-torsione (4.2.17 e 4.2.29)					
<b>V N/M</b>	(TRAVI E PILASTRI) verifica di resistenza come da par. 4.2.4.1.2 per azioni composte (4.2.34) con riduzione per taglio (4.2.41) ove richiesto					
<b>N</b>	<b>M3</b>	<b>M2</b>	<b>V2</b>	<b>V3</b>	<b>T</b>	sollecitazioni di interesse per la verifica
<b>V stab</b>	(ASTE) verifica come da par. 4.2.4.1.3 per punto (4.2.42)					
<b>V stab</b>	(TRAVI E PILASTRI) verifica come da par. 4.2.4.1.3 per punti (C4.2.32) o (C4.2.36) (membrature inflesse e compresse senza/con presenza di instabilità flessor-torsionale)					
<b>BetaxL</b>	<b>B22xL</b>	<b>B33xL</b>				lunghezze libere di inflessione (se indicato riferiti al piano di normale 22 o 33 rispettivamente)
<b>Snellezza</b>	snellezza massima					
<b>Classe</b>	classe del profilo					
<b>Chi mn</b>	coefficiente di riduzione (della capacità) per la modalità di instabilità pertinente					
<b>Rif. cmb</b>	combinazioni in cui si sono rispettivamente attinti i valori di verifica più elevati					
<b>V flst</b>	(TRAVI E PILASTRI) verifica di stabilità come da par. 4.2.4.1.3.2 per punto (4.2.49)					
<b>B1-1 x L</b>	Beta1-1 x L: interasse tra i ritegni torsionali					
<b>Chi LT</b>	coefficiente di riduzione (della capacità) per la modalità di instabilità flessor-torsionale					
<b>Snell adim</b>	Valore della snellezza adimensionale, utilizzato per il controllo previsto al par. 7.5.5					
<b>v.Omeg</b>	Valore del rapporto capacità/domanda per l' azione di interesse (momento per travi e azione assiale per aste) utilizzato per l' amplificazione delle azioni					
<b>f.Om. N</b>	Fattore di amplificazione delle azioni assiali per travi e colonne (prodotto di 1.1 x Omega x gamma rd materiale); utilizzato come specificato al par. 7.5.5					
<b>f.Om. T</b>	Fattore di amplificazione delle azioni (assiali, flettenti e taglianti) per colonne (prodotto di 1.1 x Omega x gamma rd materiale); utilizzato come specificato al par. 7.5.4					
<b>V.7.5.3 M Ed</b>	Verifica come prevista al punto 7.5.3 e valore dell' azione flettente					
<b>V.7.5.4 N Ed</b>	Verifica come prevista al punto 7.5.4 e valore dell' azione assiale					

<b>V.7.5.5</b>	<b>V Ed,G</b> <b>V Ed,M</b>	Verifica come prevista al punto 7.5.5 e valore dei tagli dovuti ai carichi e alla capacità
<b>V.7.5.9</b>	<b>V Ed</b>	Verifica come prevista al punto 7.5.9 e valore dell' azione di taglio
<b>sovr. Xi (Xf, Yi, Yf)</b>		Valore della sovreresistenza come prevista al par. 7.5.4.3 (i valori non sono normalizzati pertanto saranno maggiori uguali a gamma rd classe di duttilità)

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
<b>56</b>	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
<b>57</b>	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
<b>58</b>	LUCE LIBERA DI COLONNE IN ACCIAIO
<b>59</b>	SVERGOLAMENTO DI TRAVI IN ACCIAIO
<b>61</b>	ACCIAIO D.M. 2008
<b>63</b>	GERARCHIA RESISTENZE STRUTTURE IN ACCIAIO
<b>64</b>	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
<b>73</b>	VALUTAZIONE EFFETTO P-δ SU PILASTRATA
<b>74</b>	VALUTAZIONE EFFETTO P-δ SU TELAIO 3D

Pilas.	Stato	Note	V V/T	V N/M	V stab	Classe	B22xL cm	B33xLSnellezza	Chi mn	V flst	B11xL cm	Chi LT	Rif. cmb	
1	ok	s=1,m=10	0.10	0.19	0.19	1	20.0	20.0	5.7	1.00			1,1,1,0	
2	ok	s=1,m=10	0.03	0.17	0.11	1	480.0	480.0	136.4	0.33	0.02	240.0	0.89	2,1,1,31
3	ok	s=1,m=10	0.08	0.35	0.34	1	20.0	20.0	5.7	1.00			1,1,1,0	
4	ok	s=1,m=10	0.05	0.28	0.18	1	480.0	480.0	136.4	0.33	0.02	240.0	0.87	1,1,1,34
5	ok	s=1,m=10	0.08	0.37	0.36	1	20.0	20.0	5.7	1.00			2,1,1,0	
6	ok	s=1,m=10	0.06	0.30	0.19	1	480.0	480.0	136.4	0.33	0.02	240.0	0.88	2,1,1,31
7	ok	s=1,m=10	0.08	0.37	0.36	1	20.0	20.0	5.7	1.00			1,1,1,0	
8	ok	s=1,m=10	0.06	0.30	0.19	1	480.0	480.0	136.4	0.33	0.02	240.0	0.88	1,1,1,22
9	ok	s=1,m=10	0.08	0.35	0.34	1	20.0	20.0	5.7	1.00			2,1,1,0	
10	ok	s=1,m=10	0.05	0.28	0.18	1	480.0	480.0	136.4	0.33	0.02	240.0	0.87	2,1,1,27
11	ok	s=1,m=10	0.10	0.19	0.19	1	20.0	20.0	5.7	1.00			1,1,1,0	
12	ok	s=1,m=10	0.03	0.17	0.11	1	480.0	480.0	136.4	0.33	0.02	240.0	0.89	1,1,1,24
<b>Pilas.</b>			<b>V V/T</b>	<b>V N/M</b>	<b>V stab</b>		<b>B22xL</b>	<b>B33xLSnellezza</b>	<b>Chi mn</b>	<b>V flst</b>	<b>B11xL</b>	<b>Chi LT</b>		
			0.10	0.37	0.36		480.00	136.37	0.33	0.02	240.00	0.87		
<b>Pilas.</b>	<b>f.Om. N</b>	<b>f.Om. T</b>	<b>Stato</b>	<b>V V/T</b>	<b>V N/M</b>	<b>V stab</b>	<b>V flst</b>	<b>Rif. cmb</b>	<b>V.7.5.9</b>	<b>V Ed</b>	<b>sovr. Xi</b>	<b>sovr. Xf</b>	<b>sovr. Yi</b>	<b>sovr. Yf</b>
										daN				
1	0.0	0.0	ok	0.0	0.0			0,0,0,0						
2	0.0	0.0	ok	0.0	0.0			0,0,0,0						
3	0.0	0.0	ok	0.0	0.0			0,0,0,0						
4	0.0	0.0	ok	0.0	0.0			0,0,0,0						
5	0.0	0.0	ok	0.0	0.0			0,0,0,0						
6	0.0	0.0	ok	0.0	0.0			0,0,0,0						
7	0.0	0.0	ok	0.0	0.0			0,0,0,0						

8	0.0	0.0	ok	0.0	0.0	0,0,0,0
9	0.0	0.0	ok	0.0	0.0	0,0,0,0
10	0.0	0.0	ok	0.0	0.0	0,0,0,0
11	0.0	0.0	ok	0.0	0.0	0,0,0,0
12	0.0	0.0	ok	0.0	0.0	0,0,0,0

Pilas. V V/T V N/M V stab V flst V.7.5.9 V Ed sovr. Xi sovr. Xf sovr. Yi sovr. Yf  
0.0 0.0

## 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
- una tabella nella quale, per ogni quota significativa, si riporta l'armatura verticale di base e della zona confinata, 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.

<u>Tabella 1</u>	
H totale	Altezza complessiva della parete
Spessore	Spessore della parete
H critica	Altezza come da punto 7.4.4.5.1 per traslazione momento
H critica V	Altezza come da punto 7.4.6.1.4 per la definizione della zona critica e zona confinata
L totale	Larghezza di base della parete
L confinata	Larghezza della zona confinata
Verif. N	Verifica di cui al punto 7.4.4.5.2.1 compressione semplice
Verif. N-M	Verifica di cui al punto 7.4.4.5.2.1 pressoflessione
Fattore V	Fattore di amplificazione del taglio di cui al punto 7.4.4.5.1
Diagramma V	Diagramma elaborato per effetto modi superiori come da fig. 7.4.2
Verif. V	Verifica di cui al punto 7.4.4.5.2.2 taglio (compressione cls, trazione acciaio, scorrimento in zona critica)
<u>Tabella 2</u>	
Af conf.	Numero e diametro armatura presente in una zona confinata
Af std	Diametro e passo armatura in zona non confinata (doppia maglia)
Af V (ori)	Diametro e passo armatura orizzontale (doppia maglia)
Ver. N	Rapporto tra azione di calcolo e resistenza a compressione (normalizzato a 1 in quanto da confrontare con 40% in CDB e 35 % in CDA)
Ver. N/M	Rapporto tra azione di calcolo e resistenza a pressoflessione
Ver. V cls	Rapporto tra azione di calcolo e resistenza a taglio-compressione
Ver. V acc	Rapporto tra azione di calcolo e resistenza a taglio-trazione
Ver. V scorr.	Rapporto tra azione di calcolo e resistenza a taglio scorrimento
N add	Sforzo assiale di cui al punto 7.4.4.5.1 da sommare e sottrarre nelle verifiche quando q supera 2
M invil	Involuppo del momento come al punto 7.4.4.5.1 (informativo)
V invil	Involuppo del taglio come al punto 7.4.4.5.1 (informativo)
<u>Tabella 3</u>	
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore
N v.Vacc, M v.Vacc, V v.Vacc,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. acc attinge il massimo valore
N v.Vscorr, M v.Vscorr, V v.Vscorr,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. scorr.e
<u>Tabella 4</u>	
CtgT Vcls	Valore di ctg(teta) adottato nella verifica V compressione cls
Vrsd Vcls	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(teta) 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 $S_d/S_u$ con sollecitazioni ultime proporzionali: valore minore o uguale a 1 per verifica positiva
<b>Ver.rd</b>	rapporto $N_d/N_u$ ( $N_u$ ottenuto con riduzione del 25% di $f_{cd}$ ): 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	

Setto	Stato	Nodo	x/d	verif.	ver. rid	Rif. cmb	Af pr-	Af pr+	Af sec-	Af sec+	Rete pr + Aggiuntivi	Rete sec + Aggiuntivi
4	ok	111	0.06	0.30	2.06e-03	2,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		112	0.06	0.14	1.46e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		92	0.06	0.10	1.34e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		91	0.06	0.07	1.58e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
5	ok	110	0.06	0.14	1.43e-03	1,9	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		111	0.06	0.30	1.98e-03	2,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		91	0.06	0.07	1.60e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		90	0.06	0.10	1.36e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
6	ok	109	0.06	0.02	1.15e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		110	0.06	0.04	1.57e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		90	0.06	0.03	1.45e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		89	0.06	0.03	1.56e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
7	ok	108	0.06	0.05	1.32e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		109	0.06	0.02	1.23e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		89	0.06	0.03	1.49e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		87	0.06	0.04	1.28e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
8	ok	7	0.06	0.31	3.24e-03	2,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		108	0.06	0.16	5.93e-04	1,9	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		87	0.06	0.10	1.06e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		88	0.06	0.08	3.25e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
9	ok	115	0.06	0.32	2.04e-03	2,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		116	0.06	0.15	1.43e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		96	0.06	0.11	1.35e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		95	0.06	0.08	1.58e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
10	ok	114	0.06	0.15	1.41e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		115	0.06	0.32	2.01e-03	2,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		95	0.06	0.08	1.59e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		94	0.06	0.11	1.35e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
11	ok	113	0.06	0.02	1.18e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		114	0.06	0.04	1.57e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		94	0.06	0.03	1.47e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		93	0.06	0.03	1.59e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
12	ok	112	0.06	0.04	1.67e-03	1,9	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		113	0.06	0.02	1.17e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		93	0.06	0.03	1.58e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		92	0.06	0.03	1.49e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
13	ok	116	0.06	0.04	1.59e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		117	0.06	0.02	1.17e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		97	0.06	0.03	1.59e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		96	0.06	0.03	1.48e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
14	ok	126	0.06	0.16	5.93e-04	1,11	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		8	0.06	0.31	3.24e-03	2,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		107	0.06	0.08	3.25e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		106	0.06	0.10	1.06e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
15	ok	125	0.06	0.02	1.23e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		126	0.06	0.05	1.32e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		106	0.06	0.04	1.28e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		105	0.06	0.03	1.49e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
16	ok	124	0.06	0.04	1.57e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		125	0.06	0.02	1.15e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		105	0.06	0.03	1.56e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		104	0.06	0.03	1.45e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
17	ok	123	0.06	0.30	1.98e-03	2,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		124	0.06	0.14	1.43e-03	1,6	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		104	0.06	0.10	1.36e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		103	0.06	0.07	1.60e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
23	ok	66	0.06	0.06	5.27e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		68	0.06	0.06	4.98e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		11	0.06	0.08	5.21e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		9	0.06	0.08	5.12e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
24	ok	68	0.06	0.06	5.06e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		69	0.06	0.06	5.16e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		13	0.06	0.08	5.18e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		11	0.06	0.08	5.16e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
25	ok	69	0.06	0.06	5.15e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		70	0.06	0.07	5.16e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		15	0.06	0.08	5.21e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		13	0.06	0.08	5.21e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
26	ok	70	0.06	0.07	5.16e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		71	0.06	0.06	5.15e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		17	0.06	0.08	5.22e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		15	0.06	0.08	5.20e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
41	ok	67	0.06	0.07	5.09e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		66	0.06	0.06	4.90e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		9	0.06	0.08	5.22e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
		1	0.06	0.08	4.77e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)
42	ok	122	0.06	0.14	1.46e-03	1,1	8.0	8.0	8.0	8.0	16/25+(12/0 i 12/0 s)	16/25+(8/0 i 8/0 s)











# 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:

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

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
4	0.09	0.21	1.60e-03	3,3,70	0.0	0.0	0.0	0,0,0
5	0.09	0.21	1.54e-03	3,3,70	0.0	0.0	0.0	0,0,0
6	0.01	0.03	1.21e-03	3,3,70	0.0	0.0	0.0	0,0,0
7	0.01	0.03	1.15e-03	3,3,70	0.0	0.0	0.0	0,0,0
8	0.09	0.21	2.52e-03	3,3,70	0.0	0.0	0.0	0,0,0
9	0.09	0.23	1.58e-03	3,3,70	0.0	0.0	0.0	0,0,0
10	0.09	0.23	1.56e-03	3,3,70	0.0	0.0	0.0	0,0,0
11	0.01	0.03	1.23e-03	3,3,70	0.0	0.0	0.0	0,0,0
12	0.01	0.03	1.24e-03	3,3,70	0.0	0.0	0.0	0,0,0
13	0.01	0.03	1.23e-03	3,3,70	0.0	0.0	0.0	0,0,0
14	0.09	0.21	2.52e-03	3,3,70	0.0	0.0	0.0	0,0,0
15	0.01	0.03	1.15e-03	3,3,70	0.0	0.0	0.0	0,0,0
16	0.01	0.03	1.21e-03	3,3,70	0.0	0.0	0.0	0,0,0
17	0.09	0.21	1.54e-03	3,3,70	0.0	0.0	0.0	0,0,0
23	0.02	0.04	4.09e-03	3,3,70	0.0	0.0	0.0	0,0,0
24	0.02	0.03	4.02e-03	3,3,70	0.0	0.0	0.0	0,0,0
25	0.02	0.04	4.04e-03	3,3,70	0.0	0.0	0.0	0,0,0
26	0.02	0.04	4.05e-03	3,3,70	0.0	0.0	0.0	0,0,0
41	0.02	0.03	4.05e-03	3,3,70	0.0	0.0	0.0	0,0,0
42	0.09	0.21	1.60e-03	3,3,70	0.0	0.0	0.0	0,0,0
48	0.02	0.03	4.05e-03	3,3,70	0.0	0.0	0.0	0,0,0
49	0.02	0.04	4.09e-03	3,3,70	0.0	0.0	0.0	0,0,0
50	0.02	0.03	4.02e-03	3,3,70	0.0	0.0	0.0	0,0,0
51	0.02	0.04	4.04e-03	3,3,70	0.0	0.0	0.0	0,0,0
52	0.02	0.04	4.05e-03	3,3,70	0.0	0.0	0.0	0,0,0
53	0.02	0.03	4.03e-03	3,3,70	0.0	0.0	0.0	0,0,0
54	0.02	0.03	4.02e-03	3,3,70	0.0	0.0	0.0	0,0,0
55	0.02	0.04	4.04e-03	3,3,70	0.0	0.0	0.0	0,0,0
56	0.02	0.04	4.04e-03	3,3,70	0.0	0.0	0.0	0,0,0
57	0.02	0.03	4.03e-03	3,3,70	0.0	0.0	0.0	0,0,0
58	0.02	0.03	4.03e-03	3,3,70	0.0	0.0	0.0	0,0,0
59	0.02	0.04	4.04e-03	3,3,70	0.0	0.0	0.0	0,0,0
60	0.02	0.04	4.04e-03	3,3,70	0.0	0.0	0.0	0,0,0
61	0.02	0.03	4.02e-03	3,3,70	0.0	0.0	0.0	0,0,0
62	0.02	0.03	4.03e-03	3,3,70	0.0	0.0	0.0	0,0,0
63	0.01	0.03	1.24e-03	3,3,70	0.0	0.0	0.0	0,0,0
64	0.01	0.03	1.23e-03	3,3,70	0.0	0.0	0.0	0,0,0
65	0.09	0.23	1.56e-03	3,3,70	0.0	0.0	0.0	0,0,0
66	0.09	0.23	1.58e-03	3,3,70	0.0	0.0	0.0	0,0,0
67	0.01	0.03	1.23e-03	3,3,70	0.0	0.0	0.0	0,0,0
86	0.02	0.04	3.22e-03	3,3,70	0.0	0.0	0.0	0,0,0
87	0.02	0.03	2.32e-03	3,3,70	0.0	0.0	0.0	0,0,0
88	0.02	0.03	2.39e-03	3,3,70	0.0	0.0	0.0	0,0,0
89	0.02	0.04	2.50e-03	3,3,70	0.0	0.0	0.0	0,0,0
90	0.02	0.04	2.52e-03	3,3,70	0.0	0.0	0.0	0,0,0
91	0.02	0.03	2.41e-03	3,3,70	0.0	0.0	0.0	0,0,0
92	0.02	0.03	2.39e-03	3,3,70	0.0	0.0	0.0	0,0,0
93	0.02	0.04	2.51e-03	3,3,70	0.0	0.0	0.0	0,0,0
94	0.02	0.04	2.51e-03	3,3,70	0.0	0.0	0.0	0,0,0
95	0.02	0.03	2.40e-03	3,3,70	0.0	0.0	0.0	0,0,0
96	0.02	0.03	2.40e-03	3,3,70	0.0	0.0	0.0	0,0,0
97	0.02	0.04	2.51e-03	3,3,70	0.0	0.0	0.0	0,0,0
98	0.02	0.04	2.51e-03	3,3,70	0.0	0.0	0.0	0,0,0
99	0.02	0.03	2.39e-03	3,3,70	0.0	0.0	0.0	0,0,0
100	0.02	0.03	2.41e-03	3,3,70	0.0	0.0	0.0	0,0,0
101	0.02	0.04	2.52e-03	3,3,70	0.0	0.0	0.0	0,0,0
102	0.02	0.04	2.50e-03	3,3,70	0.0	0.0	0.0	0,0,0
103	0.02	0.03	2.39e-03	3,3,70	0.0	0.0	0.0	0,0,0
104	0.02	0.03	2.32e-03	3,3,70	0.0	0.0	0.0	0,0,0
105	0.02	0.04	3.22e-03	3,3,70	0.0	0.0	0.0	0,0,0
<b>Setto</b>	<b>rRfck</b>	<b>rRfyk</b>	<b>rPfck</b>		<b>wR</b>	<b>wF</b>	<b>wP</b>	
	0.09	0.23	4.09e-03		0.0	0.0	0.0	
<b>Guscio</b>	<b>rRfck</b>	<b>rRfyk</b>	<b>rPfck</b>	<b>Rif. cmb</b>	<b>wR</b>	<b>wF</b>	<b>wP</b>	<b>Rif. cmb</b>
					mm	mm	mm	
1	1.93e-03	4.74e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
2	0.02	0.04	0.01	3,3,70	0.0	0.0	0.0	0,0,0
3	0.02	0.04	0.01	3,3,70	0.0	0.0	0.0	0,0,0

18	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
19	1.98e-03	4.55e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
20	2.04e-03	4.72e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
21	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
22	2.09e-03	4.68e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
27	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
28	1.97e-03	4.69e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
29	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
30	1.88e-03	4.39e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
31	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
32	1.93e-03	4.44e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
33	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
34	2.04e-03	4.79e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
35	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
36	2.02e-03	4.79e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
37	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
38	1.99e-03	4.56e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
39	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
40	1.93e-03	4.74e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
68	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
69	2.09e-03	4.68e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
70	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
71	2.04e-03	4.72e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
72	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
73	1.99e-03	4.56e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
74	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
75	1.98e-03	4.55e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
76	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
77	2.02e-03	4.79e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
78	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
79	2.04e-03	4.79e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
80	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
81	1.93e-03	4.44e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
82	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
83	1.88e-03	4.39e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
84	0.02	0.03	0.01	3,3,70	0.0	0.0	0.0	0,0,0
85	1.97e-03	4.69e-03	0.01	3,3,70	0.0	0.0	0.0	0,0,0

<b>Guscio</b>	<b>rRfck</b>	<b>rRfyk</b>	<b>rPfck</b>	<b>wR</b>	<b>wF</b>	<b>wP</b>
	0.02	0.04	0.01	0.0	0.0	0.0