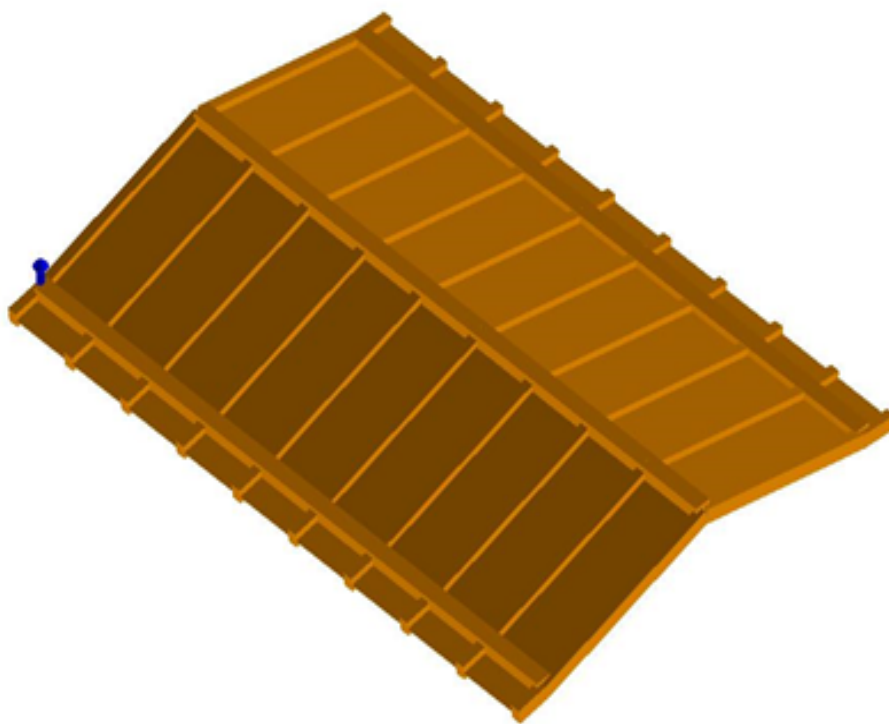


Comune di Roma

Provincia di Roma

Relazione Tecnica

COPERTURA IN LEGNO FABBRICATO ESISTENTE SITO IN VIAXXXXX N.14 ROMA (RM)



Committente	Condominio Via XXXXX n.14 roma
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Tecnico	Ing Francesco Papalia
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Data	02/10/2016
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PROJECT ITALY ENGINEERING - Dr. Ing. Francesco Papalia - Progettazioni e Servizi Integrati per l'Ingegneria

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<http://www.project-italy.org/>

<https://www.facebook.com/Servizi.di.Ingegneria/>

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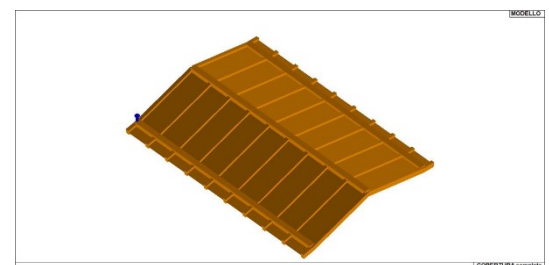
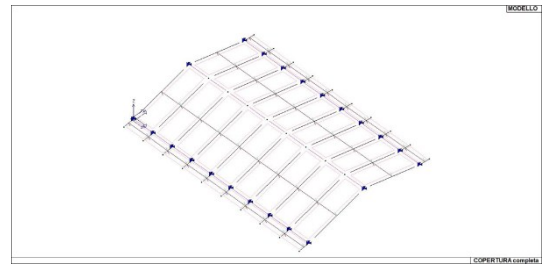
Premessa

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

La relazione riguarda il progetto per la demolizione e ricostruzione di una copertura in legno per civile abitazione, sito nel Comune di Velletri in Via XXXXXXXX catastalmente individuato al Foglio XX – Particella XXX, di proprietà del signor XXXXXX.

-Il tetto in legno a orditura semplice, di spessore pari a 30 cm, con trave portante in legno massiccio classe C24: B x H = 24.0 x 32.0 cm; travetti in legno massiccio classe C24 : B x H = 14.0 x 22.0 cm, interasse: i = 100 cm; tavolato portante di spessore pari a 3 cm ; pannello coibentato spessore 8 cm, e tegole marsigliesi. lo stesso sarà opportunamente ancorato alle strutture portanti.

Le dimensioni delle varie membrature possono desumersi dai disegni esecutivi allegati.



Descrizione generale dell’opera	
Fabbricato ad uso	Abitativo
Ubicazione	Comune di VELLETRI (RM) (Regione LAZIO)
	Località VELLETRI (RM)
	Longitudine 12.77, Latitudine 41.68
Numero di piani	Fuori terra
	Le dimensioni dell’opera in pianta sono racchiuse in un rettangolo di 7 m · 9,1 m
Tipo di fondazione	Platea

Principali caratteristiche della struttura	
Struttura regolare in pianta	SI
Struttura regolare in altezza	SI
Classe di duttilità	B
Travi: ricalate o in spessore	NO
Pilastrì	NO
Pilastrì in falso	NO
Tipo di fondazione	PLATEA
Condizioni per cui è necessario considerare la componente verticale del sisma	

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

Fattore di struttura	
Fattore di struttura in direzione x (qx)	:2.80
Calcolato considerando i seguenti parametri:	
Tipo Struttura	: Muratura
Regolarità in elevazione	: SI
Regolarità in pianta	: SI
Kr	: 1
Tipologia Edificio	: Costruzione in muratura ordinaria
α_u / α_1	: 1.40
Tipologia Strutturale	: Costruzione in muratura ordinaria
Modalità di collasso	: Costruzione in muratura ordinaria
q ₀	: 2.00
Fattore di struttura in direzione y (qy)	: 2.80
Calcolato considerando i seguenti parametri:	
Tipo Struttura	: Muratura
Regolarità in elevazione	: SI
Regolarità in pianta	: SI
Kr	: 1
Tipologia Edificio	: Costruzione in muratura armata
α_u / α_1	: 1.40
Tipologia Strutturale	: Costruzione in muratura armata ad un piano
Modalità di collasso	: Costruzione in muratura armata
q ₀	: 2.00
Fattore di struttura in direzione z (qz)	: 1.50

Quadro normativo di riferimento adottato

Le norme ed i documenti assunti quale riferimento per la progettazione strutturale vengono indicati di seguito. Nel capitolo “normativa di riferimento” è comunque presente l’elenco completo delle normative disponibili.

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

Azioni di progetto sulla costruzione

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

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

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

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

$$\mathbf{K} * \mathbf{u} = \mathbf{F}$$

dove \mathbf{K} = matrice di rigidezza
 \mathbf{u} = vettore spostamenti nodali
 \mathbf{F} = vettore forze nodali

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

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

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

- Elemento tipo **TRUSS** (biella-D2)
- Elemento tipo **BEAM** (trave-D2)
- Elemento tipo **MEMBRANE** (membrana-D3)
- Elemento tipo **PLATE** (piastra-guscio-D3)
- Elemento tipo **BOUNDARY** (molla)
- Elemento tipo **STIFFNESS** (matrice di rigidezza)
- Elemento tipo **BRICK** (elemento solido)
- Elemento tipo **SOLAIO** (macro elemento composto da più membrane)

Modello numerico

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

L'analisi numerica della struttura è stata condotta attraverso l'utilizzo del metodo degli elementi finiti ipotizzando un comportamento dell'elemento elasto-plastico con limite in deformazione (elasto-plastico-fragile). Il comportamento è elastico lineare finché si verifica uno delle possibili modalità di rottura:

- rottura per presso flessione (raggiungimento del momento flettente ultimo M_u in una delle sezioni di estremità dell'elemento, con introduzione in quella sezione di una cerniera plastica)
- rottura per taglio (raggiungimento in una delle sezioni di estremità dell'elemento della resistenza ultime V_t)

Il metodo degli elementi finiti consiste nel sostituire il modello continuo della struttura con un modello discreto equivalente e di approssimare la funzione di spostamento con polinomio algebrico, definito in regioni (dette appunto elementi finiti) che sono delle funzioni interpolanti il valore di spostamento definito in punti discreti (detti nodi).

Gli elementi finiti utilizzabili ai fini della corretta modellazione della struttura verranno descritti di seguito.

Il metodo di calcolo adottato, le combinazioni di carico, e le procedure di verifica saranno descritte di seguito.

Riferimento globale e locale

La struttura viene definita utilizzando una terna di assi cartesiani formanti un sistema di riferimento levogiro, unico per tutti gli elementi e chiamato "globale". Localmente esiste un'ulteriore sistema di riferimento, detto appunto "locale", utile alla definizione delle caratteristiche di rigidezza dei singoli elementi.

I due sistemi di riferimento sono correlati da una matrice, detta di rotazione.

Modellazione geometrica della struttura

Il modello geometrico (mesh) della struttura è basato sull'utilizzo dei seguenti elementi:

- Nodi

Si definiscono nodi, entità geometriche determinate tramite le tre coordinate nel riferimento globale. I nodi, nello spazio tridimensionale, posseggono tre gradi di libertà traslazionali e tre rotazionali. Essi sono posizionati in modo da definire gli estremi degli elementi finiti e, di regola, in ogni discontinuità strutturale, di carico, di caratteristiche meccaniche, di campo di spostamento.

- Vincoli e Molle

I gradi di libertà possono essere vincolati, bloccando il cinematismo nella direzione voluta o assegnando "molle" applicate ai nodi tramite valori di rigidezza finiti.

Un vincolo assegna a priori un valore di spostamento nullo, e quindi la variabile corrispondente viene eliminata.

- Vincoli interni

Tali vincoli servono a definire le modalità di trasmissione degli sforzi dall'elemento finito ai nodi. Ciò viene associato al concetto di trasferimento della rigidezza.

Generalmente l'elemento considerato è rigidamente connesso ai nodi che lo definiscono, in modo da bloccare tutti i gradi di libertà relativi. E' possibile, comunque "rilasciare" le caratteristiche delle sollecitazioni, in modo da svincolare i gradi di libertà corrispondenti. Nel caso particolare, il modello utilizzato consente di svincolare le tre rotazioni intorno agli assi locali dell'asta.

- Aste

Si tratta di elementi finiti monodimensionali ad asse rettilineo delimitate da due nodi (i nodi di estremità).

Per questi elementi generalmente la funzione interpolante è quella del modello analitico per cui la mesh non influisce sensibilmente sulla convergenza.

Le aste sono dotate di rigidezza assiale, flessionale, e a taglio, secondo il modello classico della trave inflessa di Eulero- Bernoulli.

Alla singola asta è possibile associare una sezione costante per tutta la sua lunghezza.

- Asta su suolo elastico

Si tratta di elementi finiti monodimensionali ad asse rettilineo, di definizione simile alle aste. Sono utili a modellare travi di fondazione, considerate poggianti su suolo alla Winkler, e reagenti sia rispetto alle componenti traslazionali di cinematismo, sia rotazionali.

- Lastra-Piastra

Si tratta di elementi finiti bidimensionali, definiti da tre o quattro nodi, posti ai vertici rispettivamente di un triangolo o di un quadrilatero irregolare. La geometria reale dell'elemento viene ricondotta ad un triangolo rettangolo (elemento a tre nodi) o ad un quadrato definito nella trattazione isoparametrica.

L'elemento lastra-piastra non ha rigidezza per la rotazione intorno all'asse perpendicolare al suo piano e viene trattato secondo la teoria di Mindlin-Reissner. Nel modello considerato si tiene conto dell'accoppiamento tra azioni flessionali e membranali.

- Forze e coppie concentrate

Per la risoluzione statica della struttura, tutti i carichi applicati agli elementi vengono trasferiti ai nodi. Ciò avviene in automatico per il peso delle aste, delle piastre, delle pareti, dei pannelli di carico presenti sulle aste e per la distribuzione di carico applicate agli elementi bidimensionali.

Il modello di calcolo consente anche l'introduzione di forze e coppie ai nodi.



Le forze sono dirette lungo le tre direzioni del sistema di riferimento globale ed in entrambi i versi per ogni direzione.

Le coppie concentrate sono riferite ai tre assi del riferimento globale, in entrambi i versi di rotazione di ciascun asse.

- Carichi distribuiti

Il modello di calcolo consente anche l'introduzione di carichi ripartiti sulle aste e di distribuzione di carico su piastre e pareti.

I carichi ripartiti sulle aste possono essere riferite sia al riferimento globale, sia al riferimento locale, lungo le tre direzioni ed in entrambe i versi. E' possibile anche introdurre carichi distribuiti torcenti agenti intorno all'asse dell'asta ed in entrambe i versi di rotazione.

Tutti i tipi di carico ripartito devono avere forma trapezia.

Sugli elementi bidimensionali, che fanno parte della mesh di piastre e pareti, è possibile assegnare una distribuzione uniforme, avente le caratteristiche di una pressione diretta ortogonalmente all'elemento.

- Pannelli di carico

Il pannello di carico è un concetto legato alla reale distribuzione di carichi gravanti sulle aste. Ne fanno parte: solai, balconi, scale.

Da tali pannelli, di forma irregolare come definiti dalla geometria dell'input, si passa alla quantificazione dei carichi trapezoidali ripartiti sulle aste. Per meglio simulare l'effetto dei pannelli, vengono generati in modo automatico anche dei carichi ripartiti torcenti, anch'essi di forma trapezia, relativi ai carichi distribuiti equivalenti al pannello.

- Sezioni

Le sezioni assegnabili alle aste sono definite attraverso le caratteristiche geometrico-elastiche, i moduli di resistenza plastici (sezioni in acciaio) ed il materiale.

Materiali.

I materiali, ai fini del calcolo delle sollecitazioni, sono definiti dalle seguenti caratteristiche: peso per unità di volume, modulo elastico, coefficiente di Poisson, coefficiente di dilatazione, e tutte le caratteristiche meccaniche, riepilogate in seguito, utili alle verifiche strutturali dettate dalla normativa.

Matrici di calcolo della struttura.

Dalla discretizzazione geometrica della struttura vengono definite le matrici utili a studiare il comportamento globale della struttura in esame.

- Matrice di rigidezza

Tale matrice viene costruita partendo dalla matrice di rigidezza espressa nel sistema di riferimento locale dell'elemento considerato. Attraverso un'operazione di trasformazione, mediante la matrice di rotazione, viene riferita al sistema di riferimento globale. L'ultima operazione consiste nell'"assemblaggio" delle singole matrici di ogni elemento, in modo da formare un'unica matrice relativa all'intera struttura.

- Matrice delle masse

La generazione della matrice globale è del tutto analoga a quella sopra descritta per la matrice di rigidezza. La matrice delle masse è di tipo "consistent" e considera l'effettiva distribuzione delle masse della struttura. Come definito dalla normativa, alle masse relative ai carichi permanenti, viene aggiunta un'aliquota delle masse equivalenti ai carichi d'esercizio.

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

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

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	ENTRY (build 2017-07-178)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Dati utente finale:	Alessandro Colaiacomo
Codice Utente:	0215-005
Codice Licenza:	E-Time

Modellazione della struttura.

Modellazione della geometria e proprietà meccaniche:	
nodi	50
elementi D2 (per aste, travi, pilastri...)	67
elementi D3 (per pareti, platee, gusci...)	0
elementi solaio	36
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	0.00
Xmax =	900.00
Ymin =	-50.00
Ymax =	620.00
Zmin =	-6.00
Zmax =	79.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	NO
Pareti	NO
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	SI
Gusci	NO
Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	NO
Solai senza la proprietà piano rigido	SI
Tipo di vincoli:	
Nodi vincolati rigidamente	SI
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	NO
Fondazioni con elementi solidi	NO

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

Affidabilità dei codici utilizzati

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

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

Analisi dei carichi

Predimensionamento tetto in legno semplice a orditura semplice

	Elemento	Tipologia	Materiale	Altezza	Larghezza	γ (daN/m ³)	daN/mq
PERMANENTE	Peso proprio trave Principali	Strutturale	Legno	24	32	350	26,88
	Peso proprio trave Secondarie	Strutturale	Legno	14	22	350	10,78
	Tavolato in legno	Strutturale	Legno	3		350	10,5
	Pannello 8 cm impermeabilizzazione+coibentazione	Non Strutturale	Misto	8			40
	Copertura in coppi	Non Strutturale	Laterizio				70
	Totale Gk						158,16
	Elemento	Tipologia	Materiale	Altezza	Larghezza	PESO(Kn/m ³)	daN/mq
VARIABILI	Neve						62
	Carico accidentale						50
	MAX Qk						62

Calcolo delle azioni della neve e del vento

Normativa di riferimento:

D.M. 14 gennaio 2008 - NORME TECNICHE PER LE COSTRUZIONI

Cap. 3 - AZIONI SULLE COSTRUZIONI - Par. 3.3 e 3.4

NEVE:

Zona Neve = III

Ce (coeff. di esposizione al vento) = 1,00

Valore caratteristico del carico al suolo (qsk Ce) = 75 daN/mq

Copertura a due falde:

Angolo di inclinazione della falda $\alpha_1 = 28,0^\circ$

$\mu_1(\alpha_1) = 0,80 \Rightarrow Q_1 = 60 \text{ daN/mq}$

Angolo di inclinazione della falda $\alpha_2 = 28,0^\circ$

$\mu_1(\alpha_2) = 0,80 \Rightarrow Q_2 = 60 \text{ daN/mq}$

VENTO:

Zona vento = 3

(Vb.o = 27 m/s; Ao = 500 m; Ka = 0,020 1/s)

Classe di rugosità del terreno: B

[Aree urbane (non di classe A), suburbane, industriali e boschive]

Categoria esposizione: tipo IV

(Kr = 0,22; Zo = 0,30 m; Zmin = 8 m)

Velocità di riferimento = 27,00 m/s

Pressione cinetica di riferimento (qb) = 46 daN/mq

Coefficiente di forma (Cp) = 1,00

Coefficiente dinamico (Cd) = 1,00

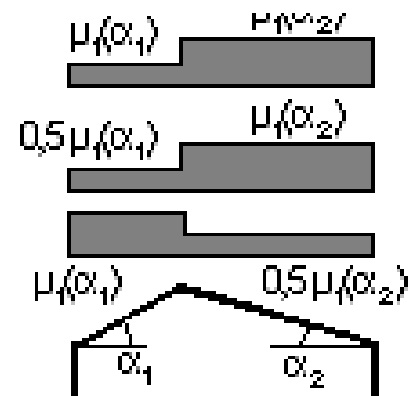
Coefficiente di esposizione (Ce) = 1,63

Coefficiente di esposizione topografica (Ct) = 1,00

Altezza dell'edificio = 4,41 m

Pressione del vento (p = qb Ce Cp Cd) = 74 daN/mq

Schema di carico:



Modellazione delle azioni

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

Combinazioni e/o percorsi di carico

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

Combinazioni dei casi di carico	
APPROCCIO PROGETTUALE	Approccio 2
Tensioni ammissibili	NO
SLU	SI
SLV (SLU con sisma)	NO
SLC	NO
SLD	NO
SLO	NO
SLU GEO A2 (per approccio 1)	NO
SLU EQU	NO
Combinazione caratteristica (rara)	SI
Combinazione frequente	SI
Combinazione quasi permanente (SLE)	SI
SLA (accidentale quale incendio)	SI

Principali risultati

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

2.8.1. Risultati dell'analisi modale

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

2.8.2. Deformate e sollecitazioni per condizioni di carico

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

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

2.8.4. Reazioni vincolari

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

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

per i dati in ingresso:

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

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

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

per il progetto-verifica degli elementi

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

Verifiche agli stati limite ultimi

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

Verifiche agli stati limite di esercizio

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

Relazione sui materiali

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

NORMATIVA DI RIFERIMENTO

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

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

CARATTERISTICHE MATERIALI UTILIZZATI

LEGENDA TABELLA DATI MATERIALI

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

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

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

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

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

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

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

Id	Tipo / Note	Young	Poisson	G	Gamma	Alfa
42	Legno massiccio C24	kN/ m2	kN/ m2	kN/ m2	kN/ m3	
	Modulo E0,05	1.000e+07	0.0	6.300e+05	3.5	0.0
	LamellareMateriale non massiccio e pertanto da considerare come lamellareNo	6.727e+06				
	Resist. fc0k	2.100e+04				
	Resist. ft0k	1.400e+04				
	Resist. fmk	2.400e+04				
	Resist. fvk	4000.0				

Legno	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
aste						
Beta assegnato	0.80					
travi						
3-3 Beta * L automatico	Si					
3-3 Beta assegnato	1.00					
3-3 Beta * L assegnato [cm]	0.0					
2-2 Beta * L automatico	Si					
2-2 Beta assegnato	1.00					
2-2 Beta * L assegnato [cm]	0.0					
1-1 Beta * L automatico	Si					
1-1 Beta assegnato	1.00					
1-1 Beta * L assegnato [cm]	0.0					
pilastr						
Metodo di calcolo 3-3	Assegnato					
3-3 Beta assegnato	2.00					
3-3 Beta * L assegnato [cm]	0.0					
Metodo di calcolo 2-2	Assegnato					
2-2 Beta assegnato	2.00					
2-2 Beta * L assegnato [cm]	0.0					
1-1 Beta assegnato	1.00					
1-1 Beta * L assegnato [cm]	0.0					
Generalità						
Gamma non sismico	1.50					
Gamma sismico	1.50					
Fattore di confidenza FC	0.0					
Classificazione						
Classe di servizio	2 (media umidità)					
Per classe di servizio 1						
Kmod permanente	0.60					
Kmod lunga	0.70					
Kmod media	0.80					
Kmod breve	0.90					
Kmod istantanea	1.00					
Kdef	0.60					
Per classe di servizio 2						
Kmod permanente	0.60					
Kmod lunga	0.70					
Kmod media	0.80					
Kmod breve	0.90					
Kmod istantanea	1.00					
Kdef	0.80					
Per classe di servizio 3						
Kmod permanente	0.50					
Kmod lunga	0.55					
Kmod media	0.65					
Kmod breve	0.70					
Kmod istantanea	0.90					
Kdef	2.00					



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:

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

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

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

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

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

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
14	Rettangolare: b=14 h=22	308.00	256.67	256.67	1.206e+04	5030.67	1.242e+04	718.67	1129.33	1078.00	1694.00
15	Rettangolare: b=24 h=32	768.00	640.00	640.00	7.971e+04	3.686e+04	6.554e+04	3072.00	4096.00	4608.00	6144.00

MODELLAZIONE STRUTTURA: NODI

LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

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

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

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z

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

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

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

TABELLA DATI NODI

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
3	0.0	620.0	-6.0	5	0.0	-50.0	-6.0	7	100.0	285.0	79.0
8	100.0	620.0	-6.0	10	100.0	-50.0	-6.0	12	200.0	285.0	79.0
13	200.0	620.0	-6.0	15	200.0	-50.0	-6.0	17	300.0	285.0	79.0
18	300.0	620.0	-6.0	20	300.0	-50.0	-6.0	22	400.0	285.0	79.0
23	400.0	620.0	-6.0	25	400.0	-50.0	-6.0	27	500.0	285.0	79.0
28	500.0	620.0	-6.0	30	500.0	-50.0	-6.0	32	600.0	285.0	79.0
33	600.0	620.0	-6.0	35	600.0	-50.0	-6.0	37	700.0	285.0	79.0
38	700.0	620.0	-6.0	40	700.0	-50.0	-6.0	42	800.0	285.0	79.0
43	800.0	620.0	-6.0	45	800.0	-50.0	-6.0	48	900.0	620.0	-6.0
50	900.0	-50.0	-6.0								

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig. RZ
	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN cm/rad
1	0.0	0.0	0.0	v=111000						
2	0.0	285.0	79.0	v=111000						
4	0.0	570.0	0.0	v=111000						
6	100.0	0.0	0.0	v=111000						
9	100.0	570.0	0.0	v=111000						
11	200.0	0.0	0.0	v=111000						
14	200.0	570.0	0.0	v=111000						
16	300.0	0.0	0.0	v=111000						
19	300.0	570.0	0.0	v=111000						
21	400.0	0.0	0.0	v=111000						
24	400.0	570.0	0.0	v=111000						
26	500.0	0.0	0.0	v=111000						
29	500.0	570.0	0.0	v=111000						
31	600.0	0.0	0.0	v=111000						
34	600.0	570.0	0.0	v=111000						
36	700.0	0.0	0.0	v=111000						
39	700.0	570.0	0.0	v=111000						



41	800.0	0.0	0.0	v=111000
44	800.0	570.0	0.0	v=111000
46	900.0	0.0	0.0	v=111000
47	900.0	285.0	79.0	v=111000
49	900.0	570.0	0.0	v=111000



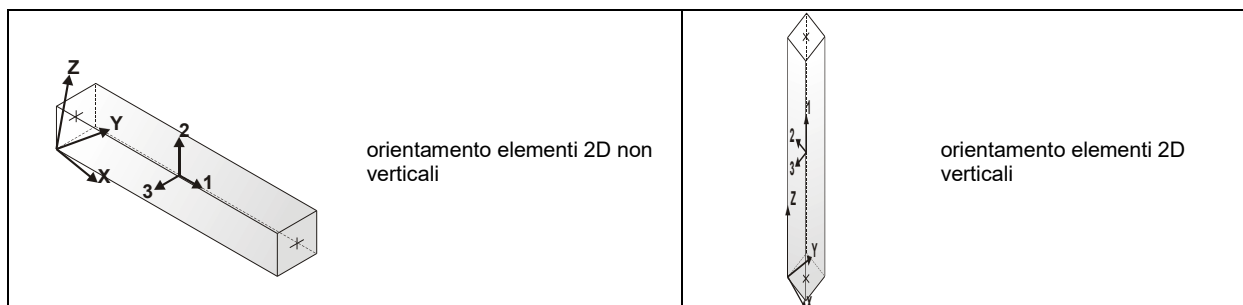
MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

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.



In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa,
Nodo I (J)	numero del nodo iniziale (finale)
Mat.	codice del materiale assegnato all'elemento
Sez.	codice della sezione assegnata all'elemento
Rotaz.	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
Svincolo I (J)	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)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

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
14	Rettangolare: b=14 h=22	308.00	256.67	256.67	1.206e+04	5030.67	1.242e+04	718.67	1129.33	1078.00	1694.00
15	Rettangolare: b=24 h=32	768.00	640.00	640.00	7.971e+04	3.686e+04	6.554e+04	3072.00	4096.00	4608.00	6144.00

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Trave	5	1	42	14					
2	Trave	1	2	42	14					
3	Trave	2	4	42	14					
4	Trave	4	3	42	14					
5	Trave	10	6	42	14					
6	Trave	6	7	42	14					
7	Trave	7	9	42	14					
8	Trave	9	8	42	14					
9	Trave	15	11	42	14					
10	Trave	11	12	42	14					
11	Trave	12	14	42	14					
12	Trave	14	13	42	14					
13	Trave	20	16	42	14					
14	Trave	16	17	42	14					
15	Trave	17	19	42	14					
16	Trave	19	18	42	14					
17	Trave	25	21	42	14					
18	Trave	21	22	42	14					
19	Trave	22	24	42	14					
20	Trave	24	23	42	14					
21	Trave	30	26	42	14					
22	Trave	26	27	42	14					
23	Trave	27	29	42	14					
24	Trave	29	28	42	14					
25	Trave	35	31	42	14					
26	Trave	31	32	42	14					
27	Trave	32	34	42	14					
28	Trave	34	33	42	14					
29	Trave	40	36	42	14					
30	Trave	36	37	42	14					
31	Trave	37	39	42	14					
32	Trave	39	38	42	14					
33	Trave	45	41	42	14					
34	Trave	41	42	42	14					
35	Trave	42	44	42	14					
36	Trave	44	43	42	14					
37	Trave	50	46	42	14					
38	Trave	46	47	42	14					
39	Trave	47	49	42	14					
40	Trave	49	48	42	14					
41	Trave	2	7	42	15					
42	Trave	7	12	42	15					
43	Trave	12	17	42	15					
44	Trave	17	22	42	15					
45	Trave	22	27	42	15					
46	Trave	27	32	42	15					
47	Trave	32	37	42	15					
48	Trave	37	42	42	15					
49	Trave	42	47	42	15					
50	Trave	1	6	42	15					
51	Trave	6	11	42	15					
52	Trave	11	16	42	15					
53	Trave	16	21	42	15					
54	Trave	21	26	42	15					
55	Trave	26	31	42	15					
56	Trave	31	36	42	15					
57	Trave	36	41	42	15					
58	Trave	41	46	42	15					
59	Trave	4	9	42	15					
60	Trave	9	14	42	15					
61	Trave	14	19	42	15					
62	Trave	19	24	42	15					
63	Trave	24	29	42	15					
64	Trave	29	34	42	15					
65	Trave	34	39	42	15					
66	Trave	39	44	42	15					
67	Trave	44	49	42	15					



MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

LEGENDA TABELLA DATI SOLAI-PANNELLI

Il programma utilizza per la modellazione elementi a tre o più nodi denominati in generale solaio o pannello.

Ogni elemento solaio-pannello è individuato da una poligonale di nodi 1,2, ..., N.

L'elemento solaio è utilizzato in primo luogo per la modellazione dei carichi agenti sugli elementi strutturali. In secondo luogo può essere utilizzato per la corretta ripartizione delle forze orizzontali agenti nel proprio piano. L'elemento balcone è derivato dall'elemento solaio.

I carichi agenti sugli elementi solaio, raccolti in un archivio, sono direttamente assegnati agli elementi utilizzando le informazioni raccolte nell'archivio (es. i coefficienti combinatori). La tabella seguente riporta i dati utilizzati per la definizione dei carichi e delle masse.

L'elemento pannello è utilizzato solo per l'applicazione dei carichi, quali pesi delle tamponature o spinte dovute al vento o terre. In questo caso i carichi sono applicati in analogia agli altri elementi strutturali (si veda il cap. SCHEMATIZZAZIONE DEI CASI DI CARICO).

Id.Arch.	Identificativo dell' archivio
Tipo	Tipo di carico Variab. Carico variabile generico Var. rid. Carico variabile generico con riduzione in funzione dell' area (c.5.5. ...) Neve Carico di neve
G1k	carico permanente (comprensivo del peso proprio)
G2k	carico permanente non strutturale e non compiutamente definito
Qk	carico variabile
Fatt. A	fattore di riduzione del carico variabile (0.5 o 0.75) per tipo "Var.rid."
S sis.	fattore di riduzione del carico variabile per la definizione delle masse sismiche per D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento")
Psi 0	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: per valore raro
Psi 1	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: per valore frequente
Psi 2	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: per valore quasi permanente
Psi S 2	Coefficiente di combinazione che fornisce il valore quasi-permanente dell'azione variabile: per la definizione delle masse sismiche
Fatt. Fi	Coefficiente di correlazione dei carichi per edifici

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione. In particolare per ogni elemento viene indicato in tabella:

Elem	numero dell'elemento
Tipo	codice di comportamento S elemento utilizzato solo per scarico C elemento utilizzato per scarico e per modellazione piano rigido P elemento utilizzato come pannello M scarico monodirezionale B scarico bidirezionale
Id.Arch.	Identificativo dell' archivio
Mat	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Orditura	angolo (rispetto all'asse X) della direzione dei travetti principali
Gk	carico permanente solaio (comprensivo del peso proprio)
Qk	carico variabile solaio
Nodi	numero dei nodi che definiscono l'elemento (5 per riga)

Nel caso in cui si sia proceduto alla progettazione dei solai con le tensioni ammissibili vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale); nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite vengono riportati il rapporto x/d e le verifiche per sollecitazioni proporzionali nonché le verifiche in esercizio.

In particolare i simboli utilizzati in tabella assumono il seguente significato:

Elem.	numero identificativo dell'elemento
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m);
Pos.	Ascissa del punto di verifica
F ist, F infi	Frecce istantanee e a tempo infinito
Momento	Momento flettente
Taglio	Sollecitazione di taglio
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup.	Area di armatura longitudinale posta all'estradosso della trave
AfV	Area dell'armatura atta ad assorbire le azioni di taglio
Beff	Base della sezione di cls per l'assorbimento del taglio
simboli utilizzati con il metodo delle tensioni ammissibili:	
sc max	Massima tensione di compressione del calcestruzzo
sf max	Massima tensione nell'acciaio
tau max	Massima tensione tangenziale nel cls
simboli utilizzati con il metodo degli stati limite:	
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione



	(per sola flessione)
verif.	rapporto Sd/Su con sollecitazioni ultime proporzionali: valore minore o uguale a 1 per verifica positiva
Verif.V	rapporto Sd/Su con sollecitazioni taglianti proporzionali valore minore o uguale a 1 per verifica positiva
rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rFfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni frequenti [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni frequenti [normalizzato a 1]
rFyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]

Nel caso in cui si sia proceduto alla verifica delle tamponature secondo il D.M. 14.01.2008 - §7.2.3 viene riportata una tabella riassuntiva delle verifiche degli elementi pannello. La verifica confronta i momenti sollecitanti indotti dal sisma con i momenti resistenti, secondo tre ipotesi, due basate sulla resistenza a pressoflessione della tamponatura ed una basata sul cinematismo a seguito della formazione di tre cerniere plastiche sulla tamponatura (rif. Ufficio di Vigilanza sulle Costruzioni, Provincia di Terni).

Qualora la tamponatura sia di tipo antiespulsione (nelle due possibili varianti ordinaria o armata) viene condotta una verifica con meccanismo ad arco con degrado di resistenza. La verifica confronta le pressioni sollecitanti indotte dal sisma con le pressioni resistenti che la tamponatura sviluppa attraverso il meccanismo ad arco. La verifica considera anche il degrado di resistenza dovuto al danneggiamento nel piano della tamponatura.

Per quest'ultima tamponatura sono disponibili, in funzione del materiale impiegato (materiale [52] o materiale [53]):

- **Tamponatura Antiespulsione ordinaria Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova. Utilizzabile per il materiale [52].
- **Tamponatura Antiespulsione armata Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova. Utilizzabile per il materiale [53].

La verifica è stata calibrata sulla base di prove sperimentali sul sistema di Tamponatura Antiespulsione anche in presenza di aperture. (rif. Rapporti di Prova redatti dal Dipartimento ICEA - Università degli Studi di Padova di test sperimentali condotti sul sistema Tamponatura Antiespulsione di Cis Edil)

In particolare i simboli utilizzati in tabella assumono il seguente significato:

Elem.	Numero identificativo dell'elemento
Stato	Codice di verifica
Ver. c.c.	Verifica nell'ipotesi di trave appoggiata con carico concentrato in mezzeria
Ver. c.d.	Verifica nell'ipotesi di trave appoggiata con carico distribuito
Ver. c.cin.	Verifica nell'ipotesi di cinematismo con formazione di cerniere plastiche in appoggio e mezzeria
Ver. CIS	Rapporto pa/pr (valore minore o uguale a 1 per verifica positiva)
Z	Quota del baricentro dell'elemento
T1	Periodo proprio dell'edificio nella direzione di interesse (ortogonale al pannello)
Ta	Periodo proprio della parete
Sa	Accelerazione massima, adimensionalizzata allo SLV
pa	Pressione sulla parete causata dall'azione sismica
pr	Pressione resistente del meccanismo ad arco
Drift	Spostamento relativo interpiano allo SLV valutato secondo il D.M. 14.01.2008 - § 7.3.3.3
Beta a	Coef. riduttivo per tener conto del danneggiamento del piano dipendente dallo spostamento, ottenuto sperimentalmente

8	Neve	kN/ m2 2.40	kN/ m2	kN/ m2 0.60	1.00	0.50	0.20	0.0	0.0	1.00			
Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k kN/ m2	G2k kN/ m2	Qk	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
1	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	7	9	4	2	
2	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	9	8	3	4	
3	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	50	46	41	45	
4	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	10	6	1	5	
5	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	12	14	9	7	
6	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	14	13	8	9	
7	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	6	11	12	7	
8	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	15	11	6	10	
9	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	17	19	14	12	
10	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	19	18	13	14	
11	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	11	16	17	12	
12	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	20	16	11	15	
13	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	22	24	19	17	
14	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	24	23	18	19	
15	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	16	21	22	17	
16	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	25	21	16	20	
17	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	27	29	24	22	
18	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	29	28	23	24	
19	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	21	26	27	22	
20	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	30	26	21	25	
21	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	32	34	29	27	
22	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	34	33	28	29	
23	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	26	31	32	27	
24	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	35	31	26	30	
25	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	37	39	34	32	
26	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	39	38	33	34	
27	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	31	36	37	32	
28	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	40	36	31	35	
29	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	42	44	39	37	
30	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	44	43	38	39	
31	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	36	41	42	37	
32	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	45	41	36	40	
33	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	41	46	47	42	
34	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	49	48	43	44	
35	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	1	6	7	2	
36	SM	8	m=42	1.0	0.0	2.40	0.60	0.60	47	49	44	42	



MODELLAZIONE DELLE AZIONI

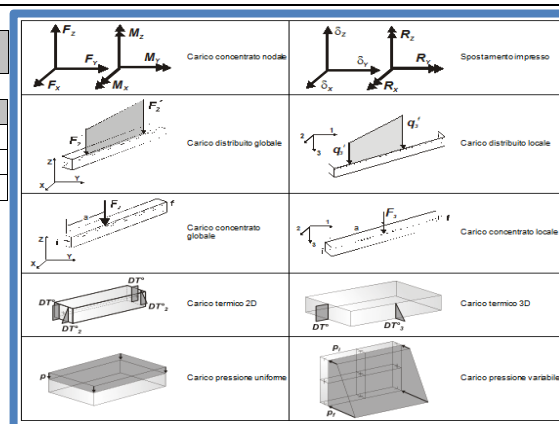
LEGENDA TABELLA DATI AZIONI

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:

1	carico concentrato nodale 6 dati (forza F_x, F_y, F_z , momento M_x, M_y, M_z)
2	spostamento nodale impresso 6 dati (spostamento T_x, T_y, T_z , rotazione R_x, R_y, R_z)
3	carico distribuito globale su elemento tipo trave 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)
4	carico distribuito locale su elemento tipo trave 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)
5	carico concentrato globale su elemento tipo trave 7 dati ($F_x, F_y, F_z, M_x, M_y, M_z$, ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati ($F_1, F_2, F_3, M_1, M_2, M_3$, ascissa di carico)
7	variazione termica applicata ad elemento tipo trave 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	carico di pressione uniforme su elemento tipo piastra 1 dato (pressione)
9	carico di pressione variabile su elemento tipo piastra 4 dati (pressione, quota, pressione, quota)
10	variazione termica applicata ad elemento tipo piastra 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)

Tipo	carico distribuito globale su trave
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Id	Tipo	Pos.	f_x	f_y	f_z	m_x	m_y	m_z
		m	kN/ m	kN/ m	kN/ m	kN	kN	kN
1	Vento $F_z = -0.70$ $F_z = -0.70$	0.0	0.0	0.0	-0.70	0.0	0.0	0.0
		0.0	0.0	0.0	-0.70	0.0	0.0	0.0



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	Et	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 solaio) 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	Gsk	CDC=G1sk (permanente solai-coperture)	
3	Qnk	CDC=Qnk (carico da neve)	
4	Esk	CDC=Es (statico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura) partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture) partecipazione:1.00 per 3 CDC=Qnk (carico da neve)
5	Esk	CDC=Es (statico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
6	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
7	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
8	Esk	CDC=Es (statico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
9	Esk	CDC=Es (statico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
10	Esk	CDC=Es (statico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
11	Esk	CDC=Es (statico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico
12	Qk	CDC=Qk (variabile generico) Vento	D2 :da 2 a 3 Azione : DG:Fzi=-0.70 Fzf=-0.70 D2 :da 6 a 7 Azione : DG:Fzi=-0.70 Fzf=-0.70 D2 :da 10 a 11 Azione : DG:Fzi=-0.70 Fzf=-0.70 D2 :da 14 a 15 Azione : DG:Fzi=-0.70 Fzf=-0.70 D2 :da 18 a 19 Azione : DG:Fzi=-0.70 Fzf=-0.70 D2 :da 22 a 23 Azione : DG:Fzi=-0.70 Fzf=-0.70 D2 :da 26 a 27 Azione : DG:Fzi=-0.70 Fzf=-0.70 D2 :da 30 a 31 Azione : DG:Fzi=-0.70 Fzf=-0.70 D2 :da 34 a 35 Azione : DG:Fzi=-0.70 Fzf=-0.70 D2 :da 38 a 39 Azione : DG:Fzi=-0.70 Fzf=-0.70

DEFINIZIONE DELLE COMBINAZIONI

LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

Combinazione fondamentale SLU

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

Combinazione caratteristica (rara) SLE

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

Combinazione frequente SLE

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

Combinazione quasi permanente SLE

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

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

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

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

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

Dove:

NTC 2008 Tabella 2.5.I

Destinazione d'uso/azione	ψ_0	ψ_1	ψ_2
Categoria A residenziali	0,70	0,50	0,30
Categoria B uffici	0,70	0,50	0,30
Categoria C ambienti suscettibili di affollamento	0,70	0,70	0,60
Categoria D ambienti ad uso commerciale	0,70	0,70	0,60
Categoria E biblioteche, archivi, magazzini,...	1,00	0,90	0,80
Categoria F Rimesse e parcheggi (autoveicoli $\leq 30kN$)	0,70	0,70	0,60
Categoria G Rimesse e parcheggi (autoveicoli $> 30kN$)	0,70	0,50	0,30
Categoria H Coperture	0,00	0,00	0,00
Vento	0,60	0,20	0,00
Neve a quota ≤ 1000 m	0,50	0,20	0,00
Neve a quota > 1000 m	0,70	0,50	0,20
Variazioni Termiche	0,60	0,50	0,00

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

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

NTC 2008 Tabella 2.6.I

		Coefficiente γ_f	EQU	A1	A2
Carichi permanenti	Favorevoli	γ_{G1}	0,9	1,0	1,0
	Sfavorevoli		1,1	1,3	1,0
Carichi permanenti non strutturali (Non compiutamente definiti)	Favorevoli	γ_{G2}	0,0	0,0	0,0
	Sfavorevoli		1,5	1,5	1,3
Carichi variabili	Favorevoli	γ_{Qi}	0,0	0,0	0,0
	Sfavorevoli		1,5	1,5	1,3

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLE(r)	Comb. SLE(rara) 1	
2	SLE(r)	Comb. SLE(rara) 2	
3	SLE(r)	Comb. SLE(rara) 3	
4	SLE(r)	Comb. SLE(rara) 4	
5	SLE(r)	Comb. SLE(rara) 5	
6	SLE(r)	Comb. SLE(rara) 6	
7	SLE(r)	Comb. SLE(rara) 7	
8	SLE(r)	Comb. SLE(rara) 8	
9	SLE(r)	Comb. SLE(rara) 9	
10	SLE(r)	Comb. SLE(rara) 10	
11	SLE(r)	Comb. SLE(rara) 11	
12	SLE(r)	Comb. SLE(rara) 12	
13	SLE(f)	Comb. SLE(freq.) 13	
14	SLE(f)	Comb. SLE(freq.) 14	
15	SLE(f)	Comb. SLE(freq.) 15	
16	SLE(f)	Comb. SLE(freq.) 16	
17	SLE(f)	Comb. SLE(freq.) 17	
18	SLE(f)	Comb. SLE(freq.) 18	
19	SLE(f)	Comb. SLE(freq.) 19	
20	SLE(p)	Comb. SLE(perm.) 20	
21	SLU	Comb. SLU A1 21	
22	SLU	Comb. SLU A1 22	
23	SLU	Comb. SLU A1 23	
24	SLU	Comb. SLU A1 24	
25	SLU	Comb. SLU A1 25	
26	SLU	Comb. SLU A1 26	
27	SLU	Comb. SLU A1 27	
28	SLU	Comb. SLU A1 28	
29	SLU	Comb. SLU A1 29	
30	SLU	Comb. SLU A1 30	
31	SLU	Comb. SLU A1 31	
32	SLU	Comb. SLU A1 32	
33	SLU	Comb. SLU A1 33	
34	SLU	Comb. SLU A1 34	
35	SLU	Comb. SLU A1 35	
36	SLU	Comb. SLU A1 36	
37	SLU	Comb. SLU A1 37	
38	SLU	Comb. SLU A1 38	
39	SLU	Comb. SLU A1 39	
40	SLU	Comb. SLU A1 40	
41	SLU	Comb. SLU A1 41	
42	SLU	Comb. SLU A1 42	
43	SLU	Comb. SLU A1 43	
44	SLU	Comb. SLU A1 44	
45	SLU(acc.)	Comb. SLU (Accid.) 45	



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	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.60	0.60
	0.60	0.60												
2	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.60	0.60
	0.60	0.60												
3	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.60	0.60
	0.60	0.60												
4	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.60	0.60
	0.60	0.60												
5	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	1.00	0.60
	0.60	0.60												
6	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	1.00	0.60
	0.60	0.60												
7	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.60	1.00
	0.60	0.60												
8	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.60	1.00
	0.60	0.60												
9	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.60	0.60
	1.00	0.60												
10	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.60	0.60
	1.00	0.60												
11	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.60	0.60
	0.60	1.00												
12	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.60	0.60
	0.60	1.00												
13	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
14	1.00	1.00	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
15	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0
	0.0	0.0												
16	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0
	0.0	0.0												
17	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20
	0.0	0.0												
18	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.20	0.0												
19	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.20												
20	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
21	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	0.90
	0.90	0.90												
22	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	0.90
	0.90	0.90												
23	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	0.90
	0.90	0.90												
24	1.00	1.00	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	0.90
	0.90	0.90												
25	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.90	0.90
	0.90	0.90												
26	1.30	1.30	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.90	0.90
	0.90	0.90												
27	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.90	0.90
	0.90	0.90												
28	1.00	1.00	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.90	0.90
	0.90	0.90												
29	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.50	0.90
	0.90	0.90												
30	1.30	1.30	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.50	0.90
	0.90	0.90												
31	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.50	0.90
	0.90	0.90												
32	1.00	1.00	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.50	0.90
	0.90	0.90												
33	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	1.50
	0.90	0.90												
34	1.30	1.30	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	1.50
	0.90	0.90												
35	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	1.50
	0.90	0.90												
36	1.00	1.00	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	1.50
	0.90	0.90												
37	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	0.90



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...
	1.50	0.90												
38	1.30	1.30	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	0.90
	1.50	0.90												
39	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	0.90
	1.50	0.90												
40	1.00	1.00	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	0.90
	1.50	0.90												
41	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	0.90
	0.90	1.50												
42	1.30	1.30	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	0.90
	0.90	1.50												
43	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	0.90
	0.90	1.50												
44	1.00	1.00	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.90	0.90
	0.90	1.50												
45	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												



AZIONE SISMICA

VALUTAZIONE DELL' AZIONE SISMICA

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

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

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

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

Parametri della struttura					
Classe d'uso	Vita V_n [anni]	Coeff. Uso	Periodo V_r [anni]	Tipo di suolo	Categoria topografica
II	50.0	1.0	50.0	C	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 $S = S_s \cdot S_t$ (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.	12.778	41.688	
29404	12.754	41.683	2.062
29405	12.821	41.683	3.602
29183	12.820	41.733	6.078
29182	12.753	41.733	5.399

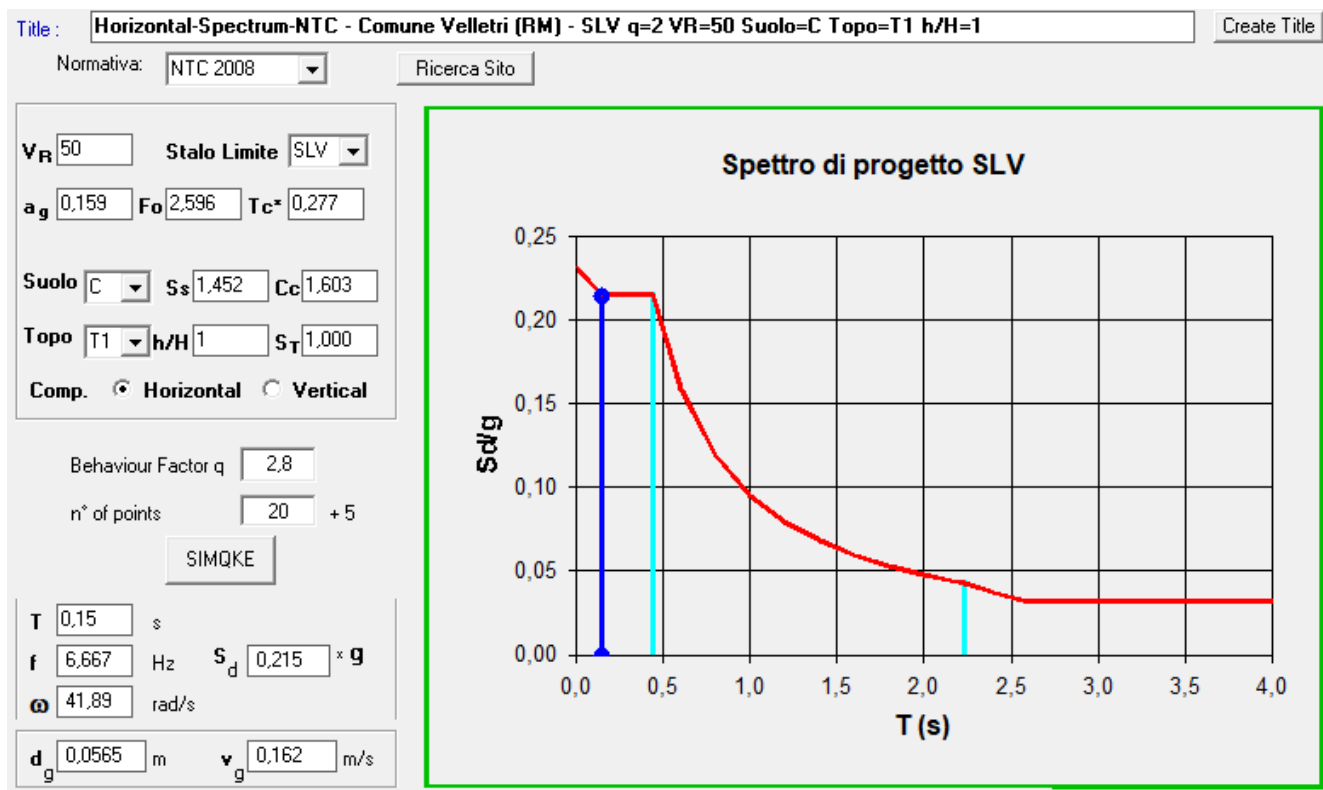
SL	P _{ver}	T _r	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	30.0	0.054	2.440	0.260
SLD	63.0	50.0	0.072	2.370	0.270
SLV	10.0	475.0	0.165	2.590	0.280
SLC	5.0	975.0	0.209	2.530	0.280

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.054	1.200	2.440	0.766	0.125	0.374	1.816
SLD	0.072	1.200	2.370	0.859	0.129	0.386	1.888
SLV	0.165	1.200	2.590	1.418	0.132	0.397	2.258
SLC	0.209	1.188	2.530	1.562	0.132	0.397	2.437

Si ipotizza che un'analisi lineare statica possa essere effettuata, quindi si modella l'azione sismica direttamente attraverso lo spettro di progetto definito precedentemente. Il periodo della struttura pari a $T=0.05 \cdot H^{3/4} = 0.15$ s con un fattore di struttura pari a 2,8.

Il valore massimo dello spettro di risposta elastico in accelerazione delle componenti orizzontali è:

$$S_e = a_g \times S \times \eta \times F_0 = 0,215 \text{ g con } a_g = 0,159 \text{ g. } S = 1,452 \text{ } F_0 = 2,596.$$



Calcolo della massa della copertura.
 Superficie della copertura = 54.6 m².
 Massa lineare dei profili trave 14 cm · 22 cm = 10 kg/m.
 Massa lineare dei profili trave 24 cm · 32 cm = 26.88kg/m.
 Massa lineare dei profili tavolato 3 cm = 10 kg/m².
 Massa della copertura in coppo = 10 kg/m².

Lunghezza totale profili Principale: 9.10 m
 Lunghezza totale profili secondari: 56 m

Quindi la massa soggetta all'azione sismica è 56 m x 10 kg/m + 9.1 m x 26.88 kg/m + 54.6*20 kg/m² = 1896 kg
 L'azione sismica orizzontale massima nominale sulla struttura è quindi: 1896 x 0,215 = **407** kg.
 Confrontando questo valore con quello del vento che spinge sulla facciata della struttura verticale pari a 0,74 Kpa determinando un'azione agente sulla copertura pari a **437** kg
 si puo concludere che:

L'azione sismica non è l'azione più sfavorevole per la struttura in esame.

RISULTATI NODALI

LEGENDA RISULTATI NODALI

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

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

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

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

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	1	0.0	0.0	0.0	-5.16e-04	1.77e-06	3.91e-06
1	2	0.0	0.0	0.0	-5.82e-04	1.78e-06	4.62e-06
1	3	0.0	0.0	0.0	-6.48e-04	1.78e-06	4.33e-06
1	4	0.0	0.0	0.0	-6.80e-04	1.79e-06	4.69e-06
1	5	0.0	0.0	0.0	-5.16e-04	1.77e-06	3.91e-06
1	6	0.0	0.0	0.0	-5.49e-04	1.78e-06	4.26e-06
1	7	0.0	0.0	0.0	-5.16e-04	1.77e-06	3.91e-06
1	8	0.0	0.0	0.0	-5.49e-04	1.78e-06	4.26e-06
1	9	0.0	0.0	0.0	-5.16e-04	1.77e-06	3.91e-06
1	10	0.0	0.0	0.0	-5.49e-04	1.78e-06	4.26e-06
1	11	0.0	0.0	0.0	-5.16e-04	1.77e-06	3.91e-06
1	12	0.0	0.0	0.0	-5.49e-04	1.78e-06	4.26e-06
1	13	0.0	0.0	0.0	-3.20e-04	1.76e-06	3.27e-06
1	14	0.0	0.0	0.0	-3.33e-04	1.76e-06	3.42e-06
1	15	0.0	0.0	0.0	-3.85e-04	1.76e-06	3.49e-06
1	16	0.0	0.0	0.0	-3.20e-04	1.76e-06	3.27e-06
1	17	0.0	0.0	0.0	-3.20e-04	1.76e-06	3.27e-06
1	18	0.0	0.0	0.0	-3.20e-04	1.76e-06	3.27e-06
1	19	0.0	0.0	0.0	-3.20e-04	1.76e-06	3.27e-06
1	20	0.0	0.0	0.0	-3.20e-04	1.76e-06	3.27e-06
1	21	0.0	0.0	0.0	-7.11e-04	2.30e-06	5.21e-06
1	22	0.0	0.0	0.0	-8.09e-04	2.33e-06	6.27e-06
1	23	0.0	0.0	0.0	-6.15e-04	1.78e-06	4.23e-06
1	24	0.0	0.0	0.0	-7.13e-04	1.80e-06	5.29e-06
1	25	0.0	0.0	0.0	-9.07e-04	2.32e-06	5.84e-06
1	26	0.0	0.0	0.0	-9.57e-04	2.33e-06	6.38e-06
1	27	0.0	0.0	0.0	-8.11e-04	1.79e-06	4.86e-06
1	28	0.0	0.0	0.0	-8.61e-04	1.80e-06	5.39e-06
1	29	0.0	0.0	0.0	-7.11e-04	2.30e-06	5.21e-06
1	30	0.0	0.0	0.0	-7.60e-04	2.31e-06	5.74e-06
1	31	0.0	0.0	0.0	-6.15e-04	1.78e-06	4.23e-06
1	32	0.0	0.0	0.0	-6.64e-04	1.79e-06	4.76e-06
1	33	0.0	0.0	0.0	-7.11e-04	2.30e-06	5.21e-06
1	34	0.0	0.0	0.0	-7.60e-04	2.31e-06	5.74e-06
1	35	0.0	0.0	0.0	-6.15e-04	1.78e-06	4.23e-06
1	36	0.0	0.0	0.0	-6.64e-04	1.79e-06	4.76e-06
1	37	0.0	0.0	0.0	-7.11e-04	2.30e-06	5.21e-06
1	38	0.0	0.0	0.0	-7.60e-04	2.31e-06	5.74e-06
1	39	0.0	0.0	0.0	-6.15e-04	1.78e-06	4.23e-06
1	40	0.0	0.0	0.0	-6.64e-04	1.79e-06	4.76e-06
1	41	0.0	0.0	0.0	-7.11e-04	2.30e-06	5.21e-06
1	42	0.0	0.0	0.0	-7.60e-04	2.31e-06	5.74e-06
1	43	0.0	0.0	0.0	-6.15e-04	1.78e-06	4.23e-06
1	44	0.0	0.0	0.0	-6.64e-04	1.79e-06	4.76e-06
1	45	0.0	0.0	0.0	-3.20e-04	1.76e-06	3.27e-06
2	1	0.0	0.0	0.0	-4.75e-04	4.40e-04	0.0
2	2	0.0	0.0	0.0	-5.89e-04	5.20e-04	0.0
2	3	0.0	0.0	0.0	-4.75e-04	4.87e-04	0.0
2	4	0.0	0.0	0.0	-5.32e-04	5.28e-04	0.0
2	5	0.0	0.0	0.0	-4.75e-04	4.40e-04	0.0
2	6	0.0	0.0	0.0	-5.32e-04	4.80e-04	0.0
2	7	0.0	0.0	0.0	-4.75e-04	4.40e-04	0.0
2	8	0.0	0.0	0.0	-5.32e-04	4.80e-04	0.0
2	9	0.0	0.0	0.0	-4.75e-04	4.40e-04	0.0
2	10	0.0	0.0	0.0	-5.32e-04	4.80e-04	0.0
2	11	0.0	0.0	0.0	-4.75e-04	4.40e-04	0.0



2	12	0.0	0.0	0.0	-5.32e-04	4.80e-04	0.0
2	13	0.0	0.0	0.0	-4.75e-04	3.68e-04	0.0
2	14	0.0	0.0	0.0	-4.97e-04	3.84e-04	0.0
2	15	0.0	0.0	0.0	-4.75e-04	3.92e-04	0.0
2	16	0.0	0.0	0.0	-4.75e-04	3.68e-04	0.0
2	17	0.0	0.0	0.0	-4.75e-04	3.68e-04	0.0
2	18	0.0	0.0	0.0	-4.75e-04	3.68e-04	0.0
2	19	0.0	0.0	0.0	-4.75e-04	3.68e-04	0.0
2	20	0.0	0.0	0.0	-4.75e-04	3.68e-04	0.0
2	21	0.0	0.0	0.0	-6.17e-04	5.86e-04	0.0
2	22	0.0	0.0	0.0	-7.88e-04	7.07e-04	0.0
2	23	0.0	0.0	0.0	-4.75e-04	4.76e-04	0.0
2	24	0.0	0.0	0.0	-6.46e-04	5.97e-04	0.0
2	25	0.0	0.0	0.0	-6.17e-04	6.58e-04	0.0
2	26	0.0	0.0	0.0	-7.03e-04	7.18e-04	0.0
2	27	0.0	0.0	0.0	-4.75e-04	5.47e-04	0.0
2	28	0.0	0.0	0.0	-5.60e-04	6.08e-04	0.0
2	29	0.0	0.0	0.0	-6.17e-04	5.86e-04	0.0
2	30	0.0	0.0	0.0	-7.03e-04	6.47e-04	0.0
2	31	0.0	0.0	0.0	-4.75e-04	4.76e-04	0.0
2	32	0.0	0.0	0.0	-5.60e-04	5.36e-04	0.0
2	33	0.0	0.0	0.0	-6.17e-04	5.86e-04	0.0
2	34	0.0	0.0	0.0	-7.03e-04	6.47e-04	0.0
2	35	0.0	0.0	0.0	-4.75e-04	4.76e-04	0.0
2	36	0.0	0.0	0.0	-5.60e-04	5.36e-04	0.0
2	37	0.0	0.0	0.0	-6.17e-04	5.86e-04	0.0
2	38	0.0	0.0	0.0	-7.03e-04	6.47e-04	0.0
2	39	0.0	0.0	0.0	-4.75e-04	4.76e-04	0.0
2	40	0.0	0.0	0.0	-5.60e-04	5.36e-04	0.0
2	41	0.0	0.0	0.0	-6.17e-04	5.86e-04	0.0
2	42	0.0	0.0	0.0	-7.03e-04	6.47e-04	0.0
2	43	0.0	0.0	0.0	-4.75e-04	4.76e-04	0.0
2	44	0.0	0.0	0.0	-5.60e-04	5.36e-04	0.0
2	45	0.0	0.0	0.0	-4.75e-04	3.68e-04	0.0
3	1	1.85e-04	8.47e-03	0.07	1.43e-03	1.77e-06	-3.91e-06
3	2	2.20e-04	0.01	0.08	1.71e-03	1.78e-06	-4.62e-06
3	3	2.06e-04	9.26e-03	0.08	1.56e-03	1.78e-06	-4.33e-06
3	4	2.24e-04	0.01	0.08	1.70e-03	1.79e-06	-4.69e-06
3	5	1.85e-04	8.47e-03	0.07	1.43e-03	1.77e-06	-3.91e-06
3	6	2.03e-04	9.31e-03	0.08	1.57e-03	1.78e-06	-4.27e-06
3	7	1.85e-04	8.47e-03	0.07	1.43e-03	1.77e-06	-3.91e-06
3	8	2.03e-04	9.31e-03	0.08	1.57e-03	1.78e-06	-4.27e-06
3	9	1.85e-04	8.47e-03	0.07	1.43e-03	1.77e-06	-3.91e-06
3	10	2.03e-04	9.31e-03	0.08	1.57e-03	1.78e-06	-4.27e-06
3	11	1.85e-04	8.47e-03	0.07	1.43e-03	1.77e-06	-3.91e-06
3	12	2.03e-04	9.31e-03	0.08	1.57e-03	1.78e-06	-4.27e-06
3	13	1.53e-04	7.29e-03	0.06	1.23e-03	1.76e-06	-3.28e-06
3	14	1.60e-04	7.63e-03	0.06	1.29e-03	1.76e-06	-3.42e-06
3	15	1.64e-04	7.68e-03	0.06	1.29e-03	1.76e-06	-3.49e-06
3	16	1.53e-04	7.29e-03	0.06	1.23e-03	1.76e-06	-3.28e-06
3	17	1.53e-04	7.29e-03	0.06	1.23e-03	1.76e-06	-3.28e-06
3	18	1.53e-04	7.29e-03	0.06	1.23e-03	1.76e-06	-3.28e-06
3	19	1.53e-04	7.29e-03	0.06	1.23e-03	1.76e-06	-3.28e-06
3	20	1.53e-04	7.29e-03	0.06	1.23e-03	1.76e-06	-3.28e-06
3	21	2.47e-04	0.01	0.09	1.89e-03	2.30e-06	-5.21e-06
3	22	3.00e-04	0.01	0.11	2.32e-03	2.32e-06	-6.28e-06
3	23	2.01e-04	9.06e-03	0.08	1.52e-03	1.78e-06	-4.23e-06
3	24	2.54e-04	0.01	0.10	1.95e-03	1.80e-06	-5.30e-06
3	25	2.78e-04	0.01	0.10	2.09e-03	2.32e-06	-5.85e-06
3	26	3.05e-04	0.01	0.11	2.30e-03	2.33e-06	-6.38e-06
3	27	2.32e-04	0.01	0.09	1.72e-03	1.79e-06	-4.86e-06
3	28	2.59e-04	0.01	0.10	1.93e-03	1.80e-06	-5.40e-06
3	29	2.47e-04	0.01	0.09	1.89e-03	2.30e-06	-5.21e-06
3	30	2.73e-04	0.01	0.10	2.11e-03	2.31e-06	-5.74e-06
3	31	2.01e-04	9.06e-03	0.08	1.52e-03	1.78e-06	-4.23e-06
3	32	2.27e-04	0.01	0.09	1.74e-03	1.79e-06	-4.76e-06
3	33	2.47e-04	0.01	0.09	1.89e-03	2.30e-06	-5.21e-06
3	34	2.73e-04	0.01	0.10	2.11e-03	2.31e-06	-5.74e-06
3	35	2.01e-04	9.06e-03	0.08	1.52e-03	1.78e-06	-4.23e-06
3	36	2.27e-04	0.01	0.09	1.74e-03	1.79e-06	-4.76e-06
3	37	2.47e-04	0.01	0.09	1.89e-03	2.30e-06	-5.21e-06
3	38	2.73e-04	0.01	0.10	2.11e-03	2.31e-06	-5.74e-06
3	39	2.01e-04	9.06e-03	0.08	1.52e-03	1.78e-06	-4.23e-06
3	40	2.27e-04	0.01	0.09	1.74e-03	1.79e-06	-4.76e-06
3	41	2.47e-04	0.01	0.09	1.89e-03	2.30e-06	-5.21e-06
3	42	2.73e-04	0.01	0.10	2.11e-03	2.31e-06	-5.74e-06
3	43	2.01e-04	9.06e-03	0.08	1.52e-03	1.78e-06	-4.23e-06



3	44	2.27e-04	0.01	0.09	1.74e-03	1.79e-06	-4.76e-06
3	45	1.53e-04	7.29e-03	0.06	1.23e-03	1.76e-06	-3.28e-06
4	1	0.0	0.0	0.0	1.45e-03	1.77e-06	-3.91e-06
4	2	0.0	0.0	0.0	1.74e-03	1.78e-06	-4.62e-06
4	3	0.0	0.0	0.0	1.58e-03	1.78e-06	-4.33e-06
4	4	0.0	0.0	0.0	1.72e-03	1.79e-06	-4.69e-06
4	5	0.0	0.0	0.0	1.45e-03	1.77e-06	-3.91e-06
4	6	0.0	0.0	0.0	1.59e-03	1.78e-06	-4.27e-06
4	7	0.0	0.0	0.0	1.45e-03	1.77e-06	-3.91e-06
4	8	0.0	0.0	0.0	1.59e-03	1.78e-06	-4.27e-06
4	9	0.0	0.0	0.0	1.45e-03	1.77e-06	-3.91e-06
4	10	0.0	0.0	0.0	1.59e-03	1.78e-06	-4.27e-06
4	11	0.0	0.0	0.0	1.45e-03	1.77e-06	-3.91e-06
4	12	0.0	0.0	0.0	1.59e-03	1.78e-06	-4.27e-06
4	13	0.0	0.0	0.0	1.25e-03	1.76e-06	-3.28e-06
4	14	0.0	0.0	0.0	1.31e-03	1.76e-06	-3.42e-06
4	15	0.0	0.0	0.0	1.32e-03	1.76e-06	-3.49e-06
4	16	0.0	0.0	0.0	1.25e-03	1.76e-06	-3.28e-06
4	17	0.0	0.0	0.0	1.25e-03	1.76e-06	-3.28e-06
4	18	0.0	0.0	0.0	1.25e-03	1.76e-06	-3.28e-06
4	19	0.0	0.0	0.0	1.25e-03	1.76e-06	-3.28e-06
4	20	0.0	0.0	0.0	1.25e-03	1.76e-06	-3.28e-06
4	21	0.0	0.0	0.0	1.92e-03	2.30e-06	-5.21e-06
4	22	0.0	0.0	0.0	2.36e-03	2.32e-06	-6.28e-06
4	23	0.0	0.0	0.0	1.55e-03	1.78e-06	-4.23e-06
4	24	0.0	0.0	0.0	1.98e-03	1.80e-06	-5.30e-06
4	25	0.0	0.0	0.0	2.12e-03	2.32e-06	-5.85e-06
4	26	0.0	0.0	0.0	2.34e-03	2.33e-06	-6.38e-06
4	27	0.0	0.0	0.0	1.74e-03	1.79e-06	-4.86e-06
4	28	0.0	0.0	0.0	1.96e-03	1.80e-06	-5.40e-06
4	29	0.0	0.0	0.0	1.92e-03	2.30e-06	-5.21e-06
4	30	0.0	0.0	0.0	2.14e-03	2.31e-06	-5.74e-06
4	31	0.0	0.0	0.0	1.55e-03	1.78e-06	-4.23e-06
4	32	0.0	0.0	0.0	1.76e-03	1.79e-06	-4.76e-06
4	33	0.0	0.0	0.0	1.92e-03	2.30e-06	-5.21e-06
4	34	0.0	0.0	0.0	2.14e-03	2.31e-06	-5.74e-06
4	35	0.0	0.0	0.0	1.55e-03	1.78e-06	-4.23e-06
4	36	0.0	0.0	0.0	1.76e-03	1.79e-06	-4.76e-06
4	37	0.0	0.0	0.0	1.92e-03	2.30e-06	-5.21e-06
4	38	0.0	0.0	0.0	2.14e-03	2.31e-06	-5.74e-06
4	39	0.0	0.0	0.0	1.55e-03	1.78e-06	-4.23e-06
4	40	0.0	0.0	0.0	1.76e-03	1.79e-06	-4.76e-06
4	41	0.0	0.0	0.0	1.92e-03	2.30e-06	-5.21e-06
4	42	0.0	0.0	0.0	2.14e-03	2.31e-06	-5.74e-06
4	43	0.0	0.0	0.0	1.55e-03	1.78e-06	-4.23e-06
4	44	0.0	0.0	0.0	1.76e-03	1.79e-06	-4.76e-06
4	45	0.0	0.0	0.0	1.25e-03	1.76e-06	-3.28e-06
5	1	1.85e-04	-2.88e-03	0.02	-4.94e-04	1.77e-06	3.91e-06
5	2	2.20e-04	-3.23e-03	0.03	-5.55e-04	1.78e-06	4.62e-06
5	3	2.06e-04	-3.67e-03	0.03	-6.25e-04	1.78e-06	4.33e-06
5	4	2.24e-04	-3.84e-03	0.03	-6.56e-04	1.79e-06	4.69e-06
5	5	1.85e-04	-2.88e-03	0.02	-4.94e-04	1.77e-06	3.91e-06
5	6	2.03e-04	-3.06e-03	0.03	-5.24e-04	1.78e-06	4.26e-06
5	7	1.85e-04	-2.88e-03	0.02	-4.94e-04	1.77e-06	3.91e-06
5	8	2.03e-04	-3.06e-03	0.03	-5.24e-04	1.78e-06	4.26e-06
5	9	1.85e-04	-2.88e-03	0.02	-4.94e-04	1.77e-06	3.91e-06
5	10	2.03e-04	-3.06e-03	0.03	-5.24e-04	1.78e-06	4.26e-06
5	11	1.85e-04	-2.88e-03	0.02	-4.94e-04	1.77e-06	3.91e-06
5	12	2.03e-04	-3.06e-03	0.03	-5.24e-04	1.78e-06	4.26e-06
5	13	1.53e-04	-1.70e-03	0.01	-2.97e-04	1.76e-06	3.27e-06
5	14	1.60e-04	-1.77e-03	0.01	-3.09e-04	1.76e-06	3.42e-06
5	15	1.64e-04	-2.10e-03	0.02	-3.63e-04	1.76e-06	3.49e-06
5	16	1.53e-04	-1.70e-03	0.01	-2.97e-04	1.76e-06	3.27e-06
5	17	1.53e-04	-1.70e-03	0.01	-2.97e-04	1.76e-06	3.27e-06
5	18	1.53e-04	-1.70e-03	0.01	-2.97e-04	1.76e-06	3.27e-06
5	19	1.53e-04	-1.70e-03	0.01	-2.97e-04	1.76e-06	3.27e-06
5	20	1.53e-04	-1.70e-03	0.01	-2.97e-04	1.76e-06	3.27e-06
5	21	2.47e-04	-3.98e-03	0.03	-6.82e-04	2.30e-06	5.21e-06
5	22	3.00e-04	-4.50e-03	0.04	-7.73e-04	2.33e-06	6.27e-06
5	23	2.01e-04	-3.47e-03	0.03	-5.92e-04	1.78e-06	4.23e-06
5	24	2.54e-04	-3.99e-03	0.03	-6.83e-04	1.80e-06	5.29e-06
5	25	2.78e-04	-5.16e-03	0.04	-8.78e-04	2.32e-06	5.84e-06
5	26	3.05e-04	-5.42e-03	0.05	-9.24e-04	2.33e-06	6.38e-06
5	27	2.32e-04	-4.65e-03	0.04	-7.89e-04	1.79e-06	4.86e-06
5	28	2.59e-04	-4.91e-03	0.04	-8.35e-04	1.80e-06	5.39e-06
5	29	2.47e-04	-3.98e-03	0.03	-6.82e-04	2.30e-06	5.21e-06
5	30	2.73e-04	-4.24e-03	0.04	-7.27e-04	2.31e-06	5.74e-06



5	31	2.01e-04	-3.47e-03	0.03	-5.92e-04	1.78e-06	4.23e-06
5	32	2.27e-04	-3.73e-03	0.03	-6.38e-04	1.79e-06	4.76e-06
5	33	2.47e-04	-3.98e-03	0.03	-6.82e-04	2.30e-06	5.21e-06
5	34	2.73e-04	-4.24e-03	0.04	-7.27e-04	2.31e-06	5.74e-06
5	35	2.01e-04	-3.47e-03	0.03	-5.92e-04	1.78e-06	4.23e-06
5	36	2.27e-04	-3.73e-03	0.03	-6.38e-04	1.79e-06	4.76e-06
5	37	2.47e-04	-3.98e-03	0.03	-6.82e-04	2.30e-06	5.21e-06
5	38	2.73e-04	-4.24e-03	0.04	-7.27e-04	2.31e-06	5.74e-06
5	39	2.01e-04	-3.47e-03	0.03	-5.92e-04	1.78e-06	4.23e-06
5	40	2.27e-04	-3.73e-03	0.03	-6.38e-04	1.79e-06	4.76e-06
5	41	2.47e-04	-3.98e-03	0.03	-6.82e-04	2.30e-06	5.21e-06
5	42	2.73e-04	-4.24e-03	0.04	-7.27e-04	2.31e-06	5.74e-06
5	43	2.01e-04	-3.47e-03	0.03	-5.92e-04	1.78e-06	4.23e-06
5	44	2.27e-04	-3.73e-03	0.03	-6.38e-04	1.79e-06	4.76e-06
5	45	1.53e-04	-1.70e-03	0.01	-2.97e-04	1.76e-06	3.27e-06
6	1	0.0	0.0	0.0	-7.12e-04	0.0	1.21e-06
6	2	0.0	0.0	0.0	-8.16e-04	0.0	1.43e-06
6	3	0.0	0.0	0.0	-8.58e-04	0.0	1.33e-06
6	4	0.0	0.0	0.0	-9.10e-04	0.0	1.44e-06
6	5	0.0	0.0	0.0	-7.12e-04	0.0	1.21e-06
6	6	0.0	0.0	0.0	-7.64e-04	0.0	1.32e-06
6	7	0.0	0.0	0.0	-7.12e-04	0.0	1.21e-06
6	8	0.0	0.0	0.0	-7.64e-04	0.0	1.32e-06
6	9	0.0	0.0	0.0	-7.12e-04	0.0	1.21e-06
6	10	0.0	0.0	0.0	-7.64e-04	0.0	1.32e-06
6	11	0.0	0.0	0.0	-7.12e-04	0.0	1.21e-06
6	12	0.0	0.0	0.0	-7.64e-04	0.0	1.32e-06
6	13	0.0	0.0	0.0	-4.91e-04	0.0	1.02e-06
6	14	0.0	0.0	0.0	-5.12e-04	0.0	1.07e-06
6	15	0.0	0.0	0.0	-5.65e-04	0.0	1.09e-06
6	16	0.0	0.0	0.0	-4.91e-04	0.0	1.02e-06
6	17	0.0	0.0	0.0	-4.91e-04	0.0	1.02e-06
6	18	0.0	0.0	0.0	-4.91e-04	0.0	1.02e-06
6	19	0.0	0.0	0.0	-4.91e-04	0.0	1.02e-06
6	20	0.0	0.0	0.0	-4.91e-04	0.0	1.02e-06
6	21	0.0	0.0	0.0	-9.69e-04	0.0	1.60e-06
6	22	0.0	0.0	0.0	-1.13e-03	0.0	1.95e-06
6	23	0.0	0.0	0.0	-8.22e-04	0.0	1.30e-06
6	24	0.0	0.0	0.0	-9.78e-04	0.0	1.64e-06
6	25	0.0	0.0	0.0	-1.19e-03	0.0	1.78e-06
6	26	0.0	0.0	0.0	-1.27e-03	0.0	1.96e-06
6	27	0.0	0.0	0.0	-1.04e-03	0.0	1.48e-06
6	28	0.0	0.0	0.0	-1.12e-03	0.0	1.65e-06
6	29	0.0	0.0	0.0	-9.69e-04	0.0	1.60e-06
6	30	0.0	0.0	0.0	-1.05e-03	0.0	1.77e-06
6	31	0.0	0.0	0.0	-8.22e-04	0.0	1.30e-06
6	32	0.0	0.0	0.0	-9.00e-04	0.0	1.47e-06
6	33	0.0	0.0	0.0	-9.69e-04	0.0	1.60e-06
6	34	0.0	0.0	0.0	-1.05e-03	0.0	1.77e-06
6	35	0.0	0.0	0.0	-8.22e-04	0.0	1.30e-06
6	36	0.0	0.0	0.0	-9.00e-04	0.0	1.47e-06
6	37	0.0	0.0	0.0	-9.69e-04	0.0	1.60e-06
6	38	0.0	0.0	0.0	-1.05e-03	0.0	1.77e-06
6	39	0.0	0.0	0.0	-8.22e-04	0.0	1.30e-06
6	40	0.0	0.0	0.0	-9.00e-04	0.0	1.47e-06
6	41	0.0	0.0	0.0	-9.69e-04	0.0	1.60e-06
6	42	0.0	0.0	0.0	-1.05e-03	0.0	1.77e-06
6	43	0.0	0.0	0.0	-8.22e-04	0.0	1.30e-06
6	44	0.0	0.0	0.0	-9.00e-04	0.0	1.47e-06
6	45	0.0	0.0	0.0	-4.91e-04	0.0	1.02e-06
7	1	7.82e-06	3.19e-06	-0.04	-4.10e-04	3.32e-04	0.0
7	2	9.33e-06	3.96e-06	-0.05	-5.09e-04	3.94e-04	0.0
7	3	8.56e-06	3.19e-06	-0.05	-4.10e-04	3.65e-04	0.0
7	4	9.31e-06	3.58e-06	-0.05	-4.59e-04	3.96e-04	0.0
7	5	7.82e-06	3.19e-06	-0.04	-4.10e-04	3.32e-04	0.0
7	6	8.57e-06	3.58e-06	-0.05	-4.59e-04	3.63e-04	0.0
7	7	7.82e-06	3.19e-06	-0.04	-4.10e-04	3.32e-04	0.0
7	8	8.57e-06	3.58e-06	-0.05	-4.59e-04	3.63e-04	0.0
7	9	7.82e-06	3.19e-06	-0.04	-4.10e-04	3.32e-04	0.0
7	10	8.57e-06	3.58e-06	-0.05	-4.59e-04	3.63e-04	0.0
7	11	7.82e-06	3.19e-06	-0.04	-4.10e-04	3.32e-04	0.0
7	12	8.57e-06	3.58e-06	-0.05	-4.59e-04	3.63e-04	0.0
7	13	6.72e-06	3.19e-06	-0.04	-4.10e-04	2.81e-04	0.0
7	14	7.02e-06	3.35e-06	-0.04	-4.30e-04	2.94e-04	0.0
7	15	7.09e-06	3.19e-06	-0.04	-4.10e-04	2.98e-04	0.0
7	16	6.72e-06	3.19e-06	-0.04	-4.10e-04	2.81e-04	0.0
7	17	6.72e-06	3.19e-06	-0.04	-4.10e-04	2.81e-04	0.0



7	18	6.72e-06	3.19e-06	-0.04	-4.10e-04	2.81e-04	0.0
7	19	6.72e-06	3.19e-06	-0.04	-4.10e-04	2.81e-04	0.0
7	20	6.72e-06	3.19e-06	-0.04	-4.10e-04	2.81e-04	0.0
7	21	1.04e-05	4.15e-06	-0.06	-5.33e-04	4.41e-04	0.0
7	22	1.26e-05	5.30e-06	-0.07	-6.81e-04	5.35e-04	0.0
7	23	8.37e-06	3.19e-06	-0.05	-4.10e-04	3.57e-04	0.0
7	24	1.06e-05	4.35e-06	-0.06	-5.58e-04	4.50e-04	0.0
7	25	1.15e-05	4.15e-06	-0.07	-5.33e-04	4.91e-04	0.0
7	26	1.26e-05	4.73e-06	-0.07	-6.07e-04	5.38e-04	0.0
7	27	9.48e-06	3.19e-06	-0.06	-4.10e-04	4.07e-04	0.0
7	28	1.06e-05	3.77e-06	-0.06	-4.84e-04	4.54e-04	0.0
7	29	1.04e-05	4.15e-06	-0.06	-5.33e-04	4.41e-04	0.0
7	30	1.15e-05	4.73e-06	-0.06	-6.07e-04	4.88e-04	0.0
7	31	8.37e-06	3.19e-06	-0.05	-4.10e-04	3.57e-04	0.0
7	32	9.50e-06	3.77e-06	-0.05	-4.84e-04	4.04e-04	0.0
7	33	1.04e-05	4.15e-06	-0.06	-5.33e-04	4.41e-04	0.0
7	34	1.15e-05	4.73e-06	-0.06	-6.07e-04	4.88e-04	0.0
7	35	8.37e-06	3.19e-06	-0.05	-4.10e-04	3.57e-04	0.0
7	36	9.50e-06	3.77e-06	-0.05	-4.84e-04	4.04e-04	0.0
7	37	1.04e-05	4.15e-06	-0.06	-5.33e-04	4.41e-04	0.0
7	38	1.15e-05	4.73e-06	-0.06	-6.07e-04	4.88e-04	0.0
7	39	8.37e-06	3.19e-06	-0.05	-4.10e-04	3.57e-04	0.0
7	40	9.50e-06	3.77e-06	-0.05	-4.84e-04	4.04e-04	0.0
7	41	1.04e-05	4.15e-06	-0.06	-5.33e-04	4.41e-04	0.0
7	42	1.15e-05	4.73e-06	-0.06	-6.07e-04	4.88e-04	0.0
7	43	8.37e-06	3.19e-06	-0.05	-4.10e-04	3.57e-04	0.0
7	44	9.50e-06	3.77e-06	-0.05	-4.84e-04	4.04e-04	0.0
7	45	6.72e-06	3.19e-06	-0.04	-4.10e-04	2.81e-04	0.0
8	1	6.02e-05	8.56e-03	0.07	1.45e-03	0.0	-1.20e-06
8	2	7.16e-05	0.01	0.09	1.73e-03	0.0	-1.43e-06
8	3	6.62e-05	9.44e-03	0.08	1.60e-03	0.0	-1.33e-06
8	4	7.19e-05	0.01	0.09	1.74e-03	0.0	-1.44e-06
8	5	6.02e-05	8.56e-03	0.07	1.45e-03	0.0	-1.20e-06
8	6	6.59e-05	9.39e-03	0.08	1.59e-03	0.0	-1.32e-06
8	7	6.02e-05	8.56e-03	0.07	1.45e-03	0.0	-1.20e-06
8	8	6.59e-05	9.39e-03	0.08	1.59e-03	0.0	-1.32e-06
8	9	6.02e-05	8.56e-03	0.07	1.45e-03	0.0	-1.20e-06
8	10	6.59e-05	9.39e-03	0.08	1.59e-03	0.0	-1.32e-06
8	11	6.02e-05	8.56e-03	0.07	1.45e-03	0.0	-1.20e-06
8	12	6.59e-05	9.39e-03	0.08	1.59e-03	0.0	-1.32e-06
8	13	5.11e-05	7.23e-03	0.06	1.23e-03	0.0	-1.02e-06
8	14	5.34e-05	7.57e-03	0.06	1.29e-03	0.0	-1.07e-06
8	15	5.41e-05	7.67e-03	0.06	1.31e-03	0.0	-1.08e-06
8	16	5.11e-05	7.23e-03	0.06	1.23e-03	0.0	-1.02e-06
8	17	5.11e-05	7.23e-03	0.06	1.23e-03	0.0	-1.02e-06
8	18	5.11e-05	7.23e-03	0.06	1.23e-03	0.0	-1.02e-06
8	19	5.11e-05	7.23e-03	0.06	1.23e-03	0.0	-1.02e-06
8	20	5.11e-05	7.23e-03	0.06	1.23e-03	0.0	-1.02e-06
8	21	8.00e-05	0.01	0.09	1.93e-03	0.0	-1.60e-06
8	22	9.71e-05	0.01	0.12	2.36e-03	0.0	-1.95e-06
8	23	6.47e-05	9.22e-03	0.08	1.56e-03	0.0	-1.30e-06
8	24	8.18e-05	0.01	0.10	1.99e-03	0.0	-1.64e-06
8	25	8.90e-05	0.01	0.11	2.15e-03	0.0	-1.78e-06
8	26	9.76e-05	0.01	0.12	2.36e-03	0.0	-1.95e-06
8	27	7.37e-05	0.01	0.09	1.78e-03	0.0	-1.48e-06
8	28	8.22e-05	0.01	0.10	1.99e-03	0.0	-1.65e-06
8	29	8.00e-05	0.01	0.09	1.93e-03	0.0	-1.60e-06
8	30	8.86e-05	0.01	0.11	2.14e-03	0.0	-1.77e-06
8	31	6.47e-05	9.22e-03	0.08	1.56e-03	0.0	-1.30e-06
8	32	7.32e-05	0.01	0.09	1.77e-03	0.0	-1.47e-06
8	33	8.00e-05	0.01	0.09	1.93e-03	0.0	-1.60e-06
8	34	8.86e-05	0.01	0.11	2.14e-03	0.0	-1.77e-06
8	35	6.47e-05	9.22e-03	0.08	1.56e-03	0.0	-1.30e-06
8	36	7.32e-05	0.01	0.09	1.77e-03	0.0	-1.47e-06
8	37	8.00e-05	0.01	0.09	1.93e-03	0.0	-1.60e-06
8	38	8.86e-05	0.01	0.11	2.14e-03	0.0	-1.77e-06
8	39	6.47e-05	9.22e-03	0.08	1.56e-03	0.0	-1.30e-06
8	40	7.32e-05	0.01	0.09	1.77e-03	0.0	-1.47e-06
8	41	8.00e-05	0.01	0.09	1.93e-03	0.0	-1.60e-06
8	42	8.86e-05	0.01	0.11	2.14e-03	0.0	-1.77e-06
8	43	6.47e-05	9.22e-03	0.08	1.56e-03	0.0	-1.30e-06
8	44	7.32e-05	0.01	0.09	1.77e-03	0.0	-1.47e-06
8	45	5.11e-05	7.23e-03	0.06	1.23e-03	0.0	-1.02e-06
9	1	0.0	0.0	0.0	1.49e-03	0.0	-1.20e-06
9	2	0.0	0.0	0.0	1.79e-03	0.0	-1.43e-06
9	3	0.0	0.0	0.0	1.64e-03	0.0	-1.33e-06
9	4	0.0	0.0	0.0	1.79e-03	0.0	-1.44e-06



9	5	0.0	0.0	0.0	1.49e-03	0.0	-1.20e-06
9	6	0.0	0.0	0.0	1.64e-03	0.0	-1.32e-06
9	7	0.0	0.0	0.0	1.49e-03	0.0	-1.20e-06
9	8	0.0	0.0	0.0	1.64e-03	0.0	-1.32e-06
9	9	0.0	0.0	0.0	1.49e-03	0.0	-1.20e-06
9	10	0.0	0.0	0.0	1.64e-03	0.0	-1.32e-06
9	11	0.0	0.0	0.0	1.49e-03	0.0	-1.20e-06
9	12	0.0	0.0	0.0	1.64e-03	0.0	-1.32e-06
9	13	0.0	0.0	0.0	1.27e-03	0.0	-1.02e-06
9	14	0.0	0.0	0.0	1.33e-03	0.0	-1.07e-06
9	15	0.0	0.0	0.0	1.35e-03	0.0	-1.08e-06
9	16	0.0	0.0	0.0	1.27e-03	0.0	-1.02e-06
9	17	0.0	0.0	0.0	1.27e-03	0.0	-1.02e-06
9	18	0.0	0.0	0.0	1.27e-03	0.0	-1.02e-06
9	19	0.0	0.0	0.0	1.27e-03	0.0	-1.02e-06
9	20	0.0	0.0	0.0	1.27e-03	0.0	-1.02e-06
9	21	0.0	0.0	0.0	1.99e-03	0.0	-1.60e-06
9	22	0.0	0.0	0.0	2.43e-03	0.0	-1.95e-06
9	23	0.0	0.0	0.0	1.60e-03	0.0	-1.30e-06
9	24	0.0	0.0	0.0	2.04e-03	0.0	-1.64e-06
9	25	0.0	0.0	0.0	2.21e-03	0.0	-1.78e-06
9	26	0.0	0.0	0.0	2.43e-03	0.0	-1.95e-06
9	27	0.0	0.0	0.0	1.83e-03	0.0	-1.48e-06
9	28	0.0	0.0	0.0	2.04e-03	0.0	-1.65e-06
9	29	0.0	0.0	0.0	1.99e-03	0.0	-1.60e-06
9	30	0.0	0.0	0.0	2.21e-03	0.0	-1.77e-06
9	31	0.0	0.0	0.0	1.60e-03	0.0	-1.30e-06
9	32	0.0	0.0	0.0	1.82e-03	0.0	-1.47e-06
9	33	0.0	0.0	0.0	1.99e-03	0.0	-1.60e-06
9	34	0.0	0.0	0.0	2.21e-03	0.0	-1.77e-06
9	35	0.0	0.0	0.0	1.60e-03	0.0	-1.30e-06
9	36	0.0	0.0	0.0	1.82e-03	0.0	-1.47e-06
9	37	0.0	0.0	0.0	1.99e-03	0.0	-1.60e-06
9	38	0.0	0.0	0.0	2.21e-03	0.0	-1.77e-06
9	39	0.0	0.0	0.0	1.60e-03	0.0	-1.30e-06
9	40	0.0	0.0	0.0	1.82e-03	0.0	-1.47e-06
9	41	0.0	0.0	0.0	1.99e-03	0.0	-1.60e-06
9	42	0.0	0.0	0.0	2.21e-03	0.0	-1.77e-06
9	43	0.0	0.0	0.0	1.60e-03	0.0	-1.30e-06
9	44	0.0	0.0	0.0	1.82e-03	0.0	-1.47e-06
9	45	0.0	0.0	0.0	1.27e-03	0.0	-1.02e-06
10	1	6.02e-05	-3.86e-03	0.03	-6.69e-04	0.0	1.21e-06
10	2	7.16e-05	-4.38e-03	0.04	-7.63e-04	0.0	1.43e-06
10	3	6.62e-05	-4.74e-03	0.04	-8.16e-04	0.0	1.33e-06
10	4	7.19e-05	-5.00e-03	0.04	-8.63e-04	0.0	1.44e-06
10	5	6.02e-05	-3.86e-03	0.03	-6.69e-04	0.0	1.21e-06
10	6	6.59e-05	-4.12e-03	0.03	-7.16e-04	0.0	1.32e-06
10	7	6.02e-05	-3.86e-03	0.03	-6.69e-04	0.0	1.21e-06
10	8	6.59e-05	-4.12e-03	0.03	-7.16e-04	0.0	1.32e-06
10	9	6.02e-05	-3.86e-03	0.03	-6.69e-04	0.0	1.21e-06
10	10	6.59e-05	-4.12e-03	0.03	-7.16e-04	0.0	1.32e-06
10	11	6.02e-05	-3.86e-03	0.03	-6.69e-04	0.0	1.21e-06
10	12	6.59e-05	-4.12e-03	0.03	-7.16e-04	0.0	1.32e-06
10	13	5.12e-05	-2.53e-03	0.02	-4.49e-04	0.0	1.02e-06
10	14	5.35e-05	-2.64e-03	0.02	-4.67e-04	0.0	1.07e-06
10	15	5.42e-05	-2.98e-03	0.02	-5.22e-04	0.0	1.09e-06
10	16	5.12e-05	-2.53e-03	0.02	-4.49e-04	0.0	1.02e-06
10	17	5.12e-05	-2.53e-03	0.02	-4.49e-04	0.0	1.02e-06
10	18	5.12e-05	-2.53e-03	0.02	-4.49e-04	0.0	1.02e-06
10	19	5.12e-05	-2.53e-03	0.02	-4.49e-04	0.0	1.02e-06
10	20	5.12e-05	-2.53e-03	0.02	-4.49e-04	0.0	1.02e-06
10	21	8.01e-05	-5.28e-03	0.04	-9.14e-04	0.0	1.60e-06
10	22	9.72e-05	-6.07e-03	0.05	-1.05e-03	0.0	1.95e-06
10	23	6.47e-05	-4.52e-03	0.04	-7.79e-04	0.0	1.30e-06
10	24	8.18e-05	-5.31e-03	0.04	-9.20e-04	0.0	1.64e-06
10	25	8.91e-05	-6.60e-03	0.05	-1.13e-03	0.0	1.78e-06
10	26	9.76e-05	-7.00e-03	0.06	-1.20e-03	0.0	1.96e-06
10	27	7.37e-05	-5.84e-03	0.05	-9.99e-04	0.0	1.48e-06
10	28	8.23e-05	-6.23e-03	0.05	-1.07e-03	0.0	1.65e-06
10	29	8.01e-05	-5.28e-03	0.04	-9.14e-04	0.0	1.60e-06
10	30	8.86e-05	-5.67e-03	0.05	-9.84e-04	0.0	1.77e-06
10	31	6.47e-05	-4.52e-03	0.04	-7.79e-04	0.0	1.30e-06
10	32	7.33e-05	-4.91e-03	0.04	-8.50e-04	0.0	1.47e-06
10	33	8.01e-05	-5.28e-03	0.04	-9.14e-04	0.0	1.60e-06
10	34	8.86e-05	-5.67e-03	0.05	-9.84e-04	0.0	1.77e-06
10	35	6.47e-05	-4.52e-03	0.04	-7.79e-04	0.0	1.30e-06
10	36	7.33e-05	-4.91e-03	0.04	-8.50e-04	0.0	1.47e-06



10	37	8.01e-05	-5.28e-03	0.04	-9.14e-04	0.0	1.60e-06
10	38	8.86e-05	-5.67e-03	0.05	-9.84e-04	0.0	1.77e-06
10	39	6.47e-05	-4.52e-03	0.04	-7.79e-04	0.0	1.30e-06
10	40	7.33e-05	-4.91e-03	0.04	-8.50e-04	0.0	1.47e-06
10	41	8.01e-05	-5.28e-03	0.04	-9.14e-04	0.0	1.60e-06
10	42	8.86e-05	-5.67e-03	0.05	-9.84e-04	0.0	1.77e-06
10	43	6.47e-05	-4.52e-03	0.04	-7.79e-04	0.0	1.30e-06
10	44	7.33e-05	-4.91e-03	0.04	-8.50e-04	0.0	1.47e-06
10	45	5.12e-05	-2.53e-03	0.02	-4.49e-04	0.0	1.02e-06
11	1	0.0	0.0	0.0	-1.26e-03	0.0	0.0
11	2	0.0	0.0	0.0	-1.49e-03	0.0	0.0
11	3	0.0	0.0	0.0	-1.42e-03	0.0	0.0
11	4	0.0	0.0	0.0	-1.53e-03	0.0	0.0
11	5	0.0	0.0	0.0	-1.26e-03	0.0	0.0
11	6	0.0	0.0	0.0	-1.38e-03	0.0	0.0
11	7	0.0	0.0	0.0	-1.26e-03	0.0	0.0
11	8	0.0	0.0	0.0	-1.38e-03	0.0	0.0
11	9	0.0	0.0	0.0	-1.26e-03	0.0	0.0
11	10	0.0	0.0	0.0	-1.38e-03	0.0	0.0
11	11	0.0	0.0	0.0	-1.26e-03	0.0	0.0
11	12	0.0	0.0	0.0	-1.38e-03	0.0	0.0
11	13	0.0	0.0	0.0	-1.03e-03	0.0	0.0
11	14	0.0	0.0	0.0	-1.08e-03	0.0	0.0
11	15	0.0	0.0	0.0	-1.11e-03	0.0	0.0
11	16	0.0	0.0	0.0	-1.03e-03	0.0	0.0
11	17	0.0	0.0	0.0	-1.03e-03	0.0	0.0
11	18	0.0	0.0	0.0	-1.03e-03	0.0	0.0
11	19	0.0	0.0	0.0	-1.03e-03	0.0	0.0
11	20	0.0	0.0	0.0	-1.03e-03	0.0	0.0
11	21	0.0	0.0	0.0	-1.69e-03	0.0	0.0
11	22	0.0	0.0	0.0	-2.04e-03	0.0	0.0
11	23	0.0	0.0	0.0	-1.38e-03	0.0	0.0
11	24	0.0	0.0	0.0	-1.73e-03	0.0	0.0
11	25	0.0	0.0	0.0	-1.92e-03	0.0	0.0
11	26	0.0	0.0	0.0	-2.10e-03	0.0	0.0
11	27	0.0	0.0	0.0	-1.61e-03	0.0	0.0
11	28	0.0	0.0	0.0	-1.79e-03	0.0	0.0
11	29	0.0	0.0	0.0	-1.69e-03	0.0	0.0
11	30	0.0	0.0	0.0	-1.86e-03	0.0	0.0
11	31	0.0	0.0	0.0	-1.38e-03	0.0	0.0
11	32	0.0	0.0	0.0	-1.55e-03	0.0	0.0
11	33	0.0	0.0	0.0	-1.69e-03	0.0	0.0
11	34	0.0	0.0	0.0	-1.86e-03	0.0	0.0
11	35	0.0	0.0	0.0	-1.38e-03	0.0	0.0
11	36	0.0	0.0	0.0	-1.55e-03	0.0	0.0
11	37	0.0	0.0	0.0	-1.69e-03	0.0	0.0
11	38	0.0	0.0	0.0	-1.86e-03	0.0	0.0
11	39	0.0	0.0	0.0	-1.38e-03	0.0	0.0
11	40	0.0	0.0	0.0	-1.55e-03	0.0	0.0
11	41	0.0	0.0	0.0	-1.69e-03	0.0	0.0
11	42	0.0	0.0	0.0	-1.86e-03	0.0	0.0
11	43	0.0	0.0	0.0	-1.38e-03	0.0	0.0
11	44	0.0	0.0	0.0	-1.55e-03	0.0	0.0
11	45	0.0	0.0	0.0	-1.03e-03	0.0	0.0
12	1	8.12e-06	-3.07e-06	-0.07	-9.00e-05	1.39e-04	0.0
12	2	9.71e-06	-3.80e-06	-0.08	-1.12e-04	1.67e-04	0.0
12	3	8.82e-06	-3.07e-06	-0.07	-9.00e-05	1.50e-04	0.0
12	4	9.62e-06	-3.44e-06	-0.08	-1.01e-04	1.64e-04	0.0
12	5	8.12e-06	-3.07e-06	-0.07	-9.00e-05	1.39e-04	0.0
12	6	8.91e-06	-3.44e-06	-0.07	-1.01e-04	1.53e-04	0.0
12	7	8.12e-06	-3.07e-06	-0.07	-9.00e-05	1.39e-04	0.0
12	8	8.91e-06	-3.44e-06	-0.07	-1.01e-04	1.53e-04	0.0
12	9	8.12e-06	-3.07e-06	-0.07	-9.00e-05	1.39e-04	0.0
12	10	8.91e-06	-3.44e-06	-0.07	-1.01e-04	1.53e-04	0.0
12	11	8.12e-06	-3.07e-06	-0.07	-9.00e-05	1.39e-04	0.0
12	12	8.91e-06	-3.44e-06	-0.07	-1.01e-04	1.53e-04	0.0
12	13	7.05e-06	-3.07e-06	-0.06	-9.00e-05	1.23e-04	0.0
12	14	7.37e-06	-3.21e-06	-0.06	-9.44e-05	1.28e-04	0.0
12	15	7.41e-06	-3.07e-06	-0.06	-9.00e-05	1.28e-04	0.0
12	16	7.05e-06	-3.07e-06	-0.06	-9.00e-05	1.23e-04	0.0
12	17	7.05e-06	-3.07e-06	-0.06	-9.00e-05	1.23e-04	0.0
12	18	7.05e-06	-3.07e-06	-0.06	-9.00e-05	1.23e-04	0.0
12	19	7.05e-06	-3.07e-06	-0.06	-9.00e-05	1.23e-04	0.0
12	20	7.05e-06	-3.07e-06	-0.06	-9.00e-05	1.23e-04	0.0
12	21	1.08e-05	-3.99e-06	-0.09	-1.17e-04	1.84e-04	0.0
12	22	1.31e-05	-5.09e-06	-0.11	-1.50e-04	2.26e-04	0.0
12	23	8.65e-06	-3.07e-06	-0.07	-9.00e-05	1.47e-04	0.0



12	24	1.10e-05	-4.17e-06	-0.09	-1.23e-04	1.89e-04	0.0
12	25	1.18e-05	-3.99e-06	-0.10	-1.17e-04	2.01e-04	0.0
12	26	1.30e-05	-4.54e-06	-0.11	-1.33e-04	2.22e-04	0.0
12	27	9.71e-06	-3.07e-06	-0.08	-9.00e-05	1.64e-04	0.0
12	28	1.09e-05	-3.62e-06	-0.09	-1.06e-04	1.85e-04	0.0
12	29	1.08e-05	-3.99e-06	-0.09	-1.17e-04	1.84e-04	0.0
12	30	1.20e-05	-4.54e-06	-0.10	-1.33e-04	2.05e-04	0.0
12	31	8.65e-06	-3.07e-06	-0.07	-9.00e-05	1.47e-04	0.0
12	32	9.84e-06	-3.62e-06	-0.08	-1.06e-04	1.68e-04	0.0
12	33	1.08e-05	-3.99e-06	-0.09	-1.17e-04	1.84e-04	0.0
12	34	1.20e-05	-4.54e-06	-0.10	-1.33e-04	2.05e-04	0.0
12	35	8.65e-06	-3.07e-06	-0.07	-9.00e-05	1.47e-04	0.0
12	36	9.84e-06	-3.62e-06	-0.08	-1.06e-04	1.68e-04	0.0
12	37	1.08e-05	-3.99e-06	-0.09	-1.17e-04	1.84e-04	0.0
12	38	1.20e-05	-4.54e-06	-0.10	-1.33e-04	2.05e-04	0.0
12	39	8.65e-06	-3.07e-06	-0.07	-9.00e-05	1.47e-04	0.0
12	40	9.84e-06	-3.62e-06	-0.08	-1.06e-04	1.68e-04	0.0
12	41	1.08e-05	-3.99e-06	-0.09	-1.17e-04	1.84e-04	0.0
12	42	1.20e-05	-4.54e-06	-0.10	-1.33e-04	2.05e-04	0.0
12	43	8.65e-06	-3.07e-06	-0.07	-9.00e-05	1.47e-04	0.0
12	44	9.84e-06	-3.62e-06	-0.08	-1.06e-04	1.68e-04	0.0
12	45	7.05e-06	-3.07e-06	-0.06	-9.00e-05	1.23e-04	0.0
13	1	2.77e-05	8.45e-03	0.07	1.43e-03	0.0	0.0
13	2	3.33e-05	0.01	0.08	1.71e-03	0.0	0.0
13	3	2.98e-05	9.39e-03	0.08	1.59e-03	0.0	0.0
13	4	3.26e-05	0.01	0.08	1.73e-03	0.0	0.0
13	5	2.77e-05	8.45e-03	0.07	1.43e-03	0.0	0.0
13	6	3.05e-05	9.26e-03	0.08	1.57e-03	0.0	0.0
13	7	2.77e-05	8.45e-03	0.07	1.43e-03	0.0	0.0
13	8	3.05e-05	9.26e-03	0.08	1.57e-03	0.0	0.0
13	9	2.77e-05	8.45e-03	0.07	1.43e-03	0.0	0.0
13	10	3.05e-05	9.26e-03	0.08	1.57e-03	0.0	0.0
13	11	2.77e-05	8.45e-03	0.07	1.43e-03	0.0	0.0
13	12	3.05e-05	9.26e-03	0.08	1.57e-03	0.0	0.0
13	13	2.46e-05	7.05e-03	0.06	1.20e-03	0.0	0.0
13	14	2.57e-05	7.37e-03	0.06	1.26e-03	0.0	0.0
13	15	2.56e-05	7.52e-03	0.06	1.28e-03	0.0	0.0
13	16	2.46e-05	7.05e-03	0.06	1.20e-03	0.0	0.0
13	17	2.46e-05	7.05e-03	0.06	1.20e-03	0.0	0.0
13	18	2.46e-05	7.05e-03	0.06	1.20e-03	0.0	0.0
13	19	2.46e-05	7.05e-03	0.06	1.20e-03	0.0	0.0
13	20	2.46e-05	7.05e-03	0.06	1.20e-03	0.0	0.0
13	21	3.66e-05	0.01	0.09	1.91e-03	0.0	0.0
13	22	4.50e-05	0.01	0.11	2.32e-03	0.0	0.0
13	23	2.92e-05	9.16e-03	0.08	1.55e-03	0.0	0.0
13	24	3.77e-05	0.01	0.10	1.96e-03	0.0	0.0
13	25	3.97e-05	0.01	0.11	2.15e-03	0.0	0.0
13	26	4.39e-05	0.01	0.12	2.35e-03	0.0	0.0
13	27	3.24e-05	0.01	0.09	1.79e-03	0.0	0.0
13	28	3.66e-05	0.01	0.10	1.99e-03	0.0	0.0
13	29	3.66e-05	0.01	0.09	1.91e-03	0.0	0.0
13	30	4.08e-05	0.01	0.10	2.12e-03	0.0	0.0
13	31	2.92e-05	9.16e-03	0.08	1.55e-03	0.0	0.0
13	32	3.35e-05	0.01	0.09	1.76e-03	0.0	0.0
13	33	3.66e-05	0.01	0.09	1.91e-03	0.0	0.0
13	34	4.08e-05	0.01	0.10	2.12e-03	0.0	0.0
13	35	2.92e-05	9.16e-03	0.08	1.55e-03	0.0	0.0
13	36	3.35e-05	0.01	0.09	1.76e-03	0.0	0.0
13	37	3.66e-05	0.01	0.09	1.91e-03	0.0	0.0
13	38	4.08e-05	0.01	0.10	2.12e-03	0.0	0.0
13	39	2.92e-05	9.16e-03	0.08	1.55e-03	0.0	0.0
13	40	3.35e-05	0.01	0.09	1.76e-03	0.0	0.0
13	41	3.66e-05	0.01	0.09	1.91e-03	0.0	0.0
13	42	4.08e-05	0.01	0.10	2.12e-03	0.0	0.0
13	43	2.92e-05	9.16e-03	0.08	1.55e-03	0.0	0.0
13	44	3.35e-05	0.01	0.09	1.76e-03	0.0	0.0
13	45	2.46e-05	7.05e-03	0.06	1.20e-03	0.0	0.0
14	1	0.0	0.0	0.0	1.48e-03	0.0	0.0
14	2	0.0	0.0	0.0	1.76e-03	0.0	0.0
14	3	0.0	0.0	0.0	1.63e-03	0.0	0.0
14	4	0.0	0.0	0.0	1.78e-03	0.0	0.0
14	5	0.0	0.0	0.0	1.48e-03	0.0	0.0
14	6	0.0	0.0	0.0	1.62e-03	0.0	0.0
14	7	0.0	0.0	0.0	1.48e-03	0.0	0.0
14	8	0.0	0.0	0.0	1.62e-03	0.0	0.0
14	9	0.0	0.0	0.0	1.48e-03	0.0	0.0
14	10	0.0	0.0	0.0	1.62e-03	0.0	0.0



14	11	0.0	0.0	0.0	1.48e-03	0.0	0.0
14	12	0.0	0.0	0.0	1.62e-03	0.0	0.0
14	13	0.0	0.0	0.0	1.24e-03	0.0	0.0
14	14	0.0	0.0	0.0	1.30e-03	0.0	0.0
14	15	0.0	0.0	0.0	1.32e-03	0.0	0.0
14	16	0.0	0.0	0.0	1.24e-03	0.0	0.0
14	17	0.0	0.0	0.0	1.24e-03	0.0	0.0
14	18	0.0	0.0	0.0	1.24e-03	0.0	0.0
14	19	0.0	0.0	0.0	1.24e-03	0.0	0.0
14	20	0.0	0.0	0.0	1.24e-03	0.0	0.0
14	21	0.0	0.0	0.0	1.97e-03	0.0	0.0
14	22	0.0	0.0	0.0	2.39e-03	0.0	0.0
14	23	0.0	0.0	0.0	1.59e-03	0.0	0.0
14	24	0.0	0.0	0.0	2.02e-03	0.0	0.0
14	25	0.0	0.0	0.0	2.20e-03	0.0	0.0
14	26	0.0	0.0	0.0	2.41e-03	0.0	0.0
14	27	0.0	0.0	0.0	1.83e-03	0.0	0.0
14	28	0.0	0.0	0.0	2.04e-03	0.0	0.0
14	29	0.0	0.0	0.0	1.97e-03	0.0	0.0
14	30	0.0	0.0	0.0	2.18e-03	0.0	0.0
14	31	0.0	0.0	0.0	1.59e-03	0.0	0.0
14	32	0.0	0.0	0.0	1.81e-03	0.0	0.0
14	33	0.0	0.0	0.0	1.97e-03	0.0	0.0
14	34	0.0	0.0	0.0	2.18e-03	0.0	0.0
14	35	0.0	0.0	0.0	1.59e-03	0.0	0.0
14	36	0.0	0.0	0.0	1.81e-03	0.0	0.0
14	37	0.0	0.0	0.0	1.97e-03	0.0	0.0
14	38	0.0	0.0	0.0	2.18e-03	0.0	0.0
14	39	0.0	0.0	0.0	1.59e-03	0.0	0.0
14	40	0.0	0.0	0.0	1.81e-03	0.0	0.0
14	41	0.0	0.0	0.0	1.97e-03	0.0	0.0
14	42	0.0	0.0	0.0	2.18e-03	0.0	0.0
14	43	0.0	0.0	0.0	1.59e-03	0.0	0.0
14	44	0.0	0.0	0.0	1.81e-03	0.0	0.0
14	45	0.0	0.0	0.0	1.24e-03	0.0	0.0
15	1	2.77e-05	-7.16e-03	0.06	-1.22e-03	0.0	0.0
15	2	3.33e-05	-8.46e-03	0.07	-1.44e-03	0.0	0.0
15	3	2.98e-05	-8.10e-03	0.07	-1.38e-03	0.0	0.0
15	4	3.26e-05	-8.75e-03	0.07	-1.49e-03	0.0	0.0
15	5	2.77e-05	-7.16e-03	0.06	-1.22e-03	0.0	0.0
15	6	3.05e-05	-7.81e-03	0.06	-1.33e-03	0.0	0.0
15	7	2.77e-05	-7.16e-03	0.06	-1.22e-03	0.0	0.0
15	8	3.05e-05	-7.81e-03	0.06	-1.33e-03	0.0	0.0
15	9	2.77e-05	-7.16e-03	0.06	-1.22e-03	0.0	0.0
15	10	3.05e-05	-7.81e-03	0.06	-1.33e-03	0.0	0.0
15	11	2.77e-05	-7.16e-03	0.06	-1.22e-03	0.0	0.0
15	12	3.05e-05	-7.81e-03	0.06	-1.33e-03	0.0	0.0
15	13	2.46e-05	-5.76e-03	0.05	-9.86e-04	0.0	0.0
15	14	2.57e-05	-6.02e-03	0.05	-1.03e-03	0.0	0.0
15	15	2.56e-05	-6.23e-03	0.05	-1.06e-03	0.0	0.0
15	16	2.46e-05	-5.76e-03	0.05	-9.86e-04	0.0	0.0
15	17	2.46e-05	-5.76e-03	0.05	-9.86e-04	0.0	0.0
15	18	2.46e-05	-5.76e-03	0.05	-9.86e-04	0.0	0.0
15	19	2.46e-05	-5.76e-03	0.05	-9.86e-04	0.0	0.0
15	20	2.46e-05	-5.76e-03	0.05	-9.86e-04	0.0	0.0
15	21	3.67e-05	-9.59e-03	0.08	-1.63e-03	0.0	0.0
15	22	4.51e-05	-0.01	0.10	-1.97e-03	0.0	0.0
15	23	2.93e-05	-7.87e-03	0.07	-1.34e-03	0.0	0.0
15	24	3.77e-05	-9.81e-03	0.08	-1.67e-03	0.0	0.0
15	25	3.98e-05	-0.01	0.09	-1.87e-03	0.0	0.0
15	26	4.40e-05	-0.01	0.10	-2.03e-03	0.0	0.0
15	27	3.24e-05	-9.27e-03	0.08	-1.57e-03	0.0	0.0
15	28	3.66e-05	-0.01	0.09	-1.74e-03	0.0	0.0
15	29	3.67e-05	-9.59e-03	0.08	-1.63e-03	0.0	0.0
15	30	4.09e-05	-0.01	0.09	-1.80e-03	0.0	0.0
15	31	2.93e-05	-7.87e-03	0.07	-1.34e-03	0.0	0.0
15	32	3.35e-05	-8.84e-03	0.07	-1.50e-03	0.0	0.0
15	33	3.67e-05	-9.59e-03	0.08	-1.63e-03	0.0	0.0
15	34	4.09e-05	-0.01	0.09	-1.80e-03	0.0	0.0
15	35	2.93e-05	-7.87e-03	0.07	-1.34e-03	0.0	0.0
15	36	3.35e-05	-8.84e-03	0.07	-1.50e-03	0.0	0.0
15	37	3.67e-05	-9.59e-03	0.08	-1.63e-03	0.0	0.0
15	38	4.09e-05	-0.01	0.09	-1.80e-03	0.0	0.0
15	39	2.93e-05	-7.87e-03	0.07	-1.34e-03	0.0	0.0
15	40	3.35e-05	-8.84e-03	0.07	-1.50e-03	0.0	0.0
15	41	3.67e-05	-9.59e-03	0.08	-1.63e-03	0.0	0.0
15	42	4.09e-05	-0.01	0.09	-1.80e-03	0.0	0.0



15	43	2.93e-05	-7.87e-03	0.07	-1.34e-03	0.0	0.0
15	44	3.35e-05	-8.84e-03	0.07	-1.50e-03	0.0	0.0
15	45	2.46e-05	-5.76e-03	0.05	-9.86e-04	0.0	0.0
16	1	0.0	0.0	0.0	-1.41e-03	0.0	0.0
16	2	0.0	0.0	0.0	-1.68e-03	0.0	0.0
16	3	0.0	0.0	0.0	-1.57e-03	0.0	0.0
16	4	0.0	0.0	0.0	-1.71e-03	0.0	0.0
16	5	0.0	0.0	0.0	-1.41e-03	0.0	0.0
16	6	0.0	0.0	0.0	-1.55e-03	0.0	0.0
16	7	0.0	0.0	0.0	-1.41e-03	0.0	0.0
16	8	0.0	0.0	0.0	-1.55e-03	0.0	0.0
16	9	0.0	0.0	0.0	-1.41e-03	0.0	0.0
16	10	0.0	0.0	0.0	-1.55e-03	0.0	0.0
16	11	0.0	0.0	0.0	-1.41e-03	0.0	0.0
16	12	0.0	0.0	0.0	-1.55e-03	0.0	0.0
16	13	0.0	0.0	0.0	-1.18e-03	0.0	0.0
16	14	0.0	0.0	0.0	-1.23e-03	0.0	0.0
16	15	0.0	0.0	0.0	-1.25e-03	0.0	0.0
16	16	0.0	0.0	0.0	-1.18e-03	0.0	0.0
16	17	0.0	0.0	0.0	-1.18e-03	0.0	0.0
16	18	0.0	0.0	0.0	-1.18e-03	0.0	0.0
16	19	0.0	0.0	0.0	-1.18e-03	0.0	0.0
16	20	0.0	0.0	0.0	-1.18e-03	0.0	0.0
16	21	0.0	0.0	0.0	-1.89e-03	0.0	0.0
16	22	0.0	0.0	0.0	-2.29e-03	0.0	0.0
16	23	0.0	0.0	0.0	-1.53e-03	0.0	0.0
16	24	0.0	0.0	0.0	-1.93e-03	0.0	0.0
16	25	0.0	0.0	0.0	-2.12e-03	0.0	0.0
16	26	0.0	0.0	0.0	-2.32e-03	0.0	0.0
16	27	0.0	0.0	0.0	-1.77e-03	0.0	0.0
16	28	0.0	0.0	0.0	-1.97e-03	0.0	0.0
16	29	0.0	0.0	0.0	-1.89e-03	0.0	0.0
16	30	0.0	0.0	0.0	-2.09e-03	0.0	0.0
16	31	0.0	0.0	0.0	-1.53e-03	0.0	0.0
16	32	0.0	0.0	0.0	-1.73e-03	0.0	0.0
16	33	0.0	0.0	0.0	-1.89e-03	0.0	0.0
16	34	0.0	0.0	0.0	-2.09e-03	0.0	0.0
16	35	0.0	0.0	0.0	-1.53e-03	0.0	0.0
16	36	0.0	0.0	0.0	-1.73e-03	0.0	0.0
16	37	0.0	0.0	0.0	-1.89e-03	0.0	0.0
16	38	0.0	0.0	0.0	-2.09e-03	0.0	0.0
16	39	0.0	0.0	0.0	-1.53e-03	0.0	0.0
16	40	0.0	0.0	0.0	-1.73e-03	0.0	0.0
16	41	0.0	0.0	0.0	-1.89e-03	0.0	0.0
16	42	0.0	0.0	0.0	-2.09e-03	0.0	0.0
16	43	0.0	0.0	0.0	-1.53e-03	0.0	0.0
16	44	0.0	0.0	0.0	-1.73e-03	0.0	0.0
16	45	0.0	0.0	0.0	-1.18e-03	0.0	0.0
17	1	5.25e-06	-1.66e-06	-0.07	-2.13e-05	2.82e-05	0.0
17	2	6.30e-06	-2.06e-06	-0.09	-2.64e-05	3.45e-05	0.0
17	3	5.69e-06	-1.66e-06	-0.08	-2.13e-05	2.92e-05	0.0
17	4	6.21e-06	-1.86e-06	-0.09	-2.38e-05	3.23e-05	0.0
17	5	5.25e-06	-1.66e-06	-0.07	-2.13e-05	2.82e-05	0.0
17	6	5.77e-06	-1.86e-06	-0.08	-2.38e-05	3.13e-05	0.0
17	7	5.25e-06	-1.66e-06	-0.07	-2.13e-05	2.82e-05	0.0
17	8	5.77e-06	-1.86e-06	-0.08	-2.38e-05	3.13e-05	0.0
17	9	5.25e-06	-1.66e-06	-0.07	-2.13e-05	2.82e-05	0.0
17	10	5.77e-06	-1.86e-06	-0.08	-2.38e-05	3.13e-05	0.0
17	11	5.25e-06	-1.66e-06	-0.07	-2.13e-05	2.82e-05	0.0
17	12	5.77e-06	-1.86e-06	-0.08	-2.38e-05	3.13e-05	0.0
17	13	4.60e-06	-1.66e-06	-0.06	-2.13e-05	2.67e-05	0.0
17	14	4.81e-06	-1.74e-06	-0.06	-2.23e-05	2.80e-05	0.0
17	15	4.82e-06	-1.66e-06	-0.07	-2.13e-05	2.72e-05	0.0
17	16	4.60e-06	-1.66e-06	-0.06	-2.13e-05	2.67e-05	0.0
17	17	4.60e-06	-1.66e-06	-0.06	-2.13e-05	2.67e-05	0.0
17	18	4.60e-06	-1.66e-06	-0.06	-2.13e-05	2.67e-05	0.0
17	19	4.60e-06	-1.66e-06	-0.06	-2.13e-05	2.67e-05	0.0
17	20	4.60e-06	-1.66e-06	-0.06	-2.13e-05	2.67e-05	0.0
17	21	6.96e-06	-2.16e-06	-0.10	-2.76e-05	3.69e-05	0.0
17	22	8.52e-06	-2.76e-06	-0.12	-3.53e-05	4.64e-05	0.0
17	23	5.58e-06	-1.66e-06	-0.08	-2.13e-05	2.89e-05	0.0
17	24	7.14e-06	-2.26e-06	-0.10	-2.89e-05	3.84e-05	0.0
17	25	7.62e-06	-2.16e-06	-0.11	-2.76e-05	3.84e-05	0.0
17	26	8.40e-06	-2.46e-06	-0.12	-3.15e-05	4.31e-05	0.0
17	27	6.24e-06	-1.66e-06	-0.09	-2.13e-05	3.04e-05	0.0
17	28	7.02e-06	-1.96e-06	-0.10	-2.51e-05	3.51e-05	0.0
17	29	6.96e-06	-2.16e-06	-0.10	-2.76e-05	3.69e-05	0.0



17	30	7.74e-06	-2.46e-06	-0.11	-3.15e-05	4.17e-05	0.0
17	31	5.58e-06	-1.66e-06	-0.08	-2.13e-05	2.89e-05	0.0
17	32	6.36e-06	-1.96e-06	-0.09	-2.51e-05	3.37e-05	0.0
17	33	6.96e-06	-2.16e-06	-0.10	-2.76e-05	3.69e-05	0.0
17	34	7.74e-06	-2.46e-06	-0.11	-3.15e-05	4.17e-05	0.0
17	35	5.58e-06	-1.66e-06	-0.08	-2.13e-05	2.89e-05	0.0
17	36	6.36e-06	-1.96e-06	-0.09	-2.51e-05	3.37e-05	0.0
17	37	6.96e-06	-2.16e-06	-0.10	-2.76e-05	3.69e-05	0.0
17	38	7.74e-06	-2.46e-06	-0.11	-3.15e-05	4.17e-05	0.0
17	39	5.58e-06	-1.66e-06	-0.08	-2.13e-05	2.89e-05	0.0
17	40	6.36e-06	-1.96e-06	-0.09	-2.51e-05	3.37e-05	0.0
17	41	6.96e-06	-2.16e-06	-0.10	-2.76e-05	3.69e-05	0.0
17	42	7.74e-06	-2.46e-06	-0.11	-3.15e-05	4.17e-05	0.0
17	43	5.58e-06	-1.66e-06	-0.08	-2.13e-05	2.89e-05	0.0
17	44	6.36e-06	-1.96e-06	-0.09	-2.51e-05	3.37e-05	0.0
17	45	4.60e-06	-1.66e-06	-0.06	-2.13e-05	2.67e-05	0.0
18	1	4.37e-06	8.41e-03	0.07	1.43e-03	0.0	0.0
18	2	5.39e-06	9.99e-03	0.08	1.70e-03	0.0	0.0
18	3	4.43e-06	9.36e-03	0.08	1.59e-03	0.0	0.0
18	4	4.94e-06	0.01	0.08	1.72e-03	0.0	0.0
18	5	4.37e-06	8.41e-03	0.07	1.43e-03	0.0	0.0
18	6	4.88e-06	9.20e-03	0.08	1.56e-03	0.0	0.0
18	7	4.37e-06	8.41e-03	0.07	1.43e-03	0.0	0.0
18	8	4.88e-06	9.20e-03	0.08	1.56e-03	0.0	0.0
18	9	4.37e-06	8.41e-03	0.07	1.43e-03	0.0	0.0
18	10	4.88e-06	9.20e-03	0.08	1.56e-03	0.0	0.0
18	11	4.37e-06	8.41e-03	0.07	1.43e-03	0.0	0.0
18	12	4.88e-06	9.20e-03	0.08	1.56e-03	0.0	0.0
18	13	4.27e-06	6.98e-03	0.06	1.19e-03	0.0	0.0
18	14	4.48e-06	7.29e-03	0.06	1.24e-03	0.0	0.0
18	15	4.30e-06	7.45e-03	0.06	1.27e-03	0.0	0.0
18	16	4.27e-06	6.98e-03	0.06	1.19e-03	0.0	0.0
18	17	4.27e-06	6.98e-03	0.06	1.19e-03	0.0	0.0
18	18	4.27e-06	6.98e-03	0.06	1.19e-03	0.0	0.0
18	19	4.27e-06	6.98e-03	0.06	1.19e-03	0.0	0.0
18	20	4.27e-06	6.98e-03	0.06	1.19e-03	0.0	0.0
18	21	5.69e-06	0.01	0.09	1.90e-03	0.0	0.0
18	22	7.24e-06	0.01	0.11	2.31e-03	0.0	0.0
18	23	4.41e-06	9.12e-03	0.08	1.55e-03	0.0	0.0
18	24	5.95e-06	0.01	0.10	1.95e-03	0.0	0.0
18	25	5.79e-06	0.01	0.11	2.14e-03	0.0	0.0
18	26	6.56e-06	0.01	0.12	2.34e-03	0.0	0.0
18	27	4.50e-06	0.01	0.09	1.78e-03	0.0	0.0
18	28	5.28e-06	0.01	0.10	1.99e-03	0.0	0.0
18	29	5.69e-06	0.01	0.09	1.90e-03	0.0	0.0
18	30	6.46e-06	0.01	0.10	2.11e-03	0.0	0.0
18	31	4.41e-06	9.12e-03	0.08	1.55e-03	0.0	0.0
18	32	5.18e-06	0.01	0.09	1.75e-03	0.0	0.0
18	33	5.69e-06	0.01	0.09	1.90e-03	0.0	0.0
18	34	6.46e-06	0.01	0.10	2.11e-03	0.0	0.0
18	35	4.41e-06	9.12e-03	0.08	1.55e-03	0.0	0.0
18	36	5.18e-06	0.01	0.09	1.75e-03	0.0	0.0
18	37	5.69e-06	0.01	0.09	1.90e-03	0.0	0.0
18	38	6.46e-06	0.01	0.10	2.11e-03	0.0	0.0
18	39	4.41e-06	9.12e-03	0.08	1.55e-03	0.0	0.0
18	40	5.18e-06	0.01	0.09	1.75e-03	0.0	0.0
18	41	5.69e-06	0.01	0.09	1.90e-03	0.0	0.0
18	42	6.46e-06	0.01	0.10	2.11e-03	0.0	0.0
18	43	4.41e-06	9.12e-03	0.08	1.55e-03	0.0	0.0
18	44	5.18e-06	0.01	0.09	1.75e-03	0.0	0.0
18	45	4.27e-06	6.98e-03	0.06	1.19e-03	0.0	0.0
19	1	0.0	0.0	0.0	1.47e-03	0.0	0.0
19	2	0.0	0.0	0.0	1.75e-03	0.0	0.0
19	3	0.0	0.0	0.0	1.63e-03	0.0	0.0
19	4	0.0	0.0	0.0	1.77e-03	0.0	0.0
19	5	0.0	0.0	0.0	1.47e-03	0.0	0.0
19	6	0.0	0.0	0.0	1.61e-03	0.0	0.0
19	7	0.0	0.0	0.0	1.47e-03	0.0	0.0
19	8	0.0	0.0	0.0	1.61e-03	0.0	0.0
19	9	0.0	0.0	0.0	1.47e-03	0.0	0.0
19	10	0.0	0.0	0.0	1.61e-03	0.0	0.0
19	11	0.0	0.0	0.0	1.47e-03	0.0	0.0
19	12	0.0	0.0	0.0	1.61e-03	0.0	0.0
19	13	0.0	0.0	0.0	1.23e-03	0.0	0.0
19	14	0.0	0.0	0.0	1.29e-03	0.0	0.0
19	15	0.0	0.0	0.0	1.31e-03	0.0	0.0
19	16	0.0	0.0	0.0	1.23e-03	0.0	0.0



19	17	0.0	0.0	0.0	1.23e-03	0.0	0.0
19	18	0.0	0.0	0.0	1.23e-03	0.0	0.0
19	19	0.0	0.0	0.0	1.23e-03	0.0	0.0
19	20	0.0	0.0	0.0	1.23e-03	0.0	0.0
19	21	0.0	0.0	0.0	1.96e-03	0.0	0.0
19	22	0.0	0.0	0.0	2.38e-03	0.0	0.0
19	23	0.0	0.0	0.0	1.59e-03	0.0	0.0
19	24	0.0	0.0	0.0	2.01e-03	0.0	0.0
19	25	0.0	0.0	0.0	2.20e-03	0.0	0.0
19	26	0.0	0.0	0.0	2.41e-03	0.0	0.0
19	27	0.0	0.0	0.0	1.83e-03	0.0	0.0
19	28	0.0	0.0	0.0	2.04e-03	0.0	0.0
19	29	0.0	0.0	0.0	1.96e-03	0.0	0.0
19	30	0.0	0.0	0.0	2.17e-03	0.0	0.0
19	31	0.0	0.0	0.0	1.59e-03	0.0	0.0
19	32	0.0	0.0	0.0	1.80e-03	0.0	0.0
19	33	0.0	0.0	0.0	1.96e-03	0.0	0.0
19	34	0.0	0.0	0.0	2.17e-03	0.0	0.0
19	35	0.0	0.0	0.0	1.59e-03	0.0	0.0
19	36	0.0	0.0	0.0	1.80e-03	0.0	0.0
19	37	0.0	0.0	0.0	1.96e-03	0.0	0.0
19	38	0.0	0.0	0.0	2.17e-03	0.0	0.0
19	39	0.0	0.0	0.0	1.59e-03	0.0	0.0
19	40	0.0	0.0	0.0	1.80e-03	0.0	0.0
19	41	0.0	0.0	0.0	1.96e-03	0.0	0.0
19	42	0.0	0.0	0.0	2.17e-03	0.0	0.0
19	43	0.0	0.0	0.0	1.59e-03	0.0	0.0
19	44	0.0	0.0	0.0	1.80e-03	0.0	0.0
19	45	0.0	0.0	0.0	1.23e-03	0.0	0.0
20	1	4.34e-06	-8.07e-03	0.07	-1.37e-03	0.0	0.0
20	2	5.36e-06	-9.57e-03	0.08	-1.63e-03	0.0	0.0
20	3	4.40e-06	-9.02e-03	0.08	-1.53e-03	0.0	0.0
20	4	4.91e-06	-9.77e-03	0.08	-1.66e-03	0.0	0.0
20	5	4.34e-06	-8.07e-03	0.07	-1.37e-03	0.0	0.0
20	6	4.85e-06	-8.82e-03	0.07	-1.50e-03	0.0	0.0
20	7	4.34e-06	-8.07e-03	0.07	-1.37e-03	0.0	0.0
20	8	4.85e-06	-8.82e-03	0.07	-1.50e-03	0.0	0.0
20	9	4.34e-06	-8.07e-03	0.07	-1.37e-03	0.0	0.0
20	10	4.85e-06	-8.82e-03	0.07	-1.50e-03	0.0	0.0
20	11	4.34e-06	-8.07e-03	0.07	-1.37e-03	0.0	0.0
20	12	4.85e-06	-8.82e-03	0.07	-1.50e-03	0.0	0.0
20	13	4.24e-06	-6.64e-03	0.06	-1.13e-03	0.0	0.0
20	14	4.45e-06	-6.94e-03	0.06	-1.18e-03	0.0	0.0
20	15	4.27e-06	-7.12e-03	0.06	-1.21e-03	0.0	0.0
20	16	4.24e-06	-6.64e-03	0.06	-1.13e-03	0.0	0.0
20	17	4.24e-06	-6.64e-03	0.06	-1.13e-03	0.0	0.0
20	18	4.24e-06	-6.64e-03	0.06	-1.13e-03	0.0	0.0
20	19	4.24e-06	-6.64e-03	0.06	-1.13e-03	0.0	0.0
20	20	4.24e-06	-6.64e-03	0.06	-1.13e-03	0.0	0.0
20	21	5.65e-06	-0.01	0.09	-1.83e-03	0.0	0.0
20	22	7.19e-06	-0.01	0.11	-2.22e-03	0.0	0.0
20	23	4.38e-06	-8.78e-03	0.07	-1.49e-03	0.0	0.0
20	24	5.91e-06	-0.01	0.09	-1.88e-03	0.0	0.0
20	25	5.75e-06	-0.01	0.10	-2.07e-03	0.0	0.0
20	26	6.51e-06	-0.01	0.11	-2.26e-03	0.0	0.0
20	27	4.47e-06	-0.01	0.08	-1.73e-03	0.0	0.0
20	28	5.24e-06	-0.01	0.09	-1.92e-03	0.0	0.0
20	29	5.65e-06	-0.01	0.09	-1.83e-03	0.0	0.0
20	30	6.42e-06	-0.01	0.10	-2.02e-03	0.0	0.0
20	31	4.38e-06	-8.78e-03	0.07	-1.49e-03	0.0	0.0
20	32	5.15e-06	-9.91e-03	0.08	-1.68e-03	0.0	0.0
20	33	5.65e-06	-0.01	0.09	-1.83e-03	0.0	0.0
20	34	6.42e-06	-0.01	0.10	-2.02e-03	0.0	0.0
20	35	4.38e-06	-8.78e-03	0.07	-1.49e-03	0.0	0.0
20	36	5.15e-06	-9.91e-03	0.08	-1.68e-03	0.0	0.0
20	37	5.65e-06	-0.01	0.09	-1.83e-03	0.0	0.0
20	38	6.42e-06	-0.01	0.10	-2.02e-03	0.0	0.0
20	39	4.38e-06	-8.78e-03	0.07	-1.49e-03	0.0	0.0
20	40	5.15e-06	-9.91e-03	0.08	-1.68e-03	0.0	0.0
20	41	5.65e-06	-0.01	0.09	-1.83e-03	0.0	0.0
20	42	6.42e-06	-0.01	0.10	-2.02e-03	0.0	0.0
20	43	4.38e-06	-8.78e-03	0.07	-1.49e-03	0.0	0.0
20	44	5.15e-06	-9.91e-03	0.08	-1.68e-03	0.0	0.0
20	45	4.24e-06	-6.64e-03	0.06	-1.13e-03	0.0	0.0
21	1	0.0	0.0	0.0	-1.45e-03	0.0	0.0
21	2	0.0	0.0	0.0	-1.73e-03	0.0	0.0
21	3	0.0	0.0	0.0	-1.61e-03	0.0	0.0



21	4	0.0	0.0	0.0	-1.75e-03	0.0	0.0
21	5	0.0	0.0	0.0	-1.45e-03	0.0	0.0
21	6	0.0	0.0	0.0	-1.59e-03	0.0	0.0
21	7	0.0	0.0	0.0	-1.45e-03	0.0	0.0
21	8	0.0	0.0	0.0	-1.59e-03	0.0	0.0
21	9	0.0	0.0	0.0	-1.45e-03	0.0	0.0
21	10	0.0	0.0	0.0	-1.59e-03	0.0	0.0
21	11	0.0	0.0	0.0	-1.45e-03	0.0	0.0
21	12	0.0	0.0	0.0	-1.59e-03	0.0	0.0
21	13	0.0	0.0	0.0	-1.21e-03	0.0	0.0
21	14	0.0	0.0	0.0	-1.27e-03	0.0	0.0
21	15	0.0	0.0	0.0	-1.29e-03	0.0	0.0
21	16	0.0	0.0	0.0	-1.21e-03	0.0	0.0
21	17	0.0	0.0	0.0	-1.21e-03	0.0	0.0
21	18	0.0	0.0	0.0	-1.21e-03	0.0	0.0
21	19	0.0	0.0	0.0	-1.21e-03	0.0	0.0
21	20	0.0	0.0	0.0	-1.21e-03	0.0	0.0
21	21	0.0	0.0	0.0	-1.93e-03	0.0	0.0
21	22	0.0	0.0	0.0	-2.35e-03	0.0	0.0
21	23	0.0	0.0	0.0	-1.57e-03	0.0	0.0
21	24	0.0	0.0	0.0	-1.98e-03	0.0	0.0
21	25	0.0	0.0	0.0	-2.17e-03	0.0	0.0
21	26	0.0	0.0	0.0	-2.38e-03	0.0	0.0
21	27	0.0	0.0	0.0	-1.81e-03	0.0	0.0
21	28	0.0	0.0	0.0	-2.01e-03	0.0	0.0
21	29	0.0	0.0	0.0	-1.93e-03	0.0	0.0
21	30	0.0	0.0	0.0	-2.14e-03	0.0	0.0
21	31	0.0	0.0	0.0	-1.57e-03	0.0	0.0
21	32	0.0	0.0	0.0	-1.78e-03	0.0	0.0
21	33	0.0	0.0	0.0	-1.93e-03	0.0	0.0
21	34	0.0	0.0	0.0	-2.14e-03	0.0	0.0
21	35	0.0	0.0	0.0	-1.57e-03	0.0	0.0
21	36	0.0	0.0	0.0	-1.78e-03	0.0	0.0
21	37	0.0	0.0	0.0	-1.93e-03	0.0	0.0
21	38	0.0	0.0	0.0	-2.14e-03	0.0	0.0
21	39	0.0	0.0	0.0	-1.57e-03	0.0	0.0
21	40	0.0	0.0	0.0	-1.78e-03	0.0	0.0
21	41	0.0	0.0	0.0	-1.93e-03	0.0	0.0
21	42	0.0	0.0	0.0	-2.14e-03	0.0	0.0
21	43	0.0	0.0	0.0	-1.57e-03	0.0	0.0
21	44	0.0	0.0	0.0	-1.78e-03	0.0	0.0
21	45	0.0	0.0	0.0	-1.21e-03	0.0	0.0
22	1	1.75e-06	0.0	-0.07	-4.04e-06	0.0	0.0
22	2	2.10e-06	0.0	-0.09	-5.01e-06	0.0	0.0
22	3	1.90e-06	0.0	-0.08	-4.04e-06	0.0	0.0
22	4	2.07e-06	0.0	-0.09	-4.52e-06	0.0	0.0
22	5	1.75e-06	0.0	-0.07	-4.04e-06	0.0	0.0
22	6	1.93e-06	0.0	-0.08	-4.52e-06	0.0	0.0
22	7	1.75e-06	0.0	-0.07	-4.04e-06	0.0	0.0
22	8	1.93e-06	0.0	-0.08	-4.52e-06	0.0	0.0
22	9	1.75e-06	0.0	-0.07	-4.04e-06	0.0	0.0
22	10	1.93e-06	0.0	-0.08	-4.52e-06	0.0	0.0
22	11	1.75e-06	0.0	-0.07	-4.04e-06	0.0	0.0
22	12	1.93e-06	0.0	-0.08	-4.52e-06	0.0	0.0
22	13	1.54e-06	0.0	-0.06	-4.04e-06	1.01e-06	0.0
22	14	1.61e-06	0.0	-0.06	-4.23e-06	1.08e-06	0.0
22	15	1.61e-06	0.0	-0.07	-4.04e-06	0.0	0.0
22	16	1.54e-06	0.0	-0.06	-4.04e-06	1.01e-06	0.0
22	17	1.54e-06	0.0	-0.06	-4.04e-06	1.01e-06	0.0
22	18	1.54e-06	0.0	-0.06	-4.04e-06	1.01e-06	0.0
22	19	1.54e-06	0.0	-0.06	-4.04e-06	1.01e-06	0.0
22	20	1.54e-06	0.0	-0.06	-4.04e-06	1.01e-06	0.0
22	21	2.32e-06	0.0	-0.10	-5.25e-06	0.0	0.0
22	22	2.85e-06	0.0	-0.12	-6.70e-06	0.0	0.0
22	23	1.86e-06	0.0	-0.08	-4.04e-06	0.0	0.0
22	24	2.38e-06	0.0	-0.10	-5.49e-06	0.0	0.0
22	25	2.53e-06	0.0	-0.11	-5.25e-06	0.0	0.0
22	26	2.80e-06	0.0	-0.12	-5.98e-06	0.0	0.0
22	27	2.07e-06	0.0	-0.09	-4.04e-06	0.0	0.0
22	28	2.33e-06	0.0	-0.10	-4.76e-06	0.0	0.0
22	29	2.32e-06	0.0	-0.10	-5.25e-06	0.0	0.0
22	30	2.58e-06	0.0	-0.11	-5.98e-06	0.0	0.0
22	31	1.86e-06	0.0	-0.08	-4.04e-06	0.0	0.0
22	32	2.12e-06	0.0	-0.09	-4.76e-06	0.0	0.0
22	33	2.32e-06	0.0	-0.10	-5.25e-06	0.0	0.0
22	34	2.58e-06	0.0	-0.11	-5.98e-06	0.0	0.0
22	35	1.86e-06	0.0	-0.08	-4.04e-06	0.0	0.0



22	36	2.12e-06	0.0	-0.09	-4.76e-06	0.0	0.0
22	37	2.32e-06	0.0	-0.10	-5.25e-06	0.0	0.0
22	38	2.58e-06	0.0	-0.11	-5.98e-06	0.0	0.0
22	39	1.86e-06	0.0	-0.08	-4.04e-06	0.0	0.0
22	40	2.12e-06	0.0	-0.09	-4.76e-06	0.0	0.0
22	41	2.32e-06	0.0	-0.10	-5.25e-06	0.0	0.0
22	42	2.58e-06	0.0	-0.11	-5.98e-06	0.0	0.0
22	43	1.86e-06	0.0	-0.08	-4.04e-06	0.0	0.0
22	44	2.12e-06	0.0	-0.09	-4.76e-06	0.0	0.0
22	45	1.54e-06	0.0	-0.06	-4.04e-06	1.01e-06	0.0
23	1	0.0	8.36e-03	0.07	1.42e-03	0.0	0.0
23	2	0.0	9.93e-03	0.08	1.69e-03	0.0	0.0
23	3	0.0	9.31e-03	0.08	1.58e-03	0.0	0.0
23	4	0.0	0.01	0.08	1.71e-03	0.0	0.0
23	5	0.0	8.36e-03	0.07	1.42e-03	0.0	0.0
23	6	0.0	9.14e-03	0.08	1.55e-03	0.0	0.0
23	7	0.0	8.36e-03	0.07	1.42e-03	0.0	0.0
23	8	0.0	9.14e-03	0.08	1.55e-03	0.0	0.0
23	9	0.0	8.36e-03	0.07	1.42e-03	0.0	0.0
23	10	0.0	9.14e-03	0.08	1.55e-03	0.0	0.0
23	11	0.0	8.36e-03	0.07	1.42e-03	0.0	0.0
23	12	0.0	9.14e-03	0.08	1.55e-03	0.0	0.0
23	13	0.0	6.93e-03	0.06	1.18e-03	0.0	0.0
23	14	0.0	7.24e-03	0.06	1.23e-03	0.0	0.0
23	15	0.0	7.40e-03	0.06	1.26e-03	0.0	0.0
23	16	0.0	6.93e-03	0.06	1.18e-03	0.0	0.0
23	17	0.0	6.93e-03	0.06	1.18e-03	0.0	0.0
23	18	0.0	6.93e-03	0.06	1.18e-03	0.0	0.0
23	19	0.0	6.93e-03	0.06	1.18e-03	0.0	0.0
23	20	0.0	6.93e-03	0.06	1.18e-03	0.0	0.0
23	21	0.0	0.01	0.09	1.89e-03	0.0	0.0
23	22	0.0	0.01	0.11	2.29e-03	0.0	0.0
23	23	0.0	9.07e-03	0.08	1.54e-03	0.0	0.0
23	24	0.0	0.01	0.10	1.94e-03	0.0	0.0
23	25	0.0	0.01	0.10	2.13e-03	0.0	0.0
23	26	0.0	0.01	0.11	2.33e-03	0.0	0.0
23	27	0.0	0.01	0.09	1.78e-03	0.0	0.0
23	28	0.0	0.01	0.10	1.98e-03	0.0	0.0
23	29	0.0	0.01	0.09	1.89e-03	0.0	0.0
23	30	0.0	0.01	0.10	2.09e-03	0.0	0.0
23	31	0.0	9.07e-03	0.08	1.54e-03	0.0	0.0
23	32	0.0	0.01	0.09	1.74e-03	0.0	0.0
23	33	0.0	0.01	0.09	1.89e-03	0.0	0.0
23	34	0.0	0.01	0.10	2.09e-03	0.0	0.0
23	35	0.0	9.07e-03	0.08	1.54e-03	0.0	0.0
23	36	0.0	0.01	0.09	1.74e-03	0.0	0.0
23	37	0.0	0.01	0.09	1.89e-03	0.0	0.0
23	38	0.0	0.01	0.10	2.09e-03	0.0	0.0
23	39	0.0	9.07e-03	0.08	1.54e-03	0.0	0.0
23	40	0.0	0.01	0.09	1.74e-03	0.0	0.0
23	41	0.0	0.01	0.09	1.89e-03	0.0	0.0
23	42	0.0	0.01	0.10	2.09e-03	0.0	0.0
23	43	0.0	9.07e-03	0.08	1.54e-03	0.0	0.0
23	44	0.0	0.01	0.09	1.74e-03	0.0	0.0
23	45	0.0	6.93e-03	0.06	1.18e-03	0.0	0.0
24	1	0.0	0.0	0.0	1.46e-03	0.0	0.0
24	2	0.0	0.0	0.0	1.74e-03	0.0	0.0
24	3	0.0	0.0	0.0	1.62e-03	0.0	0.0
24	4	0.0	0.0	0.0	1.76e-03	0.0	0.0
24	5	0.0	0.0	0.0	1.46e-03	0.0	0.0
24	6	0.0	0.0	0.0	1.60e-03	0.0	0.0
24	7	0.0	0.0	0.0	1.46e-03	0.0	0.0
24	8	0.0	0.0	0.0	1.60e-03	0.0	0.0
24	9	0.0	0.0	0.0	1.46e-03	0.0	0.0
24	10	0.0	0.0	0.0	1.60e-03	0.0	0.0
24	11	0.0	0.0	0.0	1.46e-03	0.0	0.0
24	12	0.0	0.0	0.0	1.60e-03	0.0	0.0
24	13	0.0	0.0	0.0	1.22e-03	0.0	0.0
24	14	0.0	0.0	0.0	1.28e-03	0.0	0.0
24	15	0.0	0.0	0.0	1.30e-03	0.0	0.0
24	16	0.0	0.0	0.0	1.22e-03	0.0	0.0
24	17	0.0	0.0	0.0	1.22e-03	0.0	0.0
24	18	0.0	0.0	0.0	1.22e-03	0.0	0.0
24	19	0.0	0.0	0.0	1.22e-03	0.0	0.0
24	20	0.0	0.0	0.0	1.22e-03	0.0	0.0
24	21	0.0	0.0	0.0	1.95e-03	0.0	0.0
24	22	0.0	0.0	0.0	2.37e-03	0.0	0.0



24	23	0.0	0.0	0.0	1.58e-03	0.0	0.0
24	24	0.0	0.0	0.0	2.00e-03	0.0	0.0
24	25	0.0	0.0	0.0	2.19e-03	0.0	0.0
24	26	0.0	0.0	0.0	2.39e-03	0.0	0.0
24	27	0.0	0.0	0.0	1.82e-03	0.0	0.0
24	28	0.0	0.0	0.0	2.03e-03	0.0	0.0
24	29	0.0	0.0	0.0	1.95e-03	0.0	0.0
24	30	0.0	0.0	0.0	2.16e-03	0.0	0.0
24	31	0.0	0.0	0.0	1.58e-03	0.0	0.0
24	32	0.0	0.0	0.0	1.79e-03	0.0	0.0
24	33	0.0	0.0	0.0	1.95e-03	0.0	0.0
24	34	0.0	0.0	0.0	2.16e-03	0.0	0.0
24	35	0.0	0.0	0.0	1.58e-03	0.0	0.0
24	36	0.0	0.0	0.0	1.79e-03	0.0	0.0
24	37	0.0	0.0	0.0	1.95e-03	0.0	0.0
24	38	0.0	0.0	0.0	2.16e-03	0.0	0.0
24	39	0.0	0.0	0.0	1.58e-03	0.0	0.0
24	40	0.0	0.0	0.0	1.79e-03	0.0	0.0
24	41	0.0	0.0	0.0	1.95e-03	0.0	0.0
24	42	0.0	0.0	0.0	2.16e-03	0.0	0.0
24	43	0.0	0.0	0.0	1.58e-03	0.0	0.0
24	44	0.0	0.0	0.0	1.79e-03	0.0	0.0
24	45	0.0	0.0	0.0	1.22e-03	0.0	0.0
25	1	0.0	-8.29e-03	0.07	-1.41e-03	0.0	0.0
25	2	0.0	-9.85e-03	0.08	-1.67e-03	0.0	0.0
25	3	0.0	-9.24e-03	0.08	-1.57e-03	0.0	0.0
25	4	0.0	-0.01	0.08	-1.70e-03	0.0	0.0
25	5	0.0	-8.29e-03	0.07	-1.41e-03	0.0	0.0
25	6	0.0	-9.07e-03	0.08	-1.54e-03	0.0	0.0
25	7	0.0	-8.29e-03	0.07	-1.41e-03	0.0	0.0
25	8	0.0	-9.07e-03	0.08	-1.54e-03	0.0	0.0
25	9	0.0	-8.29e-03	0.07	-1.41e-03	0.0	0.0
25	10	0.0	-9.07e-03	0.08	-1.54e-03	0.0	0.0
25	11	0.0	-8.29e-03	0.07	-1.41e-03	0.0	0.0
25	12	0.0	-9.07e-03	0.08	-1.54e-03	0.0	0.0
25	13	0.0	-6.86e-03	0.06	-1.17e-03	0.0	0.0
25	14	0.0	-7.17e-03	0.06	-1.22e-03	0.0	0.0
25	15	0.0	-7.34e-03	0.06	-1.25e-03	0.0	0.0
25	16	0.0	-6.86e-03	0.06	-1.17e-03	0.0	0.0
25	17	0.0	-6.86e-03	0.06	-1.17e-03	0.0	0.0
25	18	0.0	-6.86e-03	0.06	-1.17e-03	0.0	0.0
25	19	0.0	-6.86e-03	0.06	-1.17e-03	0.0	0.0
25	20	0.0	-6.86e-03	0.06	-1.17e-03	0.0	0.0
25	21	0.0	-0.01	0.09	-1.88e-03	0.0	0.0
25	22	0.0	-0.01	0.11	-2.28e-03	0.0	0.0
25	23	0.0	-9.01e-03	0.07	-1.53e-03	0.0	0.0
25	24	0.0	-0.01	0.09	-1.93e-03	0.0	0.0
25	25	0.0	-0.01	0.10	-2.12e-03	0.0	0.0
25	26	0.0	-0.01	0.11	-2.32e-03	0.0	0.0
25	27	0.0	-0.01	0.09	-1.77e-03	0.0	0.0
25	28	0.0	-0.01	0.10	-1.96e-03	0.0	0.0
25	29	0.0	-0.01	0.09	-1.88e-03	0.0	0.0
25	30	0.0	-0.01	0.10	-2.08e-03	0.0	0.0
25	31	0.0	-9.01e-03	0.07	-1.53e-03	0.0	0.0
25	32	0.0	-0.01	0.08	-1.73e-03	0.0	0.0
25	33	0.0	-0.01	0.09	-1.88e-03	0.0	0.0
25	34	0.0	-0.01	0.10	-2.08e-03	0.0	0.0
25	35	0.0	-9.01e-03	0.07	-1.53e-03	0.0	0.0
25	36	0.0	-0.01	0.08	-1.73e-03	0.0	0.0
25	37	0.0	-0.01	0.09	-1.88e-03	0.0	0.0
25	38	0.0	-0.01	0.10	-2.08e-03	0.0	0.0
25	39	0.0	-9.01e-03	0.07	-1.53e-03	0.0	0.0
25	40	0.0	-0.01	0.08	-1.73e-03	0.0	0.0
25	41	0.0	-0.01	0.09	-1.88e-03	0.0	0.0
25	42	0.0	-0.01	0.10	-2.08e-03	0.0	0.0
25	43	0.0	-9.01e-03	0.07	-1.53e-03	0.0	0.0
25	44	0.0	-0.01	0.08	-1.73e-03	0.0	0.0
25	45	0.0	-6.86e-03	0.06	-1.17e-03	0.0	0.0
26	1	0.0	0.0	0.0	-1.46e-03	0.0	0.0
26	2	0.0	0.0	0.0	-1.74e-03	0.0	0.0
26	3	0.0	0.0	0.0	-1.62e-03	0.0	0.0
26	4	0.0	0.0	0.0	-1.76e-03	0.0	0.0
26	5	0.0	0.0	0.0	-1.46e-03	0.0	0.0
26	6	0.0	0.0	0.0	-1.60e-03	0.0	0.0
26	7	0.0	0.0	0.0	-1.46e-03	0.0	0.0
26	8	0.0	0.0	0.0	-1.60e-03	0.0	0.0
26	9	0.0	0.0	0.0	-1.46e-03	0.0	0.0



26	10	0.0	0.0	0.0	-1.60e-03	0.0	0.0
26	11	0.0	0.0	0.0	-1.46e-03	0.0	0.0
26	12	0.0	0.0	0.0	-1.60e-03	0.0	0.0
26	13	0.0	0.0	0.0	-1.22e-03	0.0	0.0
26	14	0.0	0.0	0.0	-1.28e-03	0.0	0.0
26	15	0.0	0.0	0.0	-1.30e-03	0.0	0.0
26	16	0.0	0.0	0.0	-1.22e-03	0.0	0.0
26	17	0.0	0.0	0.0	-1.22e-03	0.0	0.0
26	18	0.0	0.0	0.0	-1.22e-03	0.0	0.0
26	19	0.0	0.0	0.0	-1.22e-03	0.0	0.0
26	20	0.0	0.0	0.0	-1.22e-03	0.0	0.0
26	21	0.0	0.0	0.0	-1.95e-03	0.0	0.0
26	22	0.0	0.0	0.0	-2.37e-03	0.0	0.0
26	23	0.0	0.0	0.0	-1.58e-03	0.0	0.0
26	24	0.0	0.0	0.0	-2.00e-03	0.0	0.0
26	25	0.0	0.0	0.0	-2.19e-03	0.0	0.0
26	26	0.0	0.0	0.0	-2.39e-03	0.0	0.0
26	27	0.0	0.0	0.0	-1.82e-03	0.0	0.0
26	28	0.0	0.0	0.0	-2.03e-03	0.0	0.0
26	29	0.0	0.0	0.0	-1.95e-03	0.0	0.0
26	30	0.0	0.0	0.0	-2.16e-03	0.0	0.0
26	31	0.0	0.0	0.0	-1.58e-03	0.0	0.0
26	32	0.0	0.0	0.0	-1.79e-03	0.0	0.0
26	33	0.0	0.0	0.0	-1.95e-03	0.0	0.0
26	34	0.0	0.0	0.0	-2.16e-03	0.0	0.0
26	35	0.0	0.0	0.0	-1.58e-03	0.0	0.0
26	36	0.0	0.0	0.0	-1.79e-03	0.0	0.0
26	37	0.0	0.0	0.0	-1.95e-03	0.0	0.0
26	38	0.0	0.0	0.0	-2.16e-03	0.0	0.0
26	39	0.0	0.0	0.0	-1.58e-03	0.0	0.0
26	40	0.0	0.0	0.0	-1.79e-03	0.0	0.0
26	41	0.0	0.0	0.0	-1.95e-03	0.0	0.0
26	42	0.0	0.0	0.0	-2.16e-03	0.0	0.0
26	43	0.0	0.0	0.0	-1.58e-03	0.0	0.0
26	44	0.0	0.0	0.0	-1.79e-03	0.0	0.0
26	45	0.0	0.0	0.0	-1.22e-03	0.0	0.0
27	1	-1.75e-06	0.0	-0.07	4.04e-06	0.0	0.0
27	2	-2.10e-06	0.0	-0.09	5.01e-06	0.0	0.0
27	3	-1.90e-06	0.0	-0.08	4.04e-06	0.0	0.0
27	4	-2.07e-06	0.0	-0.09	4.52e-06	0.0	0.0
27	5	-1.75e-06	0.0	-0.07	4.04e-06	0.0	0.0
27	6	-1.93e-06	0.0	-0.08	4.52e-06	0.0	0.0
27	7	-1.75e-06	0.0	-0.07	4.04e-06	0.0	0.0
27	8	-1.93e-06	0.0	-0.08	4.52e-06	0.0	0.0
27	9	-1.75e-06	0.0	-0.07	4.04e-06	0.0	0.0
27	10	-1.93e-06	0.0	-0.08	4.52e-06	0.0	0.0
27	11	-1.75e-06	0.0	-0.07	4.04e-06	0.0	0.0
27	12	-1.93e-06	0.0	-0.08	4.52e-06	0.0	0.0
27	13	-1.54e-06	0.0	-0.06	4.04e-06	-1.01e-06	0.0
27	14	-1.61e-06	0.0	-0.06	4.23e-06	-1.08e-06	0.0
27	15	-1.61e-06	0.0	-0.07	4.04e-06	0.0	0.0
27	16	-1.54e-06	0.0	-0.06	4.04e-06	-1.01e-06	0.0
27	17	-1.54e-06	0.0	-0.06	4.04e-06	-1.01e-06	0.0
27	18	-1.54e-06	0.0	-0.06	4.04e-06	-1.01e-06	0.0
27	19	-1.54e-06	0.0	-0.06	4.04e-06	-1.01e-06	0.0
27	20	-1.54e-06	0.0	-0.06	4.04e-06	-1.01e-06	0.0
27	21	-2.32e-06	0.0	-0.10	5.25e-06	0.0	0.0
27	22	-2.85e-06	0.0	-0.12	6.70e-06	0.0	0.0
27	23	-1.86e-06	0.0	-0.08	4.04e-06	0.0	0.0
27	24	-2.38e-06	0.0	-0.10	5.49e-06	0.0	0.0
27	25	-2.53e-06	0.0	-0.11	5.25e-06	0.0	0.0
27	26	-2.80e-06	0.0	-0.12	5.98e-06	0.0	0.0
27	27	-2.07e-06	0.0	-0.09	4.04e-06	0.0	0.0
27	28	-2.33e-06	0.0	-0.10	4.76e-06	0.0	0.0
27	29	-2.32e-06	0.0	-0.10	5.25e-06	0.0	0.0
27	30	-2.58e-06	0.0	-0.11	5.98e-06	0.0	0.0
27	31	-1.86e-06	0.0	-0.08	4.04e-06	0.0	0.0
27	32	-2.12e-06	0.0	-0.09	4.76e-06	0.0	0.0
27	33	-2.32e-06	0.0	-0.10	5.25e-06	0.0	0.0
27	34	-2.58e-06	0.0	-0.11	5.98e-06	0.0	0.0
27	35	-1.86e-06	0.0	-0.08	4.04e-06	0.0	0.0
27	36	-2.12e-06	0.0	-0.09	4.76e-06	0.0	0.0
27	37	-2.32e-06	0.0	-0.10	5.25e-06	0.0	0.0
27	38	-2.58e-06	0.0	-0.11	5.98e-06	0.0	0.0
27	39	-1.86e-06	0.0	-0.08	4.04e-06	0.0	0.0
27	40	-2.12e-06	0.0	-0.09	4.76e-06	0.0	0.0
27	41	-2.32e-06	0.0	-0.10	5.25e-06	0.0	0.0



27	42	-2.58e-06	0.0	-0.11	5.98e-06	0.0	0.0
27	43	-1.86e-06	0.0	-0.08	4.04e-06	0.0	0.0
27	44	-2.12e-06	0.0	-0.09	4.76e-06	0.0	0.0
27	45	-1.54e-06	0.0	-0.06	4.04e-06	-1.01e-06	0.0
28	1	0.0	8.29e-03	0.07	1.41e-03	0.0	0.0
28	2	0.0	9.85e-03	0.08	1.67e-03	0.0	0.0
28	3	0.0	9.24e-03	0.08	1.57e-03	0.0	0.0
28	4	0.0	0.01	0.08	1.70e-03	0.0	0.0
28	5	0.0	8.29e-03	0.07	1.41e-03	0.0	0.0
28	6	0.0	9.07e-03	0.08	1.54e-03	0.0	0.0
28	7	0.0	8.29e-03	0.07	1.41e-03	0.0	0.0
28	8	0.0	9.07e-03	0.08	1.54e-03	0.0	0.0
28	9	0.0	8.29e-03	0.07	1.41e-03	0.0	0.0
28	10	0.0	9.07e-03	0.08	1.54e-03	0.0	0.0
28	11	0.0	8.29e-03	0.07	1.41e-03	0.0	0.0
28	12	0.0	9.07e-03	0.08	1.54e-03	0.0	0.0
28	13	0.0	6.86e-03	0.06	1.17e-03	0.0	0.0
28	14	0.0	7.17e-03	0.06	1.22e-03	0.0	0.0
28	15	0.0	7.34e-03	0.06	1.25e-03	0.0	0.0
28	16	0.0	6.86e-03	0.06	1.17e-03	0.0	0.0
28	17	0.0	6.86e-03	0.06	1.17e-03	0.0	0.0
28	18	0.0	6.86e-03	0.06	1.17e-03	0.0	0.0
28	19	0.0	6.86e-03	0.06	1.17e-03	0.0	0.0
28	20	0.0	6.86e-03	0.06	1.17e-03	0.0	0.0
28	21	0.0	0.01	0.09	1.88e-03	0.0	0.0
28	22	0.0	0.01	0.11	2.28e-03	0.0	0.0
28	23	0.0	9.01e-03	0.07	1.53e-03	0.0	0.0
28	24	0.0	0.01	0.09	1.93e-03	0.0	0.0
28	25	0.0	0.01	0.10	2.12e-03	0.0	0.0
28	26	0.0	0.01	0.11	2.32e-03	0.0	0.0
28	27	0.0	0.01	0.09	1.77e-03	0.0	0.0
28	28	0.0	0.01	0.10	1.96e-03	0.0	0.0
28	29	0.0	0.01	0.09	1.88e-03	0.0	0.0
28	30	0.0	0.01	0.10	2.08e-03	0.0	0.0
28	31	0.0	9.01e-03	0.07	1.53e-03	0.0	0.0
28	32	0.0	0.01	0.08	1.73e-03	0.0	0.0
28	33	0.0	0.01	0.09	1.88e-03	0.0	0.0
28	34	0.0	0.01	0.10	2.08e-03	0.0	0.0
28	35	0.0	9.01e-03	0.07	1.53e-03	0.0	0.0
28	36	0.0	0.01	0.08	1.73e-03	0.0	0.0
28	37	0.0	0.01	0.09	1.88e-03	0.0	0.0
28	38	0.0	0.01	0.10	2.08e-03	0.0	0.0
28	39	0.0	9.01e-03	0.07	1.53e-03	0.0	0.0
28	40	0.0	0.01	0.08	1.73e-03	0.0	0.0
28	41	0.0	0.01	0.09	1.88e-03	0.0	0.0
28	42	0.0	0.01	0.10	2.08e-03	0.0	0.0
28	43	0.0	9.01e-03	0.07	1.53e-03	0.0	0.0
28	44	0.0	0.01	0.08	1.73e-03	0.0	0.0
28	45	0.0	6.86e-03	0.06	1.17e-03	0.0	0.0
29	1	0.0	0.0	0.0	1.45e-03	0.0	0.0
29	2	0.0	0.0	0.0	1.73e-03	0.0	0.0
29	3	0.0	0.0	0.0	1.61e-03	0.0	0.0
29	4	0.0	0.0	0.0	1.75e-03	0.0	0.0
29	5	0.0	0.0	0.0	1.45e-03	0.0	0.0
29	6	0.0	0.0	0.0	1.59e-03	0.0	0.0
29	7	0.0	0.0	0.0	1.45e-03	0.0	0.0
29	8	0.0	0.0	0.0	1.59e-03	0.0	0.0
29	9	0.0	0.0	0.0	1.45e-03	0.0	0.0
29	10	0.0	0.0	0.0	1.59e-03	0.0	0.0
29	11	0.0	0.0	0.0	1.45e-03	0.0	0.0
29	12	0.0	0.0	0.0	1.59e-03	0.0	0.0
29	13	0.0	0.0	0.0	1.21e-03	0.0	0.0
29	14	0.0	0.0	0.0	1.27e-03	0.0	0.0
29	15	0.0	0.0	0.0	1.29e-03	0.0	0.0
29	16	0.0	0.0	0.0	1.21e-03	0.0	0.0
29	17	0.0	0.0	0.0	1.21e-03	0.0	0.0
29	18	0.0	0.0	0.0	1.21e-03	0.0	0.0
29	19	0.0	0.0	0.0	1.21e-03	0.0	0.0
29	20	0.0	0.0	0.0	1.21e-03	0.0	0.0
29	21	0.0	0.0	0.0	1.93e-03	0.0	0.0
29	22	0.0	0.0	0.0	2.35e-03	0.0	0.0
29	23	0.0	0.0	0.0	1.57e-03	0.0	0.0
29	24	0.0	0.0	0.0	1.98e-03	0.0	0.0
29	25	0.0	0.0	0.0	2.17e-03	0.0	0.0
29	26	0.0	0.0	0.0	2.38e-03	0.0	0.0
29	27	0.0	0.0	0.0	1.81e-03	0.0	0.0
29	28	0.0	0.0	0.0	2.01e-03	0.0	0.0



29	29	0.0	0.0	0.0	1.93e-03	0.0	0.0
29	30	0.0	0.0	0.0	2.14e-03	0.0	0.0
29	31	0.0	0.0	0.0	1.57e-03	0.0	0.0
29	32	0.0	0.0	0.0	1.78e-03	0.0	0.0
29	33	0.0	0.0	0.0	1.93e-03	0.0	0.0
29	34	0.0	0.0	0.0	2.14e-03	0.0	0.0
29	35	0.0	0.0	0.0	1.57e-03	0.0	0.0
29	36	0.0	0.0	0.0	1.78e-03	0.0	0.0
29	37	0.0	0.0	0.0	1.93e-03	0.0	0.0
29	38	0.0	0.0	0.0	2.14e-03	0.0	0.0
29	39	0.0	0.0	0.0	1.57e-03	0.0	0.0
29	40	0.0	0.0	0.0	1.78e-03	0.0	0.0
29	41	0.0	0.0	0.0	1.93e-03	0.0	0.0
29	42	0.0	0.0	0.0	2.14e-03	0.0	0.0
29	43	0.0	0.0	0.0	1.57e-03	0.0	0.0
29	44	0.0	0.0	0.0	1.78e-03	0.0	0.0
29	45	0.0	0.0	0.0	1.21e-03	0.0	0.0
30	1	0.0	-8.36e-03	0.07	-1.42e-03	0.0	0.0
30	2	0.0	-9.93e-03	0.08	-1.69e-03	0.0	0.0
30	3	0.0	-9.31e-03	0.08	-1.58e-03	0.0	0.0
30	4	0.0	-0.01	0.08	-1.71e-03	0.0	0.0
30	5	0.0	-8.36e-03	0.07	-1.42e-03	0.0	0.0
30	6	0.0	-9.14e-03	0.08	-1.55e-03	0.0	0.0
30	7	0.0	-8.36e-03	0.07	-1.42e-03	0.0	0.0
30	8	0.0	-9.14e-03	0.08	-1.55e-03	0.0	0.0
30	9	0.0	-8.36e-03	0.07	-1.42e-03	0.0	0.0
30	10	0.0	-9.14e-03	0.08	-1.55e-03	0.0	0.0
30	11	0.0	-8.36e-03	0.07	-1.42e-03	0.0	0.0
30	12	0.0	-9.14e-03	0.08	-1.55e-03	0.0	0.0
30	13	0.0	-6.93e-03	0.06	-1.18e-03	0.0	0.0
30	14	0.0	-7.24e-03	0.06	-1.23e-03	0.0	0.0
30	15	0.0	-7.40e-03	0.06	-1.26e-03	0.0	0.0
30	16	0.0	-6.93e-03	0.06	-1.18e-03	0.0	0.0
30	17	0.0	-6.93e-03	0.06	-1.18e-03	0.0	0.0
30	18	0.0	-6.93e-03	0.06	-1.18e-03	0.0	0.0
30	19	0.0	-6.93e-03	0.06	-1.18e-03	0.0	0.0
30	20	0.0	-6.93e-03	0.06	-1.18e-03	0.0	0.0
30	21	0.0	-0.01	0.09	-1.89e-03	0.0	0.0
30	22	0.0	-0.01	0.11	-2.29e-03	0.0	0.0
30	23	0.0	-9.07e-03	0.08	-1.54e-03	0.0	0.0
30	24	0.0	-0.01	0.10	-1.94e-03	0.0	0.0
30	25	0.0	-0.01	0.10	-2.13e-03	0.0	0.0
30	26	0.0	-0.01	0.11	-2.33e-03	0.0	0.0
30	27	0.0	-0.01	0.09	-1.78e-03	0.0	0.0
30	28	0.0	-0.01	0.10	-1.98e-03	0.0	0.0
30	29	0.0	-0.01	0.09	-1.89e-03	0.0	0.0
30	30	0.0	-0.01	0.10	-2.09e-03	0.0	0.0
30	31	0.0	-9.07e-03	0.08	-1.54e-03	0.0	0.0
30	32	0.0	-0.01	0.09	-1.74e-03	0.0	0.0
30	33	0.0	-0.01	0.09	-1.89e-03	0.0	0.0
30	34	0.0	-0.01	0.10	-2.09e-03	0.0	0.0
30	35	0.0	-9.07e-03	0.08	-1.54e-03	0.0	0.0
30	36	0.0	-0.01	0.09	-1.74e-03	0.0	0.0
30	37	0.0	-0.01	0.09	-1.89e-03	0.0	0.0
30	38	0.0	-0.01	0.10	-2.09e-03	0.0	0.0
30	39	0.0	-9.07e-03	0.08	-1.54e-03	0.0	0.0
30	40	0.0	-0.01	0.09	-1.74e-03	0.0	0.0
30	41	0.0	-0.01	0.09	-1.89e-03	0.0	0.0
30	42	0.0	-0.01	0.10	-2.09e-03	0.0	0.0
30	43	0.0	-9.07e-03	0.08	-1.54e-03	0.0	0.0
30	44	0.0	-0.01	0.09	-1.74e-03	0.0	0.0
30	45	0.0	-6.93e-03	0.06	-1.18e-03	0.0	0.0
31	1	0.0	0.0	0.0	-1.47e-03	0.0	0.0
31	2	0.0	0.0	0.0	-1.75e-03	0.0	0.0
31	3	0.0	0.0	0.0	-1.63e-03	0.0	0.0
31	4	0.0	0.0	0.0	-1.77e-03	0.0	0.0
31	5	0.0	0.0	0.0	-1.47e-03	0.0	0.0
31	6	0.0	0.0	0.0	-1.61e-03	0.0	0.0
31	7	0.0	0.0	0.0	-1.47e-03	0.0	0.0
31	8	0.0	0.0	0.0	-1.61e-03	0.0	0.0
31	9	0.0	0.0	0.0	-1.47e-03	0.0	0.0
31	10	0.0	0.0	0.0	-1.61e-03	0.0	0.0
31	11	0.0	0.0	0.0	-1.47e-03	0.0	0.0
31	12	0.0	0.0	0.0	-1.61e-03	0.0	0.0
31	13	0.0	0.0	0.0	-1.23e-03	0.0	0.0
31	14	0.0	0.0	0.0	-1.29e-03	0.0	0.0
31	15	0.0	0.0	0.0	-1.31e-03	0.0	0.0



31	16	0.0	0.0	0.0	-1.23e-03	0.0	0.0
31	17	0.0	0.0	0.0	-1.23e-03	0.0	0.0
31	18	0.0	0.0	0.0	-1.23e-03	0.0	0.0
31	19	0.0	0.0	0.0	-1.23e-03	0.0	0.0
31	20	0.0	0.0	0.0	-1.23e-03	0.0	0.0
31	21	0.0	0.0	0.0	-1.96e-03	0.0	0.0
31	22	0.0	0.0	0.0	-2.38e-03	0.0	0.0
31	23	0.0	0.0	0.0	-1.59e-03	0.0	0.0
31	24	0.0	0.0	0.0	-2.01e-03	0.0	0.0
31	25	0.0	0.0	0.0	-2.20e-03	0.0	0.0
31	26	0.0	0.0	0.0	-2.41e-03	0.0	0.0
31	27	0.0	0.0	0.0	-1.83e-03	0.0	0.0
31	28	0.0	0.0	0.0	-2.04e-03	0.0	0.0
31	29	0.0	0.0	0.0	-1.96e-03	0.0	0.0
31	30	0.0	0.0	0.0	-2.17e-03	0.0	0.0
31	31	0.0	0.0	0.0	-1.59e-03	0.0	0.0
31	32	0.0	0.0	0.0	-1.80e-03	0.0	0.0
31	33	0.0	0.0	0.0	-1.96e-03	0.0	0.0
31	34	0.0	0.0	0.0	-2.17e-03	0.0	0.0
31	35	0.0	0.0	0.0	-1.59e-03	0.0	0.0
31	36	0.0	0.0	0.0	-1.80e-03	0.0	0.0
31	37	0.0	0.0	0.0	-1.96e-03	0.0	0.0
31	38	0.0	0.0	0.0	-2.17e-03	0.0	0.0
31	39	0.0	0.0	0.0	-1.59e-03	0.0	0.0
31	40	0.0	0.0	0.0	-1.80e-03	0.0	0.0
31	41	0.0	0.0	0.0	-1.96e-03	0.0	0.0
31	42	0.0	0.0	0.0	-2.17e-03	0.0	0.0
31	43	0.0	0.0	0.0	-1.59e-03	0.0	0.0
31	44	0.0	0.0	0.0	-1.80e-03	0.0	0.0
31	45	0.0	0.0	0.0	-1.23e-03	0.0	0.0
32	1	-5.25e-06	1.66e-06	-0.07	2.13e-05	-2.82e-05	0.0
32	2	-6.30e-06	2.06e-06	-0.09	2.64e-05	-3.45e-05	0.0
32	3	-5.69e-06	1.66e-06	-0.08	2.13e-05	-2.92e-05	0.0
32	4	-6.21e-06	1.86e-06	-0.09	2.38e-05	-3.23e-05	0.0
32	5	-5.25e-06	1.66e-06	-0.07	2.13e-05	-2.82e-05	0.0
32	6	-5.77e-06	1.86e-06	-0.08	2.38e-05	-3.13e-05	0.0
32	7	-5.25e-06	1.66e-06	-0.07	2.13e-05	-2.82e-05	0.0
32	8	-5.77e-06	1.86e-06	-0.08	2.38e-05	-3.13e-05	0.0
32	9	-5.25e-06	1.66e-06	-0.07	2.13e-05	-2.82e-05	0.0
32	10	-5.77e-06	1.86e-06	-0.08	2.38e-05	-3.13e-05	0.0
32	11	-5.25e-06	1.66e-06	-0.07	2.13e-05	-2.82e-05	0.0
32	12	-5.77e-06	1.86e-06	-0.08	2.38e-05	-3.13e-05	0.0
32	13	-4.60e-06	1.66e-06	-0.06	2.13e-05	-2.67e-05	0.0
32	14	-4.81e-06	1.74e-06	-0.06	2.23e-05	-2.80e-05	0.0
32	15	-4.82e-06	1.66e-06	-0.07	2.13e-05	-2.72e-05	0.0
32	16	-4.60e-06	1.66e-06	-0.06	2.13e-05	-2.67e-05	0.0
32	17	-4.60e-06	1.66e-06	-0.06	2.13e-05	-2.67e-05	0.0
32	18	-4.60e-06	1.66e-06	-0.06	2.13e-05	-2.67e-05	0.0
32	19	-4.60e-06	1.66e-06	-0.06	2.13e-05	-2.67e-05	0.0
32	20	-4.60e-06	1.66e-06	-0.06	2.13e-05	-2.67e-05	0.0
32	21	-6.96e-06	2.16e-06	-0.10	2.76e-05	-3.69e-05	0.0
32	22	-8.52e-06	2.76e-06	-0.12	3.53e-05	-4.64e-05	0.0
32	23	-5.58e-06	1.66e-06	-0.08	2.13e-05	-2.89e-05	0.0
32	24	-7.14e-06	2.26e-06	-0.10	2.89e-05	-3.84e-05	0.0
32	25	-7.62e-06	2.16e-06	-0.11	2.76e-05	-3.84e-05	0.0
32	26	-8.40e-06	2.46e-06	-0.12	3.15e-05	-4.31e-05	0.0
32	27	-6.24e-06	1.66e-06	-0.09	2.13e-05	-3.04e-05	0.0
32	28	-7.02e-06	1.96e-06	-0.10	2.51e-05	-3.51e-05	0.0
32	29	-6.96e-06	2.16e-06	-0.10	2.76e-05	-3.69e-05	0.0
32	30	-7.74e-06	2.46e-06	-0.11	3.15e-05	-4.17e-05	0.0
32	31	-5.58e-06	1.66e-06	-0.08	2.13e-05	-2.89e-05	0.0
32	32	-6.36e-06	1.96e-06	-0.09	2.51e-05	-3.37e-05	0.0
32	33	-6.96e-06	2.16e-06	-0.10	2.76e-05	-3.69e-05	0.0
32	34	-7.74e-06	2.46e-06	-0.11	3.15e-05	-4.17e-05	0.0
32	35	-5.58e-06	1.66e-06	-0.08	2.13e-05	-2.89e-05	0.0
32	36	-6.36e-06	1.96e-06	-0.09	2.51e-05	-3.37e-05	0.0
32	37	-6.96e-06	2.16e-06	-0.10	2.76e-05	-3.69e-05	0.0
32	38	-7.74e-06	2.46e-06	-0.11	3.15e-05	-4.17e-05	0.0
32	39	-5.58e-06	1.66e-06	-0.08	2.13e-05	-2.89e-05	0.0
32	40	-6.36e-06	1.96e-06	-0.09	2.51e-05	-3.37e-05	0.0
32	41	-6.96e-06	2.16e-06	-0.10	2.76e-05	-3.69e-05	0.0
32	42	-7.74e-06	2.46e-06	-0.11	3.15e-05	-4.17e-05	0.0
32	43	-5.58e-06	1.66e-06	-0.08	2.13e-05	-2.89e-05	0.0
32	44	-6.36e-06	1.96e-06	-0.09	2.51e-05	-3.37e-05	0.0
32	45	-4.60e-06	1.66e-06	-0.06	2.13e-05	-2.67e-05	0.0
33	1	-4.34e-06	8.07e-03	0.07	1.37e-03	0.0	0.0
33	2	-5.36e-06	9.57e-03	0.08	1.63e-03	0.0	0.0



33	3	-4.40e-06	9.02e-03	0.08	1.53e-03	0.0	0.0
33	4	-4.91e-06	9.77e-03	0.08	1.66e-03	0.0	0.0
33	5	-4.34e-06	8.07e-03	0.07	1.37e-03	0.0	0.0
33	6	-4.85e-06	8.82e-03	0.07	1.50e-03	0.0	0.0
33	7	-4.34e-06	8.07e-03	0.07	1.37e-03	0.0	0.0
33	8	-4.85e-06	8.82e-03	0.07	1.50e-03	0.0	0.0
33	9	-4.34e-06	8.07e-03	0.07	1.37e-03	0.0	0.0
33	10	-4.85e-06	8.82e-03	0.07	1.50e-03	0.0	0.0
33	11	-4.34e-06	8.07e-03	0.07	1.37e-03	0.0	0.0
33	12	-4.85e-06	8.82e-03	0.07	1.50e-03	0.0	0.0
33	13	-4.24e-06	6.64e-03	0.06	1.13e-03	0.0	0.0
33	14	-4.45e-06	6.94e-03	0.06	1.18e-03	0.0	0.0
33	15	-4.27e-06	7.12e-03	0.06	1.21e-03	0.0	0.0
33	16	-4.24e-06	6.64e-03	0.06	1.13e-03	0.0	0.0
33	17	-4.24e-06	6.64e-03	0.06	1.13e-03	0.0	0.0
33	18	-4.24e-06	6.64e-03	0.06	1.13e-03	0.0	0.0
33	19	-4.24e-06	6.64e-03	0.06	1.13e-03	0.0	0.0
33	20	-4.24e-06	6.64e-03	0.06	1.13e-03	0.0	0.0
33	21	-5.65e-06	0.01	0.09	1.83e-03	0.0	0.0
33	22	-7.19e-06	0.01	0.11	2.22e-03	0.0	0.0
33	23	-4.38e-06	8.78e-03	0.07	1.49e-03	0.0	0.0
33	24	-5.91e-06	0.01	0.09	1.88e-03	0.0	0.0
33	25	-5.75e-06	0.01	0.10	2.07e-03	0.0	0.0
33	26	-6.51e-06	0.01	0.11	2.26e-03	0.0	0.0
33	27	-4.47e-06	0.01	0.08	1.73e-03	0.0	0.0
33	28	-5.24e-06	0.01	0.09	1.92e-03	0.0	0.0
33	29	-5.65e-06	0.01	0.09	1.83e-03	0.0	0.0
33	30	-6.42e-06	0.01	0.10	2.02e-03	0.0	0.0
33	31	-4.38e-06	8.78e-03	0.07	1.49e-03	0.0	0.0
33	32	-5.15e-06	9.91e-03	0.08	1.68e-03	0.0	0.0
33	33	-5.65e-06	0.01	0.09	1.83e-03	0.0	0.0
33	34	-6.42e-06	0.01	0.10	2.02e-03	0.0	0.0
33	35	-4.38e-06	8.78e-03	0.07	1.49e-03	0.0	0.0
33	36	-5.15e-06	9.91e-03	0.08	1.68e-03	0.0	0.0
33	37	-5.65e-06	0.01	0.09	1.83e-03	0.0	0.0
33	38	-6.42e-06	0.01	0.10	2.02e-03	0.0	0.0
33	39	-4.38e-06	8.78e-03	0.07	1.49e-03	0.0	0.0
33	40	-5.15e-06	9.91e-03	0.08	1.68e-03	0.0	0.0
33	41	-5.65e-06	0.01	0.09	1.83e-03	0.0	0.0
33	42	-6.42e-06	0.01	0.10	2.02e-03	0.0	0.0
33	43	-4.38e-06	8.78e-03	0.07	1.49e-03	0.0	0.0
33	44	-5.15e-06	9.91e-03	0.08	1.68e-03	0.0	0.0
33	45	-4.24e-06	6.64e-03	0.06	1.13e-03	0.0	0.0
34	1	0.0	0.0	0.0	1.41e-03	0.0	0.0
34	2	0.0	0.0	0.0	1.68e-03	0.0	0.0
34	3	0.0	0.0	0.0	1.57e-03	0.0	0.0
34	4	0.0	0.0	0.0	1.71e-03	0.0	0.0
34	5	0.0	0.0	0.0	1.41e-03	0.0	0.0
34	6	0.0	0.0	0.0	1.55e-03	0.0	0.0
34	7	0.0	0.0	0.0	1.41e-03	0.0	0.0
34	8	0.0	0.0	0.0	1.55e-03	0.0	0.0
34	9	0.0	0.0	0.0	1.41e-03	0.0	0.0
34	10	0.0	0.0	0.0	1.55e-03	0.0	0.0
34	11	0.0	0.0	0.0	1.41e-03	0.0	0.0
34	12	0.0	0.0	0.0	1.55e-03	0.0	0.0
34	13	0.0	0.0	0.0	1.18e-03	0.0	0.0
34	14	0.0	0.0	0.0	1.23e-03	0.0	0.0
34	15	0.0	0.0	0.0	1.25e-03	0.0	0.0
34	16	0.0	0.0	0.0	1.18e-03	0.0	0.0
34	17	0.0	0.0	0.0	1.18e-03	0.0	0.0
34	18	0.0	0.0	0.0	1.18e-03	0.0	0.0
34	19	0.0	0.0	0.0	1.18e-03	0.0	0.0
34	20	0.0	0.0	0.0	1.18e-03	0.0	0.0
34	21	0.0	0.0	0.0	1.89e-03	0.0	0.0
34	22	0.0	0.0	0.0	2.29e-03	0.0	0.0
34	23	0.0	0.0	0.0	1.53e-03	0.0	0.0
34	24	0.0	0.0	0.0	1.93e-03	0.0	0.0
34	25	0.0	0.0	0.0	2.12e-03	0.0	0.0
34	26	0.0	0.0	0.0	2.32e-03	0.0	0.0
34	27	0.0	0.0	0.0	1.77e-03	0.0	0.0
34	28	0.0	0.0	0.0	1.97e-03	0.0	0.0
34	29	0.0	0.0	0.0	1.89e-03	0.0	0.0
34	30	0.0	0.0	0.0	2.09e-03	0.0	0.0
34	31	0.0	0.0	0.0	1.53e-03	0.0	0.0
34	32	0.0	0.0	0.0	1.73e-03	0.0	0.0
34	33	0.0	0.0	0.0	1.89e-03	0.0	0.0
34	34	0.0	0.0	0.0	2.09e-03	0.0	0.0



34	35	0.0	0.0	0.0	1.53e-03	0.0	0.0
34	36	0.0	0.0	0.0	1.73e-03	0.0	0.0
34	37	0.0	0.0	0.0	1.89e-03	0.0	0.0
34	38	0.0	0.0	0.0	2.09e-03	0.0	0.0
34	39	0.0	0.0	0.0	1.53e-03	0.0	0.0
34	40	0.0	0.0	0.0	1.73e-03	0.0	0.0
34	41	0.0	0.0	0.0	1.89e-03	0.0	0.0
34	42	0.0	0.0	0.0	2.09e-03	0.0	0.0
34	43	0.0	0.0	0.0	1.53e-03	0.0	0.0
34	44	0.0	0.0	0.0	1.73e-03	0.0	0.0
34	45	0.0	0.0	0.0	1.18e-03	0.0	0.0
35	1	-4.37e-06	-8.41e-03	0.07	-1.43e-03	0.0	0.0
35	2	-5.39e-06	-9.99e-03	0.08	-1.70e-03	0.0	0.0
35	3	-4.43e-06	-9.36e-03	0.08	-1.59e-03	0.0	0.0
35	4	-4.94e-06	-0.01	0.08	-1.72e-03	0.0	0.0
35	5	-4.37e-06	-8.41e-03	0.07	-1.43e-03	0.0	0.0
35	6	-4.88e-06	-9.20e-03	0.08	-1.56e-03	0.0	0.0
35	7	-4.37e-06	-8.41e-03	0.07	-1.43e-03	0.0	0.0
35	8	-4.88e-06	-9.20e-03	0.08	-1.56e-03	0.0	0.0
35	9	-4.37e-06	-8.41e-03	0.07	-1.43e-03	0.0	0.0
35	10	-4.88e-06	-9.20e-03	0.08	-1.56e-03	0.0	0.0
35	11	-4.37e-06	-8.41e-03	0.07	-1.43e-03	0.0	0.0
35	12	-4.88e-06	-9.20e-03	0.08	-1.56e-03	0.0	0.0
35	13	-4.27e-06	-6.98e-03	0.06	-1.19e-03	0.0	0.0
35	14	-4.48e-06	-7.29e-03	0.06	-1.24e-03	0.0	0.0
35	15	-4.30e-06	-7.45e-03	0.06	-1.27e-03	0.0	0.0
35	16	-4.27e-06	-6.98e-03	0.06	-1.19e-03	0.0	0.0
35	17	-4.27e-06	-6.98e-03	0.06	-1.19e-03	0.0	0.0
35	18	-4.27e-06	-6.98e-03	0.06	-1.19e-03	0.0	0.0
35	19	-4.27e-06	-6.98e-03	0.06	-1.19e-03	0.0	0.0
35	20	-4.27e-06	-6.98e-03	0.06	-1.19e-03	0.0	0.0
35	21	-5.69e-06	-0.01	0.09	-1.90e-03	0.0	0.0
35	22	-7.24e-06	-0.01	0.11	-2.31e-03	0.0	0.0
35	23	-4.41e-06	-9.12e-03	0.08	-1.55e-03	0.0	0.0
35	24	-5.95e-06	-0.01	0.10	-1.95e-03	0.0	0.0
35	25	-5.79e-06	-0.01	0.11	-2.14e-03	0.0	0.0
35	26	-6.56e-06	-0.01	0.12	-2.34e-03	0.0	0.0
35	27	-4.50e-06	-0.01	0.09	-1.78e-03	0.0	0.0
35	28	-5.28e-06	-0.01	0.10	-1.99e-03	0.0	0.0
35	29	-5.69e-06	-0.01	0.09	-1.90e-03	0.0	0.0
35	30	-6.46e-06	-0.01	0.10	-2.11e-03	0.0	0.0
35	31	-4.41e-06	-9.12e-03	0.08	-1.55e-03	0.0	0.0
35	32	-5.18e-06	-0.01	0.09	-1.75e-03	0.0	0.0
35	33	-5.69e-06	-0.01	0.09	-1.90e-03	0.0	0.0
35	34	-6.46e-06	-0.01	0.10	-2.11e-03	0.0	0.0
35	35	-4.41e-06	-9.12e-03	0.08	-1.55e-03	0.0	0.0
35	36	-5.18e-06	-0.01	0.09	-1.75e-03	0.0	0.0
35	37	-5.69e-06	-0.01	0.09	-1.90e-03	0.0	0.0
35	38	-6.46e-06	-0.01	0.10	-2.11e-03	0.0	0.0
35	39	-4.41e-06	-9.12e-03	0.08	-1.55e-03	0.0	0.0
35	40	-5.18e-06	-0.01	0.09	-1.75e-03	0.0	0.0
35	41	-5.69e-06	-0.01	0.09	-1.90e-03	0.0	0.0
35	42	-6.46e-06	-0.01	0.10	-2.11e-03	0.0	0.0
35	43	-4.41e-06	-9.12e-03	0.08	-1.55e-03	0.0	0.0
35	44	-5.18e-06	-0.01	0.09	-1.75e-03	0.0	0.0
35	45	-4.27e-06	-6.98e-03	0.06	-1.19e-03	0.0	0.0
36	1	0.0	0.0	0.0	-1.48e-03	0.0	0.0
36	2	0.0	0.0	0.0	-1.76e-03	0.0	0.0
36	3	0.0	0.0	0.0	-1.63e-03	0.0	0.0
36	4	0.0	0.0	0.0	-1.78e-03	0.0	0.0
36	5	0.0	0.0	0.0	-1.48e-03	0.0	0.0
36	6	0.0	0.0	0.0	-1.62e-03	0.0	0.0
36	7	0.0	0.0	0.0	-1.48e-03	0.0	0.0
36	8	0.0	0.0	0.0	-1.62e-03	0.0	0.0
36	9	0.0	0.0	0.0	-1.48e-03	0.0	0.0
36	10	0.0	0.0	0.0	-1.62e-03	0.0	0.0
36	11	0.0	0.0	0.0	-1.48e-03	0.0	0.0
36	12	0.0	0.0	0.0	-1.62e-03	0.0	0.0
36	13	0.0	0.0	0.0	-1.24e-03	0.0	0.0
36	14	0.0	0.0	0.0	-1.30e-03	0.0	0.0
36	15	0.0	0.0	0.0	-1.32e-03	0.0	0.0
36	16	0.0	0.0	0.0	-1.24e-03	0.0	0.0
36	17	0.0	0.0	0.0	-1.24e-03	0.0	0.0
36	18	0.0	0.0	0.0	-1.24e-03	0.0	0.0
36	19	0.0	0.0	0.0	-1.24e-03	0.0	0.0
36	20	0.0	0.0	0.0	-1.24e-03	0.0	0.0
36	21	0.0	0.0	0.0	-1.97e-03	0.0	0.0



36	22	0.0	0.0	0.0	-2.39e-03	0.0	0.0
36	23	0.0	0.0	0.0	-1.59e-03	0.0	0.0
36	24	0.0	0.0	0.0	-2.02e-03	0.0	0.0
36	25	0.0	0.0	0.0	-2.20e-03	0.0	0.0
36	26	0.0	0.0	0.0	-2.41e-03	0.0	0.0
36	27	0.0	0.0	0.0	-1.83e-03	0.0	0.0
36	28	0.0	0.0	0.0	-2.04e-03	0.0	0.0
36	29	0.0	0.0	0.0	-1.97e-03	0.0	0.0
36	30	0.0	0.0	0.0	-2.18e-03	0.0	0.0
36	31	0.0	0.0	0.0	-1.59e-03	0.0	0.0
36	32	0.0	0.0	0.0	-1.81e-03	0.0	0.0
36	33	0.0	0.0	0.0	-1.97e-03	0.0	0.0
36	34	0.0	0.0	0.0	-2.18e-03	0.0	0.0
36	35	0.0	0.0	0.0	-1.59e-03	0.0	0.0
36	36	0.0	0.0	0.0	-1.81e-03	0.0	0.0
36	37	0.0	0.0	0.0	-1.97e-03	0.0	0.0
36	38	0.0	0.0	0.0	-2.18e-03	0.0	0.0
36	39	0.0	0.0	0.0	-1.59e-03	0.0	0.0
36	40	0.0	0.0	0.0	-1.81e-03	0.0	0.0
36	41	0.0	0.0	0.0	-1.97e-03	0.0	0.0
36	42	0.0	0.0	0.0	-2.18e-03	0.0	0.0
36	43	0.0	0.0	0.0	-1.59e-03	0.0	0.0
36	44	0.0	0.0	0.0	-1.81e-03	0.0	0.0
36	45	0.0	0.0	0.0	-1.24e-03	0.0	0.0
37	1	-8.12e-06	3.07e-06	-0.07	9.00e-05	-1.39e-04	0.0
37	2	-9.71e-06	3.80e-06	-0.08	1.12e-04	-1.67e-04	0.0
37	3	-8.82e-06	3.07e-06	-0.07	9.00e-05	-1.50e-04	0.0
37	4	-9.62e-06	3.44e-06	-0.08	1.01e-04	-1.64e-04	0.0
37	5	-8.12e-06	3.07e-06	-0.07	9.00e-05	-1.39e-04	0.0
37	6	-8.91e-06	3.44e-06	-0.07	1.01e-04	-1.53e-04	0.0
37	7	-8.12e-06	3.07e-06	-0.07	9.00e-05	-1.39e-04	0.0
37	8	-8.91e-06	3.44e-06	-0.07	1.01e-04	-1.53e-04	0.0
37	9	-8.12e-06	3.07e-06	-0.07	9.00e-05	-1.39e-04	0.0
37	10	-8.91e-06	3.44e-06	-0.07	1.01e-04	-1.53e-04	0.0
37	11	-8.12e-06	3.07e-06	-0.07	9.00e-05	-1.39e-04	0.0
37	12	-8.91e-06	3.44e-06	-0.07	1.01e-04	-1.53e-04	0.0
37	13	-7.05e-06	3.07e-06	-0.06	9.00e-05	-1.23e-04	0.0
37	14	-7.37e-06	3.21e-06	-0.06	9.44e-05	-1.28e-04	0.0
37	15	-7.41e-06	3.07e-06	-0.06	9.00e-05	-1.28e-04	0.0
37	16	-7.05e-06	3.07e-06	-0.06	9.00e-05	-1.23e-04	0.0
37	17	-7.05e-06	3.07e-06	-0.06	9.00e-05	-1.23e-04	0.0
37	18	-7.05e-06	3.07e-06	-0.06	9.00e-05	-1.23e-04	0.0
37	19	-7.05e-06	3.07e-06	-0.06	9.00e-05	-1.23e-04	0.0
37	20	-7.05e-06	3.07e-06	-0.06	9.00e-05	-1.23e-04	0.0
37	21	-1.08e-05	3.99e-06	-0.09	1.17e-04	-1.84e-04	0.0
37	22	-1.31e-05	5.09e-06	-0.11	1.50e-04	-2.26e-04	0.0
37	23	-8.65e-06	3.07e-06	-0.07	9.00e-05	-1.47e-04	0.0
37	24	-1.10e-05	4.17e-06	-0.09	1.23e-04	-1.89e-04	0.0
37	25	-1.18e-05	3.99e-06	-0.10	1.17e-04	-2.01e-04	0.0
37	26	-1.30e-05	4.54e-06	-0.11	1.33e-04	-2.22e-04	0.0
37	27	-9.71e-06	3.07e-06	-0.08	9.00e-05	-1.64e-04	0.0
37	28	-1.09e-05	3.62e-06	-0.09	1.06e-04	-1.85e-04	0.0
37	29	-1.08e-05	3.99e-06	-0.09	1.17e-04	-1.84e-04	0.0
37	30	-1.20e-05	4.54e-06	-0.10	1.33e-04	-2.05e-04	0.0
37	31	-8.65e-06	3.07e-06	-0.07	9.00e-05	-1.47e-04	0.0
37	32	-9.84e-06	3.62e-06	-0.08	1.06e-04	-1.68e-04	0.0
37	33	-1.08e-05	3.99e-06	-0.09	1.17e-04	-1.84e-04	0.0
37	34	-1.20e-05	4.54e-06	-0.10	1.33e-04	-2.05e-04	0.0
37	35	-8.65e-06	3.07e-06	-0.07	9.00e-05	-1.47e-04	0.0
37	36	-9.84e-06	3.62e-06	-0.08	1.06e-04	-1.68e-04	0.0
37	37	-1.08e-05	3.99e-06	-0.09	1.17e-04	-1.84e-04	0.0
37	38	-1.20e-05	4.54e-06	-0.10	1.33e-04	-2.05e-04	0.0
37	39	-8.65e-06	3.07e-06	-0.07	9.00e-05	-1.47e-04	0.0
37	40	-9.84e-06	3.62e-06	-0.08	1.06e-04	-1.68e-04	0.0
37	41	-1.08e-05	3.99e-06	-0.09	1.17e-04	-1.84e-04	0.0
37	42	-1.20e-05	4.54e-06	-0.10	1.33e-04	-2.05e-04	0.0
37	43	-8.65e-06	3.07e-06	-0.07	9.00e-05	-1.47e-04	0.0
37	44	-9.84e-06	3.62e-06	-0.08	1.06e-04	-1.68e-04	0.0
37	45	-7.05e-06	3.07e-06	-0.06	9.00e-05	-1.23e-04	0.0
38	1	-2.77e-05	7.16e-03	0.06	1.22e-03	0.0	0.0
38	2	-3.33e-05	8.46e-03	0.07	1.44e-03	0.0	0.0
38	3	-2.98e-05	8.10e-03	0.07	1.38e-03	0.0	0.0
38	4	-3.26e-05	8.75e-03	0.07	1.49e-03	0.0	0.0
38	5	-2.77e-05	7.16e-03	0.06	1.22e-03	0.0	0.0
38	6	-3.05e-05	7.81e-03	0.06	1.33e-03	0.0	0.0
38	7	-2.77e-05	7.16e-03	0.06	1.22e-03	0.0	0.0
38	8	-3.05e-05	7.81e-03	0.06	1.33e-03	0.0	0.0



38	9	-2.77e-05	7.16e-03	0.06	1.22e-03	0.0	0.0
38	10	-3.05e-05	7.81e-03	0.06	1.33e-03	0.0	0.0
38	11	-2.77e-05	7.16e-03	0.06	1.22e-03	0.0	0.0
38	12	-3.05e-05	7.81e-03	0.06	1.33e-03	0.0	0.0
38	13	-2.46e-05	5.76e-03	0.05	9.86e-04	0.0	0.0
38	14	-2.57e-05	6.02e-03	0.05	1.03e-03	0.0	0.0
38	15	-2.56e-05	6.23e-03	0.05	1.06e-03	0.0	0.0
38	16	-2.46e-05	5.76e-03	0.05	9.86e-04	0.0	0.0
38	17	-2.46e-05	5.76e-03	0.05	9.86e-04	0.0	0.0
38	18	-2.46e-05	5.76e-03	0.05	9.86e-04	0.0	0.0
38	19	-2.46e-05	5.76e-03	0.05	9.86e-04	0.0	0.0
38	20	-2.46e-05	5.76e-03	0.05	9.86e-04	0.0	0.0
38	21	-3.67e-05	9.59e-03	0.08	1.63e-03	0.0	0.0
38	22	-4.51e-05	0.01	0.10	1.97e-03	0.0	0.0
38	23	-2.93e-05	7.87e-03	0.07	1.34e-03	0.0	0.0
38	24	-3.77e-05	9.81e-03	0.08	1.67e-03	0.0	0.0
38	25	-3.98e-05	0.01	0.09	1.87e-03	0.0	0.0
38	26	-4.40e-05	0.01	0.10	2.03e-03	0.0	0.0
38	27	-3.24e-05	9.27e-03	0.08	1.57e-03	0.0	0.0
38	28	-3.66e-05	0.01	0.09	1.74e-03	0.0	0.0
38	29	-3.67e-05	9.59e-03	0.08	1.63e-03	0.0	0.0
38	30	-4.09e-05	0.01	0.09	1.80e-03	0.0	0.0
38	31	-2.93e-05	7.87e-03	0.07	1.34e-03	0.0	0.0
38	32	-3.35e-05	8.84e-03	0.07	1.50e-03	0.0	0.0
38	33	-3.67e-05	9.59e-03	0.08	1.63e-03	0.0	0.0
38	34	-4.09e-05	0.01	0.09	1.80e-03	0.0	0.0
38	35	-2.93e-05	7.87e-03	0.07	1.34e-03	0.0	0.0
38	36	-3.35e-05	8.84e-03	0.07	1.50e-03	0.0	0.0
38	37	-3.67e-05	9.59e-03	0.08	1.63e-03	0.0	0.0
38	38	-4.09e-05	0.01	0.09	1.80e-03	0.0	0.0
38	39	-2.93e-05	7.87e-03	0.07	1.34e-03	0.0	0.0
38	40	-3.35e-05	8.84e-03	0.07	1.50e-03	0.0	0.0
38	41	-3.67e-05	9.59e-03	0.08	1.63e-03	0.0	0.0
38	42	-4.09e-05	0.01	0.09	1.80e-03	0.0	0.0
38	43	-2.93e-05	7.87e-03	0.07	1.34e-03	0.0	0.0
38	44	-3.35e-05	8.84e-03	0.07	1.50e-03	0.0	0.0
38	45	-2.46e-05	5.76e-03	0.05	9.86e-04	0.0	0.0
39	1	0.0	0.0	0.0	1.26e-03	0.0	0.0
39	2	0.0	0.0	0.0	1.49e-03	0.0	0.0
39	3	0.0	0.0	0.0	1.42e-03	0.0	0.0
39	4	0.0	0.0	0.0	1.53e-03	0.0	0.0
39	5	0.0	0.0	0.0	1.26e-03	0.0	0.0
39	6	0.0	0.0	0.0	1.38e-03	0.0	0.0
39	7	0.0	0.0	0.0	1.26e-03	0.0	0.0
39	8	0.0	0.0	0.0	1.38e-03	0.0	0.0
39	9	0.0	0.0	0.0	1.26e-03	0.0	0.0
39	10	0.0	0.0	0.0	1.38e-03	0.0	0.0
39	11	0.0	0.0	0.0	1.26e-03	0.0	0.0
39	12	0.0	0.0	0.0	1.38e-03	0.0	0.0
39	13	0.0	0.0	0.0	1.03e-03	0.0	0.0
39	14	0.0	0.0	0.0	1.08e-03	0.0	0.0
39	15	0.0	0.0	0.0	1.11e-03	0.0	0.0
39	16	0.0	0.0	0.0	1.03e-03	0.0	0.0
39	17	0.0	0.0	0.0	1.03e-03	0.0	0.0
39	18	0.0	0.0	0.0	1.03e-03	0.0	0.0
39	19	0.0	0.0	0.0	1.03e-03	0.0	0.0
39	20	0.0	0.0	0.0	1.03e-03	0.0	0.0
39	21	0.0	0.0	0.0	1.69e-03	0.0	0.0
39	22	0.0	0.0	0.0	2.04e-03	0.0	0.0
39	23	0.0	0.0	0.0	1.38e-03	0.0	0.0
39	24	0.0	0.0	0.0	1.73e-03	0.0	0.0
39	25	0.0	0.0	0.0	1.92e-03	0.0	0.0
39	26	0.0	0.0	0.0	2.10e-03	0.0	0.0
39	27	0.0	0.0	0.0	1.61e-03	0.0	0.0
39	28	0.0	0.0	0.0	1.79e-03	0.0	0.0
39	29	0.0	0.0	0.0	1.69e-03	0.0	0.0
39	30	0.0	0.0	0.0	1.86e-03	0.0	0.0
39	31	0.0	0.0	0.0	1.38e-03	0.0	0.0
39	32	0.0	0.0	0.0	1.55e-03	0.0	0.0
39	33	0.0	0.0	0.0	1.69e-03	0.0	0.0
39	34	0.0	0.0	0.0	1.86e-03	0.0	0.0
39	35	0.0	0.0	0.0	1.38e-03	0.0	0.0
39	36	0.0	0.0	0.0	1.55e-03	0.0	0.0
39	37	0.0	0.0	0.0	1.69e-03	0.0	0.0
39	38	0.0	0.0	0.0	1.86e-03	0.0	0.0
39	39	0.0	0.0	0.0	1.38e-03	0.0	0.0
39	40	0.0	0.0	0.0	1.55e-03	0.0	0.0



39	41	0.0	0.0	0.0	1.69e-03	0.0	0.0
39	42	0.0	0.0	0.0	1.86e-03	0.0	0.0
39	43	0.0	0.0	0.0	1.38e-03	0.0	0.0
39	44	0.0	0.0	0.0	1.55e-03	0.0	0.0
39	45	0.0	0.0	0.0	1.03e-03	0.0	0.0
40	1	-2.77e-05	-8.45e-03	0.07	-1.43e-03	0.0	0.0
40	2	-3.33e-05	-0.01	0.08	-1.71e-03	0.0	0.0
40	3	-2.98e-05	-9.39e-03	0.08	-1.59e-03	0.0	0.0
40	4	-3.26e-05	-0.01	0.08	-1.73e-03	0.0	0.0
40	5	-2.77e-05	-8.45e-03	0.07	-1.43e-03	0.0	0.0
40	6	-3.05e-05	-9.26e-03	0.08	-1.57e-03	0.0	0.0
40	7	-2.77e-05	-8.45e-03	0.07	-1.43e-03	0.0	0.0
40	8	-3.05e-05	-9.26e-03	0.08	-1.57e-03	0.0	0.0
40	9	-2.77e-05	-8.45e-03	0.07	-1.43e-03	0.0	0.0
40	10	-3.05e-05	-9.26e-03	0.08	-1.57e-03	0.0	0.0
40	11	-2.77e-05	-8.45e-03	0.07	-1.43e-03	0.0	0.0
40	12	-3.05e-05	-9.26e-03	0.08	-1.57e-03	0.0	0.0
40	13	-2.46e-05	-7.05e-03	0.06	-1.20e-03	0.0	0.0
40	14	-2.57e-05	-7.37e-03	0.06	-1.26e-03	0.0	0.0
40	15	-2.56e-05	-7.52e-03	0.06	-1.28e-03	0.0	0.0
40	16	-2.46e-05	-7.05e-03	0.06	-1.20e-03	0.0	0.0
40	17	-2.46e-05	-7.05e-03	0.06	-1.20e-03	0.0	0.0
40	18	-2.46e-05	-7.05e-03	0.06	-1.20e-03	0.0	0.0
40	19	-2.46e-05	-7.05e-03	0.06	-1.20e-03	0.0	0.0
40	20	-2.46e-05	-7.05e-03	0.06	-1.20e-03	0.0	0.0
40	21	-3.66e-05	-0.01	0.09	-1.91e-03	0.0	0.0
40	22	-4.50e-05	-0.01	0.11	-2.32e-03	0.0	0.0
40	23	-2.92e-05	-9.16e-03	0.08	-1.55e-03	0.0	0.0
40	24	-3.77e-05	-0.01	0.10	-1.96e-03	0.0	0.0
40	25	-3.97e-05	-0.01	0.11	-2.15e-03	0.0	0.0
40	26	-4.39e-05	-0.01	0.12	-2.35e-03	0.0	0.0
40	27	-3.24e-05	-0.01	0.09	-1.79e-03	0.0	0.0
40	28	-3.66e-05	-0.01	0.10	-1.99e-03	0.0	0.0
40	29	-3.66e-05	-0.01	0.09	-1.91e-03	0.0	0.0
40	30	-4.08e-05	-0.01	0.10	-2.12e-03	0.0	0.0
40	31	-2.92e-05	-9.16e-03	0.08	-1.55e-03	0.0	0.0
40	32	-3.35e-05	-0.01	0.09	-1.76e-03	0.0	0.0
40	33	-3.66e-05	-0.01	0.09	-1.91e-03	0.0	0.0
40	34	-4.08e-05	-0.01	0.10	-2.12e-03	0.0	0.0
40	35	-2.92e-05	-9.16e-03	0.08	-1.55e-03	0.0	0.0
40	36	-3.35e-05	-0.01	0.09	-1.76e-03	0.0	0.0
40	37	-3.66e-05	-0.01	0.09	-1.91e-03	0.0	0.0
40	38	-4.08e-05	-0.01	0.10	-2.12e-03	0.0	0.0
40	39	-2.92e-05	-9.16e-03	0.08	-1.55e-03	0.0	0.0
40	40	-3.35e-05	-0.01	0.09	-1.76e-03	0.0	0.0
40	41	-3.66e-05	-0.01	0.09	-1.91e-03	0.0	0.0
40	42	-4.08e-05	-0.01	0.10	-2.12e-03	0.0	0.0
40	43	-2.92e-05	-9.16e-03	0.08	-1.55e-03	0.0	0.0
40	44	-3.35e-05	-0.01	0.09	-1.76e-03	0.0	0.0
40	45	-2.46e-05	-7.05e-03	0.06	-1.20e-03	0.0	0.0
41	1	0.0	0.0	0.0	-1.49e-03	0.0	-1.20e-06
41	2	0.0	0.0	0.0	-1.79e-03	0.0	-1.43e-06
41	3	0.0	0.0	0.0	-1.64e-03	0.0	-1.33e-06
41	4	0.0	0.0	0.0	-1.79e-03	0.0	-1.44e-06
41	5	0.0	0.0	0.0	-1.49e-03	0.0	-1.20e-06
41	6	0.0	0.0	0.0	-1.64e-03	0.0	-1.32e-06
41	7	0.0	0.0	0.0	-1.49e-03	0.0	-1.20e-06
41	8	0.0	0.0	0.0	-1.64e-03	0.0	-1.32e-06
41	9	0.0	0.0	0.0	-1.49e-03	0.0	-1.20e-06
41	10	0.0	0.0	0.0	-1.64e-03	0.0	-1.32e-06
41	11	0.0	0.0	0.0	-1.49e-03	0.0	-1.20e-06
41	12	0.0	0.0	0.0	-1.64e-03	0.0	-1.32e-06
41	13	0.0	0.0	0.0	-1.27e-03	0.0	-1.02e-06
41	14	0.0	0.0	0.0	-1.33e-03	0.0	-1.07e-06
41	15	0.0	0.0	0.0	-1.35e-03	0.0	-1.08e-06
41	16	0.0	0.0	0.0	-1.27e-03	0.0	-1.02e-06
41	17	0.0	0.0	0.0	-1.27e-03	0.0	-1.02e-06
41	18	0.0	0.0	0.0	-1.27e-03	0.0	-1.02e-06
41	19	0.0	0.0	0.0	-1.27e-03	0.0	-1.02e-06
41	20	0.0	0.0	0.0	-1.27e-03	0.0	-1.02e-06
41	21	0.0	0.0	0.0	-1.99e-03	0.0	-1.60e-06
41	22	0.0	0.0	0.0	-2.43e-03	0.0	-1.95e-06
41	23	0.0	0.0	0.0	-1.60e-03	0.0	-1.30e-06
41	24	0.0	0.0	0.0	-2.04e-03	0.0	-1.64e-06
41	25	0.0	0.0	0.0	-2.21e-03	0.0	-1.78e-06
41	26	0.0	0.0	0.0	-2.43e-03	0.0	-1.95e-06
41	27	0.0	0.0	0.0	-1.83e-03	0.0	-1.48e-06



41	28	0.0	0.0	0.0	-2.04e-03	0.0	-1.65e-06
41	29	0.0	0.0	0.0	-1.99e-03	0.0	-1.60e-06
41	30	0.0	0.0	0.0	-2.21e-03	0.0	-1.77e-06
41	31	0.0	0.0	0.0	-1.60e-03	0.0	-1.30e-06
41	32	0.0	0.0	0.0	-1.82e-03	0.0	-1.47e-06
41	33	0.0	0.0	0.0	-1.99e-03	0.0	-1.60e-06
41	34	0.0	0.0	0.0	-2.21e-03	0.0	-1.77e-06
41	35	0.0	0.0	0.0	-1.60e-03	0.0	-1.30e-06
41	36	0.0	0.0	0.0	-1.82e-03	0.0	-1.47e-06
41	37	0.0	0.0	0.0	-1.99e-03	0.0	-1.60e-06
41	38	0.0	0.0	0.0	-2.21e-03	0.0	-1.77e-06
41	39	0.0	0.0	0.0	-1.60e-03	0.0	-1.30e-06
41	40	0.0	0.0	0.0	-1.82e-03	0.0	-1.47e-06
41	41	0.0	0.0	0.0	-1.99e-03	0.0	-1.60e-06
41	42	0.0	0.0	0.0	-2.21e-03	0.0	-1.77e-06
41	43	0.0	0.0	0.0	-1.60e-03	0.0	-1.30e-06
41	44	0.0	0.0	0.0	-1.82e-03	0.0	-1.47e-06
41	45	0.0	0.0	0.0	-1.27e-03	0.0	-1.02e-06
42	1	-7.82e-06	-3.19e-06	-0.04	4.10e-04	-3.32e-04	0.0
42	2	-9.33e-06	-3.96e-06	-0.05	5.09e-04	-3.94e-04	0.0
42	3	-8.56e-06	-3.19e-06	-0.05	4.10e-04	-3.65e-04	0.0
42	4	-9.31e-06	-3.58e-06	-0.05	4.59e-04	-3.96e-04	0.0
42	5	-7.82e-06	-3.19e-06	-0.04	4.10e-04	-3.32e-04	0.0
42	6	-8.57e-06	-3.58e-06	-0.05	4.59e-04	-3.63e-04	0.0
42	7	-7.82e-06	-3.19e-06	-0.04	4.10e-04	-3.32e-04	0.0
42	8	-8.57e-06	-3.58e-06	-0.05	4.59e-04	-3.63e-04	0.0
42	9	-7.82e-06	-3.19e-06	-0.04	4.10e-04	-3.32e-04	0.0
42	10	-8.57e-06	-3.58e-06	-0.05	4.59e-04	-3.63e-04	0.0
42	11	-7.82e-06	-3.19e-06	-0.04	4.10e-04	-3.32e-04	0.0
42	12	-8.57e-06	-3.58e-06	-0.05	4.59e-04	-3.63e-04	0.0
42	13	-6.72e-06	-3.19e-06	-0.04	4.10e-04	-2.81e-04	0.0
42	14	-7.02e-06	-3.35e-06	-0.04	4.30e-04	-2.94e-04	0.0
42	15	-7.09e-06	-3.19e-06	-0.04	4.10e-04	-2.98e-04	0.0
42	16	-6.72e-06	-3.19e-06	-0.04	4.10e-04	-2.81e-04	0.0
42	17	-6.72e-06	-3.19e-06	-0.04	4.10e-04	-2.81e-04	0.0
42	18	-6.72e-06	-3.19e-06	-0.04	4.10e-04	-2.81e-04	0.0
42	19	-6.72e-06	-3.19e-06	-0.04	4.10e-04	-2.81e-04	0.0
42	20	-6.72e-06	-3.19e-06	-0.04	4.10e-04	-2.81e-04	0.0
42	21	-1.04e-05	-4.15e-06	-0.06	5.33e-04	-4.41e-04	0.0
42	22	-1.26e-05	-5.30e-06	-0.07	6.81e-04	-5.35e-04	0.0
42	23	-8.37e-06	-3.19e-06	-0.05	4.10e-04	-3.57e-04	0.0
42	24	-1.06e-05	-4.35e-06	-0.06	5.58e-04	-4.50e-04	0.0
42	25	-1.15e-05	-4.15e-06	-0.07	5.33e-04	-4.91e-04	0.0
42	26	-1.26e-05	-4.73e-06	-0.07	6.07e-04	-5.38e-04	0.0
42	27	-9.48e-06	-3.19e-06	-0.06	4.10e-04	-4.07e-04	0.0
42	28	-1.06e-05	-3.77e-06	-0.06	4.84e-04	-4.54e-04	0.0
42	29	-1.04e-05	-4.15e-06	-0.06	5.33e-04	-4.41e-04	0.0
42	30	-1.15e-05	-4.73e-06	-0.06	6.07e-04	-4.88e-04	0.0
42	31	-8.37e-06	-3.19e-06	-0.05	4.10e-04	-3.57e-04	0.0
42	32	-9.50e-06	-3.77e-06	-0.05	4.84e-04	-4.04e-04	0.0
42	33	-1.04e-05	-4.15e-06	-0.06	5.33e-04	-4.41e-04	0.0
42	34	-1.15e-05	-4.73e-06	-0.06	6.07e-04	-4.88e-04	0.0
42	35	-8.37e-06	-3.19e-06	-0.05	4.10e-04	-3.57e-04	0.0
42	36	-9.50e-06	-3.77e-06	-0.05	4.84e-04	-4.04e-04	0.0
42	37	-1.04e-05	-4.15e-06	-0.06	5.33e-04	-4.41e-04	0.0
42	38	-1.15e-05	-4.73e-06	-0.06	6.07e-04	-4.88e-04	0.0
42	39	-8.37e-06	-3.19e-06	-0.05	4.10e-04	-3.57e-04	0.0
42	40	-9.50e-06	-3.77e-06	-0.05	4.84e-04	-4.04e-04	0.0
42	41	-1.04e-05	-4.15e-06	-0.06	5.33e-04	-4.41e-04	0.0
42	42	-1.15e-05	-4.73e-06	-0.06	6.07e-04	-4.88e-04	0.0
42	43	-8.37e-06	-3.19e-06	-0.05	4.10e-04	-3.57e-04	0.0
42	44	-9.50e-06	-3.77e-06	-0.05	4.84e-04	-4.04e-04	0.0
42	45	-6.72e-06	-3.19e-06	-0.04	4.10e-04	-2.81e-04	0.0
43	1	-6.02e-05	3.86e-03	0.03	6.69e-04	0.0	1.21e-06
43	2	-7.16e-05	4.38e-03	0.04	7.63e-04	0.0	1.43e-06
43	3	-6.62e-05	4.74e-03	0.04	8.16e-04	0.0	1.33e-06
43	4	-7.19e-05	5.00e-03	0.04	8.63e-04	0.0	1.44e-06
43	5	-6.02e-05	3.86e-03	0.03	6.69e-04	0.0	1.21e-06
43	6	-6.59e-05	4.12e-03	0.03	7.16e-04	0.0	1.32e-06
43	7	-6.02e-05	3.86e-03	0.03	6.69e-04	0.0	1.21e-06
43	8	-6.59e-05	4.12e-03	0.03	7.16e-04	0.0	1.32e-06
43	9	-6.02e-05	3.86e-03	0.03	6.69e-04	0.0	1.21e-06
43	10	-6.59e-05	4.12e-03	0.03	7.16e-04	0.0	1.32e-06
43	11	-6.02e-05	3.86e-03	0.03	6.69e-04	0.0	1.21e-06
43	12	-6.59e-05	4.12e-03	0.03	7.16e-04	0.0	1.32e-06
43	13	-5.12e-05	2.53e-03	0.02	4.49e-04	0.0	1.02e-06
43	14	-5.35e-05	2.64e-03	0.02	4.67e-04	0.0	1.07e-06



43	15	-5.42e-05	2.98e-03	0.02	5.22e-04	0.0	1.09e-06
43	16	-5.12e-05	2.53e-03	0.02	4.49e-04	0.0	1.02e-06
43	17	-5.12e-05	2.53e-03	0.02	4.49e-04	0.0	1.02e-06
43	18	-5.12e-05	2.53e-03	0.02	4.49e-04	0.0	1.02e-06
43	19	-5.12e-05	2.53e-03	0.02	4.49e-04	0.0	1.02e-06
43	20	-5.12e-05	2.53e-03	0.02	4.49e-04	0.0	1.02e-06
43	21	-8.01e-05	5.28e-03	0.04	9.14e-04	0.0	1.60e-06
43	22	-9.72e-05	6.07e-03	0.05	1.05e-03	0.0	1.95e-06
43	23	-6.47e-05	4.52e-03	0.04	7.79e-04	0.0	1.30e-06
43	24	-8.18e-05	5.31e-03	0.04	9.20e-04	0.0	1.64e-06
43	25	-8.91e-05	6.60e-03	0.05	1.13e-03	0.0	1.78e-06
43	26	-9.76e-05	7.00e-03	0.06	1.20e-03	0.0	1.96e-06
43	27	-7.37e-05	5.84e-03	0.05	9.99e-04	0.0	1.48e-06
43	28	-8.23e-05	6.23e-03	0.05	1.07e-03	0.0	1.65e-06
43	29	-8.01e-05	5.28e-03	0.04	9.14e-04	0.0	1.60e-06
43	30	-8.86e-05	5.67e-03	0.05	9.84e-04	0.0	1.77e-06
43	31	-6.47e-05	4.52e-03	0.04	7.79e-04	0.0	1.30e-06
43	32	-7.33e-05	4.91e-03	0.04	8.50e-04	0.0	1.47e-06
43	33	-8.01e-05	5.28e-03	0.04	9.14e-04	0.0	1.60e-06
43	34	-8.86e-05	5.67e-03	0.05	9.84e-04	0.0	1.77e-06
43	35	-6.47e-05	4.52e-03	0.04	7.79e-04	0.0	1.30e-06
43	36	-7.33e-05	4.91e-03	0.04	8.50e-04	0.0	1.47e-06
43	37	-8.01e-05	5.28e-03	0.04	9.14e-04	0.0	1.60e-06
43	38	-8.86e-05	5.67e-03	0.05	9.84e-04	0.0	1.77e-06
43	39	-6.47e-05	4.52e-03	0.04	7.79e-04	0.0	1.30e-06
43	40	-7.33e-05	4.91e-03	0.04	8.50e-04	0.0	1.47e-06
43	41	-8.01e-05	5.28e-03	0.04	9.14e-04	0.0	1.60e-06
43	42	-8.86e-05	5.67e-03	0.05	9.84e-04	0.0	1.77e-06
43	43	-6.47e-05	4.52e-03	0.04	7.79e-04	0.0	1.30e-06
43	44	-7.33e-05	4.91e-03	0.04	8.50e-04	0.0	1.47e-06
43	45	-5.12e-05	2.53e-03	0.02	4.49e-04	0.0	1.02e-06
44	1	0.0	0.0	0.0	7.12e-04	0.0	1.21e-06
44	2	0.0	0.0	0.0	8.16e-04	0.0	1.43e-06
44	3	0.0	0.0	0.0	8.58e-04	0.0	1.33e-06
44	4	0.0	0.0	0.0	9.10e-04	0.0	1.44e-06
44	5	0.0	0.0	0.0	7.12e-04	0.0	1.21e-06
44	6	0.0	0.0	0.0	7.64e-04	0.0	1.32e-06
44	7	0.0	0.0	0.0	7.12e-04	0.0	1.21e-06
44	8	0.0	0.0	0.0	7.64e-04	0.0	1.32e-06
44	9	0.0	0.0	0.0	7.12e-04	0.0	1.21e-06
44	10	0.0	0.0	0.0	7.64e-04	0.0	1.32e-06
44	11	0.0	0.0	0.0	7.12e-04	0.0	1.21e-06
44	12	0.0	0.0	0.0	7.64e-04	0.0	1.32e-06
44	13	0.0	0.0	0.0	4.91e-04	0.0	1.02e-06
44	14	0.0	0.0	0.0	5.12e-04	0.0	1.07e-06
44	15	0.0	0.0	0.0	5.65e-04	0.0	1.09e-06
44	16	0.0	0.0	0.0	4.91e-04	0.0	1.02e-06
44	17	0.0	0.0	0.0	4.91e-04	0.0	1.02e-06
44	18	0.0	0.0	0.0	4.91e-04	0.0	1.02e-06
44	19	0.0	0.0	0.0	4.91e-04	0.0	1.02e-06
44	20	0.0	0.0	0.0	4.91e-04	0.0	1.02e-06
44	21	0.0	0.0	0.0	9.69e-04	0.0	1.60e-06
44	22	0.0	0.0	0.0	1.13e-03	0.0	1.95e-06
44	23	0.0	0.0	0.0	8.22e-04	0.0	1.30e-06
44	24	0.0	0.0	0.0	9.78e-04	0.0	1.64e-06
44	25	0.0	0.0	0.0	1.19e-03	0.0	1.78e-06
44	26	0.0	0.0	0.0	1.27e-03	0.0	1.96e-06
44	27	0.0	0.0	0.0	1.04e-03	0.0	1.48e-06
44	28	0.0	0.0	0.0	1.12e-03	0.0	1.65e-06
44	29	0.0	0.0	0.0	9.69e-04	0.0	1.60e-06
44	30	0.0	0.0	0.0	1.05e-03	0.0	1.77e-06
44	31	0.0	0.0	0.0	8.22e-04	0.0	1.30e-06
44	32	0.0	0.0	0.0	9.00e-04	0.0	1.47e-06
44	33	0.0	0.0	0.0	9.69e-04	0.0	1.60e-06
44	34	0.0	0.0	0.0	1.05e-03	0.0	1.77e-06
44	35	0.0	0.0	0.0	8.22e-04	0.0	1.30e-06
44	36	0.0	0.0	0.0	9.00e-04	0.0	1.47e-06
44	37	0.0	0.0	0.0	9.69e-04	0.0	1.60e-06
44	38	0.0	0.0	0.0	1.05e-03	0.0	1.77e-06
44	39	0.0	0.0	0.0	8.22e-04	0.0	1.30e-06
44	40	0.0	0.0	0.0	9.00e-04	0.0	1.47e-06
44	41	0.0	0.0	0.0	9.69e-04	0.0	1.60e-06
44	42	0.0	0.0	0.0	1.05e-03	0.0	1.77e-06
44	43	0.0	0.0	0.0	8.22e-04	0.0	1.30e-06
44	44	0.0	0.0	0.0	9.00e-04	0.0	1.47e-06
44	45	0.0	0.0	0.0	4.91e-04	0.0	1.02e-06
45	1	-6.02e-05	-8.56e-03	0.07	-1.45e-03	0.0	-1.20e-06



45	2	-7.16e-05	-0.01	0.09	-1.73e-03	0.0	-1.43e-06
45	3	-6.62e-05	-9.44e-03	0.08	-1.60e-03	0.0	-1.33e-06
45	4	-7.19e-05	-0.01	0.09	-1.74e-03	0.0	-1.44e-06
45	5	-6.02e-05	-8.56e-03	0.07	-1.45e-03	0.0	-1.20e-06
45	6	-6.59e-05	-9.39e-03	0.08	-1.59e-03	0.0	-1.32e-06
45	7	-6.02e-05	-8.56e-03	0.07	-1.45e-03	0.0	-1.20e-06
45	8	-6.59e-05	-9.39e-03	0.08	-1.59e-03	0.0	-1.32e-06
45	9	-6.02e-05	-8.56e-03	0.07	-1.45e-03	0.0	-1.20e-06
45	10	-6.59e-05	-9.39e-03	0.08	-1.59e-03	0.0	-1.32e-06
45	11	-6.02e-05	-8.56e-03	0.07	-1.45e-03	0.0	-1.20e-06
45	12	-6.59e-05	-9.39e-03	0.08	-1.59e-03	0.0	-1.32e-06
45	13	-5.11e-05	-7.23e-03	0.06	-1.23e-03	0.0	-1.02e-06
45	14	-5.34e-05	-7.57e-03	0.06	-1.29e-03	0.0	-1.07e-06
45	15	-5.41e-05	-7.67e-03	0.06	-1.31e-03	0.0	-1.08e-06
45	16	-5.11e-05	-7.23e-03	0.06	-1.23e-03	0.0	-1.02e-06
45	17	-5.11e-05	-7.23e-03	0.06	-1.23e-03	0.0	-1.02e-06
45	18	-5.11e-05	-7.23e-03	0.06	-1.23e-03	0.0	-1.02e-06
45	19	-5.11e-05	-7.23e-03	0.06	-1.23e-03	0.0	-1.02e-06
45	20	-5.11e-05	-7.23e-03	0.06	-1.23e-03	0.0	-1.02e-06
45	21	-8.00e-05	-0.01	0.09	-1.93e-03	0.0	-1.60e-06
45	22	-9.71e-05	-0.01	0.12	-2.36e-03	0.0	-1.95e-06
45	23	-6.47e-05	-9.22e-03	0.08	-1.56e-03	0.0	-1.30e-06
45	24	-8.18e-05	-0.01	0.10	-1.99e-03	0.0	-1.64e-06
45	25	-8.90e-05	-0.01	0.11	-2.15e-03	0.0	-1.78e-06
45	26	-9.76e-05	-0.01	0.12	-2.36e-03	0.0	-1.95e-06
45	27	-7.37e-05	-0.01	0.09	-1.78e-03	0.0	-1.48e-06
45	28	-8.22e-05	-0.01	0.10	-1.99e-03	0.0	-1.65e-06
45	29	-8.00e-05	-0.01	0.09	-1.93e-03	0.0	-1.60e-06
45	30	-8.86e-05	-0.01	0.11	-2.14e-03	0.0	-1.77e-06
45	31	-6.47e-05	-9.22e-03	0.08	-1.56e-03	0.0	-1.30e-06
45	32	-7.32e-05	-0.01	0.09	-1.77e-03	0.0	-1.47e-06
45	33	-8.00e-05	-0.01	0.09	-1.93e-03	0.0	-1.60e-06
45	34	-8.86e-05	-0.01	0.11	-2.14e-03	0.0	-1.77e-06
45	35	-6.47e-05	-9.22e-03	0.08	-1.56e-03	0.0	-1.30e-06
45	36	-7.32e-05	-0.01	0.09	-1.77e-03	0.0	-1.47e-06
45	37	-8.00e-05	-0.01	0.09	-1.93e-03	0.0	-1.60e-06
45	38	-8.86e-05	-0.01	0.11	-2.14e-03	0.0	-1.77e-06
45	39	-6.47e-05	-9.22e-03	0.08	-1.56e-03	0.0	-1.30e-06
45	40	-7.32e-05	-0.01	0.09	-1.77e-03	0.0	-1.47e-06
45	41	-8.00e-05	-0.01	0.09	-1.93e-03	0.0	-1.60e-06
45	42	-8.86e-05	-0.01	0.11	-2.14e-03	0.0	-1.77e-06
45	43	-6.47e-05	-9.22e-03	0.08	-1.56e-03	0.0	-1.30e-06
45	44	-7.32e-05	-0.01	0.09	-1.77e-03	0.0	-1.47e-06
45	45	-5.11e-05	-7.23e-03	0.06	-1.23e-03	0.0	-1.02e-06
46	1	0.0	0.0	0.0	-1.45e-03	-1.77e-06	-3.91e-06
46	2	0.0	0.0	0.0	-1.74e-03	-1.78e-06	-4.62e-06
46	3	0.0	0.0	0.0	-1.58e-03	-1.78e-06	-4.33e-06
46	4	0.0	0.0	0.0	-1.72e-03	-1.79e-06	-4.69e-06
46	5	0.0	0.0	0.0	-1.45e-03	-1.77e-06	-3.91e-06
46	6	0.0	0.0	0.0	-1.59e-03	-1.78e-06	-4.27e-06
46	7	0.0	0.0	0.0	-1.45e-03	-1.77e-06	-3.91e-06
46	8	0.0	0.0	0.0	-1.59e-03	-1.78e-06	-4.27e-06
46	9	0.0	0.0	0.0	-1.45e-03	-1.77e-06	-3.91e-06
46	10	0.0	0.0	0.0	-1.59e-03	-1.78e-06	-4.27e-06
46	11	0.0	0.0	0.0	-1.45e-03	-1.77e-06	-3.91e-06
46	12	0.0	0.0	0.0	-1.59e-03	-1.78e-06	-4.27e-06
46	13	0.0	0.0	0.0	-1.25e-03	-1.76e-06	-3.28e-06
46	14	0.0	0.0	0.0	-1.31e-03	-1.76e-06	-3.42e-06
46	15	0.0	0.0	0.0	-1.32e-03	-1.76e-06	-3.49e-06
46	16	0.0	0.0	0.0	-1.25e-03	-1.76e-06	-3.28e-06
46	17	0.0	0.0	0.0	-1.25e-03	-1.76e-06	-3.28e-06
46	18	0.0	0.0	0.0	-1.25e-03	-1.76e-06	-3.28e-06
46	19	0.0	0.0	0.0	-1.25e-03	-1.76e-06	-3.28e-06
46	20	0.0	0.0	0.0	-1.25e-03	-1.76e-06	-3.28e-06
46	21	0.0	0.0	0.0	-1.92e-03	-2.30e-06	-5.21e-06
46	22	0.0	0.0	0.0	-2.36e-03	-2.32e-06	-6.28e-06
46	23	0.0	0.0	0.0	-1.55e-03	-1.78e-06	-4.23e-06
46	24	0.0	0.0	0.0	-1.98e-03	-1.80e-06	-5.30e-06
46	25	0.0	0.0	0.0	-2.12e-03	-2.32e-06	-5.85e-06
46	26	0.0	0.0	0.0	-2.34e-03	-2.33e-06	-6.38e-06
46	27	0.0	0.0	0.0	-1.74e-03	-1.79e-06	-4.86e-06
46	28	0.0	0.0	0.0	-1.96e-03	-1.80e-06	-5.40e-06
46	29	0.0	0.0	0.0	-1.92e-03	-2.30e-06	-5.21e-06
46	30	0.0	0.0	0.0	-2.14e-03	-2.31e-06	-5.74e-06
46	31	0.0	0.0	0.0	-1.55e-03	-1.78e-06	-4.23e-06
46	32	0.0	0.0	0.0	-1.76e-03	-1.79e-06	-4.76e-06
46	33	0.0	0.0	0.0	-1.92e-03	-2.30e-06	-5.21e-06



46	34	0.0	0.0	0.0	-2.14e-03	-2.31e-06	-5.74e-06
46	35	0.0	0.0	0.0	-1.55e-03	-1.78e-06	-4.23e-06
46	36	0.0	0.0	0.0	-1.76e-03	-1.79e-06	-4.76e-06
46	37	0.0	0.0	0.0	-1.92e-03	-2.30e-06	-5.21e-06
46	38	0.0	0.0	0.0	-2.14e-03	-2.31e-06	-5.74e-06
46	39	0.0	0.0	0.0	-1.55e-03	-1.78e-06	-4.23e-06
46	40	0.0	0.0	0.0	-1.76e-03	-1.79e-06	-4.76e-06
46	41	0.0	0.0	0.0	-1.92e-03	-2.30e-06	-5.21e-06
46	42	0.0	0.0	0.0	-2.14e-03	-2.31e-06	-5.74e-06
46	43	0.0	0.0	0.0	-1.55e-03	-1.78e-06	-4.23e-06
46	44	0.0	0.0	0.0	-1.76e-03	-1.79e-06	-4.76e-06
46	45	0.0	0.0	0.0	-1.25e-03	-1.76e-06	-3.28e-06
47	1	0.0	0.0	0.0	4.75e-04	-4.40e-04	0.0
47	2	0.0	0.0	0.0	5.89e-04	-5.20e-04	0.0
47	3	0.0	0.0	0.0	4.75e-04	-4.87e-04	0.0
47	4	0.0	0.0	0.0	5.32e-04	-5.28e-04	0.0
47	5	0.0	0.0	0.0	4.75e-04	-4.40e-04	0.0
47	6	0.0	0.0	0.0	5.32e-04	-4.80e-04	0.0
47	7	0.0	0.0	0.0	4.75e-04	-4.40e-04	0.0
47	8	0.0	0.0	0.0	5.32e-04	-4.80e-04	0.0
47	9	0.0	0.0	0.0	4.75e-04	-4.40e-04	0.0
47	10	0.0	0.0	0.0	5.32e-04	-4.80e-04	0.0
47	11	0.0	0.0	0.0	4.75e-04	-4.40e-04	0.0
47	12	0.0	0.0	0.0	5.32e-04	-4.80e-04	0.0
47	13	0.0	0.0	0.0	4.75e-04	-3.68e-04	0.0
47	14	0.0	0.0	0.0	4.97e-04	-3.84e-04	0.0
47	15	0.0	0.0	0.0	4.75e-04	-3.92e-04	0.0
47	16	0.0	0.0	0.0	4.75e-04	-3.68e-04	0.0
47	17	0.0	0.0	0.0	4.75e-04	-3.68e-04	0.0
47	18	0.0	0.0	0.0	4.75e-04	-3.68e-04	0.0
47	19	0.0	0.0	0.0	4.75e-04	-3.68e-04	0.0
47	20	0.0	0.0	0.0	4.75e-04	-3.68e-04	0.0
47	21	0.0	0.0	0.0	6.17e-04	-5.86e-04	0.0
47	22	0.0	0.0	0.0	7.88e-04	-7.07e-04	0.0
47	23	0.0	0.0	0.0	4.75e-04	-4.76e-04	0.0
47	24	0.0	0.0	0.0	6.46e-04	-5.97e-04	0.0
47	25	0.0	0.0	0.0	6.17e-04	-6.58e-04	0.0
47	26	0.0	0.0	0.0	7.03e-04	-7.18e-04	0.0
47	27	0.0	0.0	0.0	4.75e-04	-5.47e-04	0.0
47	28	0.0	0.0	0.0	5.60e-04	-6.08e-04	0.0
47	29	0.0	0.0	0.0	6.17e-04	-5.86e-04	0.0
47	30	0.0	0.0	0.0	7.03e-04	-6.47e-04	0.0
47	31	0.0	0.0	0.0	4.75e-04	-4.76e-04	0.0
47	32	0.0	0.0	0.0	5.60e-04	-5.36e-04	0.0
47	33	0.0	0.0	0.0	6.17e-04	-5.86e-04	0.0
47	34	0.0	0.0	0.0	7.03e-04	-6.47e-04	0.0
47	35	0.0	0.0	0.0	4.75e-04	-4.76e-04	0.0
47	36	0.0	0.0	0.0	5.60e-04	-5.36e-04	0.0
47	37	0.0	0.0	0.0	6.17e-04	-5.86e-04	0.0
47	38	0.0	0.0	0.0	7.03e-04	-6.47e-04	0.0
47	39	0.0	0.0	0.0	4.75e-04	-4.76e-04	0.0
47	40	0.0	0.0	0.0	5.60e-04	-5.36e-04	0.0
47	41	0.0	0.0	0.0	6.17e-04	-5.86e-04	0.0
47	42	0.0	0.0	0.0	7.03e-04	-6.47e-04	0.0
47	43	0.0	0.0	0.0	4.75e-04	-4.76e-04	0.0
47	44	0.0	0.0	0.0	5.60e-04	-5.36e-04	0.0
47	45	0.0	0.0	0.0	4.75e-04	-3.68e-04	0.0
48	1	-1.85e-04	2.88e-03	0.02	4.94e-04	-1.77e-06	3.91e-06
48	2	-2.20e-04	3.23e-03	0.03	5.55e-04	-1.78e-06	4.62e-06
48	3	-2.06e-04	3.67e-03	0.03	6.25e-04	-1.78e-06	4.33e-06
48	4	-2.24e-04	3.84e-03	0.03	6.56e-04	-1.79e-06	4.69e-06
48	5	-1.85e-04	2.88e-03	0.02	4.94e-04	-1.77e-06	3.91e-06
48	6	-2.03e-04	3.06e-03	0.03	5.24e-04	-1.78e-06	4.26e-06
48	7	-1.85e-04	2.88e-03	0.02	4.94e-04	-1.77e-06	3.91e-06
48	8	-2.03e-04	3.06e-03	0.03	5.24e-04	-1.78e-06	4.26e-06
48	9	-1.85e-04	2.88e-03	0.02	4.94e-04	-1.77e-06	3.91e-06
48	10	-2.03e-04	3.06e-03	0.03	5.24e-04	-1.78e-06	4.26e-06
48	11	-1.85e-04	2.88e-03	0.02	4.94e-04	-1.77e-06	3.91e-06
48	12	-2.03e-04	3.06e-03	0.03	5.24e-04	-1.78e-06	4.26e-06
48	13	-1.53e-04	1.70e-03	0.01	2.97e-04	-1.76e-06	3.27e-06
48	14	-1.60e-04	1.77e-03	0.01	3.09e-04	-1.76e-06	3.42e-06
48	15	-1.64e-04	2.10e-03	0.02	3.63e-04	-1.76e-06	3.49e-06
48	16	-1.53e-04	1.70e-03	0.01	2.97e-04	-1.76e-06	3.27e-06
48	17	-1.53e-04	1.70e-03	0.01	2.97e-04	-1.76e-06	3.27e-06
48	18	-1.53e-04	1.70e-03	0.01	2.97e-04	-1.76e-06	3.27e-06
48	19	-1.53e-04	1.70e-03	0.01	2.97e-04	-1.76e-06	3.27e-06
48	20	-1.53e-04	1.70e-03	0.01	2.97e-04	-1.76e-06	3.27e-06



48	21	-2.47e-04	3.98e-03	0.03	6.82e-04	-2.30e-06	5.21e-06
48	22	-3.00e-04	4.50e-03	0.04	7.73e-04	-2.33e-06	6.27e-06
48	23	-2.01e-04	3.47e-03	0.03	5.92e-04	-1.78e-06	4.23e-06
48	24	-2.54e-04	3.99e-03	0.03	6.83e-04	-1.80e-06	5.29e-06
48	25	-2.78e-04	5.16e-03	0.04	8.78e-04	-2.32e-06	5.84e-06
48	26	-3.05e-04	5.42e-03	0.05	9.24e-04	-2.33e-06	6.38e-06
48	27	-2.32e-04	4.65e-03	0.04	7.89e-04	-1.79e-06	4.86e-06
48	28	-2.59e-04	4.91e-03	0.04	8.35e-04	-1.80e-06	5.39e-06
48	29	-2.47e-04	3.98e-03	0.03	6.82e-04	-2.30e-06	5.21e-06
48	30	-2.73e-04	4.24e-03	0.04	7.27e-04	-2.31e-06	5.74e-06
48	31	-2.01e-04	3.47e-03	0.03	5.92e-04	-1.78e-06	4.23e-06
48	32	-2.27e-04	3.73e-03	0.03	6.38e-04	-1.79e-06	4.76e-06
48	33	-2.47e-04	3.98e-03	0.03	6.82e-04	-2.30e-06	5.21e-06
48	34	-2.73e-04	4.24e-03	0.04	7.27e-04	-2.31e-06	5.74e-06
48	35	-2.01e-04	3.47e-03	0.03	5.92e-04	-1.78e-06	4.23e-06
48	36	-2.27e-04	3.73e-03	0.03	6.38e-04	-1.79e-06	4.76e-06
48	37	-2.47e-04	3.98e-03	0.03	6.82e-04	-2.30e-06	5.21e-06
48	38	-2.73e-04	4.24e-03	0.04	7.27e-04	-2.31e-06	5.74e-06
48	39	-2.01e-04	3.47e-03	0.03	5.92e-04	-1.78e-06	4.23e-06
48	40	-2.27e-04	3.73e-03	0.03	6.38e-04	-1.79e-06	4.76e-06
48	41	-2.47e-04	3.98e-03	0.03	6.82e-04	-2.30e-06	5.21e-06
48	42	-2.73e-04	4.24e-03	0.04	7.27e-04	-2.31e-06	5.74e-06
48	43	-2.01e-04	3.47e-03	0.03	5.92e-04	-1.78e-06	4.23e-06
48	44	-2.27e-04	3.73e-03	0.03	6.38e-04	-1.79e-06	4.76e-06
48	45	-1.53e-04	1.70e-03	0.01	2.97e-04	-1.76e-06	3.27e-06
49	1	0.0	0.0	0.0	5.16e-04	-1.77e-06	3.91e-06
49	2	0.0	0.0	0.0	5.82e-04	-1.78e-06	4.62e-06
49	3	0.0	0.0	0.0	6.48e-04	-1.78e-06	4.33e-06
49	4	0.0	0.0	0.0	6.80e-04	-1.79e-06	4.69e-06
49	5	0.0	0.0	0.0	5.16e-04	-1.77e-06	3.91e-06
49	6	0.0	0.0	0.0	5.49e-04	-1.78e-06	4.26e-06
49	7	0.0	0.0	0.0	5.16e-04	-1.77e-06	3.91e-06
49	8	0.0	0.0	0.0	5.49e-04	-1.78e-06	4.26e-06
49	9	0.0	0.0	0.0	5.16e-04	-1.77e-06	3.91e-06
49	10	0.0	0.0	0.0	5.49e-04	-1.78e-06	4.26e-06
49	11	0.0	0.0	0.0	5.16e-04	-1.77e-06	3.91e-06
49	12	0.0	0.0	0.0	5.49e-04	-1.78e-06	4.26e-06
49	13	0.0	0.0	0.0	3.20e-04	-1.76e-06	3.27e-06
49	14	0.0	0.0	0.0	3.33e-04	-1.76e-06	3.42e-06
49	15	0.0	0.0	0.0	3.85e-04	-1.76e-06	3.49e-06
49	16	0.0	0.0	0.0	3.20e-04	-1.76e-06	3.27e-06
49	17	0.0	0.0	0.0	3.20e-04	-1.76e-06	3.27e-06
49	18	0.0	0.0	0.0	3.20e-04	-1.76e-06	3.27e-06
49	19	0.0	0.0	0.0	3.20e-04	-1.76e-06	3.27e-06
49	20	0.0	0.0	0.0	3.20e-04	-1.76e-06	3.27e-06
49	21	0.0	0.0	0.0	7.11e-04	-2.30e-06	5.21e-06
49	22	0.0	0.0	0.0	8.09e-04	-2.33e-06	6.27e-06
49	23	0.0	0.0	0.0	6.15e-04	-1.78e-06	4.23e-06
49	24	0.0	0.0	0.0	7.13e-04	-1.80e-06	5.29e-06
49	25	0.0	0.0	0.0	9.07e-04	-2.32e-06	5.84e-06
49	26	0.0	0.0	0.0	9.57e-04	-2.33e-06	6.38e-06
49	27	0.0	0.0	0.0	8.11e-04	-1.79e-06	4.86e-06
49	28	0.0	0.0	0.0	8.61e-04	-1.80e-06	5.39e-06
49	29	0.0	0.0	0.0	7.11e-04	-2.30e-06	5.21e-06
49	30	0.0	0.0	0.0	7.60e-04	-2.31e-06	5.74e-06
49	31	0.0	0.0	0.0	6.15e-04	-1.78e-06	4.23e-06
49	32	0.0	0.0	0.0	6.64e-04	-1.79e-06	4.76e-06
49	33	0.0	0.0	0.0	7.11e-04	-2.30e-06	5.21e-06
49	34	0.0	0.0	0.0	7.60e-04	-2.31e-06	5.74e-06
49	35	0.0	0.0	0.0	6.15e-04	-1.78e-06	4.23e-06
49	36	0.0	0.0	0.0	6.64e-04	-1.79e-06	4.76e-06
49	37	0.0	0.0	0.0	7.11e-04	-2.30e-06	5.21e-06
49	38	0.0	0.0	0.0	7.60e-04	-2.31e-06	5.74e-06
49	39	0.0	0.0	0.0	6.15e-04	-1.78e-06	4.23e-06
49	40	0.0	0.0	0.0	6.64e-04	-1.79e-06	4.76e-06
49	41	0.0	0.0	0.0	7.11e-04	-2.30e-06	5.21e-06
49	42	0.0	0.0	0.0	7.60e-04	-2.31e-06	5.74e-06
49	43	0.0	0.0	0.0	6.15e-04	-1.78e-06	4.23e-06
49	44	0.0	0.0	0.0	6.64e-04	-1.79e-06	4.76e-06
49	45	0.0	0.0	0.0	3.20e-04	-1.76e-06	3.27e-06
50	1	-1.85e-04	-8.47e-03	0.07	-1.43e-03	-1.77e-06	-3.91e-06
50	2	-2.20e-04	-0.01	0.08	-1.71e-03	-1.78e-06	-4.62e-06
50	3	-2.06e-04	-9.26e-03	0.08	-1.56e-03	-1.78e-06	-4.33e-06
50	4	-2.24e-04	-0.01	0.08	-1.70e-03	-1.79e-06	-4.69e-06
50	5	-1.85e-04	-8.47e-03	0.07	-1.43e-03	-1.77e-06	-3.91e-06
50	6	-2.03e-04	-9.31e-03	0.08	-1.57e-03	-1.78e-06	-4.27e-06
50	7	-1.85e-04	-8.47e-03	0.07	-1.43e-03	-1.77e-06	-3.91e-06



50	8	-2.03e-04	-9.31e-03	0.08	-1.57e-03	-1.78e-06	-4.27e-06
50	9	-1.85e-04	-8.47e-03	0.07	-1.43e-03	-1.77e-06	-3.91e-06
50	10	-2.03e-04	-9.31e-03	0.08	-1.57e-03	-1.78e-06	-4.27e-06
50	11	-1.85e-04	-8.47e-03	0.07	-1.43e-03	-1.77e-06	-3.91e-06
50	12	-2.03e-04	-9.31e-03	0.08	-1.57e-03	-1.78e-06	-4.27e-06
50	13	-1.53e-04	-7.29e-03	0.06	-1.23e-03	-1.76e-06	-3.28e-06
50	14	-1.60e-04	-7.63e-03	0.06	-1.29e-03	-1.76e-06	-3.42e-06
50	15	-1.64e-04	-7.68e-03	0.06	-1.29e-03	-1.76e-06	-3.49e-06
50	16	-1.53e-04	-7.29e-03	0.06	-1.23e-03	-1.76e-06	-3.28e-06
50	17	-1.53e-04	-7.29e-03	0.06	-1.23e-03	-1.76e-06	-3.28e-06
50	18	-1.53e-04	-7.29e-03	0.06	-1.23e-03	-1.76e-06	-3.28e-06
50	19	-1.53e-04	-7.29e-03	0.06	-1.23e-03	-1.76e-06	-3.28e-06
50	20	-1.53e-04	-7.29e-03	0.06	-1.23e-03	-1.76e-06	-3.28e-06
50	21	-2.47e-04	-0.01	0.09	-1.89e-03	-2.30e-06	-5.21e-06
50	22	-3.00e-04	-0.01	0.11	-2.32e-03	-2.32e-06	-6.28e-06
50	23	-2.01e-04	-9.06e-03	0.08	-1.52e-03	-1.78e-06	-4.23e-06
50	24	-2.54e-04	-0.01	0.10	-1.95e-03	-1.80e-06	-5.30e-06
50	25	-2.78e-04	-0.01	0.10	-2.09e-03	-2.32e-06	-5.85e-06
50	26	-3.05e-04	-0.01	0.11	-2.30e-03	-2.33e-06	-6.38e-06
50	27	-2.32e-04	-0.01	0.09	-1.72e-03	-1.79e-06	-4.86e-06
50	28	-2.59e-04	-0.01	0.10	-1.93e-03	-1.80e-06	-5.40e-06
50	29	-2.47e-04	-0.01	0.09	-1.89e-03	-2.30e-06	-5.21e-06
50	30	-2.73e-04	-0.01	0.10	-2.11e-03	-2.31e-06	-5.74e-06
50	31	-2.01e-04	-9.06e-03	0.08	-1.52e-03	-1.78e-06	-4.23e-06
50	32	-2.27e-04	-0.01	0.09	-1.74e-03	-1.79e-06	-4.76e-06
50	33	-2.47e-04	-0.01	0.09	-1.89e-03	-2.30e-06	-5.21e-06
50	34	-2.73e-04	-0.01	0.10	-2.11e-03	-2.31e-06	-5.74e-06
50	35	-2.01e-04	-9.06e-03	0.08	-1.52e-03	-1.78e-06	-4.23e-06
50	36	-2.27e-04	-0.01	0.09	-1.74e-03	-1.79e-06	-4.76e-06
50	37	-2.47e-04	-0.01	0.09	-1.89e-03	-2.30e-06	-5.21e-06
50	38	-2.73e-04	-0.01	0.10	-2.11e-03	-2.31e-06	-5.74e-06
50	39	-2.01e-04	-9.06e-03	0.08	-1.52e-03	-1.78e-06	-4.23e-06
50	40	-2.27e-04	-0.01	0.09	-1.74e-03	-1.79e-06	-4.76e-06
50	41	-2.47e-04	-0.01	0.09	-1.89e-03	-2.30e-06	-5.21e-06
50	42	-2.73e-04	-0.01	0.10	-2.11e-03	-2.31e-06	-5.74e-06
50	43	-2.01e-04	-9.06e-03	0.08	-1.52e-03	-1.78e-06	-4.23e-06
50	44	-2.27e-04	-0.01	0.09	-1.74e-03	-1.79e-06	-4.76e-06
50	45	-1.53e-04	-7.29e-03	0.06	-1.23e-03	-1.76e-06	-3.28e-06

Nodo	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
	-3.05e-04	-0.01	-0.12	-2.43e-03	-7.18e-04	-6.38e-06
	3.05e-04	0.01	0.12	2.43e-03	7.18e-04	6.38e-06

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		kN	kN	kN	kN m	kN m	kN m
1	1	-0.04	-0.26	-2.59	0.0	0.0	0.0
1	2	-0.04	-0.30	-3.03	0.0	0.0	0.0
1	3	-0.04	-0.29	-2.90	0.0	0.0	0.0
1	4	-0.05	-0.31	-3.13	0.0	0.0	0.0
1	5	-0.04	-0.26	-2.59	0.0	0.0	0.0
1	6	-0.04	-0.28	-2.81	0.0	0.0	0.0
1	7	-0.04	-0.26	-2.59	0.0	0.0	0.0
1	8	-0.04	-0.28	-2.81	0.0	0.0	0.0
1	9	-0.04	-0.26	-2.59	0.0	0.0	0.0
1	10	-0.04	-0.28	-2.81	0.0	0.0	0.0
1	11	-0.04	-0.26	-2.59	0.0	0.0	0.0
1	12	-0.04	-0.28	-2.81	0.0	0.0	0.0
1	13	-0.03	-0.21	-2.11	0.0	0.0	0.0
1	14	-0.03	-0.22	-2.20	0.0	0.0	0.0
1	15	-0.03	-0.23	-2.27	0.0	0.0	0.0
1	16	-0.03	-0.21	-2.11	0.0	0.0	0.0
1	17	-0.03	-0.21	-2.11	0.0	0.0	0.0
1	18	-0.03	-0.21	-2.11	0.0	0.0	0.0
1	19	-0.03	-0.21	-2.11	0.0	0.0	0.0
1	20	-0.03	-0.21	-2.11	0.0	0.0	0.0
1	21	-0.05	-0.35	-3.46	0.0	0.0	0.0
1	22	-0.06	-0.42	-4.12	0.0	0.0	0.0
1	23	-0.04	-0.28	-2.83	0.0	0.0	0.0
1	24	-0.05	-0.35	-3.49	0.0	0.0	0.0
1	25	-0.06	-0.39	-3.93	0.0	0.0	0.0
1	26	-0.06	-0.43	-4.27	0.0	0.0	0.0
1	27	-0.05	-0.33	-3.30	0.0	0.0	0.0
1	28	-0.05	-0.37	-3.63	0.0	0.0	0.0
1	29	-0.05	-0.35	-3.46	0.0	0.0	0.0
1	30	-0.06	-0.38	-3.79	0.0	0.0	0.0
1	31	-0.04	-0.28	-2.83	0.0	0.0	0.0



1	32	-0.05	-0.32	-3.16	0.0	0.0	0.0
1	33	-0.05	-0.35	-3.46	0.0	0.0	0.0
1	34	-0.06	-0.38	-3.79	0.0	0.0	0.0
1	35	-0.04	-0.28	-2.83	0.0	0.0	0.0
1	36	-0.05	-0.32	-3.16	0.0	0.0	0.0
1	37	-0.05	-0.35	-3.46	0.0	0.0	0.0
1	38	-0.06	-0.38	-3.79	0.0	0.0	0.0
1	39	-0.04	-0.28	-2.83	0.0	0.0	0.0
1	40	-0.05	-0.32	-3.16	0.0	0.0	0.0
1	41	-0.05	-0.35	-3.46	0.0	0.0	0.0
1	42	-0.06	-0.38	-3.79	0.0	0.0	0.0
1	43	-0.04	-0.28	-2.83	0.0	0.0	0.0
1	44	-0.05	-0.32	-3.16	0.0	0.0	0.0
1	45	-0.03	-0.21	-2.11	0.0	0.0	0.0
2	1	0.14	4.24e-03	-9.97	0.0	0.0	0.0
2	2	0.16	5.26e-03	-11.78	0.0	0.0	0.0
2	3	0.15	4.24e-03	-11.20	0.0	0.0	0.0
2	4	0.16	4.75e-03	-12.10	0.0	0.0	0.0
2	5	0.14	4.24e-03	-9.97	0.0	0.0	0.0
2	6	0.15	4.75e-03	-10.88	0.0	0.0	0.0
2	7	0.14	4.24e-03	-9.97	0.0	0.0	0.0
2	8	0.15	4.75e-03	-10.88	0.0	0.0	0.0
2	9	0.14	4.24e-03	-9.97	0.0	0.0	0.0
2	10	0.15	4.75e-03	-10.88	0.0	0.0	0.0
2	11	0.14	4.24e-03	-9.97	0.0	0.0	0.0
2	12	0.15	4.75e-03	-10.88	0.0	0.0	0.0
2	13	0.11	4.24e-03	-8.14	0.0	0.0	0.0
2	14	0.12	4.45e-03	-8.50	0.0	0.0	0.0
2	15	0.12	4.24e-03	-8.75	0.0	0.0	0.0
2	16	0.11	4.24e-03	-8.14	0.0	0.0	0.0
2	17	0.11	4.24e-03	-8.14	0.0	0.0	0.0
2	18	0.11	4.24e-03	-8.14	0.0	0.0	0.0
2	19	0.11	4.24e-03	-8.14	0.0	0.0	0.0
2	20	0.11	4.24e-03	-8.14	0.0	0.0	0.0
2	21	0.18	5.52e-03	-13.33	0.0	0.0	0.0
2	22	0.22	7.05e-03	-16.04	0.0	0.0	0.0
2	23	0.15	4.24e-03	-10.89	0.0	0.0	0.0
2	24	0.18	5.78e-03	-13.60	0.0	0.0	0.0
2	25	0.20	5.52e-03	-15.17	0.0	0.0	0.0
2	26	0.22	6.28e-03	-16.53	0.0	0.0	0.0
2	27	0.17	4.24e-03	-12.73	0.0	0.0	0.0
2	28	0.19	5.01e-03	-14.08	0.0	0.0	0.0
2	29	0.18	5.52e-03	-13.33	0.0	0.0	0.0
2	30	0.20	6.28e-03	-14.69	0.0	0.0	0.0
2	31	0.15	4.24e-03	-10.89	0.0	0.0	0.0
2	32	0.17	5.01e-03	-12.25	0.0	0.0	0.0
2	33	0.18	5.52e-03	-13.33	0.0	0.0	0.0
2	34	0.20	6.28e-03	-14.69	0.0	0.0	0.0
2	35	0.15	4.24e-03	-10.89	0.0	0.0	0.0
2	36	0.17	5.01e-03	-12.25	0.0	0.0	0.0
2	37	0.18	5.52e-03	-13.33	0.0	0.0	0.0
2	38	0.20	6.28e-03	-14.69	0.0	0.0	0.0
2	39	0.15	4.24e-03	-10.89	0.0	0.0	0.0
2	40	0.17	5.01e-03	-12.25	0.0	0.0	0.0
2	41	0.18	5.52e-03	-13.33	0.0	0.0	0.0
2	42	0.20	6.28e-03	-14.69	0.0	0.0	0.0
2	43	0.15	4.24e-03	-10.89	0.0	0.0	0.0
2	44	0.17	5.01e-03	-12.25	0.0	0.0	0.0
2	45	0.11	4.24e-03	-8.14	0.0	0.0	0.0
4	1	-0.04	0.25	-4.38	0.0	0.0	0.0
4	2	-0.04	0.30	-5.25	0.0	0.0	0.0
4	3	-0.04	0.29	-4.69	0.0	0.0	0.0
4	4	-0.05	0.31	-5.13	0.0	0.0	0.0
4	5	-0.04	0.25	-4.38	0.0	0.0	0.0
4	6	-0.04	0.28	-4.81	0.0	0.0	0.0
4	7	-0.04	0.25	-4.38	0.0	0.0	0.0
4	8	-0.04	0.28	-4.81	0.0	0.0	0.0
4	9	-0.04	0.25	-4.38	0.0	0.0	0.0
4	10	-0.04	0.28	-4.81	0.0	0.0	0.0
4	11	-0.04	0.25	-4.38	0.0	0.0	0.0
4	12	-0.04	0.28	-4.81	0.0	0.0	0.0
4	13	-0.03	0.21	-3.90	0.0	0.0	0.0
4	14	-0.03	0.21	-4.08	0.0	0.0	0.0
4	15	-0.03	0.22	-4.06	0.0	0.0	0.0
4	16	-0.03	0.21	-3.90	0.0	0.0	0.0
4	17	-0.03	0.21	-3.90	0.0	0.0	0.0
4	18	-0.03	0.21	-3.90	0.0	0.0	0.0



4	19	-0.03	0.21	-3.90	0.0	0.0	0.0
4	20	-0.03	0.21	-3.90	0.0	0.0	0.0
4	21	-0.05	0.34	-5.78	0.0	0.0	0.0
4	22	-0.06	0.41	-7.10	0.0	0.0	0.0
4	23	-0.04	0.28	-4.61	0.0	0.0	0.0
4	24	-0.05	0.35	-5.92	0.0	0.0	0.0
4	25	-0.06	0.39	-6.26	0.0	0.0	0.0
4	26	-0.06	0.42	-6.91	0.0	0.0	0.0
4	27	-0.05	0.33	-5.09	0.0	0.0	0.0
4	28	-0.05	0.36	-5.74	0.0	0.0	0.0
4	29	-0.05	0.34	-5.78	0.0	0.0	0.0
4	30	-0.06	0.37	-6.44	0.0	0.0	0.0
4	31	-0.04	0.28	-4.61	0.0	0.0	0.0
4	32	-0.05	0.31	-5.27	0.0	0.0	0.0
4	33	-0.05	0.34	-5.78	0.0	0.0	0.0
4	34	-0.06	0.37	-6.44	0.0	0.0	0.0
4	35	-0.04	0.28	-4.61	0.0	0.0	0.0
4	36	-0.05	0.31	-5.27	0.0	0.0	0.0
4	37	-0.05	0.34	-5.78	0.0	0.0	0.0
4	38	-0.06	0.37	-6.44	0.0	0.0	0.0
4	39	-0.04	0.28	-4.61	0.0	0.0	0.0
4	40	-0.05	0.31	-5.27	0.0	0.0	0.0
4	41	-0.05	0.34	-5.78	0.0	0.0	0.0
4	42	-0.06	0.37	-6.44	0.0	0.0	0.0
4	43	-0.04	0.28	-4.61	0.0	0.0	0.0
4	44	-0.05	0.31	-5.27	0.0	0.0	0.0
4	45	-0.03	0.21	-3.90	0.0	0.0	0.0
6	1	-0.03	-11.98	-6.77	0.0	0.0	0.0
6	2	-0.03	-14.18	-7.99	0.0	0.0	0.0
6	3	-0.03	-13.29	-7.46	0.0	0.0	0.0
6	4	-0.03	-14.39	-8.07	0.0	0.0	0.0
6	5	-0.03	-11.98	-6.77	0.0	0.0	0.0
6	6	-0.03	-13.08	-7.38	0.0	0.0	0.0
6	7	-0.03	-11.98	-6.77	0.0	0.0	0.0
6	8	-0.03	-13.08	-7.38	0.0	0.0	0.0
6	9	-0.03	-11.98	-6.77	0.0	0.0	0.0
6	10	-0.03	-13.08	-7.38	0.0	0.0	0.0
6	11	-0.03	-11.98	-6.77	0.0	0.0	0.0
6	12	-0.03	-13.08	-7.38	0.0	0.0	0.0
6	13	-0.02	-10.01	-5.74	0.0	0.0	0.0
6	14	-0.03	-10.45	-5.99	0.0	0.0	0.0
6	15	-0.03	-10.67	-6.09	0.0	0.0	0.0
6	16	-0.02	-10.01	-5.74	0.0	0.0	0.0
6	17	-0.02	-10.01	-5.74	0.0	0.0	0.0
6	18	-0.02	-10.01	-5.74	0.0	0.0	0.0
6	19	-0.02	-10.01	-5.74	0.0	0.0	0.0
6	20	-0.02	-10.01	-5.74	0.0	0.0	0.0
6	21	-0.04	-15.96	-9.01	0.0	0.0	0.0
6	22	-0.05	-19.27	-10.84	0.0	0.0	0.0
6	23	-0.03	-12.96	-7.29	0.0	0.0	0.0
6	24	-0.04	-16.27	-9.12	0.0	0.0	0.0
6	25	-0.04	-17.93	-10.04	0.0	0.0	0.0
6	26	-0.05	-19.58	-10.96	0.0	0.0	0.0
6	27	-0.04	-14.93	-8.32	0.0	0.0	0.0
6	28	-0.04	-16.58	-9.23	0.0	0.0	0.0
6	29	-0.04	-15.96	-9.01	0.0	0.0	0.0
6	30	-0.04	-17.62	-9.93	0.0	0.0	0.0
6	31	-0.03	-12.96	-7.29	0.0	0.0	0.0
6	32	-0.04	-14.61	-8.20	0.0	0.0	0.0
6	33	-0.04	-15.96	-9.01	0.0	0.0	0.0
6	34	-0.04	-17.62	-9.93	0.0	0.0	0.0
6	35	-0.03	-12.96	-7.29	0.0	0.0	0.0
6	36	-0.04	-14.61	-8.20	0.0	0.0	0.0
6	37	-0.04	-15.96	-9.01	0.0	0.0	0.0
6	38	-0.04	-17.62	-9.93	0.0	0.0	0.0
6	39	-0.03	-12.96	-7.29	0.0	0.0	0.0
6	40	-0.04	-14.61	-8.20	0.0	0.0	0.0
6	41	-0.04	-15.96	-9.01	0.0	0.0	0.0
6	42	-0.04	-17.62	-9.93	0.0	0.0	0.0
6	43	-0.03	-12.96	-7.29	0.0	0.0	0.0
6	44	-0.04	-14.61	-8.20	0.0	0.0	0.0
6	45	-0.02	-10.01	-5.74	0.0	0.0	0.0
9	1	-0.03	11.98	-8.58	0.0	0.0	0.0
9	2	-0.03	14.18	-10.23	0.0	0.0	0.0
9	3	-0.03	13.29	-9.26	0.0	0.0	0.0
9	4	-0.03	14.39	-10.09	0.0	0.0	0.0
9	5	-0.03	11.98	-8.58	0.0	0.0	0.0



9	6	-0.03	13.08	-9.40	0.0	0.0	0.0
9	7	-0.03	11.98	-8.58	0.0	0.0	0.0
9	8	-0.03	13.08	-9.40	0.0	0.0	0.0
9	9	-0.03	11.98	-8.58	0.0	0.0	0.0
9	10	-0.03	13.08	-9.40	0.0	0.0	0.0
9	11	-0.03	11.98	-8.58	0.0	0.0	0.0
9	12	-0.03	13.08	-9.40	0.0	0.0	0.0
9	13	-0.02	10.01	-7.55	0.0	0.0	0.0
9	14	-0.03	10.45	-7.88	0.0	0.0	0.0
9	15	-0.03	10.66	-7.89	0.0	0.0	0.0
9	16	-0.02	10.01	-7.55	0.0	0.0	0.0
9	17	-0.02	10.01	-7.55	0.0	0.0	0.0
9	18	-0.02	10.01	-7.55	0.0	0.0	0.0
9	19	-0.02	10.01	-7.55	0.0	0.0	0.0
9	20	-0.02	10.01	-7.55	0.0	0.0	0.0
9	21	-0.04	15.96	-11.36	0.0	0.0	0.0
9	22	-0.05	19.27	-13.84	0.0	0.0	0.0
9	23	-0.03	12.96	-9.09	0.0	0.0	0.0
9	24	-0.04	16.27	-11.57	0.0	0.0	0.0
9	25	-0.04	17.93	-12.38	0.0	0.0	0.0
9	26	-0.05	19.58	-13.63	0.0	0.0	0.0
9	27	-0.04	14.92	-10.12	0.0	0.0	0.0
9	28	-0.04	16.58	-11.36	0.0	0.0	0.0
9	29	-0.04	15.96	-11.36	0.0	0.0	0.0
9	30	-0.04	17.62	-12.60	0.0	0.0	0.0
9	31	-0.03	12.96	-9.09	0.0	0.0	0.0
9	32	-0.04	14.61	-10.33	0.0	0.0	0.0
9	33	-0.04	15.96	-11.36	0.0	0.0	0.0
9	34	-0.04	17.62	-12.60	0.0	0.0	0.0
9	35	-0.03	12.96	-9.09	0.0	0.0	0.0
9	36	-0.04	14.61	-10.33	0.0	0.0	0.0
9	37	-0.04	15.96	-11.36	0.0	0.0	0.0
9	38	-0.04	17.62	-12.60	0.0	0.0	0.0
9	39	-0.03	12.96	-9.09	0.0	0.0	0.0
9	40	-0.04	14.61	-10.33	0.0	0.0	0.0
9	41	-0.04	15.96	-11.36	0.0	0.0	0.0
9	42	-0.04	17.62	-12.60	0.0	0.0	0.0
9	43	-0.03	12.96	-9.09	0.0	0.0	0.0
9	44	-0.04	14.61	-10.33	0.0	0.0	0.0
9	45	-0.02	10.01	-7.55	0.0	0.0	0.0
11	1	-0.01	-18.03	-10.13	0.0	0.0	0.0
11	2	-0.01	-21.43	-12.09	0.0	0.0	0.0
11	3	-0.01	-19.85	-10.96	0.0	0.0	0.0
11	4	-0.01	-21.55	-11.94	0.0	0.0	0.0
11	5	-0.01	-18.03	-10.13	0.0	0.0	0.0
11	6	-0.01	-19.73	-11.11	0.0	0.0	0.0
11	7	-0.01	-18.03	-10.13	0.0	0.0	0.0
11	8	-0.01	-19.73	-11.11	0.0	0.0	0.0
11	9	-0.01	-18.03	-10.13	0.0	0.0	0.0
11	10	-0.01	-19.73	-11.11	0.0	0.0	0.0
11	11	-0.01	-18.03	-10.13	0.0	0.0	0.0
11	12	-0.01	-19.73	-11.11	0.0	0.0	0.0
11	13	-0.01	-15.29	-8.88	0.0	0.0	0.0
11	14	-0.01	-15.97	-9.27	0.0	0.0	0.0
11	15	-0.01	-16.21	-9.30	0.0	0.0	0.0
11	16	-0.01	-15.29	-8.88	0.0	0.0	0.0
11	17	-0.01	-15.29	-8.88	0.0	0.0	0.0
11	18	-0.01	-15.29	-8.88	0.0	0.0	0.0
11	19	-0.01	-15.29	-8.88	0.0	0.0	0.0
11	20	-0.01	-15.29	-8.88	0.0	0.0	0.0
11	21	-0.02	-23.99	-13.41	0.0	0.0	0.0
11	22	-0.02	-29.09	-16.36	0.0	0.0	0.0
11	23	-0.01	-19.40	-10.75	0.0	0.0	0.0
11	24	-0.02	-24.50	-13.69	0.0	0.0	0.0
11	25	-0.02	-26.72	-14.66	0.0	0.0	0.0
11	26	-0.02	-29.27	-16.13	0.0	0.0	0.0
11	27	-0.01	-22.13	-12.00	0.0	0.0	0.0
11	28	-0.02	-24.68	-13.47	0.0	0.0	0.0
11	29	-0.02	-23.99	-13.41	0.0	0.0	0.0
11	30	-0.02	-26.54	-14.89	0.0	0.0	0.0
11	31	-0.01	-19.40	-10.75	0.0	0.0	0.0
11	32	-0.01	-21.95	-12.22	0.0	0.0	0.0
11	33	-0.02	-23.99	-13.41	0.0	0.0	0.0
11	34	-0.02	-26.54	-14.89	0.0	0.0	0.0
11	35	-0.01	-19.40	-10.75	0.0	0.0	0.0
11	36	-0.01	-21.95	-12.22	0.0	0.0	0.0
11	37	-0.02	-23.99	-13.41	0.0	0.0	0.0



11	38	-0.02	-26.54	-14.89	0.0	0.0	0.0
11	39	-0.01	-19.40	-10.75	0.0	0.0	0.0
11	40	-0.01	-21.95	-12.22	0.0	0.0	0.0
11	41	-0.02	-23.99	-13.41	0.0	0.0	0.0
11	42	-0.02	-26.54	-14.89	0.0	0.0	0.0
11	43	-0.01	-19.40	-10.75	0.0	0.0	0.0
11	44	-0.01	-21.95	-12.22	0.0	0.0	0.0
11	45	-0.01	-15.29	-8.88	0.0	0.0	0.0
14	1	-0.01	18.03	-10.10	0.0	0.0	0.0
14	2	-0.01	21.43	-12.05	0.0	0.0	0.0
14	3	-0.01	19.86	-10.93	0.0	0.0	0.0
14	4	-0.01	21.56	-11.91	0.0	0.0	0.0
14	5	-0.01	18.03	-10.10	0.0	0.0	0.0
14	6	-0.01	19.73	-11.08	0.0	0.0	0.0
14	7	-0.01	18.03	-10.10	0.0	0.0	0.0
14	8	-0.01	19.73	-11.08	0.0	0.0	0.0
14	9	-0.01	18.03	-10.10	0.0	0.0	0.0
14	10	-0.01	19.73	-11.08	0.0	0.0	0.0
14	11	-0.01	18.03	-10.10	0.0	0.0	0.0
14	12	-0.01	19.73	-11.08	0.0	0.0	0.0
14	13	-0.01	15.30	-8.85	0.0	0.0	0.0
14	14	-0.01	15.98	-9.25	0.0	0.0	0.0
14	15	-0.01	16.21	-9.27	0.0	0.0	0.0
14	16	-0.01	15.30	-8.85	0.0	0.0	0.0
14	17	-0.01	15.30	-8.85	0.0	0.0	0.0
14	18	-0.01	15.30	-8.85	0.0	0.0	0.0
14	19	-0.01	15.30	-8.85	0.0	0.0	0.0
14	20	-0.01	15.30	-8.85	0.0	0.0	0.0
14	21	-0.02	23.99	-13.38	0.0	0.0	0.0
14	22	-0.02	29.09	-16.31	0.0	0.0	0.0
14	23	-0.01	19.40	-10.72	0.0	0.0	0.0
14	24	-0.02	24.50	-13.65	0.0	0.0	0.0
14	25	-0.02	26.72	-14.62	0.0	0.0	0.0
14	26	-0.02	29.27	-16.09	0.0	0.0	0.0
14	27	-0.01	22.14	-11.97	0.0	0.0	0.0
14	28	-0.02	24.69	-13.43	0.0	0.0	0.0
14	29	-0.02	23.99	-13.38	0.0	0.0	0.0
14	30	-0.02	26.54	-14.84	0.0	0.0	0.0
14	31	-0.01	19.40	-10.72	0.0	0.0	0.0
14	32	-0.01	21.95	-12.19	0.0	0.0	0.0
14	33	-0.02	23.99	-13.38	0.0	0.0	0.0
14	34	-0.02	26.54	-14.84	0.0	0.0	0.0
14	35	-0.01	19.40	-10.72	0.0	0.0	0.0
14	36	-0.01	21.95	-12.19	0.0	0.0	0.0
14	37	-0.02	23.99	-13.38	0.0	0.0	0.0
14	38	-0.02	26.54	-14.84	0.0	0.0	0.0
14	39	-0.01	19.40	-10.72	0.0	0.0	0.0
14	40	-0.01	21.95	-12.19	0.0	0.0	0.0
14	41	-0.02	23.99	-13.38	0.0	0.0	0.0
14	42	-0.02	26.54	-14.84	0.0	0.0	0.0
14	43	-0.01	19.40	-10.72	0.0	0.0	0.0
14	44	-0.01	21.95	-12.19	0.0	0.0	0.0
14	45	-0.01	15.30	-8.85	0.0	0.0	0.0
16	1	-2.45e-03	-19.56	-10.51	0.0	0.0	0.0
16	2	-3.00e-03	-23.29	-12.56	0.0	0.0	0.0
16	3	-2.53e-03	-21.46	-11.37	0.0	0.0	0.0
16	4	-2.81e-03	-23.33	-12.39	0.0	0.0	0.0
16	5	-2.45e-03	-19.56	-10.51	0.0	0.0	0.0
16	6	-2.72e-03	-21.42	-11.54	0.0	0.0	0.0
16	7	-2.45e-03	-19.56	-10.51	0.0	0.0	0.0
16	8	-2.72e-03	-21.42	-11.54	0.0	0.0	0.0
16	9	-2.45e-03	-19.56	-10.51	0.0	0.0	0.0
16	10	-2.72e-03	-21.42	-11.54	0.0	0.0	0.0
16	11	-2.45e-03	-19.56	-10.51	0.0	0.0	0.0
16	12	-2.72e-03	-21.42	-11.54	0.0	0.0	0.0
16	13	-2.32e-03	-16.70	-9.24	0.0	0.0	0.0
16	14	-2.43e-03	-17.45	-9.64	0.0	0.0	0.0
16	15	-2.36e-03	-17.66	-9.66	0.0	0.0	0.0
16	16	-2.32e-03	-16.70	-9.24	0.0	0.0	0.0
16	17	-2.32e-03	-16.70	-9.24	0.0	0.0	0.0
16	18	-2.32e-03	-16.70	-9.24	0.0	0.0	0.0
16	19	-2.32e-03	-16.70	-9.24	0.0	0.0	0.0
16	20	-2.32e-03	-16.70	-9.24	0.0	0.0	0.0
16	21	-3.21e-03	-26.00	-13.92	0.0	0.0	0.0
16	22	-4.03e-03	-31.59	-16.99	0.0	0.0	0.0
16	23	-2.51e-03	-20.99	-11.15	0.0	0.0	0.0
16	24	-3.34e-03	-26.58	-14.22	0.0	0.0	0.0



16	25	-3.33e-03	-28.86	-15.20	0.0	0.0	0.0
16	26	-3.75e-03	-31.65	-16.73	0.0	0.0	0.0
16	27	-2.64e-03	-23.85	-12.43	0.0	0.0	0.0
16	28	-3.05e-03	-26.64	-13.96	0.0	0.0	0.0
16	29	-3.21e-03	-26.00	-13.92	0.0	0.0	0.0
16	30	-3.62e-03	-28.80	-15.46	0.0	0.0	0.0
16	31	-2.51e-03	-20.99	-11.15	0.0	0.0	0.0
16	32	-2.92e-03	-23.79	-12.68	0.0	0.0	0.0
16	33	-3.21e-03	-26.00	-13.92	0.0	0.0	0.0
16	34	-3.62e-03	-28.80	-15.46	0.0	0.0	0.0
16	35	-2.51e-03	-20.99	-11.15	0.0	0.0	0.0
16	36	-2.92e-03	-23.79	-12.68	0.0	0.0	0.0
16	37	-3.21e-03	-26.00	-13.92	0.0	0.0	0.0
16	38	-3.62e-03	-28.80	-15.46	0.0	0.0	0.0
16	39	-2.51e-03	-20.99	-11.15	0.0	0.0	0.0
16	40	-2.92e-03	-23.79	-12.68	0.0	0.0	0.0
16	41	-3.21e-03	-26.00	-13.92	0.0	0.0	0.0
16	42	-3.62e-03	-28.80	-15.46	0.0	0.0	0.0
16	43	-2.51e-03	-20.99	-11.15	0.0	0.0	0.0
16	44	-2.92e-03	-23.79	-12.68	0.0	0.0	0.0
16	45	-2.32e-03	-16.70	-9.24	0.0	0.0	0.0
19	1	-2.46e-03	19.56	-10.50	0.0	0.0	0.0
19	2	-3.01e-03	23.29	-12.54	0.0	0.0	0.0
19	3	-2.54e-03	21.46	-11.35	0.0	0.0	0.0
19	4	-2.82e-03	23.33	-12.37	0.0	0.0	0.0
19	5	-2.46e-03	19.56	-10.50	0.0	0.0	0.0
19	6	-2.73e-03	21.42	-11.52	0.0	0.0	0.0
19	7	-2.46e-03	19.56	-10.50	0.0	0.0	0.0
19	8	-2.73e-03	21.42	-11.52	0.0	0.0	0.0
19	9	-2.46e-03	19.56	-10.50	0.0	0.0	0.0
19	10	-2.73e-03	21.42	-11.52	0.0	0.0	0.0
19	11	-2.46e-03	19.56	-10.50	0.0	0.0	0.0
19	12	-2.73e-03	21.42	-11.52	0.0	0.0	0.0
19	13	-2.33e-03	16.70	-9.23	0.0	0.0	0.0
19	14	-2.44e-03	17.45	-9.63	0.0	0.0	0.0
19	15	-2.37e-03	17.66	-9.65	0.0	0.0	0.0
19	16	-2.33e-03	16.70	-9.23	0.0	0.0	0.0
19	17	-2.33e-03	16.70	-9.23	0.0	0.0	0.0
19	18	-2.33e-03	16.70	-9.23	0.0	0.0	0.0
19	19	-2.33e-03	16.70	-9.23	0.0	0.0	0.0
19	20	-2.33e-03	16.70	-9.23	0.0	0.0	0.0
19	21	-3.22e-03	26.00	-13.91	0.0	0.0	0.0
19	22	-4.05e-03	31.59	-16.97	0.0	0.0	0.0
19	23	-2.52e-03	20.99	-11.14	0.0	0.0	0.0
19	24	-3.35e-03	26.58	-14.20	0.0	0.0	0.0
19	25	-3.35e-03	28.86	-15.19	0.0	0.0	0.0
19	26	-3.76e-03	31.65	-16.72	0.0	0.0	0.0
19	27	-2.65e-03	23.84	-12.42	0.0	0.0	0.0
19	28	-3.06e-03	26.64	-13.95	0.0	0.0	0.0
19	29	-3.22e-03	26.00	-13.91	0.0	0.0	0.0
19	30	-3.63e-03	28.80	-15.44	0.0	0.0	0.0
19	31	-2.52e-03	20.99	-11.14	0.0	0.0	0.0
19	32	-2.94e-03	23.78	-12.67	0.0	0.0	0.0
19	33	-3.22e-03	26.00	-13.91	0.0	0.0	0.0
19	34	-3.63e-03	28.80	-15.44	0.0	0.0	0.0
19	35	-2.52e-03	20.99	-11.14	0.0	0.0	0.0
19	36	-2.94e-03	23.78	-12.67	0.0	0.0	0.0
19	37	-3.22e-03	26.00	-13.91	0.0	0.0	0.0
19	38	-3.63e-03	28.80	-15.44	0.0	0.0	0.0
19	39	-2.52e-03	20.99	-11.14	0.0	0.0	0.0
19	40	-2.94e-03	23.78	-12.67	0.0	0.0	0.0
19	41	-3.22e-03	26.00	-13.91	0.0	0.0	0.0
19	42	-3.63e-03	28.80	-15.44	0.0	0.0	0.0
19	43	-2.52e-03	20.99	-11.14	0.0	0.0	0.0
19	44	-2.94e-03	23.78	-12.67	0.0	0.0	0.0
19	45	-2.33e-03	16.70	-9.23	0.0	0.0	0.0
21	1	-2.12e-05	-19.59	-10.51	0.0	0.0	0.0
21	2	-4.92e-05	-23.34	-12.55	0.0	0.0	0.0
21	3	2.08e-05	-21.47	-11.35	0.0	0.0	0.0
21	4	6.87e-06	-23.34	-12.37	0.0	0.0	0.0
21	5	-2.12e-05	-19.59	-10.51	0.0	0.0	0.0
21	6	-3.52e-05	-21.46	-11.53	0.0	0.0	0.0
21	7	-2.12e-05	-19.59	-10.51	0.0	0.0	0.0
21	8	-3.52e-05	-21.46	-11.53	0.0	0.0	0.0
21	9	-2.12e-05	-19.59	-10.51	0.0	0.0	0.0
21	10	-3.52e-05	-21.46	-11.53	0.0	0.0	0.0
21	11	-2.12e-05	-19.59	-10.51	0.0	0.0	0.0



21	12	-3.52e-05	-21.46	-11.53	0.0	0.0	0.0
21	13	-8.43e-05	-16.77	-9.24	0.0	0.0	0.0
21	14	-8.99e-05	-17.52	-9.65	0.0	0.0	0.0
21	15	-6.33e-05	-17.71	-9.66	0.0	0.0	0.0
21	16	-8.43e-05	-16.77	-9.24	0.0	0.0	0.0
21	17	-8.43e-05	-16.77	-9.24	0.0	0.0	0.0
21	18	-8.43e-05	-16.77	-9.24	0.0	0.0	0.0
21	19	-8.43e-05	-16.77	-9.24	0.0	0.0	0.0
21	20	-8.43e-05	-16.77	-9.24	0.0	0.0	0.0
21	21	-1.50e-05	-26.03	-13.91	0.0	0.0	0.0
21	22	-5.69e-05	-31.65	-16.98	0.0	0.0	0.0
21	23	1.03e-05	-21.00	-11.14	0.0	0.0	0.0
21	24	-3.16e-05	-26.62	-14.21	0.0	0.0	0.0
21	25	4.81e-05	-28.85	-15.18	0.0	0.0	0.0
21	26	2.72e-05	-31.66	-16.71	0.0	0.0	0.0
21	27	7.34e-05	-23.82	-12.40	0.0	0.0	0.0
21	28	5.25e-05	-26.63	-13.94	0.0	0.0	0.0
21	29	-1.50e-05	-26.03	-13.91	0.0	0.0	0.0
21	30	-3.59e-05	-28.84	-15.44	0.0	0.0	0.0
21	31	1.03e-05	-21.00	-11.14	0.0	0.0	0.0
21	32	-1.06e-05	-23.81	-12.67	0.0	0.0	0.0
21	33	-1.50e-05	-26.03	-13.91	0.0	0.0	0.0
21	34	-3.59e-05	-28.84	-15.44	0.0	0.0	0.0
21	35	1.03e-05	-21.00	-11.14	0.0	0.0	0.0
21	36	-1.06e-05	-23.81	-12.67	0.0	0.0	0.0
21	37	-1.50e-05	-26.03	-13.91	0.0	0.0	0.0
21	38	-3.59e-05	-28.84	-15.44	0.0	0.0	0.0
21	39	1.03e-05	-21.00	-11.14	0.0	0.0	0.0
21	40	-1.06e-05	-23.81	-12.67	0.0	0.0	0.0
21	41	-1.50e-05	-26.03	-13.91	0.0	0.0	0.0
21	42	-3.59e-05	-28.84	-15.44	0.0	0.0	0.0
21	43	1.03e-05	-21.00	-11.14	0.0	0.0	0.0
21	44	-1.06e-05	-23.81	-12.67	0.0	0.0	0.0
21	45	-8.43e-05	-16.77	-9.24	0.0	0.0	0.0
24	1	-2.69e-05	19.59	-10.50	0.0	0.0	0.0
24	2	-5.62e-05	23.34	-12.55	0.0	0.0	0.0
24	3	1.52e-05	21.47	-11.35	0.0	0.0	0.0
24	4	0.0	23.34	-12.37	0.0	0.0	0.0
24	5	-2.69e-05	19.59	-10.50	0.0	0.0	0.0
24	6	-4.15e-05	21.46	-11.53	0.0	0.0	0.0
24	7	-2.69e-05	19.59	-10.50	0.0	0.0	0.0
24	8	-4.15e-05	21.46	-11.53	0.0	0.0	0.0
24	9	-2.69e-05	19.59	-10.50	0.0	0.0	0.0
24	10	-4.15e-05	21.46	-11.53	0.0	0.0	0.0
24	11	-2.69e-05	19.59	-10.50	0.0	0.0	0.0
24	12	-4.15e-05	21.46	-11.53	0.0	0.0	0.0
24	13	-9.00e-05	16.77	-9.24	0.0	0.0	0.0
24	14	-9.58e-05	17.52	-9.65	0.0	0.0	0.0
24	15	-6.90e-05	17.71	-9.66	0.0	0.0	0.0
24	16	-9.00e-05	16.77	-9.24	0.0	0.0	0.0
24	17	-9.00e-05	16.77	-9.24	0.0	0.0	0.0
24	18	-9.00e-05	16.77	-9.24	0.0	0.0	0.0
24	19	-9.00e-05	16.77	-9.24	0.0	0.0	0.0
24	20	-9.00e-05	16.77	-9.24	0.0	0.0	0.0
24	21	-2.23e-05	26.03	-13.91	0.0	0.0	0.0
24	22	-6.62e-05	31.65	-16.97	0.0	0.0	0.0
24	23	4.67e-06	21.00	-11.14	0.0	0.0	0.0
24	24	-3.92e-05	26.62	-14.20	0.0	0.0	0.0
24	25	4.08e-05	28.85	-15.17	0.0	0.0	0.0
24	26	1.88e-05	31.66	-16.71	0.0	0.0	0.0
24	27	6.78e-05	23.82	-12.40	0.0	0.0	0.0
24	28	4.58e-05	26.63	-13.94	0.0	0.0	0.0
24	29	-2.23e-05	26.03	-13.91	0.0	0.0	0.0
24	30	-4.43e-05	28.84	-15.44	0.0	0.0	0.0
24	31	4.67e-06	21.00	-11.14	0.0	0.0	0.0
24	32	-1.73e-05	23.81	-12.67	0.0	0.0	0.0
24	33	-2.23e-05	26.03	-13.91	0.0	0.0	0.0
24	34	-4.43e-05	28.84	-15.44	0.0	0.0	0.0
24	35	4.67e-06	21.00	-11.14	0.0	0.0	0.0
24	36	-1.73e-05	23.81	-12.67	0.0	0.0	0.0
24	37	-2.23e-05	26.03	-13.91	0.0	0.0	0.0
24	38	-4.43e-05	28.84	-15.44	0.0	0.0	0.0
24	39	4.67e-06	21.00	-11.14	0.0	0.0	0.0
24	40	-1.73e-05	23.81	-12.67	0.0	0.0	0.0
24	41	-2.23e-05	26.03	-13.91	0.0	0.0	0.0
24	42	-4.43e-05	28.84	-15.44	0.0	0.0	0.0
24	43	4.67e-06	21.00	-11.14	0.0	0.0	0.0



24	44	-1.73e-05	23.81	-12.67	0.0	0.0	0.0
24	45	-9.00e-05	16.77	-9.24	0.0	0.0	0.0
26	1	2.69e-05	-19.59	-10.50	0.0	0.0	0.0
26	2	5.62e-05	-23.34	-12.55	0.0	0.0	0.0
26	3	-1.52e-05	-21.47	-11.35	0.0	0.0	0.0
26	4	0.0	-23.34	-12.37	0.0	0.0	0.0
26	5	2.69e-05	-19.59	-10.50	0.0	0.0	0.0
26	6	4.15e-05	-21.46	-11.53	0.0	0.0	0.0
26	7	2.69e-05	-19.59	-10.50	0.0	0.0	0.0
26	8	4.15e-05	-21.46	-11.53	0.0	0.0	0.0
26	9	2.69e-05	-19.59	-10.50	0.0	0.0	0.0
26	10	4.15e-05	-21.46	-11.53	0.0	0.0	0.0
26	11	2.69e-05	-19.59	-10.50	0.0	0.0	0.0
26	12	4.15e-05	-21.46	-11.53	0.0	0.0	0.0
26	13	9.00e-05	-16.77	-9.24	0.0	0.0	0.0
26	14	9.58e-05	-17.52	-9.65	0.0	0.0	0.0
26	15	6.90e-05	-17.71	-9.66	0.0	0.0	0.0
26	16	9.00e-05	-16.77	-9.24	0.0	0.0	0.0
26	17	9.00e-05	-16.77	-9.24	0.0	0.0	0.0
26	18	9.00e-05	-16.77	-9.24	0.0	0.0	0.0
26	19	9.00e-05	-16.77	-9.24	0.0	0.0	0.0
26	20	9.00e-05	-16.77	-9.24	0.0	0.0	0.0
26	21	2.23e-05	-26.03	-13.91	0.0	0.0	0.0
26	22	6.62e-05	-31.65	-16.97	0.0	0.0	0.0
26	23	-4.67e-06	-21.00	-11.14	0.0	0.0	0.0
26	24	3.92e-05	-26.62	-14.20	0.0	0.0	0.0
26	25	-4.08e-05	-28.85	-15.17	0.0	0.0	0.0
26	26	-1.88e-05	-31.66	-16.71	0.0	0.0	0.0
26	27	-6.78e-05	-23.82	-12.40	0.0	0.0	0.0
26	28	-4.58e-05	-26.63	-13.94	0.0	0.0	0.0
26	29	2.23e-05	-26.03	-13.91	0.0	0.0	0.0
26	30	4.43e-05	-28.84	-15.44	0.0	0.0	0.0
26	31	-4.67e-06	-21.00	-11.14	0.0	0.0	0.0
26	32	1.73e-05	-23.81	-12.67	0.0	0.0	0.0
26	33	2.23e-05	-26.03	-13.91	0.0	0.0	0.0
26	34	4.43e-05	-28.84	-15.44	0.0	0.0	0.0
26	35	-4.67e-06	-21.00	-11.14	0.0	0.0	0.0
26	36	1.73e-05	-23.81	-12.67	0.0	0.0	0.0
26	37	2.23e-05	-26.03	-13.91	0.0	0.0	0.0
26	38	4.43e-05	-28.84	-15.44	0.0	0.0	0.0
26	39	-4.67e-06	-21.00	-11.14	0.0	0.0	0.0
26	40	1.73e-05	-23.81	-12.67	0.0	0.0	0.0
26	41	2.23e-05	-26.03	-13.91	0.0	0.0	0.0
26	42	4.43e-05	-28.84	-15.44	0.0	0.0	0.0
26	43	-4.67e-06	-21.00	-11.14	0.0	0.0	0.0
26	44	1.73e-05	-23.81	-12.67	0.0	0.0	0.0
26	45	9.00e-05	-16.77	-9.24	0.0	0.0	0.0
29	1	2.12e-05	19.59	-10.51	0.0	0.0	0.0
29	2	4.92e-05	23.34	-12.55	0.0	0.0	0.0
29	3	-2.08e-05	21.47	-11.35	0.0	0.0	0.0
29	4	-6.87e-06	23.34	-12.37	0.0	0.0	0.0
29	5	2.12e-05	19.59	-10.51	0.0	0.0	0.0
29	6	3.52e-05	21.46	-11.53	0.0	0.0	0.0
29	7	2.12e-05	19.59	-10.51	0.0	0.0	0.0
29	8	3.52e-05	21.46	-11.53	0.0	0.0	0.0
29	9	2.12e-05	19.59	-10.51	0.0	0.0	0.0
29	10	3.52e-05	21.46	-11.53	0.0	0.0	0.0
29	11	2.12e-05	19.59	-10.51	0.0	0.0	0.0
29	12	3.52e-05	21.46	-11.53	0.0	0.0	0.0
29	13	8.43e-05	16.77	-9.24	0.0	0.0	0.0
29	14	8.99e-05	17.52	-9.65	0.0	0.0	0.0
29	15	6.33e-05	17.71	-9.66	0.0	0.0	0.0
29	16	8.43e-05	16.77	-9.24	0.0	0.0	0.0
29	17	8.43e-05	16.77	-9.24	0.0	0.0	0.0
29	18	8.43e-05	16.77	-9.24	0.0	0.0	0.0
29	19	8.43e-05	16.77	-9.24	0.0	0.0	0.0
29	20	8.43e-05	16.77	-9.24	0.0	0.0	0.0
29	21	1.50e-05	26.03	-13.91	0.0	0.0	0.0
29	22	5.69e-05	31.65	-16.98	0.0	0.0	0.0
29	23	-1.03e-05	21.00	-11.14	0.0	0.0	0.0
29	24	3.16e-05	26.62	-14.21	0.0	0.0	0.0
29	25	-4.81e-05	28.85	-15.18	0.0	0.0	0.0
29	26	-2.72e-05	31.66	-16.71	0.0	0.0	0.0
29	27	-7.34e-05	23.82	-12.40	0.0	0.0	0.0
29	28	-5.25e-05	26.63	-13.94	0.0	0.0	0.0
29	29	1.50e-05	26.03	-13.91	0.0	0.0	0.0
29	30	3.59e-05	28.84	-15.44	0.0	0.0	0.0



29	31	-1.03e-05	21.00	-11.14	0.0	0.0	0.0
29	32	1.06e-05	23.81	-12.67	0.0	0.0	0.0
29	33	1.50e-05	26.03	-13.91	0.0	0.0	0.0
29	34	3.59e-05	28.84	-15.44	0.0	0.0	0.0
29	35	-1.03e-05	21.00	-11.14	0.0	0.0	0.0
29	36	1.06e-05	23.81	-12.67	0.0	0.0	0.0
29	37	1.50e-05	26.03	-13.91	0.0	0.0	0.0
29	38	3.59e-05	28.84	-15.44	0.0	0.0	0.0
29	39	-1.03e-05	21.00	-11.14	0.0	0.0	0.0
29	40	1.06e-05	23.81	-12.67	0.0	0.0	0.0
29	41	1.50e-05	26.03	-13.91	0.0	0.0	0.0
29	42	3.59e-05	28.84	-15.44	0.0	0.0	0.0
29	43	-1.03e-05	21.00	-11.14	0.0	0.0	0.0
29	44	1.06e-05	23.81	-12.67	0.0	0.0	0.0
29	45	8.43e-05	16.77	-9.24	0.0	0.0	0.0
31	1	2.46e-03	-19.56	-10.50	0.0	0.0	0.0
31	2	3.01e-03	-23.29	-12.54	0.0	0.0	0.0
31	3	2.54e-03	-21.46	-11.35	0.0	0.0	0.0
31	4	2.82e-03	-23.33	-12.37	0.0	0.0	0.0
31	5	2.46e-03	-19.56	-10.50	0.0	0.0	0.0
31	6	2.73e-03	-21.42	-11.52	0.0	0.0	0.0
31	7	2.46e-03	-19.56	-10.50	0.0	0.0	0.0
31	8	2.73e-03	-21.42	-11.52	0.0	0.0	0.0
31	9	2.46e-03	-19.56	-10.50	0.0	0.0	0.0
31	10	2.73e-03	-21.42	-11.52	0.0	0.0	0.0
31	11	2.46e-03	-19.56	-10.50	0.0	0.0	0.0
31	12	2.73e-03	-21.42	-11.52	0.0	0.0	0.0
31	13	2.33e-03	-16.70	-9.23	0.0	0.0	0.0
31	14	2.44e-03	-17.45	-9.63	0.0	0.0	0.0
31	15	2.37e-03	-17.66	-9.65	0.0	0.0	0.0
31	16	2.33e-03	-16.70	-9.23	0.0	0.0	0.0
31	17	2.33e-03	-16.70	-9.23	0.0	0.0	0.0
31	18	2.33e-03	-16.70	-9.23	0.0	0.0	0.0
31	19	2.33e-03	-16.70	-9.23	0.0	0.0	0.0
31	20	2.33e-03	-16.70	-9.23	0.0	0.0	0.0
31	21	3.22e-03	-26.00	-13.91	0.0	0.0	0.0
31	22	4.05e-03	-31.59	-16.97	0.0	0.0	0.0
31	23	2.52e-03	-20.99	-11.14	0.0	0.0	0.0
31	24	3.35e-03	-26.58	-14.20	0.0	0.0	0.0
31	25	3.35e-03	-28.86	-15.19	0.0	0.0	0.0
31	26	3.76e-03	-31.65	-16.72	0.0	0.0	0.0
31	27	2.65e-03	-23.84	-12.42	0.0	0.0	0.0
31	28	3.06e-03	-26.64	-13.95	0.0	0.0	0.0
31	29	3.22e-03	-26.00	-13.91	0.0	0.0	0.0
31	30	3.63e-03	-28.80	-15.44	0.0	0.0	0.0
31	31	2.52e-03	-20.99	-11.14	0.0	0.0	0.0
31	32	2.94e-03	-23.78	-12.67	0.0	0.0	0.0
31	33	3.22e-03	-26.00	-13.91	0.0	0.0	0.0
31	34	3.63e-03	-28.80	-15.44	0.0	0.0	0.0
31	35	2.52e-03	-20.99	-11.14	0.0	0.0	0.0
31	36	2.94e-03	-23.78	-12.67	0.0	0.0	0.0
31	37	3.22e-03	-26.00	-13.91	0.0	0.0	0.0
31	38	3.63e-03	-28.80	-15.44	0.0	0.0	0.0
31	39	2.52e-03	-20.99	-11.14	0.0	0.0	0.0
31	40	2.94e-03	-23.78	-12.67	0.0	0.0	0.0
31	41	3.22e-03	-26.00	-13.91	0.0	0.0	0.0
31	42	3.63e-03	-28.80	-15.44	0.0	0.0	0.0
31	43	2.52e-03	-20.99	-11.14	0.0	0.0	0.0
31	44	2.94e-03	-23.78	-12.67	0.0	0.0	0.0
31	45	2.33e-03	-16.70	-9.23	0.0	0.0	0.0
34	1	2.45e-03	19.56	-10.51	0.0	0.0	0.0
34	2	3.00e-03	23.29	-12.56	0.0	0.0	0.0
34	3	2.53e-03	21.46	-11.37	0.0	0.0	0.0
34	4	2.81e-03	23.33	-12.39	0.0	0.0	0.0
34	5	2.45e-03	19.56	-10.51	0.0	0.0	0.0
34	6	2.72e-03	21.42	-11.54	0.0	0.0	0.0
34	7	2.45e-03	19.56	-10.51	0.0	0.0	0.0
34	8	2.72e-03	21.42	-11.54	0.0	0.0	0.0
34	9	2.45e-03	19.56	-10.51	0.0	0.0	0.0
34	10	2.72e-03	21.42	-11.54	0.0	0.0	0.0
34	11	2.45e-03	19.56	-10.51	0.0	0.0	0.0
34	12	2.72e-03	21.42	-11.54	0.0	0.0	0.0
34	13	2.32e-03	16.70	-9.24	0.0	0.0	0.0
34	14	2.43e-03	17.45	-9.64	0.0	0.0	0.0
34	15	2.36e-03	17.66	-9.66	0.0	0.0	0.0
34	16	2.32e-03	16.70	-9.24	0.0	0.0	0.0
34	17	2.32e-03	16.70	-9.24	0.0	0.0	0.0



34	18	2.32e-03	16.70	-9.24	0.0	0.0	0.0
34	19	2.32e-03	16.70	-9.24	0.0	0.0	0.0
34	20	2.32e-03	16.70	-9.24	0.0	0.0	0.0
34	21	3.21e-03	26.00	-13.92	0.0	0.0	0.0
34	22	4.03e-03	31.59	-16.99	0.0	0.0	0.0
34	23	2.51e-03	20.99	-11.15	0.0	0.0	0.0
34	24	3.34e-03	26.58	-14.22	0.0	0.0	0.0
34	25	3.33e-03	28.86	-15.20	0.0	0.0	0.0
34	26	3.75e-03	31.65	-16.73	0.0	0.0	0.0
34	27	2.64e-03	23.85	-12.43	0.0	0.0	0.0
34	28	3.05e-03	26.64	-13.96	0.0	0.0	0.0
34	29	3.21e-03	26.00	-13.92	0.0	0.0	0.0
34	30	3.62e-03	28.80	-15.46	0.0	0.0	0.0
34	31	2.51e-03	20.99	-11.15	0.0	0.0	0.0
34	32	2.92e-03	23.79	-12.68	0.0	0.0	0.0
34	33	3.21e-03	26.00	-13.92	0.0	0.0	0.0
34	34	3.62e-03	28.80	-15.46	0.0	0.0	0.0
34	35	2.51e-03	20.99	-11.15	0.0	0.0	0.0
34	36	2.92e-03	23.79	-12.68	0.0	0.0	0.0
34	37	3.21e-03	26.00	-13.92	0.0	0.0	0.0
34	38	3.62e-03	28.80	-15.46	0.0	0.0	0.0
34	39	2.51e-03	20.99	-11.15	0.0	0.0	0.0
34	40	2.92e-03	23.79	-12.68	0.0	0.0	0.0
34	41	3.21e-03	26.00	-13.92	0.0	0.0	0.0
34	42	3.62e-03	28.80	-15.46	0.0	0.0	0.0
34	43	2.51e-03	20.99	-11.15	0.0	0.0	0.0
34	44	2.92e-03	23.79	-12.68	0.0	0.0	0.0
34	45	2.32e-03	16.70	-9.24	0.0	0.0	0.0
36	1	0.01	-18.03	-10.10	0.0	0.0	0.0
36	2	0.01	-21.43	-12.05	0.0	0.0	0.0
36	3	0.01	-19.86	-10.93	0.0	0.0	0.0
36	4	0.01	-21.56	-11.91	0.0	0.0	0.0
36	5	0.01	-18.03	-10.10	0.0	0.0	0.0
36	6	0.01	-19.73	-11.08	0.0	0.0	0.0
36	7	0.01	-18.03	-10.10	0.0	0.0	0.0
36	8	0.01	-19.73	-11.08	0.0	0.0	0.0
36	9	0.01	-18.03	-10.10	0.0	0.0	0.0
36	10	0.01	-19.73	-11.08	0.0	0.0	0.0
36	11	0.01	-18.03	-10.10	0.0	0.0	0.0
36	12	0.01	-19.73	-11.08	0.0	0.0	0.0
36	13	0.01	-15.30	-8.85	0.0	0.0	0.0
36	14	0.01	-15.98	-9.25	0.0	0.0	0.0
36	15	0.01	-16.21	-9.27	0.0	0.0	0.0
36	16	0.01	-15.30	-8.85	0.0	0.0	0.0
36	17	0.01	-15.30	-8.85	0.0	0.0	0.0
36	18	0.01	-15.30	-8.85	0.0	0.0	0.0
36	19	0.01	-15.30	-8.85	0.0	0.0	0.0
36	20	0.01	-15.30	-8.85	0.0	0.0	0.0
36	21	0.02	-23.99	-13.38	0.0	0.0	0.0
36	22	0.02	-29.09	-16.31	0.0	0.0	0.0
36	23	0.01	-19.40	-10.72	0.0	0.0	0.0
36	24	0.02	-24.50	-13.65	0.0	0.0	0.0
36	25	0.02	-26.72	-14.62	0.0	0.0	0.0
36	26	0.02	-29.27	-16.09	0.0	0.0	0.0
36	27	0.01	-22.14	-11.97	0.0	0.0	0.0
36	28	0.02	-24.69	-13.43	0.0	0.0	0.0
36	29	0.02	-23.99	-13.38	0.0	0.0	0.0
36	30	0.02	-26.54	-14.84	0.0	0.0	0.0
36	31	0.01	-19.40	-10.72	0.0	0.0	0.0
36	32	0.01	-21.95	-12.19	0.0	0.0	0.0
36	33	0.02	-23.99	-13.38	0.0	0.0	0.0
36	34	0.02	-26.54	-14.84	0.0	0.0	0.0
36	35	0.01	-19.40	-10.72	0.0	0.0	0.0
36	36	0.01	-21.95	-12.19	0.0	0.0	0.0
36	37	0.02	-23.99	-13.38	0.0	0.0	0.0
36	38	0.02	-26.54	-14.84	0.0	0.0	0.0
36	39	0.01	-19.40	-10.72	0.0	0.0	0.0
36	40	0.01	-21.95	-12.19	0.0	0.0	0.0
36	41	0.02	-23.99	-13.38	0.0	0.0	0.0
36	42	0.02	-26.54	-14.84	0.0	0.0	0.0
36	43	0.01	-19.40	-10.72	0.0	0.0	0.0
36	44	0.01	-21.95	-12.19	0.0	0.0	0.0
36	45	0.01	-15.30	-8.85	0.0	0.0	0.0
39	1	0.01	18.03	-10.13	0.0	0.0	0.0
39	2	0.01	21.43	-12.09	0.0	0.0	0.0
39	3	0.01	19.85	-10.96	0.0	0.0	0.0
39	4	0.01	21.55	-11.94	0.0	0.0	0.0



39	5	0.01	18.03	-10.13	0.0	0.0	0.0
39	6	0.01	19.73	-11.11	0.0	0.0	0.0
39	7	0.01	18.03	-10.13	0.0	0.0	0.0
39	8	0.01	19.73	-11.11	0.0	0.0	0.0
39	9	0.01	18.03	-10.13	0.0	0.0	0.0
39	10	0.01	19.73	-11.11	0.0	0.0	0.0
39	11	0.01	18.03	-10.13	0.0	0.0	0.0
39	12	0.01	19.73	-11.11	0.0	0.0	0.0
39	13	0.01	15.29	-8.88	0.0	0.0	0.0
39	14	0.01	15.97	-9.27	0.0	0.0	0.0
39	15	0.01	16.21	-9.30	0.0	0.0	0.0
39	16	0.01	15.29	-8.88	0.0	0.0	0.0
39	17	0.01	15.29	-8.88	0.0	0.0	0.0
39	18	0.01	15.29	-8.88	0.0	0.0	0.0
39	19	0.01	15.29	-8.88	0.0	0.0	0.0
39	20	0.01	15.29	-8.88	0.0	0.0	0.0
39	21	0.02	23.99	-13.41	0.0	0.0	0.0
39	22	0.02	29.09	-16.36	0.0	0.0	0.0
39	23	0.01	19.40	-10.75	0.0	0.0	0.0
39	24	0.02	24.50	-13.69	0.0	0.0	0.0
39	25	0.02	26.72	-14.66	0.0	0.0	0.0
39	26	0.02	29.27	-16.13	0.0	0.0	0.0
39	27	0.01	22.13	-12.00	0.0	0.0	0.0
39	28	0.02	24.68	-13.47	0.0	0.0	0.0
39	29	0.02	23.99	-13.41	0.0	0.0	0.0
39	30	0.02	26.54	-14.89	0.0	0.0	0.0
39	31	0.01	19.40	-10.75	0.0	0.0	0.0
39	32	0.01	21.95	-12.22	0.0	0.0	0.0
39	33	0.02	23.99	-13.41	0.0	0.0	0.0
39	34	0.02	26.54	-14.89	0.0	0.0	0.0
39	35	0.01	19.40	-10.75	0.0	0.0	0.0
39	36	0.01	21.95	-12.22	0.0	0.0	0.0
39	37	0.02	23.99	-13.41	0.0	0.0	0.0
39	38	0.02	26.54	-14.89	0.0	0.0	0.0
39	39	0.01	19.40	-10.75	0.0	0.0	0.0
39	40	0.01	21.95	-12.22	0.0	0.0	0.0
39	41	0.02	23.99	-13.41	0.0	0.0	0.0
39	42	0.02	26.54	-14.89	0.0	0.0	0.0
39	43	0.01	19.40	-10.75	0.0	0.0	0.0
39	44	0.01	21.95	-12.22	0.0	0.0	0.0
39	45	0.01	15.29	-8.88	0.0	0.0	0.0
41	1	0.03	-11.98	-8.58	0.0	0.0	0.0
41	2	0.03	-14.18	-10.23	0.0	0.0	0.0
41	3	0.03	-13.29	-9.26	0.0	0.0	0.0
41	4	0.03	-14.39	-10.09	0.0	0.0	0.0
41	5	0.03	-11.98	-8.58	0.0	0.0	0.0
41	6	0.03	-13.08	-9.40	0.0	0.0	0.0
41	7	0.03	-11.98	-8.58	0.0	0.0	0.0
41	8	0.03	-13.08	-9.40	0.0	0.0	0.0
41	9	0.03	-11.98	-8.58	0.0	0.0	0.0
41	10	0.03	-13.08	-9.40	0.0	0.0	0.0
41	11	0.03	-11.98	-8.58	0.0	0.0	0.0
41	12	0.03	-13.08	-9.40	0.0	0.0	0.0
41	13	0.02	-10.01	-7.55	0.0	0.0	0.0
41	14	0.03	-10.45	-7.88	0.0	0.0	0.0
41	15	0.03	-10.66	-7.89	0.0	0.0	0.0
41	16	0.02	-10.01	-7.55	0.0	0.0	0.0
41	17	0.02	-10.01	-7.55	0.0	0.0	0.0
41	18	0.02	-10.01	-7.55	0.0	0.0	0.0
41	19	0.02	-10.01	-7.55	0.0	0.0	0.0
41	20	0.02	-10.01	-7.55	0.0	0.0	0.0
41	21	0.04	-15.96	-11.36	0.0	0.0	0.0
41	22	0.05	-19.27	-13.84	0.0	0.0	0.0
41	23	0.03	-12.96	-9.09	0.0	0.0	0.0
41	24	0.04	-16.27	-11.57	0.0	0.0	0.0
41	25	0.04	-17.93	-12.38	0.0	0.0	0.0
41	26	0.05	-19.58	-13.63	0.0	0.0	0.0
41	27	0.04	-14.92	-10.12	0.0	0.0	0.0
41	28	0.04	-16.58	-11.36	0.0	0.0	0.0
41	29	0.04	-15.96	-11.36	0.0	0.0	0.0
41	30	0.04	-17.62	-12.60	0.0	0.0	0.0
41	31	0.03	-12.96	-9.09	0.0	0.0	0.0
41	32	0.04	-14.61	-10.33	0.0	0.0	0.0
41	33	0.04	-15.96	-11.36	0.0	0.0	0.0
41	34	0.04	-17.62	-12.60	0.0	0.0	0.0
41	35	0.03	-12.96	-9.09	0.0	0.0	0.0
41	36	0.04	-14.61	-10.33	0.0	0.0	0.0



41	37	0.04	-15.96	-11.36	0.0	0.0	0.0
41	38	0.04	-17.62	-12.60	0.0	0.0	0.0
41	39	0.03	-12.96	-9.09	0.0	0.0	0.0
41	40	0.04	-14.61	-10.33	0.0	0.0	0.0
41	41	0.04	-15.96	-11.36	0.0	0.0	0.0
41	42	0.04	-17.62	-12.60	0.0	0.0	0.0
41	43	0.03	-12.96	-9.09	0.0	0.0	0.0
41	44	0.04	-14.61	-10.33	0.0	0.0	0.0
41	45	0.02	-10.01	-7.55	0.0	0.0	0.0
44	1	0.03	11.98	-6.77	0.0	0.0	0.0
44	2	0.03	14.18	-7.99	0.0	0.0	0.0
44	3	0.03	13.29	-7.46	0.0	0.0	0.0
44	4	0.03	14.39	-8.07	0.0	0.0	0.0
44	5	0.03	11.98	-6.77	0.0	0.0	0.0
44	6	0.03	13.08	-7.38	0.0	0.0	0.0
44	7	0.03	11.98	-6.77	0.0	0.0	0.0
44	8	0.03	13.08	-7.38	0.0	0.0	0.0
44	9	0.03	11.98	-6.77	0.0	0.0	0.0
44	10	0.03	13.08	-7.38	0.0	0.0	0.0
44	11	0.03	11.98	-6.77	0.0	0.0	0.0
44	12	0.03	13.08	-7.38	0.0	0.0	0.0
44	13	0.02	10.01	-5.74	0.0	0.0	0.0
44	14	0.03	10.45	-5.99	0.0	0.0	0.0
44	15	0.03	10.67	-6.09	0.0	0.0	0.0
44	16	0.02	10.01	-5.74	0.0	0.0	0.0
44	17	0.02	10.01	-5.74	0.0	0.0	0.0
44	18	0.02	10.01	-5.74	0.0	0.0	0.0
44	19	0.02	10.01	-5.74	0.0	0.0	0.0
44	20	0.02	10.01	-5.74	0.0	0.0	0.0
44	21	0.04	15.96	-9.01	0.0	0.0	0.0
44	22	0.05	19.27	-10.84	0.0	0.0	0.0
44	23	0.03	12.96	-7.29	0.0	0.0	0.0
44	24	0.04	16.27	-9.12	0.0	0.0	0.0
44	25	0.04	17.93	-10.04	0.0	0.0	0.0
44	26	0.05	19.58	-10.96	0.0	0.0	0.0
44	27	0.04	14.93	-8.32	0.0	0.0	0.0
44	28	0.04	16.58	-9.23	0.0	0.0	0.0
44	29	0.04	15.96	-9.01	0.0	0.0	0.0
44	30	0.04	17.62	-9.93	0.0	0.0	0.0
44	31	0.03	12.96	-7.29	0.0	0.0	0.0
44	32	0.04	14.61	-8.20	0.0	0.0	0.0
44	33	0.04	15.96	-9.01	0.0	0.0	0.0
44	34	0.04	17.62	-9.93	0.0	0.0	0.0
44	35	0.03	12.96	-7.29	0.0	0.0	0.0
44	36	0.04	14.61	-8.20	0.0	0.0	0.0
44	37	0.04	15.96	-9.01	0.0	0.0	0.0
44	38	0.04	17.62	-9.93	0.0	0.0	0.0
44	39	0.03	12.96	-7.29	0.0	0.0	0.0
44	40	0.04	14.61	-8.20	0.0	0.0	0.0
44	41	0.04	15.96	-9.01	0.0	0.0	0.0
44	42	0.04	17.62	-9.93	0.0	0.0	0.0
44	43	0.03	12.96	-7.29	0.0	0.0	0.0
44	44	0.04	14.61	-8.20	0.0	0.0	0.0
44	45	0.02	10.01	-5.74	0.0	0.0	0.0
46	1	0.04	-0.25	-4.38	0.0	0.0	0.0
46	2	0.04	-0.30	-5.25	0.0	0.0	0.0
46	3	0.04	-0.29	-4.69	0.0	0.0	0.0
46	4	0.05	-0.31	-5.13	0.0	0.0	0.0
46	5	0.04	-0.25	-4.38	0.0	0.0	0.0
46	6	0.04	-0.28	-4.81	0.0	0.0	0.0
46	7	0.04	-0.25	-4.38	0.0	0.0	0.0
46	8	0.04	-0.28	-4.81	0.0	0.0	0.0
46	9	0.04	-0.25	-4.38	0.0	0.0	0.0
46	10	0.04	-0.28	-4.81	0.0	0.0	0.0
46	11	0.04	-0.25	-4.38	0.0	0.0	0.0
46	12	0.04	-0.28	-4.81	0.0	0.0	0.0
46	13	0.03	-0.21	-3.90	0.0	0.0	0.0
46	14	0.03	-0.21	-4.08	0.0	0.0	0.0
46	15	0.03	-0.22	-4.06	0.0	0.0	0.0
46	16	0.03	-0.21	-3.90	0.0	0.0	0.0
46	17	0.03	-0.21	-3.90	0.0	0.0	0.0
46	18	0.03	-0.21	-3.90	0.0	0.0	0.0
46	19	0.03	-0.21	-3.90	0.0	0.0	0.0
46	20	0.03	-0.21	-3.90	0.0	0.0	0.0
46	21	0.05	-0.34	-5.78	0.0	0.0	0.0
46	22	0.06	-0.41	-7.10	0.0	0.0	0.0
46	23	0.04	-0.28	-4.61	0.0	0.0	0.0



46	24	0.05	-0.35	-5.92	0.0	0.0	0.0
46	25	0.06	-0.39	-6.26	0.0	0.0	0.0
46	26	0.06	-0.42	-6.91	0.0	0.0	0.0
46	27	0.05	-0.33	-5.09	0.0	0.0	0.0
46	28	0.05	-0.36	-5.74	0.0	0.0	0.0
46	29	0.05	-0.34	-5.78	0.0	0.0	0.0
46	30	0.06	-0.37	-6.44	0.0	0.0	0.0
46	31	0.04	-0.28	-4.61	0.0	0.0	0.0
46	32	0.05	-0.31	-5.27	0.0	0.0	0.0
46	33	0.05	-0.34	-5.78	0.0	0.0	0.0
46	34	0.06	-0.37	-6.44	0.0	0.0	0.0
46	35	0.04	-0.28	-4.61	0.0	0.0	0.0
46	36	0.05	-0.31	-5.27	0.0	0.0	0.0
46	37	0.05	-0.34	-5.78	0.0	0.0	0.0
46	38	0.06	-0.37	-6.44	0.0	0.0	0.0
46	39	0.04	-0.28	-4.61	0.0	0.0	0.0
46	40	0.05	-0.31	-5.27	0.0	0.0	0.0
46	41	0.05	-0.34	-5.78	0.0	0.0	0.0
46	42	0.06	-0.37	-6.44	0.0	0.0	0.0
46	43	0.04	-0.28	-4.61	0.0	0.0	0.0
46	44	0.05	-0.31	-5.27	0.0	0.0	0.0
46	45	0.03	-0.21	-3.90	0.0	0.0	0.0
47	1	-0.14	-4.24e-03	-9.97	0.0	0.0	0.0
47	2	-0.16	-5.26e-03	-11.78	0.0	0.0	0.0
47	3	-0.15	-4.24e-03	-11.20	0.0	0.0	0.0
47	4	-0.16	-4.75e-03	-12.10	0.0	0.0	0.0
47	5	-0.14	-4.24e-03	-9.97	0.0	0.0	0.0
47	6	-0.15	-4.75e-03	-10.88	0.0	0.0	0.0
47	7	-0.14	-4.24e-03	-9.97	0.0	0.0	0.0
47	8	-0.15	-4.75e-03	-10.88	0.0	0.0	0.0
47	9	-0.14	-4.24e-03	-9.97	0.0	0.0	0.0
47	10	-0.15	-4.75e-03	-10.88	0.0	0.0	0.0
47	11	-0.14	-4.24e-03	-9.97	0.0	0.0	0.0
47	12	-0.15	-4.75e-03	-10.88	0.0	0.0	0.0
47	13	-0.11	-4.24e-03	-8.14	0.0	0.0	0.0
47	14	-0.12	-4.45e-03	-8.50	0.0	0.0	0.0
47	15	-0.12	-4.24e-03	-8.75	0.0	0.0	0.0
47	16	-0.11	-4.24e-03	-8.14	0.0	0.0	0.0
47	17	-0.11	-4.24e-03	-8.14	0.0	0.0	0.0
47	18	-0.11	-4.24e-03	-8.14	0.0	0.0	0.0
47	19	-0.11	-4.24e-03	-8.14	0.0	0.0	0.0
47	20	-0.11	-4.24e-03	-8.14	0.0	0.0	0.0
47	21	-0.18	-5.52e-03	-13.33	0.0	0.0	0.0
47	22	-0.22	-7.05e-03	-16.04	0.0	0.0	0.0
47	23	-0.15	-4.24e-03	-10.89	0.0	0.0	0.0
47	24	-0.18	-5.78e-03	-13.60	0.0	0.0	0.0
47	25	-0.20	-5.52e-03	-15.17	0.0	0.0	0.0
47	26	-0.22	-6.28e-03	-16.53	0.0	0.0	0.0
47	27	-0.17	-4.24e-03	-12.73	0.0	0.0	0.0
47	28	-0.19	-5.01e-03	-14.08	0.0	0.0	0.0
47	29	-0.18	-5.52e-03	-13.33	0.0	0.0	0.0
47	30	-0.20	-6.28e-03	-14.69	0.0	0.0	0.0
47	31	-0.15	-4.24e-03	-10.89	0.0	0.0	0.0
47	32	-0.17	-5.01e-03	-12.25	0.0	0.0	0.0
47	33	-0.18	-5.52e-03	-13.33	0.0	0.0	0.0
47	34	-0.20	-6.28e-03	-14.69	0.0	0.0	0.0
47	35	-0.15	-4.24e-03	-10.89	0.0	0.0	0.0
47	36	-0.17	-5.01e-03	-12.25	0.0	0.0	0.0
47	37	-0.18	-5.52e-03	-13.33	0.0	0.0	0.0
47	38	-0.20	-6.28e-03	-14.69	0.0	0.0	0.0
47	39	-0.15	-4.24e-03	-10.89	0.0	0.0	0.0
47	40	-0.17	-5.01e-03	-12.25	0.0	0.0	0.0
47	41	-0.18	-5.52e-03	-13.33	0.0	0.0	0.0
47	42	-0.20	-6.28e-03	-14.69	0.0	0.0	0.0
47	43	-0.15	-4.24e-03	-10.89	0.0	0.0	0.0
47	44	-0.17	-5.01e-03	-12.25	0.0	0.0	0.0
47	45	-0.11	-4.24e-03	-8.14	0.0	0.0	0.0
49	1	0.04	0.26	-2.59	0.0	0.0	0.0
49	2	0.04	0.30	-3.03	0.0	0.0	0.0
49	3	0.04	0.29	-2.90	0.0	0.0	0.0
49	4	0.05	0.31	-3.13	0.0	0.0	0.0
49	5	0.04	0.26	-2.59	0.0	0.0	0.0
49	6	0.04	0.28	-2.81	0.0	0.0	0.0
49	7	0.04	0.26	-2.59	0.0	0.0	0.0
49	8	0.04	0.28	-2.81	0.0	0.0	0.0
49	9	0.04	0.26	-2.59	0.0	0.0	0.0
49	10	0.04	0.28	-2.81	0.0	0.0	0.0



49	11	0.04	0.26	-2.59	0.0	0.0	0.0
49	12	0.04	0.28	-2.81	0.0	0.0	0.0
49	13	0.03	0.21	-2.11	0.0	0.0	0.0
49	14	0.03	0.22	-2.20	0.0	0.0	0.0
49	15	0.03	0.23	-2.27	0.0	0.0	0.0
49	16	0.03	0.21	-2.11	0.0	0.0	0.0
49	17	0.03	0.21	-2.11	0.0	0.0	0.0
49	18	0.03	0.21	-2.11	0.0	0.0	0.0
49	19	0.03	0.21	-2.11	0.0	0.0	0.0
49	20	0.03	0.21	-2.11	0.0	0.0	0.0
49	21	0.05	0.35	-3.46	0.0	0.0	0.0
49	22	0.06	0.42	-4.12	0.0	0.0	0.0
49	23	0.04	0.28	-2.83	0.0	0.0	0.0
49	24	0.05	0.35	-3.49	0.0	0.0	0.0
49	25	0.06	0.39	-3.93	0.0	0.0	0.0
49	26	0.06	0.43	-4.27	0.0	0.0	0.0
49	27	0.05	0.33	-3.30	0.0	0.0	0.0
49	28	0.05	0.37	-3.63	0.0	0.0	0.0
49	29	0.05	0.35	-3.46	0.0	0.0	0.0
49	30	0.06	0.38	-3.79	0.0	0.0	0.0
49	31	0.04	0.28	-2.83	0.0	0.0	0.0
49	32	0.05	0.32	-3.16	0.0	0.0	0.0
49	33	0.05	0.35	-3.46	0.0	0.0	0.0
49	34	0.06	0.38	-3.79	0.0	0.0	0.0
49	35	0.04	0.28	-2.83	0.0	0.0	0.0
49	36	0.05	0.32	-3.16	0.0	0.0	0.0
49	37	0.05	0.35	-3.46	0.0	0.0	0.0
49	38	0.06	0.38	-3.79	0.0	0.0	0.0
49	39	0.04	0.28	-2.83	0.0	0.0	0.0
49	40	0.05	0.32	-3.16	0.0	0.0	0.0
49	41	0.05	0.35	-3.46	0.0	0.0	0.0
49	42	0.06	0.38	-3.79	0.0	0.0	0.0
49	43	0.04	0.28	-2.83	0.0	0.0	0.0
49	44	0.05	0.32	-3.16	0.0	0.0	0.0
49	45	0.03	0.21	-2.11	0.0	0.0	0.0

Nodo	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
	-0.22	-31.66	-16.99	0.0	0.0	0.0
	0.22	31.66	-2.11	0.0	0.0	0.0

Nodo	Cmb	Azione X kN	Azione Y kN	Azione Z kN	Azione RX kN m	Azione RY kN m	Azione RZ kN m
1	26	-0.06	-0.43	-4.27	0.0	0.0	0.0
	13	-0.03	-0.21	-2.11	0.0	0.0	0.0
	1	-0.04	-0.26	-2.59	0.0	0.0	0.0
	1	-0.04	-0.26	-2.59	0.0	0.0	0.0
	1	-0.04	-0.26	-2.59	0.0	0.0	0.0
	1	-0.04	-0.26	-2.59	0.0	0.0	0.0
2	26	0.22	6.28e-03	-16.53	0.0	0.0	0.0
	13	0.11	4.24e-03	-8.14	0.0	0.0	0.0
	1	0.14	4.24e-03	-9.97	0.0	0.0	0.0
	1	0.14	4.24e-03	-9.97	0.0	0.0	0.0
	1	0.14	4.24e-03	-9.97	0.0	0.0	0.0
	1	0.14	4.24e-03	-9.97	0.0	0.0	0.0
4	22	-0.06	0.41	-7.10	0.0	0.0	0.0
	13	-0.03	0.21	-3.90	0.0	0.0	0.0
	1	-0.04	0.25	-4.38	0.0	0.0	0.0
	1	-0.04	0.25	-4.38	0.0	0.0	0.0
	1	-0.04	0.25	-4.38	0.0	0.0	0.0
6	26	-0.05	-19.58	-10.96	0.0	0.0	0.0
	13	-0.02	-10.01	-5.74	0.0	0.0	0.0
	1	-0.03	-11.98	-6.77	0.0	0.0	0.0
	1	-0.03	-11.98	-6.77	0.0	0.0	0.0
	1	-0.03	-11.98	-6.77	0.0	0.0	0.0
	1	-0.03	-11.98	-6.77	0.0	0.0	0.0
9	22	-0.05	19.27	-13.84	0.0	0.0	0.0
	13	-0.02	10.01	-7.55	0.0	0.0	0.0
	1	-0.03	11.98	-8.58	0.0	0.0	0.0
	1	-0.03	11.98	-8.58	0.0	0.0	0.0
	1	-0.03	11.98	-8.58	0.0	0.0	0.0
	1	-0.03	11.98	-8.58	0.0	0.0	0.0
11	22	-0.02	-29.09	-16.36	0.0	0.0	0.0
	13	-0.01	-15.29	-8.88	0.0	0.0	0.0
	1	-0.01	-18.03	-10.13	0.0	0.0	0.0
	1	-0.01	-18.03	-10.13	0.0	0.0	0.0



	1	-0.01	-18.03	-10.13	0.0	0.0	0.0
	1	-0.01	-18.03	-10.13	0.0	0.0	0.0
14	22	-0.02	29.09	-16.31	0.0	0.0	0.0
	13	-0.01	15.30	-8.85	0.0	0.0	0.0
	1	-0.01	18.03	-10.10	0.0	0.0	0.0
	1	-0.01	18.03	-10.10	0.0	0.0	0.0
	1	-0.01	18.03	-10.10	0.0	0.0	0.0
16	22	-4.03e-03	-31.59	-16.99	0.0	0.0	0.0
	13	-2.32e-03	-16.70	-9.24	0.0	0.0	0.0
	1	-2.45e-03	-19.56	-10.51	0.0	0.0	0.0
	1	-2.45e-03	-19.56	-10.51	0.0	0.0	0.0
	1	-2.45e-03	-19.56	-10.51	0.0	0.0	0.0
19	22	-4.05e-03	31.59	-16.97	0.0	0.0	0.0
	13	-2.33e-03	16.70	-9.23	0.0	0.0	0.0
	1	-2.46e-03	19.56	-10.50	0.0	0.0	0.0
	1	-2.46e-03	19.56	-10.50	0.0	0.0	0.0
	1	-2.46e-03	19.56	-10.50	0.0	0.0	0.0
21	22	-5.69e-05	-31.65	-16.98	0.0	0.0	0.0
	13	-8.43e-05	-16.77	-9.24	0.0	0.0	0.0
	1	-2.12e-05	-19.59	-10.51	0.0	0.0	0.0
	1	-2.12e-05	-19.59	-10.51	0.0	0.0	0.0
	1	-2.12e-05	-19.59	-10.51	0.0	0.0	0.0
24	22	-6.62e-05	31.65	-16.97	0.0	0.0	0.0
	13	-9.00e-05	16.77	-9.24	0.0	0.0	0.0
	1	-2.69e-05	19.59	-10.50	0.0	0.0	0.0
	1	-2.69e-05	19.59	-10.50	0.0	0.0	0.0
	1	-2.69e-05	19.59	-10.50	0.0	0.0	0.0
26	22	6.62e-05	-31.65	-16.97	0.0	0.0	0.0
	13	9.00e-05	-16.77	-9.24	0.0	0.0	0.0
	1	2.69e-05	-19.59	-10.50	0.0	0.0	0.0
	1	2.69e-05	-19.59	-10.50	0.0	0.0	0.0
	1	2.69e-05	-19.59	-10.50	0.0	0.0	0.0
29	22	5.69e-05	31.65	-16.98	0.0	0.0	0.0
	13	8.43e-05	16.77	-9.24	0.0	0.0	0.0
	1	2.12e-05	19.59	-10.51	0.0	0.0	0.0
	1	2.12e-05	19.59	-10.51	0.0	0.0	0.0
	1	2.12e-05	19.59	-10.51	0.0	0.0	0.0
31	22	4.05e-03	-31.59	-16.97	0.0	0.0	0.0
	13	2.33e-03	-16.70	-9.23	0.0	0.0	0.0
	1	2.46e-03	-19.56	-10.50	0.0	0.0	0.0
	1	2.46e-03	-19.56	-10.50	0.0	0.0	0.0
	1	2.46e-03	-19.56	-10.50	0.0	0.0	0.0
34	22	4.03e-03	31.59	-16.99	0.0	0.0	0.0
	13	2.32e-03	16.70	-9.24	0.0	0.0	0.0
	1	2.45e-03	19.56	-10.51	0.0	0.0	0.0
	1	2.45e-03	19.56	-10.51	0.0	0.0	0.0
	1	2.45e-03	19.56	-10.51	0.0	0.0	0.0
36	22	0.02	-29.09	-16.31	0.0	0.0	0.0
	13	0.01	-15.30	-8.85	0.0	0.0	0.0
	1	0.01	-18.03	-10.10	0.0	0.0	0.0
	1	0.01	-18.03	-10.10	0.0	0.0	0.0
	1	0.01	-18.03	-10.10	0.0	0.0	0.0
39	22	0.02	29.09	-16.36	0.0	0.0	0.0
	13	0.01	15.29	-8.88	0.0	0.0	0.0
	1	0.01	18.03	-10.13	0.0	0.0	0.0
	1	0.01	18.03	-10.13	0.0	0.0	0.0
	1	0.01	18.03	-10.13	0.0	0.0	0.0
41	22	0.05	-19.27	-13.84	0.0	0.0	0.0
	13	0.02	-10.01	-7.55	0.0	0.0	0.0
	1	0.03	-11.98	-8.58	0.0	0.0	0.0
	1	0.03	-11.98	-8.58	0.0	0.0	0.0
	1	0.03	-11.98	-8.58	0.0	0.0	0.0
44	26	0.05	19.58	-10.96	0.0	0.0	0.0
	13	0.02	10.01	-5.74	0.0	0.0	0.0
	1	0.03	11.98	-6.77	0.0	0.0	0.0



	1	0.03	11.98	-6.77	0.0	0.0	0.0
	1	0.03	11.98	-6.77	0.0	0.0	0.0
	1	0.03	11.98	-6.77	0.0	0.0	0.0
46	22	0.06	-0.41	-7.10	0.0	0.0	0.0
	13	0.03	-0.21	-3.90	0.0	0.0	0.0
	1	0.04	-0.25	-4.38	0.0	0.0	0.0
	1	0.04	-0.25	-4.38	0.0	0.0	0.0
	1	0.04	-0.25	-4.38	0.0	0.0	0.0
47	1	0.04	-0.25	-4.38	0.0	0.0	0.0
	26	-0.22	-6.28e-03	-16.53	0.0	0.0	0.0
	13	-0.11	-4.24e-03	-8.14	0.0	0.0	0.0
	1	-0.14	-4.24e-03	-9.97	0.0	0.0	0.0
	1	-0.14	-4.24e-03	-9.97	0.0	0.0	0.0
	1	-0.14	-4.24e-03	-9.97	0.0	0.0	0.0
49	1	-0.14	-4.24e-03	-9.97	0.0	0.0	0.0
	26	0.06	0.43	-4.27	0.0	0.0	0.0
	13	0.03	0.21	-2.11	0.0	0.0	0.0
	1	0.04	0.26	-2.59	0.0	0.0	0.0
	1	0.04	0.26	-2.59	0.0	0.0	0.0
	1	0.04	0.26	-2.59	0.0	0.0	0.0
	1	0.04	0.26	-2.59	0.0	0.0	0.0



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 **pilastr**
- tipo **trave in elevazione**
- tipo **trave in fondazione**

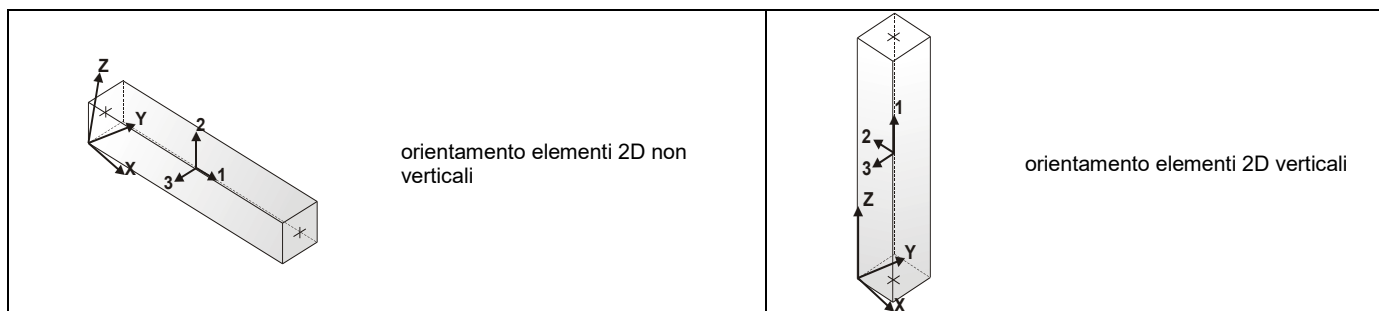
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

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



Trave	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
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
1	1	0.0	0.0	-2.41e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-1.85e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	2	0.0	0.0	-2.70e-04	-0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.20	0.0	-2.20e-06	0.0	50.4	0.10	-0.80	0.0	0.0	0.0	-0.20
1	3	0.0	0.0	-3.07e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-2.06e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	4	0.0	0.0	-3.22e-04	-0.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.18	0.0	-2.24e-06	0.0	50.4	0.09	-0.73	0.0	0.0	0.0	-0.18
1	5	0.0	0.0	-2.41e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-1.85e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	6	0.0	0.0	-2.56e-04	-0.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.18	0.0	-2.03e-06	0.0	50.4	0.09	-0.73	0.0	0.0	0.0	-0.18
1	7	0.0	0.0	-2.41e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-1.85e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	8	0.0	0.0	-2.56e-04	-0.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.18	0.0	-2.03e-06	0.0	50.4	0.09	-0.73	0.0	0.0	0.0	-0.18
1	9	0.0	0.0	-2.41e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-1.85e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	10	0.0	0.0	-2.56e-04	-0.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.18	0.0	-2.03e-06	0.0	50.4	0.09	-0.73	0.0	0.0	0.0	-0.18
1	11	0.0	0.0	-2.41e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-1.85e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	12	0.0	0.0	-2.56e-04	-0.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.18	0.0	-2.03e-06	0.0	50.4	0.09	-0.73	0.0	0.0	0.0	-0.18
1	13	0.0	0.0	-1.42e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-1.53e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	14	0.0	0.0	-1.48e-04	-0.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.17	0.0	-1.60e-06	0.0	50.4	0.08	-0.68	0.0	0.0	0.0	-0.17
1	15	0.0	0.0	-1.75e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-1.64e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	16	0.0	0.0	-1.42e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-1.53e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	17	0.0	0.0	-1.42e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-1.53e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	18	0.0	0.0	-1.42e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-1.53e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	19	0.0	0.0	-1.42e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-1.53e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	20	0.0	0.0	-1.42e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-1.53e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	21	0.0	0.0	-3.34e-04	-0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.21	0.0	-2.47e-06	0.0	50.4	0.10	-0.85	0.0	0.0	0.0	-0.21
1	22	0.0	0.0	-3.77e-04	-1.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.27	0.0	-3.00e-06	0.0	50.4	0.13	-1.07	0.0	0.0	0.0	-0.27
1	23	0.0	0.0	-2.91e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-2.01e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	24	0.0	0.0	-3.34e-04	-0.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.22	0.0	-2.54e-06	0.0	50.4	0.11	-0.88	0.0	0.0	0.0	-0.22
1	25	0.0	0.0	-4.33e-04	-0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.21	0.0	-2.78e-06	0.0	50.4	0.10	-0.85	0.0	0.0	0.0	-0.21
1	26	0.0	0.0	-4.54e-04	-0.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.24	0.0	-3.05e-06	0.0	50.4	0.12	-0.96	0.0	0.0	0.0	-0.24
1	27	0.0	0.0	-3.90e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-2.32e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	28	0.0	0.0	-4.12e-04	-0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.19	0.0	-2.59e-06	0.0	50.4	0.09	-0.77	0.0	0.0	0.0	-0.19
1	29	0.0	0.0	-3.34e-04	-0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.21	0.0	-2.47e-06	0.0	50.4	0.10	-0.85	0.0	0.0	0.0	-0.21
1	30	0.0	0.0	-3.55e-04	-0.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.24	0.0	-2.73e-06	0.0	50.4	0.12	-0.96	0.0	0.0	0.0	-0.24
1	31	0.0	0.0	-2.91e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-2.01e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	32	0.0	0.0	-3.13e-04	-0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.19	0.0	-2.27e-06	0.0	50.4	0.09	-0.77	0.0	0.0	0.0	-0.19
1	33	0.0	0.0	-3.34e-04	-0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.21	0.0	-2.47e-06	0.0	50.4	0.10	-0.85	0.0	0.0	0.0	-0.21
1	34	0.0	0.0	-3.55e-04	-0.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.24	0.0	-2.73e-06	0.0	50.4	0.12	-0.96	0.0	0.0	0.0	-0.24
1	35	0.0	0.0	-2.91e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-2.01e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
1	36	0.0	0.0	-3.13e-04	-0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.19	0.0	-2.27e-06	0.0	50.4	0.09	-0.77	0.0	0.0	0.0	-0.19
1	37	0.0	0.0	-3.34e-04	-0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0



1	38	-0.21	0.0	-2.47e-06	0.0	50.4	0.10	-0.85	0.0	0.0	0.0	0.0	-0.21
		0.0	0.0	-3.55e-04	-0.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.24	0.0	-2.73e-06	0.0	50.4	0.12	-0.96	0.0	0.0	0.0	0.0	-0.24
1	39	0.0	0.0	-2.91e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-2.01e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	0.0	-0.16
1	40	0.0	0.0	-3.13e-04	-0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.19	0.0	-2.27e-06	0.0	50.4	0.09	-0.77	0.0	0.0	0.0	0.0	-0.19
1	41	0.0	0.0	-3.34e-04	-0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.21	0.0	-2.47e-06	0.0	50.4	0.10	-0.85	0.0	0.0	0.0	0.0	-0.21
1	42	0.0	0.0	-3.55e-04	-0.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.24	0.0	-2.73e-06	0.0	50.4	0.12	-0.96	0.0	0.0	0.0	0.0	-0.24
1	43	0.0	0.0	-2.91e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-2.01e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	0.0	-0.16
1	44	0.0	0.0	-3.13e-04	-0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.19	0.0	-2.27e-06	0.0	50.4	0.09	-0.77	0.0	0.0	0.0	0.0	-0.19
1	45	0.0	0.0	-1.42e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	-1.53e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	0.0	-0.16
2	1	0.79	0.08	-4.25e-04	-4.92	0.0	-0.68	1.70	0.04	0.01	-0.04	0.08	-0.07
		-2.33	-0.04	-5.14e-05	0.0	295.7	0.68	-3.23	0.04	0.01	0.08	0.08	-2.33
2	2	0.91	0.09	-4.77e-04	-5.75	0.0	-0.80	1.97	0.04	0.01	-0.04	0.08	-0.08
		-2.75	-0.04	-6.08e-05	0.0	295.7	0.80	-3.78	0.04	0.01	0.09	0.09	-2.75
2	3	0.97	0.08	-5.34e-04	-5.72	0.0	-0.79	2.00	0.04	0.01	-0.04	0.08	-0.06
		-2.62	-0.04	-5.70e-05	0.0	295.7	0.79	-3.73	0.04	0.01	0.08	0.08	-2.62
2	4	1.02	0.09	-5.61e-04	-6.13	0.0	-0.85	2.13	0.05	0.01	-0.04	0.08	-0.07
		-2.83	-0.04	-6.17e-05	0.0	295.7	0.85	-4.00	0.05	0.01	0.09	0.09	-2.83
2	5	0.79	0.08	-4.25e-04	-4.92	0.0	-0.68	1.70	0.04	0.01	-0.04	0.08	-0.07
		-2.33	-0.04	-5.14e-05	0.0	295.7	0.68	-3.23	0.04	0.01	0.08	0.08	-2.33
2	6	0.85	0.08	-4.51e-04	-5.34	0.0	-0.74	1.83	0.04	0.01	-0.04	0.08	-0.08
		-2.54	-0.04	-5.61e-05	0.0	295.7	0.74	-3.50	0.04	0.01	0.08	0.08	-2.54
2	7	0.79	0.08	-4.25e-04	-4.92	0.0	-0.68	1.70	0.04	0.01	-0.04	0.08	-0.07
		-2.33	-0.04	-5.14e-05	0.0	295.7	0.68	-3.23	0.04	0.01	0.08	0.08	-2.33
2	8	0.85	0.08	-4.51e-04	-5.34	0.0	-0.74	1.83	0.04	0.01	-0.04	0.08	-0.08
		-2.54	-0.04	-5.61e-05	0.0	295.7	0.74	-3.50	0.04	0.01	0.08	0.08	-2.54
2	9	0.79	0.08	-4.25e-04	-4.92	0.0	-0.68	1.70	0.04	0.01	-0.04	0.08	-0.07
		-2.33	-0.04	-5.14e-05	0.0	295.7	0.68	-3.23	0.04	0.01	0.08	0.08	-2.33
2	10	0.85	0.08	-4.51e-04	-5.34	0.0	-0.74	1.83	0.04	0.01	-0.04	0.08	-0.08
		-2.54	-0.04	-5.61e-05	0.0	295.7	0.74	-3.50	0.04	0.01	0.08	0.08	-2.54
2	11	0.79	0.08	-4.25e-04	-4.92	0.0	-0.68	1.70	0.04	0.01	-0.04	0.08	-0.07
		-2.33	-0.04	-5.14e-05	0.0	295.7	0.68	-3.23	0.04	0.01	0.08	0.08	-2.33
2	12	0.85	0.08	-4.51e-04	-5.34	0.0	-0.74	1.83	0.04	0.01	-0.04	0.08	-0.08
		-2.54	-0.04	-5.61e-05	0.0	295.7	0.74	-3.50	0.04	0.01	0.08	0.08	-2.54
2	13	0.54	0.06	-2.60e-04	-3.73	0.0	-0.52	1.25	0.03	9.05e-03	-0.03	0.06	-0.08
		-1.89	-0.03	-4.30e-05	0.0	295.7	0.52	-2.48	0.03	9.05e-03	0.06	0.06	-1.89
2	14	0.56	0.07	-2.71e-04	-3.89	0.0	-0.54	1.31	0.03	9.45e-03	-0.03	0.06	-0.08
		-1.97	-0.03	-4.49e-05	0.0	295.7	0.54	-2.59	0.03	9.45e-03	0.07	0.06	-1.97
2	15	0.62	0.07	-3.15e-04	-4.13	0.0	-0.57	1.40	0.03	9.64e-03	-0.03	0.06	-0.07
		-2.03	-0.03	-4.58e-05	0.0	295.7	0.57	-2.73	0.03	9.64e-03	0.07	0.06	-2.03
2	16	0.54	0.06	-2.60e-04	-3.73	0.0	-0.52	1.25	0.03	9.05e-03	-0.03	0.06	-0.08
		-1.89	-0.03	-4.30e-05	0.0	295.7	0.52	-2.48	0.03	9.05e-03	0.06	0.06	-1.89
2	17	0.54	0.06	-2.60e-04	-3.73	0.0	-0.52	1.25	0.03	9.05e-03	-0.03	0.06	-0.08
		-1.89	-0.03	-4.30e-05	0.0	295.7	0.52	-2.48	0.03	9.05e-03	0.06	0.06	-1.89
2	18	0.54	0.06	-2.60e-04	-3.73	0.0	-0.52	1.25	0.03	9.05e-03	-0.03	0.06	-0.08
		-1.89	-0.03	-4.30e-05	0.0	295.7	0.52	-2.48	0.03	9.05e-03	0.06	0.06	-1.89
2	19	0.54	0.06	-2.60e-04	-3.73	0.0	-0.52	1.25	0.03	9.05e-03	-0.03	0.06	-0.08
		-1.89	-0.03	-4.30e-05	0.0	295.7	0.52	-2.48	0.03	9.05e-03	0.06	0.06	-1.89
2	20	0.54	0.06	-2.60e-04	-3.73	0.0	-0.52	1.25	0.03	9.05e-03	-0.03	0.06	-0.08
		-1.89	-0.03	-4.30e-05	0.0	295.7	0.52	-2.48	0.03	9.05e-03	0.06	0.06	-1.89
2	21	1.08	0.10	-5.85e-04	-6.64	0.0	-0.92	2.30	0.05	0.01	-0.05	0.10	-0.08
		-3.11	-0.05	-6.85e-05	0.0	295.7	0.92	-4.34	0.05	0.01	0.10	0.10	-3.11
2	22	1.25	0.12	-6.64e-04	-7.88	0.0	-1.09	2.71	0.06	0.02	-0.06	0.12	-0.11
		-3.75	-0.06	-8.27e-05	0.0	295.7	1.09	-5.17	0.06	0.02	0.12	0.12	-3.75
2	23	0.92	0.08	-5.07e-04	-5.52	0.0	-0.77	1.92	0.04	0.01	-0.04	0.08	-0.06
		-2.54	-0.04	-5.56e-05	0.0	295.7	0.77	-3.60	0.04	0.01	0.08	0.08	-2.54
2	24	1.09	0.10	-5.86e-04	-6.76	0.0	-0.94	2.33	0.05	0.01	-0.05	0.10	-0.09
		-3.19	-0.05	-6.98e-05	0.0	295.7	0.94	-4.43	0.05	0.01	0.10	0.10	-3.19
2	25	1.34	0.11	-7.49e-04	-7.84	0.0	-1.09	2.74	0.06	0.02	-0.05	0.11	-0.07
		-3.55	-0.05	-7.69e-05	0.0	295.7	1.09	-5.09	0.06	0.02	0.11	0.11	-3.55
2	26	1.43	0.12	-7.89e-04	-8.46	0.0	-1.17	2.95	0.06	0.02	-0.06	0.12	-0.09
		-3.87	-0.06	-8.40e-05	0.0	295.7	1.17	-5.51	0.06	0.02	0.12	0.12	-3.87
2	27	1.18	0.10	-6.71e-04	-6.72	0.0	-0.93	2.37	0.05	0.01	-0.04	0.10	-0.05
		-2.98	-0.04	-6.40e-05	0.0	295.7	0.93	-4.35	0.05	0.01	0.10	0.10	-2.98
2	28	1.27	0.11	-7.11e-04	-7.34	0.0	-1.02	2.57	0.05	0.01	-0.05	0.11	-0.06
		-3.30	-0.05	-7.11e-05	0.0	295.7	1.02	-4.76	0.05	0.01	0.11	0.11	-3.30
2	29	1.08	0.10	-5.85e-04	-6.64	0.0	-0.92	2.30	0.05	0.01	-0.05	0.10	-0.08
		-3.11	-0.05	-6.85e-05	0.0	295.7	0.92	-4.34	0.05	0.01	0.10	0.10	-3.11
2	30	1.17	0.11	-6.24e-04	-7.26	0.0	-1.01	2.50	0.06	0.02	-0.05	0.11	-0.10
		-3.43	-0.05	-7.56e-05	0.0	295.7	1.01	-4.76	0.06	0.02	0.11	0.11	-3.43



2	31	0.92	0.08	-5.07e-04	-5.52	0.0	-0.77	1.92	0.04	0.01	-0.04	-0.06
		-2.54	-0.04	-5.56e-05	0.0	295.7	0.77	-3.60	0.04	0.01	0.08	-2.54
2	32	1.01	0.09	-5.46e-04	-6.14	0.0	-0.85	2.13	0.05	0.01	-0.04	-0.07
		-2.87	-0.04	-6.27e-05	0.0	295.7	0.85	-4.01	0.05	0.01	0.09	-2.87
2	33	1.08	0.10	-5.85e-04	-6.64	0.0	-0.92	2.30	0.05	0.01	-0.05	-0.08
		-3.11	-0.05	-6.85e-05	0.0	295.7	0.92	-4.34	0.05	0.01	0.10	-3.11
2	34	1.17	0.11	-6.24e-04	-7.26	0.0	-1.01	2.50	0.06	0.02	-0.05	-0.10
		-3.43	-0.05	-7.56e-05	0.0	295.7	1.01	-4.76	0.06	0.02	0.11	-3.43
2	35	0.92	0.08	-5.07e-04	-5.52	0.0	-0.77	1.92	0.04	0.01	-0.04	-0.06
		-2.54	-0.04	-5.56e-05	0.0	295.7	0.77	-3.60	0.04	0.01	0.08	-2.54
2	36	1.01	0.09	-5.46e-04	-6.14	0.0	-0.85	2.13	0.05	0.01	-0.04	-0.07
		-2.87	-0.04	-6.27e-05	0.0	295.7	0.85	-4.01	0.05	0.01	0.09	-2.87
2	37	1.08	0.10	-5.85e-04	-6.64	0.0	-0.92	2.30	0.05	0.01	-0.05	-0.08
		-3.11	-0.05	-6.85e-05	0.0	295.7	0.92	-4.34	0.05	0.01	0.10	-3.11
2	38	1.17	0.11	-6.24e-04	-7.26	0.0	-1.01	2.50	0.06	0.02	-0.05	-0.10
		-3.43	-0.05	-7.56e-05	0.0	295.7	1.01	-4.76	0.06	0.02	0.11	-3.43
2	39	0.92	0.08	-5.07e-04	-5.52	0.0	-0.77	1.92	0.04	0.01	-0.04	-0.06
		-2.54	-0.04	-5.56e-05	0.0	295.7	0.77	-3.60	0.04	0.01	0.08	-2.54
2	40	1.01	0.09	-5.46e-04	-6.14	0.0	-0.85	2.13	0.05	0.01	-0.04	-0.07
		-2.87	-0.04	-6.27e-05	0.0	295.7	0.85	-4.01	0.05	0.01	0.09	-2.87
2	41	1.08	0.10	-5.85e-04	-6.64	0.0	-0.92	2.30	0.05	0.01	-0.05	-0.08
		-3.11	-0.05	-6.85e-05	0.0	295.7	0.92	-4.34	0.05	0.01	0.10	-3.11
2	42	1.17	0.11	-6.24e-04	-7.26	0.0	-1.01	2.50	0.06	0.02	-0.05	-0.10
		-3.43	-0.05	-7.56e-05	0.0	295.7	1.01	-4.76	0.06	0.02	0.11	-3.43
2	43	0.92	0.08	-5.07e-04	-5.52	0.0	-0.77	1.92	0.04	0.01	-0.04	-0.06
		-2.54	-0.04	-5.56e-05	0.0	295.7	0.77	-3.60	0.04	0.01	0.08	-2.54
2	44	1.01	0.09	-5.46e-04	-6.14	0.0	-0.85	2.13	0.05	0.01	-0.04	-0.07
		-2.87	-0.04	-6.27e-05	0.0	295.7	0.85	-4.01	0.05	0.01	0.09	-2.87
2	45	0.54	0.06	-2.60e-04	-3.73	0.0	-0.52	1.25	0.03	9.05e-03	-0.03	-0.08
		-1.89	-0.03	-4.30e-05	0.0	295.7	0.52	-2.48	0.03	9.05e-03	0.06	-1.89
3	1	1.93	0.08	-1.35e-03	-8.34	0.0	1.16	4.92	-0.04	-0.01	0.08	-2.36
		-2.36	-0.04	-5.14e-05	0.0	295.7	-1.16	-3.42	-0.04	-0.01	-0.04	-0.14
3	2	2.31	0.09	-1.63e-03	-9.99	0.0	1.38	5.88	-0.04	-0.01	0.09	-2.79
		-2.79	-0.04	-6.09e-05	0.0	295.7	-1.38	-4.11	-0.04	-0.01	-0.04	-0.18
3	3	2.09	0.08	-1.46e-03	-9.14	0.0	1.27	5.42	-0.04	-0.01	0.08	-2.65
		-2.65	-0.04	-5.70e-05	0.0	295.7	-1.27	-3.72	-0.04	-0.01	-0.04	-0.13
3	4	2.29	0.09	-1.60e-03	-9.97	0.0	1.38	5.90	-0.05	-0.01	0.09	-2.87
		-2.87	-0.04	-6.17e-05	0.0	295.7	-1.38	-4.06	-0.05	-0.01	-0.04	-0.15
3	5	1.93	0.08	-1.35e-03	-8.34	0.0	1.16	4.92	-0.04	-0.01	0.08	-2.36
		-2.36	-0.04	-5.14e-05	0.0	295.7	-1.16	-3.42	-0.04	-0.01	-0.04	-0.14
3	6	2.12	0.08	-1.49e-03	-9.17	0.0	1.27	5.40	-0.04	-0.01	0.08	-2.58
		-2.58	-0.04	-5.62e-05	0.0	295.7	-1.27	-3.77	-0.04	-0.01	-0.04	-0.16
3	7	1.93	0.08	-1.35e-03	-8.34	0.0	1.16	4.92	-0.04	-0.01	0.08	-2.36
		-2.36	-0.04	-5.14e-05	0.0	295.7	-1.16	-3.42	-0.04	-0.01	-0.04	-0.14
3	8	2.12	0.08	-1.49e-03	-9.17	0.0	1.27	5.40	-0.04	-0.01	0.08	-2.58
		-2.58	-0.04	-5.62e-05	0.0	295.7	-1.27	-3.77	-0.04	-0.01	-0.04	-0.16
3	9	1.93	0.08	-1.35e-03	-8.34	0.0	1.16	4.92	-0.04	-0.01	0.08	-2.36
		-2.36	-0.04	-5.14e-05	0.0	295.7	-1.16	-3.42	-0.04	-0.01	-0.04	-0.14
3	10	2.12	0.08	-1.49e-03	-9.17	0.0	1.27	5.40	-0.04	-0.01	0.08	-2.58
		-2.58	-0.04	-5.62e-05	0.0	295.7	-1.27	-3.77	-0.04	-0.01	-0.04	-0.16
3	11	1.93	0.08	-1.35e-03	-8.34	0.0	1.16	4.92	-0.04	-0.01	0.08	-2.36
		-2.36	-0.04	-5.14e-05	0.0	295.7	-1.16	-3.42	-0.04	-0.01	-0.04	-0.14
3	12	2.12	0.08	-1.49e-03	-9.17	0.0	1.27	5.40	-0.04	-0.01	0.08	-2.58
		-2.58	-0.04	-5.62e-05	0.0	295.7	-1.27	-3.77	-0.04	-0.01	-0.04	-0.16
3	13	1.67	0.06	-1.18e-03	-7.15	0.0	0.99	4.17	-0.03	-9.05e-03	0.06	-1.92
		-1.92	-0.03	-4.30e-05	0.0	295.7	-0.99	-2.98	-0.03	-9.05e-03	-0.03	-0.15
3	14	1.75	0.07	-1.24e-03	-7.48	0.0	1.04	4.36	-0.03	-9.44e-03	0.07	-2.01
		-2.01	-0.03	-4.49e-05	0.0	295.7	-1.04	-3.11	-0.03	-9.44e-03	-0.03	-0.16
3	15	1.76	0.07	-1.24e-03	-7.55	0.0	1.05	4.42	-0.03	-9.64e-03	0.07	-2.07
		-2.07	-0.03	-4.58e-05	0.0	295.7	-1.05	-3.12	-0.03	-9.64e-03	-0.03	-0.15
3	16	1.67	0.06	-1.18e-03	-7.15	0.0	0.99	4.17	-0.03	-9.05e-03	0.06	-1.92
		-1.92	-0.03	-4.30e-05	0.0	295.7	-0.99	-2.98	-0.03	-9.05e-03	-0.03	-0.15
3	17	1.67	0.06	-1.18e-03	-7.15	0.0	0.99	4.17	-0.03	-9.05e-03	0.06	-1.92
		-1.92	-0.03	-4.30e-05	0.0	295.7	-0.99	-2.98	-0.03	-9.05e-03	-0.03	-0.15
3	18	1.67	0.06	-1.18e-03	-7.15	0.0	0.99	4.17	-0.03	-9.05e-03	0.06	-1.92
		-1.92	-0.03	-4.30e-05	0.0	295.7	-0.99	-2.98	-0.03	-9.05e-03	-0.03	-0.15
3	19	1.67	0.06	-1.18e-03	-7.15	0.0	0.99	4.17	-0.03	-9.05e-03	0.06	-1.92
		-1.92	-0.03	-4.30e-05	0.0	295.7	-0.99	-2.98	-0.03	-9.05e-03	-0.03	-0.15
3	20	1.67	0.06	-1.18e-03	-7.15	0.0	0.99	4.17	-0.03	-9.05e-03	0.06	-1.92
		-1.92	-0.03	-4.30e-05	0.0	295.7	-0.99	-2.98	-0.03	-9.05e-03	-0.03	-0.15
3	21	2.55	0.10	-1.79e-03	-11.09	0.0	1.54	6.55	-0.05	-0.01	0.10	-3.15
		-3.15	-0.05	-6.85e-05	0.0	295.7	-1.54	-4.54	-0.05	-0.01	-0.05	-0.18
3	22	3.14	0.12	-2.20e-03	-13.56	0.0	1.88	7.99	-0.06	-0.02	0.12	-3.81
		-3.81	-0.06	-8.27e-05	0.0	295.7	-1.88	-5.57	-0.06	-0.02	-0.06	-0.23
3	23	2.05	0.08	-1.44e-03	-8.94	0.0	1.24	5.30	-0.04	-0.01	0.08	-2.58
		-2.58	-0.04	-5.56e-05	0.0	295.7	-1.24	-3.65	-0.04	-0.01	-0.04	-0.13
3	24	2.63	0.10	-1.85e-03	-11.41	0.0	1.58	6.74	-0.05	-0.01	0.10	-3.23



3	25	-3.23	-0.05	-6.98e-05	0.0	295.7	-1.58	-4.68	-0.05	-0.01	-0.05	-0.19
		2.81	0.11	-1.96e-03	-12.28	0.0	1.70	7.30	-0.06	-0.02	0.11	-3.59
		-3.59	-0.05	-7.69e-05	0.0	295.7	-1.70	-4.99	-0.06	-0.02	-0.05	-0.17
3	26	3.10	0.12	-2.16e-03	-13.52	0.0	1.87	8.02	-0.06	-0.02	0.12	-3.92
		-3.92	-0.06	-8.40e-05	0.0	295.7	-1.87	-5.50	-0.06	-0.02	-0.06	-0.20
3	27	2.31	0.10	-1.60e-03	-10.14	0.0	1.41	6.05	-0.05	-0.01	0.10	-3.01
		-3.01	-0.04	-6.40e-05	0.0	295.7	-1.41	-4.09	-0.05	-0.01	-0.04	-0.12
3	28	2.60	0.11	-1.81e-03	-11.38	0.0	1.58	6.77	-0.05	-0.01	0.11	-3.34
		-3.34	-0.05	-7.11e-05	0.0	295.7	-1.58	-4.61	-0.05	-0.01	-0.05	-0.15
3	29	2.55	0.10	-1.79e-03	-11.09	0.0	1.54	6.55	-0.05	-0.01	0.10	-3.15
		-3.15	-0.05	-6.85e-05	0.0	295.7	-1.54	-4.54	-0.05	-0.01	-0.05	-0.18
3	30	2.84	0.11	-2.00e-03	-12.32	0.0	1.71	7.27	-0.06	-0.02	0.11	-3.48
		-3.48	-0.05	-7.56e-05	0.0	295.7	-1.71	-5.05	-0.06	-0.02	-0.05	-0.21
3	31	2.05	0.08	-1.44e-03	-8.94	0.0	1.24	5.30	-0.04	-0.01	0.08	-2.58
		-2.58	-0.04	-5.56e-05	0.0	295.7	-1.24	-3.65	-0.04	-0.01	-0.04	-0.13
3	32	2.34	0.09	-1.64e-03	-10.18	0.0	1.41	6.02	-0.05	-0.01	0.09	-2.90
		-2.90	-0.04	-6.27e-05	0.0	295.7	-1.41	-4.16	-0.05	-0.01	-0.04	-0.16
3	33	2.55	0.10	-1.79e-03	-11.09	0.0	1.54	6.55	-0.05	-0.01	0.10	-3.15
		-3.15	-0.05	-6.85e-05	0.0	295.7	-1.54	-4.54	-0.05	-0.01	-0.05	-0.18
3	34	2.84	0.11	-2.00e-03	-12.32	0.0	1.71	7.27	-0.06	-0.02	0.11	-3.48
		-3.48	-0.05	-7.56e-05	0.0	295.7	-1.71	-5.05	-0.06	-0.02	-0.05	-0.21
3	35	2.05	0.08	-1.44e-03	-8.94	0.0	1.24	5.30	-0.04	-0.01	0.08	-2.58
		-2.58	-0.04	-5.56e-05	0.0	295.7	-1.24	-3.65	-0.04	-0.01	-0.04	-0.13
3	36	2.34	0.09	-1.64e-03	-10.18	0.0	1.41	6.02	-0.05	-0.01	0.09	-2.90
		-2.90	-0.04	-6.27e-05	0.0	295.7	-1.41	-4.16	-0.05	-0.01	-0.04	-0.16
3	37	2.55	0.10	-1.79e-03	-11.09	0.0	1.54	6.55	-0.05	-0.01	0.10	-3.15
		-3.15	-0.05	-6.85e-05	0.0	295.7	-1.54	-4.54	-0.05	-0.01	-0.05	-0.18
3	38	2.84	0.11	-2.00e-03	-12.32	0.0	1.71	7.27	-0.06	-0.02	0.11	-3.48
		-3.48	-0.05	-7.56e-05	0.0	295.7	-1.71	-5.05	-0.06	-0.02	-0.05	-0.21
3	39	2.05	0.08	-1.44e-03	-8.94	0.0	1.24	5.30	-0.04	-0.01	0.08	-2.58
		-2.58	-0.04	-5.56e-05	0.0	295.7	-1.24	-3.65	-0.04	-0.01	-0.04	-0.13
3	40	2.34	0.09	-1.64e-03	-10.18	0.0	1.41	6.02	-0.05	-0.01	0.09	-2.90
		-2.90	-0.04	-6.27e-05	0.0	295.7	-1.41	-4.16	-0.05	-0.01	-0.04	-0.16
3	41	2.55	0.10	-1.79e-03	-11.09	0.0	1.54	6.55	-0.05	-0.01	0.10	-3.15
		-3.15	-0.05	-6.85e-05	0.0	295.7	-1.54	-4.54	-0.05	-0.01	-0.05	-0.18
3	42	2.84	0.11	-2.00e-03	-12.32	0.0	1.71	7.27	-0.06	-0.02	0.11	-3.48
		-3.48	-0.05	-7.56e-05	0.0	295.7	-1.71	-5.05	-0.06	-0.02	-0.05	-0.21
3	43	2.05	0.08	-1.44e-03	-8.94	0.0	1.24	5.30	-0.04	-0.01	0.08	-2.58
		-2.58	-0.04	-5.56e-05	0.0	295.7	-1.24	-3.65	-0.04	-0.01	-0.04	-0.13
3	44	2.34	0.09	-1.64e-03	-10.18	0.0	1.41	6.02	-0.05	-0.01	0.09	-2.90
		-2.90	-0.04	-6.27e-05	0.0	295.7	-1.41	-4.16	-0.05	-0.01	-0.04	-0.16
3	45	1.67	0.06	-1.18e-03	-7.15	0.0	0.99	4.17	-0.03	-9.05e-03	0.06	-1.92
		-1.92	-0.03	-4.30e-05	0.0	295.7	-0.99	-2.98	-0.03	-9.05e-03	-0.03	-0.15
4	1	0.0	0.0	7.10e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	1.85e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	2	0.0	0.0	8.52e-04	-0.80	0.0	0.10	0.80	0.0	0.0	0.0	-0.20
		-0.20	0.0	2.20e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	3	0.0	0.0	7.76e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	2.06e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	4	0.0	0.0	8.47e-04	-0.73	0.0	0.09	0.73	0.0	0.0	0.0	-0.18
		-0.18	0.0	2.24e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	5	0.0	0.0	7.10e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	1.85e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	6	0.0	0.0	7.81e-04	-0.73	0.0	0.09	0.73	0.0	0.0	0.0	-0.18
		-0.18	0.0	2.03e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	7	0.0	0.0	7.10e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	1.85e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	8	0.0	0.0	7.81e-04	-0.73	0.0	0.09	0.73	0.0	0.0	0.0	-0.18
		-0.18	0.0	2.03e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	9	0.0	0.0	7.10e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	1.85e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	10	0.0	0.0	7.81e-04	-0.73	0.0	0.09	0.73	0.0	0.0	0.0	-0.18
		-0.18	0.0	2.03e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	11	0.0	0.0	7.10e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	1.85e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	12	0.0	0.0	7.81e-04	-0.73	0.0	0.09	0.73	0.0	0.0	0.0	-0.18
		-0.18	0.0	2.03e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	13	0.0	0.0	6.11e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	1.53e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	14	0.0	0.0	6.40e-04	-0.68	0.0	0.08	0.68	0.0	0.0	0.0	-0.17
		-0.17	0.0	1.60e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	15	0.0	0.0	6.44e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	1.64e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	16	0.0	0.0	6.11e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	1.53e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	17	0.0	0.0	6.11e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	1.53e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0



4	18	0.0	0.0	6.11e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	1.53e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	19	0.0	0.0	6.11e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	1.53e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	20	0.0	0.0	6.11e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	1.53e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	21	0.0	0.0	9.43e-04	-0.85	0.0	0.10	0.85	0.0	0.0	0.0	-0.21
		-0.21	0.0	2.47e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	22	0.0	0.0	1.16e-03	-1.07	0.0	0.13	1.07	0.0	0.0	0.0	-0.27
		-0.27	0.0	3.00e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	23	0.0	0.0	7.60e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	2.01e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	24	0.0	0.0	9.72e-04	-0.88	0.0	0.11	0.88	0.0	0.0	0.0	-0.22
		-0.22	0.0	2.54e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	25	0.0	0.0	1.04e-03	-0.85	0.0	0.10	0.85	0.0	0.0	0.0	-0.21
		-0.21	0.0	2.78e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	26	0.0	0.0	1.15e-03	-0.96	0.0	0.12	0.96	0.0	0.0	0.0	-0.24
		-0.24	0.0	3.05e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	27	0.0	0.0	8.59e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	2.32e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	28	0.0	0.0	9.65e-04	-0.77	0.0	0.09	0.77	0.0	0.0	0.0	-0.19
		-0.19	0.0	2.59e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	29	0.0	0.0	9.43e-04	-0.85	0.0	0.10	0.85	0.0	0.0	0.0	-0.21
		-0.21	0.0	2.47e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	30	0.0	0.0	1.05e-03	-0.96	0.0	0.12	0.96	0.0	0.0	0.0	-0.24
		-0.24	0.0	2.73e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	31	0.0	0.0	7.60e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	2.01e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	32	0.0	0.0	8.66e-04	-0.77	0.0	0.09	0.77	0.0	0.0	0.0	-0.19
		-0.19	0.0	2.27e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	33	0.0	0.0	9.43e-04	-0.85	0.0	0.10	0.85	0.0	0.0	0.0	-0.21
		-0.21	0.0	2.47e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	34	0.0	0.0	1.05e-03	-0.96	0.0	0.12	0.96	0.0	0.0	0.0	-0.24
		-0.24	0.0	2.73e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	35	0.0	0.0	7.60e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	2.01e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	36	0.0	0.0	8.66e-04	-0.77	0.0	0.09	0.77	0.0	0.0	0.0	-0.19
		-0.19	0.0	2.27e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	37	0.0	0.0	9.43e-04	-0.85	0.0	0.10	0.85	0.0	0.0	0.0	-0.21
		-0.21	0.0	2.47e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	38	0.0	0.0	1.05e-03	-0.96	0.0	0.12	0.96	0.0	0.0	0.0	-0.24
		-0.24	0.0	2.73e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	39	0.0	0.0	7.60e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	2.01e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	40	0.0	0.0	8.66e-04	-0.77	0.0	0.09	0.77	0.0	0.0	0.0	-0.19
		-0.19	0.0	2.27e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	41	0.0	0.0	9.43e-04	-0.85	0.0	0.10	0.85	0.0	0.0	0.0	-0.21
		-0.21	0.0	2.47e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	42	0.0	0.0	1.05e-03	-0.96	0.0	0.12	0.96	0.0	0.0	0.0	-0.24
		-0.24	0.0	2.73e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	43	0.0	0.0	7.60e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	2.01e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	44	0.0	0.0	8.66e-04	-0.77	0.0	0.09	0.77	0.0	0.0	0.0	-0.19
		-0.19	0.0	2.27e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
4	45	0.0	0.0	6.11e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	1.53e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
5	1	0.0	0.0	-3.23e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	2	0.0	0.0	-3.67e-04	-1.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.39	0.0	0.0	0.0	50.4	0.19	-1.55	0.0	0.0	0.0	-0.39
5	3	0.0	0.0	-3.97e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	4	0.0	0.0	-4.19e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
5	5	0.0	0.0	-3.23e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	6	0.0	0.0	-3.45e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
5	7	0.0	0.0	-3.23e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	8	0.0	0.0	-3.45e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
5	9	0.0	0.0	-3.23e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	10	0.0	0.0	-3.45e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
5	11	0.0	0.0	-3.23e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0



5	12	-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
		0.0	0.0	-3.45e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
5	13	0.0	0.0	-2.12e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	14	0.0	0.0	-2.21e-04	-1.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.33	0.0	0.0	0.0	50.4	0.16	-1.31	0.0	0.0	0.0	-0.33
5	15	0.0	0.0	-2.49e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	16	0.0	0.0	-2.12e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	17	0.0	0.0	-2.12e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	18	0.0	0.0	-2.12e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	19	0.0	0.0	-2.12e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	20	0.0	0.0	-2.12e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	21	0.0	0.0	-4.42e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
5	22	0.0	0.0	-5.08e-04	-2.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.52	0.0	0.0	0.0	50.4	0.25	-2.08	0.0	0.0	0.0	-0.52
5	23	0.0	0.0	-3.78e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	24	0.0	0.0	-4.44e-04	-1.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.43	0.0	0.0	0.0	50.4	0.20	-1.70	0.0	0.0	0.0	-0.43
5	25	0.0	0.0	-5.53e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
5	26	0.0	0.0	-5.86e-04	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
5	27	0.0	0.0	-4.89e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	28	0.0	0.0	-5.22e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
5	29	0.0	0.0	-4.42e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
5	30	0.0	0.0	-4.75e-04	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
5	31	0.0	0.0	-3.78e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	32	0.0	0.0	-4.11e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
5	33	0.0	0.0	-4.42e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
5	34	0.0	0.0	-4.75e-04	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
5	35	0.0	0.0	-3.78e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	36	0.0	0.0	-4.11e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
5	37	0.0	0.0	-4.42e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
5	38	0.0	0.0	-4.75e-04	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
5	39	0.0	0.0	-3.78e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	40	0.0	0.0	-4.11e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
5	41	0.0	0.0	-4.42e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
5	42	0.0	0.0	-4.75e-04	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
5	43	0.0	0.0	-3.78e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
5	44	0.0	0.0	-4.11e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
5	45	0.0	0.0	-2.12e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
6	1	0.86	0.06	-6.96e-04	-4.92	0.0	-12.97	1.82	0.03	8.20e-03	-0.03	-0.14
		-2.04	-0.03	-3.84e-05	0.0	295.7	-11.60	-3.10	0.03	8.20e-03	0.06	-2.04
6	2	0.98	0.07	-7.99e-04	-5.75	0.0	-15.35	2.12	0.03	9.74e-03	-0.03	-0.17
		-2.41	-0.03	-4.57e-05	0.0	295.7	-13.75	-3.63	0.03	9.74e-03	0.07	-2.41
6	3	1.03	0.06	-8.33e-04	-5.72	0.0	-14.42	2.13	0.03	9.03e-03	-0.03	-0.14
		-2.30	-0.03	-4.23e-05	0.0	295.7	-12.83	-3.59	0.03	9.03e-03	0.06	-2.30
6	4	1.10	0.07	-8.85e-04	-6.13	0.0	-15.61	2.28	0.03	9.80e-03	-0.03	-0.16
		-2.49	-0.03	-4.59e-05	0.0	295.7	-13.91	-3.86	0.03	9.80e-03	0.07	-2.49



6	5	0.86	0.06	-6.96e-04	-4.92	0.0	-12.97	1.82	0.03	8.20e-03	-0.03	-0.14
		-2.04	-0.03	-3.84e-05	0.0	295.7	-11.60	-3.10	0.03	8.20e-03	0.06	-2.04
6	6	0.92	0.06	-7.47e-04	-5.34	0.0	-14.16	1.97	0.03	8.97e-03	-0.03	-0.15
		-2.22	-0.03	-4.21e-05	0.0	295.7	-12.68	-3.37	0.03	8.97e-03	0.06	-2.22
6	7	0.86	0.06	-6.96e-04	-4.92	0.0	-12.97	1.82	0.03	8.20e-03	-0.03	-0.14
		-2.04	-0.03	-3.84e-05	0.0	295.7	-11.60	-3.10	0.03	8.20e-03	0.06	-2.04
6	8	0.92	0.06	-7.47e-04	-5.34	0.0	-14.16	1.97	0.03	8.97e-03	-0.03	-0.15
		-2.22	-0.03	-4.21e-05	0.0	295.7	-12.68	-3.37	0.03	8.97e-03	0.06	-2.22
6	9	0.86	0.06	-6.96e-04	-4.92	0.0	-12.97	1.82	0.03	8.20e-03	-0.03	-0.14
		-2.04	-0.03	-3.84e-05	0.0	295.7	-11.60	-3.10	0.03	8.20e-03	0.06	-2.04
6	10	0.92	0.06	-7.47e-04	-5.34	0.0	-14.16	1.97	0.03	8.97e-03	-0.03	-0.15
		-2.22	-0.03	-4.21e-05	0.0	295.7	-12.68	-3.37	0.03	8.97e-03	0.06	-2.22
6	11	0.86	0.06	-6.96e-04	-4.92	0.0	-12.97	1.82	0.03	8.20e-03	-0.03	-0.14
		-2.04	-0.03	-3.84e-05	0.0	295.7	-11.60	-3.10	0.03	8.20e-03	0.06	-2.04
6	12	0.92	0.06	-7.47e-04	-5.34	0.0	-14.16	1.97	0.03	8.97e-03	-0.03	-0.15
		-2.22	-0.03	-4.21e-05	0.0	295.7	-12.68	-3.37	0.03	8.97e-03	0.06	-2.22
6	13	0.60	0.05	-4.89e-04	-3.73	0.0	-10.79	1.35	0.02	6.96e-03	-0.02	-0.13
		-1.64	-0.02	-3.26e-05	0.0	295.7	-9.76	-2.37	0.02	6.96e-03	0.05	-1.64
6	14	0.62	0.05	-5.10e-04	-3.89	0.0	-11.27	1.41	0.03	7.27e-03	-0.02	-0.14
		-1.71	-0.02	-3.41e-05	0.0	295.7	-10.19	-2.48	0.03	7.27e-03	0.05	-1.71
6	15	0.68	0.05	-5.58e-04	-4.13	0.0	-11.52	1.51	0.03	7.37e-03	-0.02	-0.13
		-1.77	-0.02	-3.46e-05	0.0	295.7	-10.38	-2.62	0.03	7.37e-03	0.05	-1.77
6	16	0.60	0.05	-4.89e-04	-3.73	0.0	-10.79	1.35	0.02	6.96e-03	-0.02	-0.13
		-1.64	-0.02	-3.26e-05	0.0	295.7	-9.76	-2.37	0.02	6.96e-03	0.05	-1.64
6	17	0.60	0.05	-4.89e-04	-3.73	0.0	-10.79	1.35	0.02	6.96e-03	-0.02	-0.13
		-1.64	-0.02	-3.26e-05	0.0	295.7	-9.76	-2.37	0.02	6.96e-03	0.05	-1.64
6	18	0.60	0.05	-4.89e-04	-3.73	0.0	-10.79	1.35	0.02	6.96e-03	-0.02	-0.13
		-1.64	-0.02	-3.26e-05	0.0	295.7	-9.76	-2.37	0.02	6.96e-03	0.05	-1.64
6	19	0.60	0.05	-4.89e-04	-3.73	0.0	-10.79	1.35	0.02	6.96e-03	-0.02	-0.13
		-1.64	-0.02	-3.26e-05	0.0	295.7	-9.76	-2.37	0.02	6.96e-03	0.05	-1.64
6	20	0.60	0.05	-4.89e-04	-3.73	0.0	-10.79	1.35	0.02	6.96e-03	-0.02	-0.13
		-1.64	-0.02	-3.26e-05	0.0	295.7	-9.76	-2.37	0.02	6.96e-03	0.05	-1.64
6	21	1.17	0.08	-9.46e-04	-6.64	0.0	-17.30	2.46	0.04	0.01	-0.04	-0.18
		-2.73	-0.04	-5.11e-05	0.0	295.7	-15.45	-4.18	0.04	0.01	0.08	-2.73
6	22	1.36	0.09	-1.10e-03	-7.88	0.0	-20.86	2.90	0.05	0.01	-0.04	-0.22
		-3.29	-0.04	-6.20e-05	0.0	295.7	-18.68	-4.97	0.05	0.01	0.09	-3.29
6	23	0.99	0.06	-7.99e-04	-5.52	0.0	-14.06	2.05	0.03	8.82e-03	-0.03	-0.14
		-2.24	-0.03	-4.13e-05	0.0	295.7	-12.53	-3.47	0.03	8.82e-03	0.06	-2.24
6	24	1.18	0.08	-9.54e-04	-6.76	0.0	-17.62	2.50	0.04	0.01	-0.04	-0.18
		-2.79	-0.04	-5.22e-05	0.0	295.7	-15.75	-4.26	0.04	0.01	0.08	-2.79
6	25	1.43	0.09	-1.15e-03	-7.84	0.0	-19.47	2.92	0.04	0.01	-0.04	-0.18
		-3.13	-0.04	-5.70e-05	0.0	295.7	-17.30	-4.91	0.04	0.01	0.09	-3.13
6	26	1.52	0.09	-1.23e-03	-8.46	0.0	-21.25	3.15	0.05	0.01	-0.04	-0.21
		-3.41	-0.04	-6.24e-05	0.0	295.7	-18.91	-5.31	0.05	0.01	0.09	-3.41
6	27	1.25	0.07	-1.01e-03	-6.72	0.0	-16.23	2.52	0.04	0.01	-0.03	-0.14
		-2.64	-0.03	-4.72e-05	0.0	295.7	-14.37	-4.20	0.04	0.01	0.07	-2.64
6	28	1.35	0.08	-1.08e-03	-7.34	0.0	-18.02	2.74	0.04	0.01	-0.04	-0.17
		-2.92	-0.04	-5.26e-05	0.0	295.7	-15.98	-4.60	0.04	0.01	0.08	-2.92
6	29	1.17	0.08	-9.46e-04	-6.64	0.0	-17.30	2.46	0.04	0.01	-0.04	-0.18
		-2.73	-0.04	-5.11e-05	0.0	295.7	-15.45	-4.18	0.04	0.01	0.08	-2.73
6	30	1.26	0.09	-1.02e-03	-7.26	0.0	-19.08	2.68	0.04	0.01	-0.04	-0.20
		-3.01	-0.04	-5.66e-05	0.0	295.7	-17.07	-4.58	0.04	0.01	0.09	-3.01
6	31	0.99	0.06	-7.99e-04	-5.52	0.0	-14.06	2.05	0.03	8.82e-03	-0.03	-0.14
		-2.24	-0.03	-4.13e-05	0.0	295.7	-12.53	-3.47	0.03	8.82e-03	0.06	-2.24
6	32	1.08	0.07	-8.76e-04	-6.14	0.0	-15.84	2.27	0.04	9.98e-03	-0.03	-0.16
		-2.52	-0.03	-4.68e-05	0.0	295.7	-14.14	-3.87	0.04	9.98e-03	0.07	-2.52
6	33	1.17	0.08	-9.46e-04	-6.64	0.0	-17.30	2.46	0.04	0.01	-0.04	-0.18
		-2.73	-0.04	-5.11e-05	0.0	295.7	-15.45	-4.18	0.04	0.01	0.08	-2.73
6	34	1.26	0.09	-1.02e-03	-7.26	0.0	-19.08	2.68	0.04	0.01	-0.04	-0.20
		-3.01	-0.04	-5.66e-05	0.0	295.7	-17.07	-4.58	0.04	0.01	0.09	-3.01
6	35	0.99	0.06	-7.99e-04	-5.52	0.0	-14.06	2.05	0.03	8.82e-03	-0.03	-0.14
		-2.24	-0.03	-4.13e-05	0.0	295.7	-12.53	-3.47	0.03	8.82e-03	0.06	-2.24
6	36	1.08	0.07	-8.76e-04	-6.14	0.0	-15.84	2.27	0.04	9.98e-03	-0.03	-0.16
		-2.52	-0.03	-4.68e-05	0.0	295.7	-14.14	-3.87	0.04	9.98e-03	0.07	-2.52
6	37	1.17	0.08	-9.46e-04	-6.64	0.0	-17.30	2.46	0.04	0.01	-0.04	-0.18
		-2.73	-0.04	-5.11e-05	0.0	295.7	-15.45	-4.18	0.04	0.01	0.08	-2.73
6	38	1.26	0.09	-1.02e-03	-7.26	0.0	-19.08	2.68	0.04	0.01	-0.04	-0.20
		-3.01	-0.04	-5.66e-05	0.0	295.7	-17.07	-4.58	0.04	0.01	0.09	-3.01
6	39	0.99	0.06	-7.99e-04	-5.52	0.0	-14.06	2.05	0.03	8.82e-03	-0.03	-0.14
		-2.24	-0.03	-4.13e-05	0.0	295.7	-12.53	-3.47	0.03	8.82e-03	0.06	-2.24
6	40	1.08	0.07	-8.76e-04	-6.14	0.0	-15.84	2.27	0.04	9.98e-03	-0.03	-0.16
		-2.52	-0.03	-4.68e-05	0.0	295.7	-14.14	-3.87	0.04	9.98e-03	0.07	-2.52
6	41	1.17	0.08	-9.46e-04	-6.64	0.0	-17.30	2.46	0.04	0.01	-0.04	-0.18
		-2.73	-0.04	-5.11e-05	0.0	295.7	-15.45	-4.18	0.04	0.01	0.08	-2.73
6	42	1.26	0.09	-1.02e-03	-7.26	0.0	-19.08	2.68	0.04	0.01	-0.04	-0.20
		-3.01	-0.04	-5.66e-05	0.0	295.7	-17.07	-4.58	0.04	0.01	0.09	-3.01
6	43	0.99	0.06	-7.99e-04	-5.52	0.0	-14.06	2.05	0.03	8.82e-03	-0.03	-0.14



6	44	-2.24	-0.03	-4.13e-05	0.0	295.7	-12.53	-3.47	0.03	8.82e-03	0.06	-2.24
		1.08	0.07	-8.76e-04	-6.14	0.0	-15.84	2.27	0.04	9.98e-03	-0.03	-0.16
		-2.52	-0.03	-4.68e-05	0.0	295.7	-14.14	-3.87	0.04	9.98e-03	0.07	-2.52
6	45	0.60	0.05	-4.89e-04	-3.73	0.0	-10.79	1.35	0.02	6.96e-03	-0.02	-0.13
		-1.64	-0.02	-3.26e-05	0.0	295.7	-9.76	-2.37	0.02	6.96e-03	0.05	-1.64
7	1	1.89	0.06	-1.12e-03	-8.34	0.0	-11.14	4.79	-0.03	-8.20e-03	0.06	-2.17
		-2.17	-0.03	-3.85e-05	0.0	295.7	-13.45	-3.56	-0.03	-8.20e-03	-0.03	-0.35
7	2	2.27	0.07	-1.35e-03	-9.99	0.0	-13.17	5.72	-0.03	-9.75e-03	0.07	-2.57
		-2.57	-0.03	-4.58e-05	0.0	295.7	-15.94	-4.27	-0.03	-9.75e-03	-0.03	-0.43
7	3	2.07	0.06	-1.21e-03	-9.14	0.0	-12.37	5.27	-0.03	-9.03e-03	0.06	-2.43
		-2.43	-0.03	-4.24e-05	0.0	295.7	-14.90	-3.87	-0.03	-9.03e-03	-0.03	-0.35
7	4	2.25	0.07	-1.33e-03	-9.97	0.0	-13.38	5.74	-0.03	-9.80e-03	0.07	-2.63
		-2.63	-0.03	-4.60e-05	0.0	295.7	-16.15	-4.23	-0.03	-9.80e-03	-0.03	-0.39
7	5	1.89	0.06	-1.12e-03	-8.34	0.0	-11.14	4.79	-0.03	-8.20e-03	0.06	-2.17
		-2.17	-0.03	-3.85e-05	0.0	295.7	-13.45	-3.56	-0.03	-8.20e-03	-0.03	-0.35
7	6	2.08	0.06	-1.24e-03	-9.17	0.0	-12.16	5.25	-0.03	-8.97e-03	0.06	-2.37
		-2.37	-0.03	-4.21e-05	0.0	295.7	-14.70	-3.92	-0.03	-8.97e-03	-0.03	-0.39
7	7	1.89	0.06	-1.12e-03	-8.34	0.0	-11.14	4.79	-0.03	-8.20e-03	0.06	-2.17
		-2.17	-0.03	-3.85e-05	0.0	295.7	-13.45	-3.56	-0.03	-8.20e-03	-0.03	-0.35
7	8	2.08	0.06	-1.24e-03	-9.17	0.0	-12.16	5.25	-0.03	-8.97e-03	0.06	-2.37
		-2.37	-0.03	-4.21e-05	0.0	295.7	-14.70	-3.92	-0.03	-8.97e-03	-0.03	-0.39
7	9	1.89	0.06	-1.12e-03	-8.34	0.0	-11.14	4.79	-0.03	-8.20e-03	0.06	-2.17
		-2.17	-0.03	-3.85e-05	0.0	295.7	-13.45	-3.56	-0.03	-8.20e-03	-0.03	-0.35
7	10	2.08	0.06	-1.24e-03	-9.17	0.0	-12.16	5.25	-0.03	-8.97e-03	0.06	-2.37
		-2.37	-0.03	-4.21e-05	0.0	295.7	-14.70	-3.92	-0.03	-8.97e-03	-0.03	-0.39
7	11	1.89	0.06	-1.12e-03	-8.34	0.0	-11.14	4.79	-0.03	-8.20e-03	0.06	-2.17
		-2.17	-0.03	-3.85e-05	0.0	295.7	-13.45	-3.56	-0.03	-8.20e-03	-0.03	-0.35
7	12	2.08	0.06	-1.24e-03	-9.17	0.0	-12.16	5.25	-0.03	-8.97e-03	0.06	-2.37
		-2.37	-0.03	-4.21e-05	0.0	295.7	-14.70	-3.92	-0.03	-8.97e-03	-0.03	-0.39
7	13	1.64	0.05	-9.83e-04	-7.15	0.0	-9.29	4.05	-0.02	-6.96e-03	0.05	-1.77
		-1.77	-0.02	-3.27e-05	0.0	295.7	-11.27	-3.09	-0.02	-6.96e-03	-0.02	-0.34
7	14	1.71	0.05	-1.03e-03	-7.48	0.0	-9.70	4.24	-0.03	-7.27e-03	0.05	-1.85
		-1.85	-0.02	-3.41e-05	0.0	295.7	-11.77	-3.24	-0.03	-7.27e-03	-0.02	-0.36
7	15	1.72	0.05	-1.03e-03	-7.55	0.0	-9.91	4.30	-0.03	-7.37e-03	0.05	-1.90
		-1.90	-0.02	-3.46e-05	0.0	295.7	-12.00	-3.25	-0.03	-7.37e-03	-0.02	-0.34
7	16	1.64	0.05	-9.83e-04	-7.15	0.0	-9.29	4.05	-0.02	-6.96e-03	0.05	-1.77
		-1.77	-0.02	-3.27e-05	0.0	295.7	-11.27	-3.09	-0.02	-6.96e-03	-0.02	-0.34
7	17	1.64	0.05	-9.83e-04	-7.15	0.0	-9.29	4.05	-0.02	-6.96e-03	0.05	-1.77
		-1.77	-0.02	-3.27e-05	0.0	295.7	-11.27	-3.09	-0.02	-6.96e-03	-0.02	-0.34
7	18	1.64	0.05	-9.83e-04	-7.15	0.0	-9.29	4.05	-0.02	-6.96e-03	0.05	-1.77
		-1.77	-0.02	-3.27e-05	0.0	295.7	-11.27	-3.09	-0.02	-6.96e-03	-0.02	-0.34
7	19	1.64	0.05	-9.83e-04	-7.15	0.0	-9.29	4.05	-0.02	-6.96e-03	0.05	-1.77
		-1.77	-0.02	-3.27e-05	0.0	295.7	-11.27	-3.09	-0.02	-6.96e-03	-0.02	-0.34
7	20	1.64	0.05	-9.83e-04	-7.15	0.0	-9.29	4.05	-0.02	-6.96e-03	0.05	-1.77
		-1.77	-0.02	-3.27e-05	0.0	295.7	-11.27	-3.09	-0.02	-6.96e-03	-0.02	-0.34
7	21	2.51	0.08	-1.48e-03	-11.09	0.0	-14.85	6.37	-0.04	-0.01	0.08	-2.89
		-2.89	-0.04	-5.12e-05	0.0	295.7	-17.92	-4.72	-0.04	-0.01	-0.04	-0.45
7	22	3.08	0.09	-1.83e-03	-13.56	0.0	-17.90	7.77	-0.05	-0.01	0.09	-3.50
		-3.50	-0.04	-6.21e-05	0.0	295.7	-21.66	-5.79	-0.05	-0.01	-0.04	-0.57
7	23	2.02	0.06	-1.19e-03	-8.94	0.0	-12.06	5.15	-0.03	-8.82e-03	0.06	-2.37
		-2.37	-0.03	-4.14e-05	0.0	295.7	-14.54	-3.79	-0.03	-8.82e-03	-0.03	-0.35
7	24	2.59	0.08	-1.53e-03	-11.41	0.0	-15.11	6.55	-0.04	-0.01	0.08	-2.97
		-2.97	-0.04	-5.23e-05	0.0	295.7	-18.28	-4.86	-0.04	-0.01	-0.04	-0.47
7	25	2.77	0.09	-1.62e-03	-12.28	0.0	-16.69	7.10	-0.04	-0.01	0.09	-3.29
		-3.29	-0.04	-5.70e-05	0.0	295.7	-20.09	-5.18	-0.04	-0.01	-0.04	-0.46
7	26	3.05	0.09	-1.79e-03	-13.52	0.0	-18.22	7.80	-0.05	-0.01	0.09	-3.60
		-3.60	-0.04	-6.25e-05	0.0	295.7	-21.96	-5.72	-0.05	-0.01	-0.04	-0.52
7	27	2.28	0.07	-1.33e-03	-10.14	0.0	-13.90	5.88	-0.04	-0.01	0.07	-2.76
		-2.76	-0.03	-4.72e-05	0.0	295.7	-16.71	-4.26	-0.04	-0.01	-0.03	-0.36
7	28	2.56	0.08	-1.50e-03	-11.38	0.0	-15.43	6.58	-0.04	-0.01	0.08	-3.07
		-3.07	-0.04	-5.27e-05	0.0	295.7	-18.58	-4.79	-0.04	-0.01	-0.04	-0.42
7	29	2.51	0.08	-1.48e-03	-11.09	0.0	-14.85	6.37	-0.04	-0.01	0.08	-2.89
		-2.89	-0.04	-5.12e-05	0.0	295.7	-17.92	-4.72	-0.04	-0.01	-0.04	-0.45
7	30	2.80	0.09	-1.66e-03	-12.32	0.0	-16.37	7.07	-0.04	-0.01	0.09	-3.20
		-3.20	-0.04	-5.67e-05	0.0	295.7	-19.79	-5.25	-0.04	-0.01	-0.04	-0.51
7	31	2.02	0.06	-1.19e-03	-8.94	0.0	-12.06	5.15	-0.03	-8.82e-03	0.06	-2.37
		-2.37	-0.03	-4.14e-05	0.0	295.7	-14.54	-3.79	-0.03	-8.82e-03	-0.03	-0.35
7	32	2.31	0.07	-1.36e-03	-10.18	0.0	-13.59	5.85	-0.04	-9.98e-03	0.07	-2.67
		-2.67	-0.03	-4.69e-05	0.0	295.7	-16.41	-4.33	-0.04	-9.98e-03	-0.03	-0.41
7	33	2.51	0.08	-1.48e-03	-11.09	0.0	-14.85	6.37	-0.04	-0.01	0.08	-2.89
		-2.89	-0.04	-5.12e-05	0.0	295.7	-17.92	-4.72	-0.04	-0.01	-0.04	-0.45
7	34	2.80	0.09	-1.66e-03	-12.32	0.0	-16.37	7.07	-0.04	-0.01	0.09	-3.20
		-3.20	-0.04	-5.67e-05	0.0	295.7	-19.79	-5.25	-0.04	-0.01	-0.04	-0.51
7	35	2.02	0.06	-1.19e-03	-8.94	0.0	-12.06	5.15	-0.03	-8.82e-03	0.06	-2.37
		-2.37	-0.03	-4.14e-05	0.0	295.7	-14.54	-3.79	-0.03	-8.82e-03	-0.03	-0.35
7	36	2.31	0.07	-1.36e-03	-10.18	0.0	-13.59	5.85	-0.04	-9.98e-03	0.07	-2.67
		-2.67	-0.03	-4.69e-05	0.0	295.7	-16.41	-4.33	-0.04	-9.98e-03	-0.03	-0.41



7	37	2.51	0.08	-1.48e-03	-11.09	0.0	-14.85	6.37	-0.04	-0.01	0.08	-2.89
		-2.89	-0.04	-5.12e-05	0.0	295.7	-17.92	-4.72	-0.04	-0.01	-0.04	-0.45
7	38	2.80	0.09	-1.66e-03	-12.32	0.0	-16.37	7.07	-0.04	-0.01	0.09	-3.20
		-3.20	-0.04	-5.67e-05	0.0	295.7	-19.79	-5.25	-0.04	-0.01	-0.04	-0.51
7	39	2.02	0.06	-1.19e-03	-8.94	0.0	-12.06	5.15	-0.03	-8.82e-03	0.06	-2.37
		-2.37	-0.03	-4.14e-05	0.0	295.7	-14.54	-3.79	-0.03	-8.82e-03	-0.03	-0.35
7	40	2.31	0.07	-1.36e-03	-10.18	0.0	-13.59	5.85	-0.04	-9.98e-03	0.07	-2.67
		-2.67	-0.03	-4.69e-05	0.0	295.7	-16.41	-4.33	-0.04	-9.98e-03	-0.03	-0.41
7	41	2.51	0.08	-1.48e-03	-11.09	0.0	-14.85	6.37	-0.04	-0.01	0.08	-2.89
		-2.89	-0.04	-5.12e-05	0.0	295.7	-17.92	-4.72	-0.04	-0.01	-0.04	-0.45
7	42	2.80	0.09	-1.66e-03	-12.32	0.0	-16.37	7.07	-0.04	-0.01	0.09	-3.20
		-3.20	-0.04	-5.67e-05	0.0	295.7	-19.79	-5.25	-0.04	-0.01	-0.04	-0.51
7	43	2.02	0.06	-1.19e-03	-8.94	0.0	-12.06	5.15	-0.03	-8.82e-03	0.06	-2.37
		-2.37	-0.03	-4.14e-05	0.0	295.7	-14.54	-3.79	-0.03	-8.82e-03	-0.03	-0.35
7	44	2.31	0.07	-1.36e-03	-10.18	0.0	-13.59	5.85	-0.04	-9.98e-03	0.07	-2.67
		-2.67	-0.03	-4.69e-05	0.0	295.7	-16.41	-4.33	-0.04	-9.98e-03	-0.03	-0.41
7	45	1.64	0.05	-9.83e-04	-7.15	0.0	-9.29	4.05	-0.02	-6.96e-03	0.05	-1.77
		-1.77	-0.02	-3.27e-05	0.0	295.7	-11.27	-3.09	-0.02	-6.96e-03	-0.02	-0.34
8	1	0.0	0.0	7.17e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	2	0.0	0.0	8.56e-04	-1.55	0.0	0.19	1.55	0.0	0.0	0.0	-0.39
		-0.39	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	3	0.0	0.0	7.91e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	4	0.0	0.0	8.61e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	5	0.0	0.0	7.17e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	6	0.0	0.0	7.87e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	7	0.0	0.0	7.17e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	8	0.0	0.0	7.87e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	9	0.0	0.0	7.17e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	10	0.0	0.0	7.87e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	11	0.0	0.0	7.17e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	12	0.0	0.0	7.87e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	13	0.0	0.0	6.06e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	14	0.0	0.0	6.34e-04	-1.31	0.0	0.16	1.31	0.0	0.0	0.0	-0.33
		-0.33	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	15	0.0	0.0	6.43e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	16	0.0	0.0	6.06e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	17	0.0	0.0	6.06e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	18	0.0	0.0	6.06e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	19	0.0	0.0	6.06e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	20	0.0	0.0	6.06e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	21	0.0	0.0	9.54e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	22	0.0	0.0	1.16e-03	-2.08	0.0	0.25	2.08	0.0	0.0	0.0	-0.52
		-0.52	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	23	0.0	0.0	7.73e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	24	0.0	0.0	9.81e-04	-1.70	0.0	0.20	1.70	0.0	0.0	0.0	-0.43
		-0.43	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	25	0.0	0.0	1.07e-03	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	26	0.0	0.0	1.17e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	27	0.0	0.0	8.84e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	28	0.0	0.0	9.88e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	29	0.0	0.0	9.54e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	30	0.0	0.0	1.06e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47



8	31	-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	7.73e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	32	0.0	0.0	8.77e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	33	0.0	0.0	9.54e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	34	0.0	0.0	1.06e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	35	0.0	0.0	7.73e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	36	0.0	0.0	8.77e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	37	0.0	0.0	9.54e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	38	0.0	0.0	1.06e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	39	0.0	0.0	7.73e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	40	0.0	0.0	8.77e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	41	0.0	0.0	9.54e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	42	0.0	0.0	1.06e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	43	0.0	0.0	7.73e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	44	0.0	0.0	8.77e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
8	45	0.0	0.0	6.06e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
9	1	0.0	0.0	-6.00e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	2	0.0	0.0	-7.09e-04	-1.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.39	0.0	0.0	0.0	50.4	0.19	-1.55	0.0	0.0	0.0	-0.39
9	3	0.0	0.0	-6.79e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	4	0.0	0.0	-7.33e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
9	5	0.0	0.0	-6.00e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	6	0.0	0.0	-6.54e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
9	7	0.0	0.0	-6.00e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	8	0.0	0.0	-6.54e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
9	9	0.0	0.0	-6.00e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	10	0.0	0.0	-6.54e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
9	11	0.0	0.0	-6.00e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	12	0.0	0.0	-6.54e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
9	13	0.0	0.0	-4.82e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	14	0.0	0.0	-5.04e-04	-1.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.33	0.0	0.0	0.0	50.4	0.16	-1.31	0.0	0.0	0.0	-0.33
9	15	0.0	0.0	-5.22e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	16	0.0	0.0	-4.82e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	17	0.0	0.0	-4.82e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	18	0.0	0.0	-4.82e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	19	0.0	0.0	-4.82e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	20	0.0	0.0	-4.82e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	21	0.0	0.0	-8.04e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
9	22	0.0	0.0	-9.67e-04	-2.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.52	0.0	0.0	0.0	50.4	0.25	-2.08	0.0	0.0	0.0	-0.52
9	23	0.0	0.0	-6.59e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32



9	24	0.0	0.0	-8.22e-04	-1.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.43	0.0	0.0	0.0	50.4	0.20	-1.70	0.0	0.0	0.0	-0.43
9	25	0.0	0.0	-9.22e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
9	26	0.0	0.0	-1.00e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
9	27	0.0	0.0	-7.77e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	28	0.0	0.0	-8.58e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
9	29	0.0	0.0	-8.04e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
9	30	0.0	0.0	-8.85e-04	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
9	31	0.0	0.0	-6.59e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	32	0.0	0.0	-7.41e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
9	33	0.0	0.0	-8.04e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
9	34	0.0	0.0	-8.85e-04	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
9	35	0.0	0.0	-6.59e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	36	0.0	0.0	-7.41e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
9	37	0.0	0.0	-8.04e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
9	38	0.0	0.0	-8.85e-04	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
9	39	0.0	0.0	-6.59e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	40	0.0	0.0	-7.41e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
9	41	0.0	0.0	-8.04e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
9	42	0.0	0.0	-8.85e-04	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
9	43	0.0	0.0	-6.59e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
9	44	0.0	0.0	-7.41e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
9	45	0.0	0.0	-4.82e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
10	1	1.60	0.02	-1.38e-03	-8.34	0.0	-19.68	3.46	0.01	3.44e-03	-0.01	-0.52
		-2.61	-0.01	-1.61e-05	0.0	295.7	-17.37	-4.88	0.01	3.44e-03	0.02	-2.61
10	2	1.91	0.03	-1.65e-03	-9.99	0.0	-23.41	4.16	0.01	4.13e-03	-0.01	-0.64
		-3.13	-0.01	-1.94e-05	0.0	295.7	-20.64	-5.84	0.01	4.13e-03	0.03	-3.13
10	3	1.78	0.03	-1.53e-03	-9.14	0.0	-21.66	3.78	0.01	3.71e-03	-0.01	-0.52
		-2.87	-0.01	-1.74e-05	0.0	295.7	-19.13	-5.37	0.01	3.71e-03	0.03	-2.87
10	4	1.93	0.03	-1.66e-03	-9.97	0.0	-23.52	4.12	0.01	4.06e-03	-0.01	-0.58
		-3.13	-0.01	-1.90e-05	0.0	295.7	-20.76	-5.84	0.01	4.06e-03	0.03	-3.13
10	5	1.60	0.02	-1.38e-03	-8.34	0.0	-19.68	3.46	0.01	3.44e-03	-0.01	-0.52
		-2.61	-0.01	-1.61e-05	0.0	295.7	-17.37	-4.88	0.01	3.44e-03	0.02	-2.61
10	6	1.76	0.03	-1.51e-03	-9.17	0.0	-21.54	3.81	0.01	3.79e-03	-0.01	-0.58
		-2.87	-0.01	-1.77e-05	0.0	295.7	-19.00	-5.36	0.01	3.79e-03	0.03	-2.87
10	7	1.60	0.02	-1.38e-03	-8.34	0.0	-19.68	3.46	0.01	3.44e-03	-0.01	-0.52
		-2.61	-0.01	-1.61e-05	0.0	295.7	-17.37	-4.88	0.01	3.44e-03	0.02	-2.61
10	8	1.76	0.03	-1.51e-03	-9.17	0.0	-21.54	3.81	0.01	3.79e-03	-0.01	-0.58
		-2.87	-0.01	-1.77e-05	0.0	295.7	-19.00	-5.36	0.01	3.79e-03	0.03	-2.87
10	9	1.60	0.02	-1.38e-03	-8.34	0.0	-19.68	3.46	0.01	3.44e-03	-0.01	-0.52
		-2.61	-0.01	-1.61e-05	0.0	295.7	-17.37	-4.88	0.01	3.44e-03	0.02	-2.61
10	10	1.76	0.03	-1.51e-03	-9.17	0.0	-21.54	3.81	0.01	3.79e-03	-0.01	-0.58
		-2.87	-0.01	-1.77e-05	0.0	295.7	-19.00	-5.36	0.01	3.79e-03	0.03	-2.87
10	11	1.60	0.02	-1.38e-03	-8.34	0.0	-19.68	3.46	0.01	3.44e-03	-0.01	-0.52
		-2.61	-0.01	-1.61e-05	0.0	295.7	-17.37	-4.88	0.01	3.44e-03	0.02	-2.61
10	12	1.76	0.03	-1.51e-03	-9.17	0.0	-21.54	3.81	0.01	3.79e-03	-0.01	-0.58
		-2.87	-0.01	-1.77e-05	0.0	295.7	-19.00	-5.36	0.01	3.79e-03	0.03	-2.87
10	13	1.34	0.02	-1.16e-03	-7.15	0.0	-16.71	3.00	0.01	3.04e-03	-0.01	-0.51
		-2.22	-0.01	-1.42e-05	0.0	295.7	-14.73	-4.15	0.01	3.04e-03	0.02	-2.22
10	14	1.40	0.02	-1.21e-03	-7.48	0.0	-17.46	3.13	0.01	3.18e-03	-0.01	-0.54
		-2.33	-0.01	-1.49e-05	0.0	295.7	-15.38	-4.34	0.01	3.18e-03	0.02	-2.33
10	15	1.43	0.02	-1.23e-03	-7.55	0.0	-17.70	3.15	0.01	3.17e-03	-0.01	-0.51
		-2.35	-0.01	-1.49e-05	0.0	295.7	-15.61	-4.39	0.01	3.17e-03	0.02	-2.35
10	16	1.34	0.02	-1.16e-03	-7.15	0.0	-16.71	3.00	0.01	3.04e-03	-0.01	-0.51
		-2.22	-0.01	-1.42e-05	0.0	295.7	-14.73	-4.15	0.01	3.04e-03	0.02	-2.22
10	17	1.34	0.02	-1.16e-03	-7.15	0.0	-16.71	3.00	0.01	3.04e-03	-0.01	-0.51



10	18	-2.22	-0.01	-1.42e-05	0.0	295.7	-14.73	-4.15	0.01	3.04e-03	0.02	-2.22
		1.34	0.02	-1.16e-03	-7.15	0.0	-16.71	3.00	0.01	3.04e-03	-0.01	-0.51
		-2.22	-0.01	-1.42e-05	0.0	295.7	-14.73	-4.15	0.01	3.04e-03	0.02	-2.22
10	19	1.34	0.02	-1.16e-03	-7.15	0.0	-16.71	3.00	0.01	3.04e-03	-0.01	-0.51
		-2.22	-0.01	-1.42e-05	0.0	295.7	-14.73	-4.15	0.01	3.04e-03	0.02	-2.22
10	20	1.34	0.02	-1.16e-03	-7.15	0.0	-16.71	3.00	0.01	3.04e-03	-0.01	-0.51
		-2.22	-0.01	-1.42e-05	0.0	295.7	-14.73	-4.15	0.01	3.04e-03	0.02	-2.22
10	21	2.14	0.03	-1.84e-03	-11.09	0.0	-26.18	4.60	0.02	4.56e-03	-0.02	-0.67
		-3.47	-0.02	-2.13e-05	0.0	295.7	-23.11	-6.49	0.02	4.56e-03	0.03	-3.47
10	22	2.60	0.04	-2.24e-03	-13.56	0.0	-31.77	5.63	0.02	5.59e-03	-0.02	-0.86
		-4.24	-0.02	-2.62e-05	0.0	295.7	-28.01	-7.92	0.02	5.59e-03	0.04	-4.24
10	23	1.73	0.03	-1.50e-03	-8.94	0.0	-21.17	3.70	0.01	3.65e-03	-0.01	-0.52
		-2.81	-0.01	-1.71e-05	0.0	295.7	-18.69	-5.24	0.01	3.65e-03	0.03	-2.81
10	24	2.19	0.03	-1.89e-03	-11.41	0.0	-26.75	4.74	0.02	4.68e-03	-0.02	-0.70
		-3.58	-0.02	-2.19e-05	0.0	295.7	-23.59	-6.68	0.02	4.68e-03	0.03	-3.58
10	25	2.40	0.04	-2.07e-03	-12.28	0.0	-29.15	5.07	0.02	4.96e-03	-0.02	-0.68
		-3.86	-0.02	-2.32e-05	0.0	295.7	-25.75	-7.22	0.02	4.96e-03	0.04	-3.86
10	26	2.63	0.04	-2.27e-03	-13.52	0.0	-31.94	5.58	0.02	5.48e-03	-0.02	-0.77
		-4.25	-0.02	-2.57e-05	0.0	295.7	-28.20	-7.94	0.02	5.48e-03	0.04	-4.25
10	27	2.00	0.03	-1.72e-03	-10.14	0.0	-24.14	4.17	0.01	4.05e-03	-0.01	-0.52
		-3.19	-0.01	-1.90e-05	0.0	295.7	-21.33	-5.97	0.01	4.05e-03	0.03	-3.19
10	28	2.23	0.03	-1.92e-03	-11.38	0.0	-26.93	4.69	0.02	4.57e-03	-0.02	-0.62
		-3.58	-0.02	-2.14e-05	0.0	295.7	-23.78	-6.69	0.02	4.57e-03	0.03	-3.58
10	29	2.14	0.03	-1.84e-03	-11.09	0.0	-26.18	4.60	0.02	4.56e-03	-0.02	-0.67
		-3.47	-0.02	-2.13e-05	0.0	295.7	-23.11	-6.49	0.02	4.56e-03	0.03	-3.47
10	30	2.37	0.04	-2.04e-03	-12.32	0.0	-28.97	5.12	0.02	5.08e-03	-0.02	-0.76
		-3.86	-0.02	-2.38e-05	0.0	295.7	-25.56	-7.21	0.02	5.08e-03	0.04	-3.86
10	31	1.73	0.03	-1.50e-03	-8.94	0.0	-21.17	3.70	0.01	3.65e-03	-0.01	-0.52
		-2.81	-0.01	-1.71e-05	0.0	295.7	-18.69	-5.24	0.01	3.65e-03	0.03	-2.81
10	32	1.96	0.03	-1.69e-03	-10.18	0.0	-23.96	4.22	0.01	4.16e-03	-0.01	-0.61
		-3.19	-0.01	-1.95e-05	0.0	295.7	-21.14	-5.96	0.01	4.16e-03	0.03	-3.19
10	33	2.14	0.03	-1.84e-03	-11.09	0.0	-26.18	4.60	0.02	4.56e-03	-0.02	-0.67
		-3.47	-0.02	-2.13e-05	0.0	295.7	-23.11	-6.49	0.02	4.56e-03	0.03	-3.47
10	34	2.37	0.04	-2.04e-03	-12.32	0.0	-28.97	5.12	0.02	5.08e-03	-0.02	-0.76
		-3.86	-0.02	-2.38e-05	0.0	295.7	-25.56	-7.21	0.02	5.08e-03	0.04	-3.86
10	35	1.73	0.03	-1.50e-03	-8.94	0.0	-21.17	3.70	0.01	3.65e-03	-0.01	-0.52
		-2.81	-0.01	-1.71e-05	0.0	295.7	-18.69	-5.24	0.01	3.65e-03	0.03	-2.81
10	36	1.96	0.03	-1.69e-03	-10.18	0.0	-23.96	4.22	0.01	4.16e-03	-0.01	-0.61
		-3.19	-0.01	-1.95e-05	0.0	295.7	-21.14	-5.96	0.01	4.16e-03	0.03	-3.19
10	37	2.14	0.03	-1.84e-03	-11.09	0.0	-26.18	4.60	0.02	4.56e-03	-0.02	-0.67
		-3.47	-0.02	-2.13e-05	0.0	295.7	-23.11	-6.49	0.02	4.56e-03	0.03	-3.47
10	38	2.37	0.04	-2.04e-03	-12.32	0.0	-28.97	5.12	0.02	5.08e-03	-0.02	-0.76
		-3.86	-0.02	-2.38e-05	0.0	295.7	-25.56	-7.21	0.02	5.08e-03	0.04	-3.86
10	39	1.73	0.03	-1.50e-03	-8.94	0.0	-21.17	3.70	0.01	3.65e-03	-0.01	-0.52
		-2.81	-0.01	-1.71e-05	0.0	295.7	-18.69	-5.24	0.01	3.65e-03	0.03	-2.81
10	40	1.96	0.03	-1.69e-03	-10.18	0.0	-23.96	4.22	0.01	4.16e-03	-0.01	-0.61
		-3.19	-0.01	-1.95e-05	0.0	295.7	-21.14	-5.96	0.01	4.16e-03	0.03	-3.19
10	41	2.14	0.03	-1.84e-03	-11.09	0.0	-26.18	4.60	0.02	4.56e-03	-0.02	-0.67
		-3.47	-0.02	-2.13e-05	0.0	295.7	-23.11	-6.49	0.02	4.56e-03	0.03	-3.47
10	42	2.37	0.04	-2.04e-03	-12.32	0.0	-28.97	5.12	0.02	5.08e-03	-0.02	-0.76
		-3.86	-0.02	-2.38e-05	0.0	295.7	-25.56	-7.21	0.02	5.08e-03	0.04	-3.86
10	43	1.73	0.03	-1.50e-03	-8.94	0.0	-21.17	3.70	0.01	3.65e-03	-0.01	-0.52
		-2.81	-0.01	-1.71e-05	0.0	295.7	-18.69	-5.24	0.01	3.65e-03	0.03	-2.81
10	44	1.96	0.03	-1.69e-03	-10.18	0.0	-23.96	4.22	0.01	4.16e-03	-0.01	-0.61
		-3.19	-0.01	-1.95e-05	0.0	295.7	-21.14	-5.96	0.01	4.16e-03	0.03	-3.19
10	45	1.34	0.02	-1.16e-03	-7.15	0.0	-16.71	3.00	0.01	3.04e-03	-0.01	-0.51
		-2.22	-0.01	-1.42e-05	0.0	295.7	-14.73	-4.15	0.01	3.04e-03	0.02	-2.22
11	1	1.77	0.02	-8.88e-04	-8.34	0.0	-17.36	4.91	-0.01	-3.44e-03	0.02	-2.49
		-2.49	-0.01	-1.62e-05	0.0	295.7	-19.68	-3.44	-0.01	-3.44e-03	-0.01	-0.31
11	2	2.12	0.03	-1.06e-03	-9.99	0.0	-20.63	5.87	-0.01	-4.13e-03	0.03	-2.97
		-2.97	-0.01	-1.94e-05	0.0	295.7	-23.40	-4.12	-0.01	-4.13e-03	-0.01	-0.38
11	3	1.95	0.03	-9.73e-04	-9.14	0.0	-19.12	5.39	-0.01	-3.71e-03	0.03	-2.74
		-2.74	-0.01	-1.75e-05	0.0	295.7	-21.66	-3.75	-0.01	-3.71e-03	-0.01	-0.31
11	4	2.12	0.03	-1.06e-03	-9.97	0.0	-20.76	5.87	-0.01	-4.06e-03	0.03	-2.99
		-2.99	-0.01	-1.91e-05	0.0	295.7	-23.52	-4.09	-0.01	-4.06e-03	-0.01	-0.35
11	5	1.77	0.02	-8.88e-04	-8.34	0.0	-17.36	4.91	-0.01	-3.44e-03	0.02	-2.49
		-2.49	-0.01	-1.62e-05	0.0	295.7	-19.68	-3.44	-0.01	-3.44e-03	-0.01	-0.31
11	6	1.95	0.03	-9.76e-04	-9.17	0.0	-19.00	5.39	-0.01	-3.79e-03	0.03	-2.73
		-2.73	-0.01	-1.78e-05	0.0	295.7	-21.54	-3.78	-0.01	-3.79e-03	-0.01	-0.35
11	7	1.77	0.02	-8.88e-04	-8.34	0.0	-17.36	4.91	-0.01	-3.44e-03	0.02	-2.49
		-2.49	-0.01	-1.62e-05	0.0	295.7	-19.68	-3.44	-0.01	-3.44e-03	-0.01	-0.31
11	8	1.95	0.03	-9.76e-04	-9.17	0.0	-19.00	5.39	-0.01	-3.79e-03	0.03	-2.73
		-2.73	-0.01	-1.78e-05	0.0	295.7	-21.54	-3.78	-0.01	-3.79e-03	-0.01	-0.35
11	9	1.77	0.02	-8.88e-04	-8.34	0.0	-17.36	4.91	-0.01	-3.44e-03	0.02	-2.49
		-2.49	-0.01	-1.62e-05	0.0	295.7	-19.68	-3.44	-0.01	-3.44e-03	-0.01	-0.31
11	10	1.95	0.03	-9.76e-04	-9.17	0.0	-19.00	5.39	-0.01	-3.79e-03	0.03	-2.73
		-2.73	-0.01	-1.78e-05	0.0	295.7	-21.54	-3.78	-0.01	-3.79e-03	-0.01	-0.35



11	11	1.77	0.02	-8.88e-04	-8.34	0.0	-17.36	4.91	-0.01	-3.44e-03	0.02	-2.49
		-2.49	-0.01	-1.62e-05	0.0	295.7	-19.68	-3.44	-0.01	-3.44e-03	-0.01	-0.31
11	12	1.95	0.03	-9.76e-04	-9.17	0.0	-19.00	5.39	-0.01	-3.79e-03	0.03	-2.73
		-2.73	-0.01	-1.78e-05	0.0	295.7	-21.54	-3.78	-0.01	-3.79e-03	-0.01	-0.35
11	13	1.51	0.02	-7.60e-04	-7.15	0.0	-14.72	4.18	-0.01	-3.04e-03	0.02	-2.10
		-2.10	-0.01	-1.43e-05	0.0	295.7	-16.71	-2.97	-0.01	-3.04e-03	-0.01	-0.31
11	14	1.58	0.02	-7.95e-04	-7.48	0.0	-15.38	4.37	-0.01	-3.18e-03	0.02	-2.19
		-2.19	-0.01	-1.49e-05	0.0	295.7	-17.45	-3.11	-0.01	-3.18e-03	-0.01	-0.32
11	15	1.60	0.02	-8.02e-04	-7.55	0.0	-15.60	4.42	-0.01	-3.17e-03	0.02	-2.23
		-2.23	-0.01	-1.49e-05	0.0	295.7	-17.70	-3.12	-0.01	-3.17e-03	-0.01	-0.31
11	16	1.51	0.02	-7.60e-04	-7.15	0.0	-14.72	4.18	-0.01	-3.04e-03	0.02	-2.10
		-2.10	-0.01	-1.43e-05	0.0	295.7	-16.71	-2.97	-0.01	-3.04e-03	-0.01	-0.31
11	17	1.51	0.02	-7.60e-04	-7.15	0.0	-14.72	4.18	-0.01	-3.04e-03	0.02	-2.10
		-2.10	-0.01	-1.43e-05	0.0	295.7	-16.71	-2.97	-0.01	-3.04e-03	-0.01	-0.31
11	18	1.51	0.02	-7.60e-04	-7.15	0.0	-14.72	4.18	-0.01	-3.04e-03	0.02	-2.10
		-2.10	-0.01	-1.43e-05	0.0	295.7	-16.71	-2.97	-0.01	-3.04e-03	-0.01	-0.31
11	19	1.51	0.02	-7.60e-04	-7.15	0.0	-14.72	4.18	-0.01	-3.04e-03	0.02	-2.10
		-2.10	-0.01	-1.43e-05	0.0	295.7	-16.71	-2.97	-0.01	-3.04e-03	-0.01	-0.31
11	20	1.51	0.02	-7.60e-04	-7.15	0.0	-14.72	4.18	-0.01	-3.04e-03	0.02	-2.10
		-2.10	-0.01	-1.43e-05	0.0	295.7	-16.71	-2.97	-0.01	-3.04e-03	-0.01	-0.31
11	21	2.36	0.03	-1.18e-03	-11.09	0.0	-23.10	6.53	-0.02	-4.56e-03	0.03	-3.31
		-3.31	-0.02	-2.14e-05	0.0	295.7	-26.17	-4.56	-0.02	-4.56e-03	-0.02	-0.41
11	22	2.88	0.04	-1.44e-03	-13.56	0.0	-28.00	7.97	-0.02	-5.59e-03	0.04	-4.03
		-4.03	-0.02	-2.63e-05	0.0	295.7	-31.76	-5.59	-0.02	-5.59e-03	-0.02	-0.51
11	23	1.91	0.03	-9.52e-04	-8.94	0.0	-18.68	5.27	-0.01	-3.65e-03	0.03	-2.68
		-2.68	-0.01	-1.71e-05	0.0	295.7	-21.16	-3.67	-0.01	-3.65e-03	-0.01	-0.31
11	24	2.43	0.03	-1.22e-03	-11.41	0.0	-23.58	6.72	-0.02	-4.68e-03	0.03	-3.40
		-3.40	-0.02	-2.20e-05	0.0	295.7	-26.74	-4.70	-0.02	-4.68e-03	-0.02	-0.42
11	25	2.62	0.04	-1.31e-03	-12.28	0.0	-25.74	7.25	-0.02	-4.96e-03	0.04	-3.70
		-3.70	-0.02	-2.33e-05	0.0	295.7	-29.14	-5.03	-0.02	-4.96e-03	-0.02	-0.41
11	26	2.88	0.04	-1.44e-03	-13.52	0.0	-28.19	7.98	-0.02	-5.48e-03	0.04	-4.06
		-4.06	-0.02	-2.58e-05	0.0	295.7	-31.94	-5.54	-0.02	-5.48e-03	-0.02	-0.46
11	27	2.17	0.03	-1.08e-03	-10.14	0.0	-21.32	6.00	-0.01	-4.05e-03	0.03	-3.07
		-3.07	-0.01	-1.90e-05	0.0	295.7	-24.13	-4.14	-0.01	-4.05e-03	-0.01	-0.32
11	28	2.43	0.03	-1.21e-03	-11.38	0.0	-23.77	6.72	-0.02	-4.57e-03	0.03	-3.43
		-3.43	-0.02	-2.15e-05	0.0	295.7	-26.92	-4.65	-0.02	-4.57e-03	-0.02	-0.37
11	29	2.36	0.03	-1.18e-03	-11.09	0.0	-23.10	6.53	-0.02	-4.56e-03	0.03	-3.31
		-3.31	-0.02	-2.14e-05	0.0	295.7	-26.17	-4.56	-0.02	-4.56e-03	-0.02	-0.41
11	30	2.62	0.04	-1.31e-03	-12.32	0.0	-25.55	7.25	-0.02	-5.08e-03	0.04	-3.67
		-3.67	-0.02	-2.39e-05	0.0	295.7	-28.96	-5.08	-0.02	-5.08e-03	-0.02	-0.46
11	31	1.91	0.03	-9.52e-04	-8.94	0.0	-18.68	5.27	-0.01	-3.65e-03	0.03	-2.68
		-2.68	-0.01	-1.71e-05	0.0	295.7	-21.16	-3.67	-0.01	-3.65e-03	-0.01	-0.31
11	32	2.17	0.03	-1.08e-03	-10.18	0.0	-21.13	5.99	-0.01	-4.16e-03	0.03	-3.04
		-3.04	-0.01	-1.96e-05	0.0	295.7	-23.95	-4.19	-0.01	-4.16e-03	-0.01	-0.37
11	33	2.36	0.03	-1.18e-03	-11.09	0.0	-23.10	6.53	-0.02	-4.56e-03	0.03	-3.31
		-3.31	-0.02	-2.14e-05	0.0	295.7	-26.17	-4.56	-0.02	-4.56e-03	-0.02	-0.41
11	34	2.62	0.04	-1.31e-03	-12.32	0.0	-25.55	7.25	-0.02	-5.08e-03	0.04	-3.67
		-3.67	-0.02	-2.39e-05	0.0	295.7	-28.96	-5.08	-0.02	-5.08e-03	-0.02	-0.46
11	35	1.91	0.03	-9.52e-04	-8.94	0.0	-18.68	5.27	-0.01	-3.65e-03	0.03	-2.68
		-2.68	-0.01	-1.71e-05	0.0	295.7	-21.16	-3.67	-0.01	-3.65e-03	-0.01	-0.31
11	36	2.17	0.03	-1.08e-03	-10.18	0.0	-21.13	5.99	-0.01	-4.16e-03	0.03	-3.04
		-3.04	-0.01	-1.96e-05	0.0	295.7	-23.95	-4.19	-0.01	-4.16e-03	-0.01	-0.37
11	37	2.36	0.03	-1.18e-03	-11.09	0.0	-23.10	6.53	-0.02	-4.56e-03	0.03	-3.31
		-3.31	-0.02	-2.14e-05	0.0	295.7	-26.17	-4.56	-0.02	-4.56e-03	-0.02	-0.41
11	38	2.62	0.04	-1.31e-03	-12.32	0.0	-25.55	7.25	-0.02	-5.08e-03	0.04	-3.67
		-3.67	-0.02	-2.39e-05	0.0	295.7	-28.96	-5.08	-0.02	-5.08e-03	-0.02	-0.46
11	39	1.91	0.03	-9.52e-04	-8.94	0.0	-18.68	5.27	-0.01	-3.65e-03	0.03	-2.68
		-2.68	-0.01	-1.71e-05	0.0	295.7	-21.16	-3.67	-0.01	-3.65e-03	-0.01	-0.31
11	40	2.17	0.03	-1.08e-03	-10.18	0.0	-21.13	5.99	-0.01	-4.16e-03	0.03	-3.04
		-3.04	-0.01	-1.96e-05	0.0	295.7	-23.95	-4.19	-0.01	-4.16e-03	-0.01	-0.37
11	41	2.36	0.03	-1.18e-03	-11.09	0.0	-23.10	6.53	-0.02	-4.56e-03	0.03	-3.31
		-3.31	-0.02	-2.14e-05	0.0	295.7	-26.17	-4.56	-0.02	-4.56e-03	-0.02	-0.41
11	42	2.62	0.04	-1.31e-03	-12.32	0.0	-25.55	7.25	-0.02	-5.08e-03	0.04	-3.67
		-3.67	-0.02	-2.39e-05	0.0	295.7	-28.96	-5.08	-0.02	-5.08e-03	-0.02	-0.46
11	43	1.91	0.03	-9.52e-04	-8.94	0.0	-18.68	5.27	-0.01	-3.65e-03	0.03	-2.68
		-2.68	-0.01	-1.71e-05	0.0	295.7	-21.16	-3.67	-0.01	-3.65e-03	-0.01	-0.31
11	44	2.17	0.03	-1.08e-03	-10.18	0.0	-21.13	5.99	-0.01	-4.16e-03	0.03	-3.04
		-3.04	-0.01	-1.96e-05	0.0	295.7	-23.95	-4.19	-0.01	-4.16e-03	-0.01	-0.37
11	45	1.51	0.02	-7.60e-04	-7.15	0.0	-14.72	4.18	-0.01	-3.04e-03	0.02	-2.10
		-2.10	-0.01	-1.43e-05	0.0	295.7	-16.71	-2.97	-0.01	-3.04e-03	-0.01	-0.31
12	1	0.0	0.0	7.08e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	2	0.0	0.0	8.43e-04	-1.55	0.0	0.19	1.55	0.0	0.0	0.0	-0.39
		-0.39	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	3	0.0	0.0	7.87e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	4	0.0	0.0	8.54e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35



12	5	-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	7.08e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	6	0.0	0.0	7.76e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	7	0.0	0.0	7.08e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	8	0.0	0.0	7.76e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	9	0.0	0.0	7.08e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	10	0.0	0.0	7.76e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	11	0.0	0.0	7.08e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	12	0.0	0.0	7.76e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	13	0.0	0.0	5.91e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	14	0.0	0.0	6.18e-04	-1.31	0.0	0.16	1.31	0.0	0.0	0.0	-0.33
		-0.33	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	15	0.0	0.0	6.30e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	16	0.0	0.0	5.91e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	17	0.0	0.0	5.91e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	18	0.0	0.0	5.91e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	19	0.0	0.0	5.91e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	20	0.0	0.0	5.91e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	21	0.0	0.0	9.45e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	22	0.0	0.0	1.15e-03	-2.08	0.0	0.25	2.08	0.0	0.0	0.0	-0.52
		-0.52	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	23	0.0	0.0	7.67e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	24	0.0	0.0	9.69e-04	-1.70	0.0	0.20	1.70	0.0	0.0	0.0	-0.43
		-0.43	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	25	0.0	0.0	1.06e-03	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	26	0.0	0.0	1.16e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	27	0.0	0.0	8.85e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	28	0.0	0.0	9.86e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	29	0.0	0.0	9.45e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	30	0.0	0.0	1.05e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	31	0.0	0.0	7.67e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	32	0.0	0.0	8.68e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	33	0.0	0.0	9.45e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	34	0.0	0.0	1.05e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	35	0.0	0.0	7.67e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	36	0.0	0.0	8.68e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	37	0.0	0.0	9.45e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	38	0.0	0.0	1.05e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	39	0.0	0.0	7.67e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	40	0.0	0.0	8.68e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	41	0.0	0.0	9.45e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	42	0.0	0.0	1.05e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0



12	43	0.0	0.0	7.67e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	44	0.0	0.0	8.68e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
12	45	0.0	0.0	5.91e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
13	1	0.0	0.0	-6.76e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	2	0.0	0.0	-8.02e-04	-1.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.39	0.0	0.0	0.0	50.4	0.19	-1.55	0.0	0.0	0.0	-0.39
13	3	0.0	0.0	-7.56e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	4	0.0	0.0	-8.19e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
13	5	0.0	0.0	-6.76e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	6	0.0	0.0	-7.39e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
13	7	0.0	0.0	-6.76e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	8	0.0	0.0	-7.39e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
13	9	0.0	0.0	-6.76e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	10	0.0	0.0	-7.39e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
13	11	0.0	0.0	-6.76e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	12	0.0	0.0	-7.39e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
13	13	0.0	0.0	-5.56e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	14	0.0	0.0	-5.82e-04	-1.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.33	0.0	0.0	0.0	50.4	0.16	-1.31	0.0	0.0	0.0	-0.33
13	15	0.0	0.0	-5.96e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	16	0.0	0.0	-5.56e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	17	0.0	0.0	-5.56e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	18	0.0	0.0	-5.56e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	19	0.0	0.0	-5.56e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	20	0.0	0.0	-5.56e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	21	0.0	0.0	-9.03e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
13	22	0.0	0.0	-1.09e-03	-2.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.52	0.0	0.0	0.0	50.4	0.25	-2.08	0.0	0.0	0.0	-0.52
13	23	0.0	0.0	-7.36e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	24	0.0	0.0	-9.25e-04	-1.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.43	0.0	0.0	0.0	50.4	0.20	-1.70	0.0	0.0	0.0	-0.43
13	25	0.0	0.0	-1.02e-03	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
13	26	0.0	0.0	-1.12e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
13	27	0.0	0.0	-8.56e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	28	0.0	0.0	-9.51e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
13	29	0.0	0.0	-9.03e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
13	30	0.0	0.0	-9.98e-04	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
13	31	0.0	0.0	-7.36e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	32	0.0	0.0	-8.31e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
13	33	0.0	0.0	-9.03e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
13	34	0.0	0.0	-9.98e-04	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
13	35	0.0	0.0	-7.36e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	36	0.0	0.0	-8.31e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0



13	37	-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
		0.0	0.0	-9.03e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
13	38	0.0	0.0	-9.98e-04	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
13	39	0.0	0.0	-7.36e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	40	0.0	0.0	-8.31e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
13	41	0.0	0.0	-9.03e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
13	42	0.0	0.0	-9.98e-04	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
13	43	0.0	0.0	-7.36e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
13	44	0.0	0.0	-8.31e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
13	45	0.0	0.0	-5.56e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
14	1	1.70	4.91e-03	-1.49e-03	-8.34	0.0	-21.25	3.43	2.45e-03	6.97e-04	-2.33e-03	-0.37
		-2.57	-2.33e-03	-3.22e-06	0.0	295.7	-18.94	-4.92	2.45e-03	6.97e-04	4.91e-03	-2.57
14	2	2.03	6.01e-03	-1.78e-03	-9.99	0.0	-25.31	4.11	3.00e-03	8.54e-04	-2.85e-03	-0.46
		-3.07	-2.85e-03	-3.95e-06	0.0	295.7	-22.54	-5.88	3.00e-03	8.54e-04	6.01e-03	-3.07
14	3	1.88	5.08e-03	-1.64e-03	-9.14	0.0	-23.32	3.74	2.53e-03	7.21e-04	-2.41e-03	-0.37
		-2.83	-2.41e-03	-3.33e-06	0.0	295.7	-20.78	-5.40	2.53e-03	7.21e-04	5.08e-03	-2.83
14	4	2.04	5.63e-03	-1.79e-03	-9.97	0.0	-25.35	4.08	2.81e-03	8.00e-04	-2.67e-03	-0.42
		-3.08	-2.67e-03	-3.69e-06	0.0	295.7	-22.59	-5.88	2.81e-03	8.00e-04	5.63e-03	-3.08
14	5	1.70	4.91e-03	-1.49e-03	-8.34	0.0	-21.25	3.43	2.45e-03	6.97e-04	-2.33e-03	-0.37
		-2.57	-2.33e-03	-3.22e-06	0.0	295.7	-18.94	-4.92	2.45e-03	6.97e-04	4.91e-03	-2.57
14	6	1.87	5.46e-03	-1.64e-03	-9.17	0.0	-23.28	3.77	2.72e-03	7.76e-04	-2.59e-03	-0.42
		-2.82	-2.59e-03	-3.58e-06	0.0	295.7	-20.74	-5.40	2.72e-03	7.76e-04	5.46e-03	-2.82
14	7	1.70	4.91e-03	-1.49e-03	-8.34	0.0	-21.25	3.43	2.45e-03	6.97e-04	-2.33e-03	-0.37
		-2.57	-2.33e-03	-3.22e-06	0.0	295.7	-18.94	-4.92	2.45e-03	6.97e-04	4.91e-03	-2.57
14	8	1.87	5.46e-03	-1.64e-03	-9.17	0.0	-23.28	3.77	2.72e-03	7.76e-04	-2.59e-03	-0.42
		-2.82	-2.59e-03	-3.58e-06	0.0	295.7	-20.74	-5.40	2.72e-03	7.76e-04	5.46e-03	-2.82
14	9	1.70	4.91e-03	-1.49e-03	-8.34	0.0	-21.25	3.43	2.45e-03	6.97e-04	-2.33e-03	-0.37
		-2.57	-2.33e-03	-3.22e-06	0.0	295.7	-18.94	-4.92	2.45e-03	6.97e-04	4.91e-03	-2.57
14	10	1.87	5.46e-03	-1.64e-03	-9.17	0.0	-23.28	3.77	2.72e-03	7.76e-04	-2.59e-03	-0.42
		-2.82	-2.59e-03	-3.58e-06	0.0	295.7	-20.74	-5.40	2.72e-03	7.76e-04	5.46e-03	-2.82
14	11	1.70	4.91e-03	-1.49e-03	-8.34	0.0	-21.25	3.43	2.45e-03	6.97e-04	-2.33e-03	-0.37
		-2.57	-2.33e-03	-3.22e-06	0.0	295.7	-18.94	-4.92	2.45e-03	6.97e-04	4.91e-03	-2.57
14	12	1.87	5.46e-03	-1.64e-03	-9.17	0.0	-23.28	3.77	2.72e-03	7.76e-04	-2.59e-03	-0.42
		-2.82	-2.59e-03	-3.58e-06	0.0	295.7	-20.74	-5.40	2.72e-03	7.76e-04	5.46e-03	-2.82
14	13	1.44	4.66e-03	-1.26e-03	-7.15	0.0	-18.16	2.96	2.32e-03	6.61e-04	-2.21e-03	-0.37
		-2.18	-2.21e-03	-3.06e-06	0.0	295.7	-16.18	-4.19	2.32e-03	6.61e-04	4.66e-03	-2.18
14	14	1.50	4.88e-03	-1.32e-03	-7.48	0.0	-18.97	3.10	2.43e-03	6.92e-04	-2.31e-03	-0.39
		-2.28	-2.31e-03	-3.20e-06	0.0	295.7	-16.90	-4.38	2.43e-03	6.92e-04	4.88e-03	-2.28
14	15	1.53	4.74e-03	-1.34e-03	-7.55	0.0	-19.19	3.12	2.36e-03	6.73e-04	-2.25e-03	-0.37
		-2.31	-2.25e-03	-3.11e-06	0.0	295.7	-17.10	-4.43	2.36e-03	6.73e-04	4.74e-03	-2.31
14	16	1.44	4.66e-03	-1.26e-03	-7.15	0.0	-18.16	2.96	2.32e-03	6.61e-04	-2.21e-03	-0.37
		-2.18	-2.21e-03	-3.06e-06	0.0	295.7	-16.18	-4.19	2.32e-03	6.61e-04	4.66e-03	-2.18
14	17	1.44	4.66e-03	-1.26e-03	-7.15	0.0	-18.16	2.96	2.32e-03	6.61e-04	-2.21e-03	-0.37
		-2.18	-2.21e-03	-3.06e-06	0.0	295.7	-16.18	-4.19	2.32e-03	6.61e-04	4.66e-03	-2.18
14	18	1.44	4.66e-03	-1.26e-03	-7.15	0.0	-18.16	2.96	2.32e-03	6.61e-04	-2.21e-03	-0.37
		-2.18	-2.21e-03	-3.06e-06	0.0	295.7	-16.18	-4.19	2.32e-03	6.61e-04	4.66e-03	-2.18
14	19	1.44	4.66e-03	-1.26e-03	-7.15	0.0	-18.16	2.96	2.32e-03	6.61e-04	-2.21e-03	-0.37
		-2.18	-2.21e-03	-3.06e-06	0.0	295.7	-16.18	-4.19	2.32e-03	6.61e-04	4.66e-03	-2.18
14	20	1.44	4.66e-03	-1.26e-03	-7.15	0.0	-18.16	2.96	2.32e-03	6.61e-04	-2.21e-03	-0.37
		-2.18	-2.21e-03	-3.06e-06	0.0	295.7	-16.18	-4.19	2.32e-03	6.61e-04	4.66e-03	-2.18
14	21	2.27	6.44e-03	-1.99e-03	-11.09	0.0	-28.25	4.55	3.21e-03	9.14e-04	-3.05e-03	-0.49
		-3.42	-3.05e-03	-4.22e-06	0.0	295.7	-25.18	-6.54	3.21e-03	9.14e-04	6.44e-03	-3.42
14	22	2.76	8.09e-03	-2.42e-03	-13.56	0.0	-34.34	5.58	4.03e-03	1.15e-03	-3.83e-03	-0.62
		-4.18	-3.83e-03	-5.31e-06	0.0	295.7	-30.58	-7.98	4.03e-03	1.15e-03	8.09e-03	-4.18
14	23	1.83	5.04e-03	-1.61e-03	-8.94	0.0	-22.80	3.66	2.51e-03	7.15e-04	-2.39e-03	-0.37
		-2.76	-2.39e-03	-3.30e-06	0.0	295.7	-20.32	-5.28	2.51e-03	7.15e-04	5.04e-03	-2.76
14	24	2.33	6.69e-03	-2.04e-03	-11.41	0.0	-28.89	4.69	3.34e-03	9.50e-04	-3.17e-03	-0.51
		-3.52	-3.17e-03	-4.39e-06	0.0	295.7	-25.73	-6.73	3.34e-03	9.50e-04	6.69e-03	-3.52
14	25	2.53	6.69e-03	-2.21e-03	-12.28	0.0	-31.34	5.02	3.33e-03	9.50e-04	-3.17e-03	-0.49
		-3.81	-3.17e-03	-4.39e-06	0.0	295.7	-27.94	-7.26	3.33e-03	9.50e-04	6.69e-03	-3.81
14	26	2.78	7.52e-03	-2.43e-03	-13.52	0.0	-34.39	5.53	3.75e-03	1.07e-03	-3.56e-03	-0.55
		-4.19	-3.56e-03	-4.93e-06	0.0	295.7	-30.64	-7.99	3.75e-03	1.07e-03	7.52e-03	-4.19
14	27	2.10	5.29e-03	-1.84e-03	-10.14	0.0	-25.90	4.13	2.64e-03	7.51e-04	-2.51e-03	-0.38
		-3.15	-2.51e-03	-3.47e-06	0.0	295.7	-23.09	-6.01	2.64e-03	7.51e-04	5.29e-03	-3.15
14	28	2.35	6.12e-03	-2.05e-03	-11.38	0.0	-28.94	4.64	3.05e-03	8.69e-04	-2.90e-03	-0.44
		-3.53	-2.90e-03	-4.01e-06	0.0	295.7	-25.79	-6.73	3.05e-03	8.69e-04	6.12e-03	-3.53
14	29	2.27	6.44e-03	-1.99e-03	-11.09	0.0	-28.25	4.55	3.21e-03	9.14e-04	-3.05e-03	-0.49
		-3.42	-3.05e-03	-4.22e-06	0.0	295.7	-25.18	-6.54	3.21e-03	9.14e-04	6.44e-03	-3.42



14	30	2.51	7.26e-03	-2.20e-03	-12.32	0.0	-31.29	5.06	3.62e-03	1.03e-03	-3.44e-03	-0.55
		-3.80	-3.44e-03	-4.77e-06	0.0	295.7	-27.88	-7.26	3.62e-03	1.03e-03	7.26e-03	-3.80
14	31	1.83	5.04e-03	-1.61e-03	-8.94	0.0	-22.80	3.66	2.51e-03	7.15e-04	-2.39e-03	-0.37
		-2.76	-2.39e-03	-3.30e-06	0.0	295.7	-20.32	-5.28	2.51e-03	7.15e-04	5.04e-03	-2.76
14	32	2.08	5.87e-03	-1.82e-03	-10.18	0.0	-25.85	4.18	2.92e-03	8.33e-04	-2.78e-03	-0.44
		-3.14	-2.78e-03	-3.85e-06	0.0	295.7	-23.03	-6.00	2.92e-03	8.33e-04	5.87e-03	-3.14
14	33	2.27	6.44e-03	-1.99e-03	-11.09	0.0	-28.25	4.55	3.21e-03	9.14e-04	-3.05e-03	-0.49
		-3.42	-3.05e-03	-4.22e-06	0.0	295.7	-25.18	-6.54	3.21e-03	9.14e-04	6.44e-03	-3.42
14	34	2.51	7.26e-03	-2.20e-03	-12.32	0.0	-31.29	5.06	3.62e-03	1.03e-03	-3.44e-03	-0.55
		-3.80	-3.44e-03	-4.77e-06	0.0	295.7	-27.88	-7.26	3.62e-03	1.03e-03	7.26e-03	-3.80
14	35	1.83	5.04e-03	-1.61e-03	-8.94	0.0	-22.80	3.66	2.51e-03	7.15e-04	-2.39e-03	-0.37
		-2.76	-2.39e-03	-3.30e-06	0.0	295.7	-20.32	-5.28	2.51e-03	7.15e-04	5.04e-03	-2.76
14	36	2.08	5.87e-03	-1.82e-03	-10.18	0.0	-25.85	4.18	2.92e-03	8.33e-04	-2.78e-03	-0.44
		-3.14	-2.78e-03	-3.85e-06	0.0	295.7	-23.03	-6.00	2.92e-03	8.33e-04	5.87e-03	-3.14
14	37	2.27	6.44e-03	-1.99e-03	-11.09	0.0	-28.25	4.55	3.21e-03	9.14e-04	-3.05e-03	-0.49
		-3.42	-3.05e-03	-4.22e-06	0.0	295.7	-25.18	-6.54	3.21e-03	9.14e-04	6.44e-03	-3.42
14	38	2.51	7.26e-03	-2.20e-03	-12.32	0.0	-31.29	5.06	3.62e-03	1.03e-03	-3.44e-03	-0.55
		-3.80	-3.44e-03	-4.77e-06	0.0	295.7	-27.88	-7.26	3.62e-03	1.03e-03	7.26e-03	-3.80
14	39	1.83	5.04e-03	-1.61e-03	-8.94	0.0	-22.80	3.66	2.51e-03	7.15e-04	-2.39e-03	-0.37
		-2.76	-2.39e-03	-3.30e-06	0.0	295.7	-20.32	-5.28	2.51e-03	7.15e-04	5.04e-03	-2.76
14	40	2.08	5.87e-03	-1.82e-03	-10.18	0.0	-25.85	4.18	2.92e-03	8.33e-04	-2.78e-03	-0.44
		-3.14	-2.78e-03	-3.85e-06	0.0	295.7	-23.03	-6.00	2.92e-03	8.33e-04	5.87e-03	-3.14
14	41	2.27	6.44e-03	-1.99e-03	-11.09	0.0	-28.25	4.55	3.21e-03	9.14e-04	-3.05e-03	-0.49
		-3.42	-3.05e-03	-4.22e-06	0.0	295.7	-25.18	-6.54	3.21e-03	9.14e-04	6.44e-03	-3.42
14	42	2.51	7.26e-03	-2.20e-03	-12.32	0.0	-31.29	5.06	3.62e-03	1.03e-03	-3.44e-03	-0.55
		-3.80	-3.44e-03	-4.77e-06	0.0	295.7	-27.88	-7.26	3.62e-03	1.03e-03	7.26e-03	-3.80
14	43	1.83	5.04e-03	-1.61e-03	-8.94	0.0	-22.80	3.66	2.51e-03	7.15e-04	-2.39e-03	-0.37
		-2.76	-2.39e-03	-3.30e-06	0.0	295.7	-20.32	-5.28	2.51e-03	7.15e-04	5.04e-03	-2.76
14	44	2.08	5.87e-03	-1.82e-03	-10.18	0.0	-25.85	4.18	2.92e-03	8.33e-04	-2.78e-03	-0.44
		-3.14	-2.78e-03	-3.85e-06	0.0	295.7	-23.03	-6.00	2.92e-03	8.33e-04	5.87e-03	-3.14
14	45	1.44	4.66e-03	-1.26e-03	-7.15	0.0	-18.16	2.96	2.32e-03	6.61e-04	-2.21e-03	-0.37
		-2.18	-2.21e-03	-3.06e-06	0.0	295.7	-16.18	-4.19	2.32e-03	6.61e-04	4.66e-03	-2.18
15	1	1.75	4.93e-03	-8.32e-04	-8.34	0.0	-18.94	4.93	-2.46e-03	-6.97e-04	4.93e-03	-2.54
		-2.54	-2.34e-03	-3.29e-06	0.0	295.7	-21.25	-3.42	-2.46e-03	-6.97e-04	-2.34e-03	-0.32
15	2	2.09	6.04e-03	-9.96e-04	-9.99	0.0	-22.54	5.89	-3.01e-03	-8.54e-04	6.04e-03	-3.04
		-3.04	-2.86e-03	-4.03e-06	0.0	295.7	-25.31	-4.10	-3.01e-03	-8.54e-04	-2.86e-03	-0.39
15	3	1.92	5.10e-03	-9.17e-04	-9.14	0.0	-20.78	5.41	-2.54e-03	-7.21e-04	5.10e-03	-2.80
		-2.80	-2.42e-03	-3.40e-06	0.0	295.7	-23.31	-3.73	-2.54e-03	-7.21e-04	-2.42e-03	-0.32
15	4	2.09	5.66e-03	-9.99e-04	-9.97	0.0	-22.58	5.90	-2.82e-03	-7.99e-04	5.66e-03	-3.05
		-3.05	-2.68e-03	-3.77e-06	0.0	295.7	-25.34	-4.07	-2.82e-03	-7.99e-04	-2.68e-03	-0.35
15	5	1.75	4.93e-03	-8.32e-04	-8.34	0.0	-18.94	4.93	-2.46e-03	-6.97e-04	4.93e-03	-2.54
		-2.54	-2.34e-03	-3.29e-06	0.0	295.7	-21.25	-3.42	-2.46e-03	-6.97e-04	-2.34e-03	-0.32
15	6	1.92	5.49e-03	-9.14e-04	-9.17	0.0	-20.74	5.41	-2.73e-03	-7.75e-04	5.49e-03	-2.79
		-2.79	-2.60e-03	-3.66e-06	0.0	295.7	-23.28	-3.76	-2.73e-03	-7.75e-04	-2.60e-03	-0.35
15	7	1.75	4.93e-03	-8.32e-04	-8.34	0.0	-18.94	4.93	-2.46e-03	-6.97e-04	4.93e-03	-2.54
		-2.54	-2.34e-03	-3.29e-06	0.0	295.7	-21.25	-3.42	-2.46e-03	-6.97e-04	-2.34e-03	-0.32
15	8	1.92	5.49e-03	-9.14e-04	-9.17	0.0	-20.74	5.41	-2.73e-03	-7.75e-04	5.49e-03	-2.79
		-2.79	-2.60e-03	-3.66e-06	0.0	295.7	-23.28	-3.76	-2.73e-03	-7.75e-04	-2.60e-03	-0.35
15	9	1.75	4.93e-03	-8.32e-04	-8.34	0.0	-18.94	4.93	-2.46e-03	-6.97e-04	4.93e-03	-2.54
		-2.54	-2.34e-03	-3.29e-06	0.0	295.7	-21.25	-3.42	-2.46e-03	-6.97e-04	-2.34e-03	-0.32
15	10	1.92	5.49e-03	-9.14e-04	-9.17	0.0	-20.74	5.41	-2.73e-03	-7.75e-04	5.49e-03	-2.79
		-2.79	-2.60e-03	-3.66e-06	0.0	295.7	-23.28	-3.76	-2.73e-03	-7.75e-04	-2.60e-03	-0.35
15	11	1.75	4.93e-03	-8.32e-04	-8.34	0.0	-18.94	4.93	-2.46e-03	-6.97e-04	4.93e-03	-2.54
		-2.54	-2.34e-03	-3.29e-06	0.0	295.7	-21.25	-3.42	-2.46e-03	-6.97e-04	-2.34e-03	-0.32
15	12	1.92	5.49e-03	-9.14e-04	-9.17	0.0	-20.74	5.41	-2.73e-03	-7.75e-04	5.49e-03	-2.79
		-2.79	-2.60e-03	-3.66e-06	0.0	295.7	-23.28	-3.76	-2.73e-03	-7.75e-04	-2.60e-03	-0.35
15	13	1.48	4.68e-03	-7.05e-04	-7.15	0.0	-16.17	4.20	-2.33e-03	-6.61e-04	4.68e-03	-2.16
		-2.16	-2.22e-03	-3.12e-06	0.0	295.7	-18.16	-2.95	-2.33e-03	-6.61e-04	-2.22e-03	-0.31
15	14	1.55	4.90e-03	-7.37e-04	-7.48	0.0	-16.90	4.39	-2.44e-03	-6.92e-04	4.90e-03	-2.26
		-2.26	-2.32e-03	-3.27e-06	0.0	295.7	-18.97	-3.09	-2.44e-03	-6.92e-04	-2.32e-03	-0.33
15	15	1.57	4.76e-03	-7.47e-04	-7.55	0.0	-17.10	4.44	-2.37e-03	-6.73e-04	4.76e-03	-2.29
		-2.29	-2.26e-03	-3.18e-06	0.0	295.7	-19.19	-3.11	-2.37e-03	-6.73e-04	-2.26e-03	-0.31
15	16	1.48	4.68e-03	-7.05e-04	-7.15	0.0	-16.17	4.20	-2.33e-03	-6.61e-04	4.68e-03	-2.16
		-2.16	-2.22e-03	-3.12e-06	0.0	295.7	-18.16	-2.95	-2.33e-03	-6.61e-04	-2.22e-03	-0.31
15	17	1.48	4.68e-03	-7.05e-04	-7.15	0.0	-16.17	4.20	-2.33e-03	-6.61e-04	4.68e-03	-2.16
		-2.16	-2.22e-03	-3.12e-06	0.0	295.7	-18.16	-2.95	-2.33e-03	-6.61e-04	-2.22e-03	-0.31
15	18	1.48	4.68e-03	-7.05e-04	-7.15	0.0	-16.17	4.20	-2.33e-03	-6.61e-04	4.68e-03	-2.16
		-2.16	-2.22e-03	-3.12e-06	0.0	295.7	-18.16	-2.95	-2.33e-03	-6.61e-04	-2.22e-03	-0.31
15	19	1.48	4.68e-03	-7.05e-04	-7.15	0.0	-16.17	4.20	-2.33e-03	-6.61e-04	4.68e-03	-2.16
		-2.16	-2.22e-03	-3.12e-06	0.0	295.7	-18.16	-2.95	-2.33e-03	-6.61e-04	-2.22e-03	-0.31
15	20	1.48	4.68e-03	-7.05e-04	-7.15	0.0	-16.17	4.20	-2.33e-03	-6.61e-04	4.68e-03	-2.16
		-2.16	-2.22e-03	-3.12e-06	0.0	295.7	-18.16	-2.95	-2.33e-03	-6.61e-04	-2.22e-03	-0.31
15	21	2.32	6.46e-03	-1.11e-03	-11.09	0.0	-25.17	6.55	-3.22e-03	-9.13e-04	6.46e-03	-3.39
		-3.39	-3.06e-03	-4.31e-06	0.0	295.7	-28.25	-4.54	-3.22e-03	-9.13e-04	-3.06e-03	-0.41
15	22	2.83	8.12e-03	-1.35e-03	-13.56	0.0	-30.58	8.00	-4.05e-03	-1.15e-03	8.12e-03	-4.13
		-4.13	-3.85e-03	-5.42e-06	0.0	295.7	-34.33	-5.56	-4.05e-03	-1.15e-03	-3.85e-03	-0.52
15	23	1.88	5.06e-03	-8.96e-04	-8.94	0.0	-20.32	5.29	-2.52e-03	-7.15e-04	5.06e-03	-2.74



15	24	-2.74	-2.40e-03	-3.37e-06	0.0	295.7	-22.80	-3.65	-2.52e-03	-7.15e-04	-2.40e-03	-0.32
		2.39	6.72e-03	-1.14e-03	-11.41	0.0	-25.72	6.74	-3.35e-03	-9.50e-04	6.72e-03	-3.49
		-3.49	-3.18e-03	-4.48e-06	0.0	295.7	-28.89	-4.67	-3.35e-03	-9.50e-04	-3.18e-03	-0.43
15	25	2.59	6.72e-03	-1.23e-03	-12.28	0.0	-27.94	7.28	-3.35e-03	-9.49e-04	6.72e-03	-3.77
		-3.77	-3.18e-03	-4.48e-06	0.0	295.7	-31.34	-5.01	-3.35e-03	-9.49e-04	-3.18e-03	-0.41
15	26	2.84	7.55e-03	-1.36e-03	-13.52	0.0	-30.64	8.00	-3.76e-03	-1.07e-03	7.55e-03	-4.15
		-4.15	-3.58e-03	-5.03e-06	0.0	295.7	-34.38	-5.52	-3.76e-03	-1.07e-03	-3.58e-03	-0.47
15	27	2.14	5.31e-03	-1.02e-03	-10.14	0.0	-23.08	6.02	-2.65e-03	-7.51e-04	5.31e-03	-3.13
		-3.13	-2.52e-03	-3.54e-06	0.0	295.7	-25.89	-4.12	-2.65e-03	-7.51e-04	-2.52e-03	-0.32
15	28	2.40	6.14e-03	-1.15e-03	-11.38	0.0	-25.78	6.74	-3.06e-03	-8.69e-04	6.14e-03	-3.50
		-3.50	-2.91e-03	-4.10e-06	0.0	295.7	-28.94	-4.63	-3.06e-03	-8.69e-04	-2.91e-03	-0.37
15	29	2.32	6.46e-03	-1.11e-03	-11.09	0.0	-25.17	6.55	-3.22e-03	-9.13e-04	6.46e-03	-3.39
		-3.39	-3.06e-03	-4.31e-06	0.0	295.7	-28.25	-4.54	-3.22e-03	-9.13e-04	-3.06e-03	-0.41
15	30	2.58	7.29e-03	-1.23e-03	-12.32	0.0	-27.87	7.27	-3.63e-03	-1.03e-03	7.29e-03	-3.76
		-3.76	-3.46e-03	-4.86e-06	0.0	295.7	-31.29	-5.05	-3.63e-03	-1.03e-03	-3.46e-03	-0.47
15	31	1.88	5.06e-03	-8.96e-04	-8.94	0.0	-20.32	5.29	-2.52e-03	-7.15e-04	5.06e-03	-2.74
		-2.74	-2.40e-03	-3.37e-06	0.0	295.7	-22.80	-3.65	-2.52e-03	-7.15e-04	-2.40e-03	-0.32
15	32	2.13	5.89e-03	-1.02e-03	-10.18	0.0	-23.02	6.02	-2.94e-03	-8.32e-04	5.89e-03	-3.11
		-3.11	-2.79e-03	-3.93e-06	0.0	295.7	-25.84	-4.16	-2.94e-03	-8.32e-04	-2.79e-03	-0.37
15	33	2.32	6.46e-03	-1.11e-03	-11.09	0.0	-25.17	6.55	-3.22e-03	-9.13e-04	6.46e-03	-3.39
		-3.39	-3.06e-03	-4.31e-06	0.0	295.7	-28.25	-4.54	-3.22e-03	-9.13e-04	-3.06e-03	-0.41
15	34	2.58	7.29e-03	-1.23e-03	-12.32	0.0	-27.87	7.27	-3.63e-03	-1.03e-03	7.29e-03	-3.76
		-3.76	-3.46e-03	-4.86e-06	0.0	295.7	-31.29	-5.05	-3.63e-03	-1.03e-03	-3.46e-03	-0.47
15	35	1.88	5.06e-03	-8.96e-04	-8.94	0.0	-20.32	5.29	-2.52e-03	-7.15e-04	5.06e-03	-2.74
		-2.74	-2.40e-03	-3.37e-06	0.0	295.7	-22.80	-3.65	-2.52e-03	-7.15e-04	-2.40e-03	-0.32
15	36	2.13	5.89e-03	-1.02e-03	-10.18	0.0	-23.02	6.02	-2.94e-03	-8.32e-04	5.89e-03	-3.11
		-3.11	-2.79e-03	-3.93e-06	0.0	295.7	-25.84	-4.16	-2.94e-03	-8.32e-04	-2.79e-03	-0.37
15	37	2.32	6.46e-03	-1.11e-03	-11.09	0.0	-25.17	6.55	-3.22e-03	-9.13e-04	6.46e-03	-3.39
		-3.39	-3.06e-03	-4.31e-06	0.0	295.7	-28.25	-4.54	-3.22e-03	-9.13e-04	-3.06e-03	-0.41
15	38	2.58	7.29e-03	-1.23e-03	-12.32	0.0	-27.87	7.27	-3.63e-03	-1.03e-03	7.29e-03	-3.76
		-3.76	-3.46e-03	-4.86e-06	0.0	295.7	-31.29	-5.05	-3.63e-03	-1.03e-03	-3.46e-03	-0.47
15	39	1.88	5.06e-03	-8.96e-04	-8.94	0.0	-20.32	5.29	-2.52e-03	-7.15e-04	5.06e-03	-2.74
		-2.74	-2.40e-03	-3.37e-06	0.0	295.7	-22.80	-3.65	-2.52e-03	-7.15e-04	-2.40e-03	-0.32
15	40	2.13	5.89e-03	-1.02e-03	-10.18	0.0	-23.02	6.02	-2.94e-03	-8.32e-04	5.89e-03	-3.11
		-3.11	-2.79e-03	-3.93e-06	0.0	295.7	-25.84	-4.16	-2.94e-03	-8.32e-04	-2.79e-03	-0.37
15	41	2.32	6.46e-03	-1.11e-03	-11.09	0.0	-25.17	6.55	-3.22e-03	-9.13e-04	6.46e-03	-3.39
		-3.39	-3.06e-03	-4.31e-06	0.0	295.7	-28.25	-4.54	-3.22e-03	-9.13e-04	-3.06e-03	-0.41
15	42	2.58	7.29e-03	-1.23e-03	-12.32	0.0	-27.87	7.27	-3.63e-03	-1.03e-03	7.29e-03	-3.76
		-3.76	-3.46e-03	-4.86e-06	0.0	295.7	-31.29	-5.05	-3.63e-03	-1.03e-03	-3.46e-03	-0.47
15	43	1.88	5.06e-03	-8.96e-04	-8.94	0.0	-20.32	5.29	-2.52e-03	-7.15e-04	5.06e-03	-2.74
		-2.74	-2.40e-03	-3.37e-06	0.0	295.7	-22.80	-3.65	-2.52e-03	-7.15e-04	-2.40e-03	-0.32
15	44	2.13	5.89e-03	-1.02e-03	-10.18	0.0	-23.02	6.02	-2.94e-03	-8.32e-04	5.89e-03	-3.11
		-3.11	-2.79e-03	-3.93e-06	0.0	295.7	-25.84	-4.16	-2.94e-03	-8.32e-04	-2.79e-03	-0.37
15	45	1.48	4.68e-03	-7.05e-04	-7.15	0.0	-16.17	4.20	-2.33e-03	-6.61e-04	4.68e-03	-2.16
		-2.16	-2.22e-03	-3.12e-06	0.0	295.7	-18.16	-2.95	-2.33e-03	-6.61e-04	-2.22e-03	-0.31
16	1	0.0	0.0	7.05e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	2	0.0	0.0	8.37e-04	-1.55	0.0	0.19	1.55	0.0	0.0	0.0	-0.39
		-0.39	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	3	0.0	0.0	7.84e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	4	0.0	0.0	8.51e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	5	0.0	0.0	7.05e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	6	0.0	0.0	7.71e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	7	0.0	0.0	7.05e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	8	0.0	0.0	7.71e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	9	0.0	0.0	7.05e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	10	0.0	0.0	7.71e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	11	0.0	0.0	7.05e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	12	0.0	0.0	7.71e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	13	0.0	0.0	5.85e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	14	0.0	0.0	6.11e-04	-1.31	0.0	0.16	1.31	0.0	0.0	0.0	-0.33
		-0.33	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	15	0.0	0.0	6.25e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	16	0.0	0.0	5.85e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0



16	17	0.0	0.0	5.85e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	18	0.0	0.0	5.85e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	19	0.0	0.0	5.85e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	20	0.0	0.0	5.85e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	21	0.0	0.0	9.40e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	22	0.0	0.0	1.14e-03	-2.08	0.0	0.25	2.08	0.0	0.0	0.0	-0.52
		-0.52	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	23	0.0	0.0	7.64e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	24	0.0	0.0	9.64e-04	-1.70	0.0	0.20	1.70	0.0	0.0	0.0	-0.43
		-0.43	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	25	0.0	0.0	1.06e-03	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	26	0.0	0.0	1.16e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	27	0.0	0.0	8.84e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	28	0.0	0.0	9.84e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	29	0.0	0.0	9.40e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	30	0.0	0.0	1.04e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	31	0.0	0.0	7.64e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	32	0.0	0.0	8.64e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	33	0.0	0.0	9.40e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	34	0.0	0.0	1.04e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	35	0.0	0.0	7.64e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	36	0.0	0.0	8.64e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	37	0.0	0.0	9.40e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	38	0.0	0.0	1.04e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	39	0.0	0.0	7.64e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	40	0.0	0.0	8.64e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	41	0.0	0.0	9.40e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	42	0.0	0.0	1.04e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	43	0.0	0.0	7.64e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	44	0.0	0.0	8.64e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
16	45	0.0	0.0	5.85e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
17	1	0.0	0.0	-6.95e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	2	0.0	0.0	-8.25e-04	-1.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.39	0.0	0.0	0.0	50.4	0.19	-1.55	0.0	0.0	0.0	-0.39
17	3	0.0	0.0	-7.75e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	4	0.0	0.0	-8.40e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
17	5	0.0	0.0	-6.95e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	6	0.0	0.0	-7.60e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
17	7	0.0	0.0	-6.95e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	8	0.0	0.0	-7.60e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
17	9	0.0	0.0	-6.95e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	10	0.0	0.0	-7.60e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0



17	11	-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
		0.0	0.0	-6.95e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	12	0.0	0.0	-7.60e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
17	13	0.0	0.0	-5.75e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	14	0.0	0.0	-6.01e-04	-1.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.33	0.0	0.0	0.0	50.4	0.16	-1.31	0.0	0.0	0.0	-0.33
17	15	0.0	0.0	-6.15e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	16	0.0	0.0	-5.75e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	17	0.0	0.0	-5.75e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	18	0.0	0.0	-5.75e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	19	0.0	0.0	-5.75e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	20	0.0	0.0	-5.75e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	21	0.0	0.0	-9.27e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
17	22	0.0	0.0	-1.12e-03	-2.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.52	0.0	0.0	0.0	50.4	0.25	-2.08	0.0	0.0	0.0	-0.52
17	23	0.0	0.0	-7.55e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	24	0.0	0.0	-9.50e-04	-1.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.43	0.0	0.0	0.0	50.4	0.20	-1.70	0.0	0.0	0.0	-0.43
17	25	0.0	0.0	-1.05e-03	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
17	26	0.0	0.0	-1.15e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
17	27	0.0	0.0	-8.75e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	28	0.0	0.0	-9.73e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
17	29	0.0	0.0	-9.27e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
17	30	0.0	0.0	-1.02e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
17	31	0.0	0.0	-7.55e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	32	0.0	0.0	-8.53e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
17	33	0.0	0.0	-9.27e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
17	34	0.0	0.0	-1.02e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
17	35	0.0	0.0	-7.55e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	36	0.0	0.0	-8.53e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
17	37	0.0	0.0	-9.27e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
17	38	0.0	0.0	-1.02e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
17	39	0.0	0.0	-7.55e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	40	0.0	0.0	-8.53e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
17	41	0.0	0.0	-9.27e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
17	42	0.0	0.0	-1.02e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
17	43	0.0	0.0	-7.55e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
17	44	0.0	0.0	-8.53e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
17	45	0.0	0.0	-5.75e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
18	1	1.73	4.20e-05	-1.51e-03	-8.34	0.0	-21.28	3.41	2.12e-05	7.32e-06	-2.08e-05	-0.33
		-2.57	-2.08e-05	0.0	0.0	295.7	-18.96	-4.93	2.12e-05	7.32e-06	4.20e-05	-2.57
18	2	2.06	9.79e-05	-1.80e-03	-9.99	0.0	-25.36	4.09	4.92e-05	1.55e-05	-4.74e-05	-0.41
		-3.07	-4.74e-05	0.0	0.0	295.7	-22.59	-5.90	4.92e-05	1.55e-05	9.79e-05	-3.07
18	3	1.90	1.91e-05	-1.66e-03	-9.14	0.0	-23.31	3.73	-2.08e-05	-4.59e-06	1.91e-05	-0.33
		-2.83	-4.25e-05	0.0	0.0	295.7	-20.78	-5.42	-2.08e-05	-4.59e-06	-4.25e-05	-2.83



18	4	2.07	5.77e-06	-1.81e-03	-9.97	0.0	-25.35	4.07	-6.87e-06	0.0	5.77e-06	-0.37
		-3.08	-1.46e-05	0.0	0.0	295.7	-22.59	-5.90	-6.87e-06	0.0	-1.46e-05	-3.08
18	5	1.73	4.20e-05	-1.51e-03	-8.34	0.0	-21.28	3.41	2.12e-05	7.32e-06	-2.08e-05	-0.33
		-2.57	-2.08e-05	0.0	0.0	295.7	-18.96	-4.93	2.12e-05	7.32e-06	4.20e-05	-2.57
18	6	1.90	7.00e-05	-1.66e-03	-9.17	0.0	-23.32	3.75	3.52e-05	1.14e-05	-3.41e-05	-0.37
		-2.82	-3.41e-05	0.0	0.0	295.7	-20.77	-5.41	3.52e-05	1.14e-05	7.00e-05	-2.82
18	7	1.73	4.20e-05	-1.51e-03	-8.34	0.0	-21.28	3.41	2.12e-05	7.32e-06	-2.08e-05	-0.33
		-2.57	-2.08e-05	0.0	0.0	295.7	-18.96	-4.93	2.12e-05	7.32e-06	4.20e-05	-2.57
18	8	1.90	7.00e-05	-1.66e-03	-9.17	0.0	-23.32	3.75	3.52e-05	1.14e-05	-3.41e-05	-0.37
		-2.82	-3.41e-05	0.0	0.0	295.7	-20.77	-5.41	3.52e-05	1.14e-05	7.00e-05	-2.82
18	9	1.73	4.20e-05	-1.51e-03	-8.34	0.0	-21.28	3.41	2.12e-05	7.32e-06	-2.08e-05	-0.33
		-2.57	-2.08e-05	0.0	0.0	295.7	-18.96	-4.93	2.12e-05	7.32e-06	4.20e-05	-2.57
18	10	1.90	7.00e-05	-1.66e-03	-9.17	0.0	-23.32	3.75	3.52e-05	1.14e-05	-3.41e-05	-0.37
		-2.82	-3.41e-05	0.0	0.0	295.7	-20.77	-5.41	3.52e-05	1.14e-05	7.00e-05	-2.82
18	11	1.73	4.20e-05	-1.51e-03	-8.34	0.0	-21.28	3.41	2.12e-05	7.32e-06	-2.08e-05	-0.33
		-2.57	-2.08e-05	0.0	0.0	295.7	-18.96	-4.93	2.12e-05	7.32e-06	4.20e-05	-2.57
18	12	1.90	7.00e-05	-1.66e-03	-9.17	0.0	-23.32	3.75	3.52e-05	1.14e-05	-3.41e-05	-0.37
		-2.82	-3.41e-05	0.0	0.0	295.7	-20.77	-5.41	3.52e-05	1.14e-05	7.00e-05	-2.82
18	13	1.46	1.69e-04	-1.28e-03	-7.15	0.0	-18.22	2.95	8.43e-05	2.52e-05	-8.06e-05	-0.33
		-2.18	-8.06e-05	0.0	0.0	295.7	-16.24	-4.20	8.43e-05	2.52e-05	1.69e-04	-2.18
18	14	1.53	1.80e-04	-1.34e-03	-7.48	0.0	-19.04	3.08	8.99e-05	2.68e-05	-8.59e-05	-0.34
		-2.28	-8.59e-05	0.0	0.0	295.7	-16.96	-4.39	8.99e-05	2.68e-05	1.80e-04	-2.28
18	15	1.55	1.27e-04	-1.36e-03	-7.55	0.0	-19.24	3.10	6.33e-05	1.92e-05	-6.07e-05	-0.33
		-2.31	-6.07e-05	0.0	0.0	295.7	-17.15	-4.44	6.33e-05	1.92e-05	1.27e-04	-2.31
18	16	1.46	1.69e-04	-1.28e-03	-7.15	0.0	-18.22	2.95	8.43e-05	2.52e-05	-8.06e-05	-0.33
		-2.18	-8.06e-05	0.0	0.0	295.7	-16.24	-4.20	8.43e-05	2.52e-05	1.69e-04	-2.18
18	17	1.46	1.69e-04	-1.28e-03	-7.15	0.0	-18.22	2.95	8.43e-05	2.52e-05	-8.06e-05	-0.33
		-2.18	-8.06e-05	0.0	0.0	295.7	-16.24	-4.20	8.43e-05	2.52e-05	1.69e-04	-2.18
18	18	1.46	1.69e-04	-1.28e-03	-7.15	0.0	-18.22	2.95	8.43e-05	2.52e-05	-8.06e-05	-0.33
		-2.18	-8.06e-05	0.0	0.0	295.7	-16.24	-4.20	8.43e-05	2.52e-05	1.69e-04	-2.18
18	19	1.46	1.69e-04	-1.28e-03	-7.15	0.0	-18.22	2.95	8.43e-05	2.52e-05	-8.06e-05	-0.33
		-2.18	-8.06e-05	0.0	0.0	295.7	-16.24	-4.20	8.43e-05	2.52e-05	1.69e-04	-2.18
18	20	1.46	1.69e-04	-1.28e-03	-7.15	0.0	-18.22	2.95	8.43e-05	2.52e-05	-8.06e-05	-0.33
		-2.18	-8.06e-05	0.0	0.0	295.7	-16.24	-4.20	8.43e-05	2.52e-05	1.69e-04	-2.18
18	21	2.30	2.93e-05	-2.01e-03	-11.09	0.0	-28.27	4.53	1.50e-05	5.95e-06	-1.51e-05	-0.43
		-3.42	-1.51e-05	0.0	0.0	295.7	-25.20	-6.55	1.50e-05	5.95e-06	2.93e-05	-3.42
18	22	2.80	1.13e-04	-2.45e-03	-13.56	0.0	-34.39	5.55	5.69e-05	1.83e-05	-5.50e-05	-0.54
		-4.17	-5.50e-05	0.0	0.0	295.7	-30.63	-8.01	5.69e-05	1.83e-05	1.13e-04	-4.17
18	23	1.86	9.11e-06	-1.63e-03	-8.94	0.0	-22.80	3.65	-1.03e-05	-1.61e-06	9.11e-06	-0.33
		-2.76	-2.14e-05	0.0	0.0	295.7	-20.32	-5.29	-1.03e-05	-1.61e-06	-2.14e-05	-2.76
18	24	2.36	6.25e-05	-2.07e-03	-11.41	0.0	-28.92	4.67	3.16e-05	1.07e-05	-3.08e-05	-0.45
		-3.52	-3.08e-05	0.0	0.0	295.7	-25.76	-6.75	3.16e-05	1.07e-05	6.25e-05	-3.52
18	25	2.56	4.47e-05	-2.24e-03	-12.28	0.0	-31.32	5.00	-4.81e-05	-1.19e-05	4.47e-05	-0.43
		-3.81	-9.75e-05	0.0	0.0	295.7	-27.92	-7.28	-4.81e-05	-1.19e-05	-9.75e-05	-3.81
18	26	2.82	2.48e-05	-2.46e-03	-13.52	0.0	-34.38	5.51	-2.72e-05	-5.75e-06	2.48e-05	-0.49
		-4.19	-5.56e-05	0.0	0.0	295.7	-30.64	-8.01	-2.72e-05	-5.75e-06	-5.56e-05	-4.19
18	27	2.13	6.89e-05	-1.85e-03	-10.14	0.0	-25.86	4.11	-7.34e-05	-1.95e-05	6.89e-05	-0.33
		-3.15	-1.48e-04	0.0	0.0	295.7	-23.05	-6.03	-7.34e-05	-1.95e-05	-1.48e-04	-3.15
18	28	2.38	4.90e-05	-2.07e-03	-11.38	0.0	-28.92	4.62	-5.25e-05	-1.33e-05	4.90e-05	-0.39
		-3.53	-1.06e-04	0.0	0.0	295.7	-25.77	-6.75	-5.25e-05	-1.33e-05	-1.06e-04	-3.53
18	29	2.30	2.93e-05	-2.01e-03	-11.09	0.0	-28.27	4.53	1.50e-05	5.95e-06	-1.51e-05	-0.43
		-3.42	-1.51e-05	0.0	0.0	295.7	-25.20	-6.55	1.50e-05	5.95e-06	2.93e-05	-3.42
18	30	2.55	7.12e-05	-2.23e-03	-12.32	0.0	-31.33	5.04	3.59e-05	1.21e-05	-3.50e-05	-0.49
		-3.80	-3.50e-05	0.0	0.0	295.7	-27.91	-7.28	3.59e-05	1.21e-05	7.12e-05	-3.80
18	31	1.86	9.11e-06	-1.63e-03	-8.94	0.0	-22.80	3.65	-1.03e-05	-1.61e-06	9.11e-06	-0.33
		-2.76	-2.14e-05	0.0	0.0	295.7	-20.32	-5.29	-1.03e-05	-1.61e-06	-2.14e-05	-2.76
18	32	2.11	2.06e-05	-1.85e-03	-10.18	0.0	-25.86	4.16	1.06e-05	4.55e-06	-1.09e-05	-0.39
		-3.14	-1.09e-05	0.0	0.0	295.7	-23.04	-6.02	1.06e-05	4.55e-06	2.06e-05	-3.14
18	33	2.30	2.93e-05	-2.01e-03	-11.09	0.0	-28.27	4.53	1.50e-05	5.95e-06	-1.51e-05	-0.43
		-3.42	-1.51e-05	0.0	0.0	295.7	-25.20	-6.55	1.50e-05	5.95e-06	2.93e-05	-3.42
18	34	2.55	7.12e-05	-2.23e-03	-12.32	0.0	-31.33	5.04	3.59e-05	1.21e-05	-3.50e-05	-0.49
		-3.80	-3.50e-05	0.0	0.0	295.7	-27.91	-7.28	3.59e-05	1.21e-05	7.12e-05	-3.80
18	35	1.86	9.11e-06	-1.63e-03	-8.94	0.0	-22.80	3.65	-1.03e-05	-1.61e-06	9.11e-06	-0.33
		-2.76	-2.14e-05	0.0	0.0	295.7	-20.32	-5.29	-1.03e-05	-1.61e-06	-2.14e-05	-2.76
18	36	2.11	2.06e-05	-1.85e-03	-10.18	0.0	-25.86	4.16	1.06e-05	4.55e-06	-1.09e-05	-0.39
		-3.14	-1.09e-05	0.0	0.0	295.7	-23.04	-6.02	1.06e-05	4.55e-06	2.06e-05	-3.14
18	37	2.30	2.93e-05	-2.01e-03	-11.09	0.0	-28.27	4.53	1.50e-05	5.95e-06	-1.51e-05	-0.43
		-3.42	-1.51e-05	0.0	0.0	295.7	-25.20	-6.55	1.50e-05	5.95e-06	2.93e-05	-3.42
18	38	2.55	7.12e-05	-2.23e-03	-12.32	0.0	-31.33	5.04	3.59e-05	1.21e-05	-3.50e-05	-0.49
		-3.80	-3.50e-05	0.0	0.0	295.7	-27.91	-7.28	3.59e-05	1.21e-05	7.12e-05	-3.80
18	39	1.86	9.11e-06	-1.63e-03	-8.94	0.0	-22.80	3.65	-1.03e-05	-1.61e-06	9.11e-06	-0.33
		-2.76	-2.14e-05	0.0	0.0	295.7	-20.32	-5.29	-1.03e-05	-1.61e-06	-2.14e-05	-2.76
18	40	2.11	2.06e-05	-1.85e-03	-10.18	0.0	-25.86	4.16	1.06e-05	4.55e-06	-1.09e-05	-0.39
		-3.14	-1.09e-05	0.0	0.0	295.7	-23.04	-6.02	1.06e-05	4.55e-06	2.06e-05	-3.14
18	41	2.30	2.93e-05	-2.01e-03	-11.09	0.0	-28.27	4.53	1.50e-05	5.95e-06	-1.51e-05	-0.43
		-3.42	-1.51e-05	0.0	0.0	295.7	-25.20	-6.55	1.50e-05	5.95e-06	2.93e-05	-3.42
18	42	2.55	7.12e-05	-2.23e-03	-12.32	0.0	-31.33	5.04	3.59e-05	1.21e-05	-3.50e-05	-0.49



		-3.80	-3.50e-05	0.0	0.0	295.7	-27.91	-7.28	3.59e-05	1.21e-05	7.12e-05	-3.80
18	43	1.86	9.11e-06	-1.63e-03	-8.94	0.0	-22.80	3.65	-1.03e-05	-1.61e-06	9.11e-06	-0.33
		-2.76	-2.14e-05	0.0	0.0	295.7	-20.32	-5.29	-1.03e-05	-1.61e-06	-2.14e-05	-2.76
18	44	2.11	2.06e-05	-1.85e-03	-10.18	0.0	-25.86	4.16	1.06e-05	4.55e-06	-1.09e-05	-0.39
		-3.14	-1.09e-05	0.0	0.0	295.7	-23.04	-6.02	1.06e-05	4.55e-06	2.06e-05	-3.14
18	45	1.46	1.69e-04	-1.28e-03	-7.15	0.0	-18.22	2.95	8.43e-05	2.52e-05	-8.06e-05	-0.33
		-2.18	-8.06e-05	0.0	0.0	295.7	-16.24	-4.20	8.43e-05	2.52e-05	1.69e-04	-2.18
19	1	1.74	5.33e-05	-8.22e-04	-8.34	0.0	-18.96	4.93	-2.69e-05	-7.20e-06	5.33e-05	-2.56
		-2.56	-2.62e-05	0.0	0.0	295.7	-21.27	-3.41	-2.69e-05	-7.20e-06	-2.62e-05	-0.32
19	2	2.07	1.12e-04	-9.83e-04	-9.99	0.0	-22.58	5.90	-5.62e-05	-1.54e-05	1.12e-04	-3.07
		-3.07	-5.41e-05	0.0	0.0	295.7	-25.35	-4.09	-5.62e-05	-1.54e-05	-5.41e-05	-0.39
19	3	1.91	1.37e-05	-9.08e-04	-9.14	0.0	-20.78	5.42	1.52e-05	4.71e-06	-3.12e-05	-2.82
		-2.82	-3.12e-05	0.0	0.0	295.7	-23.31	-3.72	1.52e-05	4.71e-06	1.37e-05	-0.32
19	4	2.08	0.0	-9.88e-04	-9.97	0.0	-22.59	5.90	0.0	0.0	-1.87e-06	-3.08
		-3.08	-1.87e-06	0.0	0.0	295.7	-25.35	-4.06	0.0	0.0	0.0	-0.35
19	5	1.74	5.33e-05	-8.22e-04	-8.34	0.0	-18.96	4.93	-2.69e-05	-7.20e-06	5.33e-05	-2.56
		-2.56	-2.62e-05	0.0	0.0	295.7	-21.27	-3.41	-2.69e-05	-7.20e-06	-2.62e-05	-0.32
19	6	1.90	8.27e-05	-9.03e-04	-9.17	0.0	-20.77	5.42	-4.15e-05	-1.13e-05	8.27e-05	-2.82
		-2.82	-4.01e-05	0.0	0.0	295.7	-23.31	-3.75	-4.15e-05	-1.13e-05	-4.01e-05	-0.35
19	7	1.74	5.33e-05	-8.22e-04	-8.34	0.0	-18.96	4.93	-2.69e-05	-7.20e-06	5.33e-05	-2.56
		-2.56	-2.62e-05	0.0	0.0	295.7	-21.27	-3.41	-2.69e-05	-7.20e-06	-2.62e-05	-0.32
19	8	1.90	8.27e-05	-9.03e-04	-9.17	0.0	-20.77	5.42	-4.15e-05	-1.13e-05	8.27e-05	-2.82
		-2.82	-4.01e-05	0.0	0.0	295.7	-23.31	-3.75	-4.15e-05	-1.13e-05	-4.01e-05	-0.35
19	9	1.74	5.33e-05	-8.22e-04	-8.34	0.0	-18.96	4.93	-2.69e-05	-7.20e-06	5.33e-05	-2.56
		-2.56	-2.62e-05	0.0	0.0	295.7	-21.27	-3.41	-2.69e-05	-7.20e-06	-2.62e-05	-0.32
19	10	1.90	8.27e-05	-9.03e-04	-9.17	0.0	-20.77	5.42	-4.15e-05	-1.13e-05	8.27e-05	-2.82
		-2.82	-4.01e-05	0.0	0.0	295.7	-23.31	-3.75	-4.15e-05	-1.13e-05	-4.01e-05	-0.35
19	11	1.74	5.33e-05	-8.22e-04	-8.34	0.0	-18.96	4.93	-2.69e-05	-7.20e-06	5.33e-05	-2.56
		-2.56	-2.62e-05	0.0	0.0	295.7	-21.27	-3.41	-2.69e-05	-7.20e-06	-2.62e-05	-0.32
19	12	1.90	8.27e-05	-9.03e-04	-9.17	0.0	-20.77	5.42	-4.15e-05	-1.13e-05	8.27e-05	-2.82
		-2.82	-4.01e-05	0.0	0.0	295.7	-23.31	-3.75	-4.15e-05	-1.13e-05	-4.01e-05	-0.35
19	13	1.47	1.80e-04	-6.94e-04	-7.15	0.0	-16.24	4.20	-9.00e-05	-2.51e-05	1.80e-04	-2.18
		-2.18	-8.60e-05	0.0	0.0	295.7	-18.22	-2.95	-9.00e-05	-2.51e-05	-8.60e-05	-0.32
19	14	1.54	1.92e-04	-7.26e-04	-7.48	0.0	-16.96	4.40	-9.58e-05	-2.67e-05	1.92e-04	-2.28
		-2.28	-9.16e-05	0.0	0.0	295.7	-19.04	-3.08	-9.58e-05	-2.67e-05	-9.16e-05	-0.33
19	15	1.56	1.38e-04	-7.37e-04	-7.55	0.0	-17.15	4.45	-6.90e-05	-1.91e-05	1.38e-04	-2.31
		-2.31	-6.61e-05	0.0	0.0	295.7	-19.24	-3.10	-6.90e-05	-1.91e-05	-6.61e-05	-0.32
19	16	1.47	1.80e-04	-6.94e-04	-7.15	0.0	-16.24	4.20	-9.00e-05	-2.51e-05	1.80e-04	-2.18
		-2.18	-8.60e-05	0.0	0.0	295.7	-18.22	-2.95	-9.00e-05	-2.51e-05	-8.60e-05	-0.32
19	17	1.47	1.80e-04	-6.94e-04	-7.15	0.0	-16.24	4.20	-9.00e-05	-2.51e-05	1.80e-04	-2.18
		-2.18	-8.60e-05	0.0	0.0	295.7	-18.22	-2.95	-9.00e-05	-2.51e-05	-8.60e-05	-0.32
19	18	1.47	1.80e-04	-6.94e-04	-7.15	0.0	-16.24	4.20	-9.00e-05	-2.51e-05	1.80e-04	-2.18
		-2.18	-8.60e-05	0.0	0.0	295.7	-18.22	-2.95	-9.00e-05	-2.51e-05	-8.60e-05	-0.32
19	19	1.47	1.80e-04	-6.94e-04	-7.15	0.0	-16.24	4.20	-9.00e-05	-2.51e-05	1.80e-04	-2.18
		-2.18	-8.60e-05	0.0	0.0	295.7	-18.22	-2.95	-9.00e-05	-2.51e-05	-8.60e-05	-0.32
19	20	1.47	1.80e-04	-6.94e-04	-7.15	0.0	-16.24	4.20	-9.00e-05	-2.51e-05	1.80e-04	-2.18
		-2.18	-8.60e-05	0.0	0.0	295.7	-18.22	-2.95	-9.00e-05	-2.51e-05	-8.60e-05	-0.32
19	21	2.31	4.40e-05	-1.09e-03	-11.09	0.0	-25.20	6.56	-2.23e-05	-5.79e-06	4.40e-05	-3.41
		-3.41	-2.21e-05	0.0	0.0	295.7	-28.27	-4.53	-2.23e-05	-5.79e-06	-2.21e-05	-0.41
19	22	2.82	1.32e-04	-1.34e-03	-13.56	0.0	-30.63	8.01	-6.62e-05	-1.81e-05	1.32e-04	-4.17
		-4.17	-6.39e-05	0.0	0.0	295.7	-34.39	-5.55	-6.62e-05	-1.81e-05	-6.39e-05	-0.53
19	23	1.87	3.74e-06	-8.86e-04	-8.94	0.0	-20.32	5.30	4.67e-06	1.73e-06	-1.01e-05	-2.76
		-2.76	-1.01e-05	0.0	0.0	295.7	-22.80	-3.65	4.67e-06	1.73e-06	3.74e-06	-0.32
19	24	2.37	7.79e-05	-1.13e-03	-11.41	0.0	-25.76	6.75	-3.92e-05	-1.05e-05	7.79e-05	-3.51
		-3.51	-3.81e-05	0.0	0.0	295.7	-28.92	-4.66	-3.92e-05	-1.05e-05	-3.81e-05	-0.43
19	25	2.57	3.78e-05	-1.22e-03	-12.28	0.0	-27.92	7.29	4.08e-05	1.21e-05	-8.28e-05	-3.80
		-3.80	-8.28e-05	0.0	0.0	295.7	-31.32	-5.00	4.08e-05	1.21e-05	3.78e-05	-0.41
19	26	2.83	1.68e-05	-1.34e-03	-13.52	0.0	-30.64	8.01	1.88e-05	5.94e-06	-3.88e-05	-4.18
		-4.18	-3.88e-05	0.0	0.0	295.7	-34.38	-5.51	1.88e-05	5.94e-06	1.68e-05	-0.47
19	27	2.13	6.36e-05	-1.01e-03	-10.14	0.0	-23.05	6.03	6.78e-05	1.96e-05	-1.37e-04	-3.15
		-3.15	-1.37e-04	0.0	0.0	295.7	-25.86	-4.11	6.78e-05	1.96e-05	6.36e-05	-0.32
19	28	2.39	4.26e-05	-1.14e-03	-11.38	0.0	-25.76	6.75	4.58e-05	1.35e-05	-9.29e-05	-3.53
		-3.53	-9.29e-05	0.0	0.0	295.7	-28.92	-4.62	4.58e-05	1.35e-05	4.26e-05	-0.37
19	29	2.31	4.40e-05	-1.09e-03	-11.09	0.0	-25.20	6.56	-2.23e-05	-5.79e-06	4.40e-05	-3.41
		-3.41	-2.21e-05	0.0	0.0	295.7	-28.27	-4.53	-2.23e-05	-5.79e-06	-2.21e-05	-0.41
19	30	2.56	8.80e-05	-1.22e-03	-12.32	0.0	-27.91	7.28	-4.43e-05	-1.19e-05	8.80e-05	-3.79
		-3.79	-4.30e-05	0.0	0.0	295.7	-31.33	-5.04	-4.43e-05	-1.19e-05	-4.30e-05	-0.47
19	31	1.87	3.74e-06	-8.86e-04	-8.94	0.0	-20.32	5.30	4.67e-06	1.73e-06	-1.01e-05	-2.76
		-2.76	-1.01e-05	0.0	0.0	295.7	-22.80	-3.65	4.67e-06	1.73e-06	3.74e-06	-0.32
19	32	2.12	3.39e-05	-1.01e-03	-10.18	0.0	-23.04	6.02	-1.73e-05	-4.41e-06	3.39e-05	-3.14
		-3.14	-1.72e-05	0.0	0.0	295.7	-25.86	-4.16	-1.73e-05	-4.41e-06	-1.72e-05	-0.37
19	33	2.31	4.40e-05	-1.09e-03	-11.09	0.0	-25.20	6.56	-2.23e-05	-5.79e-06	4.40e-05	-3.41
		-3.41	-2.21e-05	0.0	0.0	295.7	-28.27	-4.53	-2.23e-05	-5.79e-06	-2.21e-05	-0.41
19	34	2.56	8.80e-05	-1.22e-03	-12.32	0.0	-27.91	7.28	-4.43e-05	-1.19e-05	8.80e-05	-3.79
		-3.79	-4.30e-05	0.0	0.0	295.7	-31.33	-5.04	-4.43e-05	-1.19e-05	-4.30e-05	-0.47
19	35	1.87	3.74e-06	-8.86e-04	-8.94	0.0	-20.32	5.30	4.67e-06	1.73e-06	-1.01e-05	-2.76
		-2.76	-1.01e-05	0.0	0.0	295.7	-22.80	-3.65	4.67e-06	1.73e-06	3.74e-06	-0.32



19	36	2.12	3.39e-05	-1.01e-03	-10.18	0.0	-23.04	6.02	-1.73e-05	-4.41e-06	3.39e-05	-3.14
		-3.14	-1.72e-05	0.0	0.0	295.7	-25.86	-4.16	-1.73e-05	-4.41e-06	-1.72e-05	-0.37
19	37	2.31	4.40e-05	-1.09e-03	-11.09	0.0	-25.20	6.56	-2.23e-05	-5.79e-06	4.40e-05	-3.41
		-3.41	-2.21e-05	0.0	0.0	295.7	-28.27	-4.53	-2.23e-05	-5.79e-06	-2.21e-05	-0.41
19	38	2.56	8.80e-05	-1.22e-03	-12.32	0.0	-27.91	7.28	-4.43e-05	-1.19e-05	8.80e-05	-3.79
		-3.79	-4.30e-05	0.0	0.0	295.7	-31.33	-5.04	-4.43e-05	-1.19e-05	-4.30e-05	-0.47
19	39	1.87	3.74e-06	-8.86e-04	-8.94	0.0	-20.32	5.30	4.67e-06	1.73e-06	-1.01e-05	-2.76
		-2.76	-1.01e-05	0.0	0.0	295.7	-22.80	-3.65	4.67e-06	1.73e-06	3.74e-06	-0.32
19	40	2.12	3.39e-05	-1.01e-03	-10.18	0.0	-23.04	6.02	-1.73e-05	-4.41e-06	3.39e-05	-3.14
		-3.14	-1.72e-05	0.0	0.0	295.7	-25.86	-4.16	-1.73e-05	-4.41e-06	-1.72e-05	-0.37
19	41	2.31	4.40e-05	-1.09e-03	-11.09	0.0	-25.20	6.56	-2.23e-05	-5.79e-06	4.40e-05	-3.41
		-3.41	-2.21e-05	0.0	0.0	295.7	-28.27	-4.53	-2.23e-05	-5.79e-06	-2.21e-05	-0.41
19	42	2.56	8.80e-05	-1.22e-03	-12.32	0.0	-27.91	7.28	-4.43e-05	-1.19e-05	8.80e-05	-3.79
		-3.79	-4.30e-05	0.0	0.0	295.7	-31.33	-5.04	-4.43e-05	-1.19e-05	-4.30e-05	-0.47
19	43	1.87	3.74e-06	-8.86e-04	-8.94	0.0	-20.32	5.30	4.67e-06	1.73e-06	-1.01e-05	-2.76
		-2.76	-1.01e-05	0.0	0.0	295.7	-22.80	-3.65	4.67e-06	1.73e-06	3.74e-06	-0.32
19	44	2.12	3.39e-05	-1.01e-03	-10.18	0.0	-23.04	6.02	-1.73e-05	-4.41e-06	3.39e-05	-3.14
		-3.14	-1.72e-05	0.0	0.0	295.7	-25.86	-4.16	-1.73e-05	-4.41e-06	-1.72e-05	-0.37
19	45	1.47	1.80e-04	-6.94e-04	-7.15	0.0	-16.24	4.20	-9.00e-05	-2.51e-05	1.80e-04	-2.18
		-2.18	-8.60e-05	0.0	0.0	295.7	-18.22	-2.95	-9.00e-05	-2.51e-05	-8.60e-05	-0.32
20	1	0.0	0.0	7.00e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	2	0.0	0.0	8.32e-04	-1.55	0.0	0.19	1.55	0.0	0.0	0.0	-0.39
		-0.39	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	3	0.0	0.0	7.80e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	4	0.0	0.0	8.46e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	5	0.0	0.0	7.00e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	6	0.0	0.0	7.66e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	7	0.0	0.0	7.00e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	8	0.0	0.0	7.66e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	9	0.0	0.0	7.00e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	10	0.0	0.0	7.66e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	11	0.0	0.0	7.00e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	12	0.0	0.0	7.66e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	13	0.0	0.0	5.80e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	14	0.0	0.0	6.07e-04	-1.31	0.0	0.16	1.31	0.0	0.0	0.0	-0.33
		-0.33	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	15	0.0	0.0	6.20e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	16	0.0	0.0	5.80e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	17	0.0	0.0	5.80e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	18	0.0	0.0	5.80e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	19	0.0	0.0	5.80e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	20	0.0	0.0	5.80e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	21	0.0	0.0	9.34e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	22	0.0	0.0	1.13e-03	-2.08	0.0	0.25	2.08	0.0	0.0	0.0	-0.52
		-0.52	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	23	0.0	0.0	7.60e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	24	0.0	0.0	9.58e-04	-1.70	0.0	0.20	1.70	0.0	0.0	0.0	-0.43
		-0.43	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	25	0.0	0.0	1.05e-03	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	26	0.0	0.0	1.15e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	27	0.0	0.0	8.80e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	28	0.0	0.0	9.79e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	29	0.0	0.0	9.34e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41



20	30	-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.03e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	31	0.0	0.0	7.60e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	32	0.0	0.0	8.59e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	33	0.0	0.0	9.34e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	34	0.0	0.0	1.03e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	35	0.0	0.0	7.60e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	36	0.0	0.0	8.59e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	37	0.0	0.0	9.34e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	38	0.0	0.0	1.03e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	39	0.0	0.0	7.60e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	40	0.0	0.0	8.59e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	41	0.0	0.0	9.34e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	42	0.0	0.0	1.03e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	43	0.0	0.0	7.60e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	44	0.0	0.0	8.59e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
20	45	0.0	0.0	5.80e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
21	1	0.0	0.0	-7.00e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	2	0.0	0.0	-8.32e-04	-1.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.39	0.0	0.0	0.0	50.4	0.19	-1.55	0.0	0.0	0.0	-0.39
21	3	0.0	0.0	-7.80e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	4	0.0	0.0	-8.46e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
21	5	0.0	0.0	-7.00e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	6	0.0	0.0	-7.66e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
21	7	0.0	0.0	-7.00e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	8	0.0	0.0	-7.66e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
21	9	0.0	0.0	-7.00e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	10	0.0	0.0	-7.66e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
21	11	0.0	0.0	-7.00e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	12	0.0	0.0	-7.66e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
21	13	0.0	0.0	-5.80e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	14	0.0	0.0	-6.07e-04	-1.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.33	0.0	0.0	0.0	50.4	0.16	-1.31	0.0	0.0	0.0	-0.33
21	15	0.0	0.0	-6.20e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	16	0.0	0.0	-5.80e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	17	0.0	0.0	-5.80e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	18	0.0	0.0	-5.80e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	19	0.0	0.0	-5.80e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	20	0.0	0.0	-5.80e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	21	0.0	0.0	-9.34e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
21	22	0.0	0.0	-1.13e-03	-2.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.52	0.0	0.0	0.0	50.4	0.25	-2.08	0.0	0.0	0.0	-0.52



21	23	0.0	0.0	-7.60e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	24	0.0	0.0	-9.58e-04	-1.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.43	0.0	0.0	0.0	50.4	0.20	-1.70	0.0	0.0	0.0	-0.43
21	25	0.0	0.0	-1.05e-03	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
21	26	0.0	0.0	-1.15e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
21	27	0.0	0.0	-8.80e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	28	0.0	0.0	-9.79e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
21	29	0.0	0.0	-9.34e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
21	30	0.0	0.0	-1.03e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
21	31	0.0	0.0	-7.60e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	32	0.0	0.0	-8.59e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
21	33	0.0	0.0	-9.34e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
21	34	0.0	0.0	-1.03e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
21	35	0.0	0.0	-7.60e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	36	0.0	0.0	-8.59e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
21	37	0.0	0.0	-9.34e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
21	38	0.0	0.0	-1.03e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
21	39	0.0	0.0	-7.60e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	40	0.0	0.0	-8.59e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
21	41	0.0	0.0	-9.34e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
21	42	0.0	0.0	-1.03e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
21	43	0.0	0.0	-7.60e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
21	44	0.0	0.0	-8.59e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
21	45	0.0	0.0	-5.80e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
22	1	1.74	2.62e-05	-1.52e-03	-8.34	0.0	-21.27	3.41	-2.69e-05	-7.20e-06	2.62e-05	-0.32
		-2.56	-5.33e-05	0.0	0.0	295.7	-18.96	-4.93	-2.69e-05	-7.20e-06	-5.33e-05	-2.56
22	2	2.07	5.41e-05	-1.81e-03	-9.99	0.0	-25.35	4.09	-5.62e-05	-1.54e-05	5.41e-05	-0.39
		-3.07	-1.12e-04	0.0	0.0	295.7	-22.58	-5.90	-5.62e-05	-1.54e-05	-1.12e-04	-3.07
22	3	1.91	3.12e-05	-1.67e-03	-9.14	0.0	-23.31	3.72	1.52e-05	4.71e-06	-1.37e-05	-0.32
		-2.82	-1.37e-05	0.0	0.0	295.7	-20.78	-5.42	1.52e-05	4.71e-06	3.12e-05	-2.82
22	4	2.08	1.87e-06	-1.82e-03	-9.97	0.0	-25.35	4.06	0.0	0.0	0.0	-0.35
		-3.08	0.0	0.0	0.0	295.7	-22.59	-5.90	0.0	0.0	1.87e-06	-3.08
22	5	1.74	2.62e-05	-1.52e-03	-8.34	0.0	-21.27	3.41	-2.69e-05	-7.20e-06	2.62e-05	-0.32
		-2.56	-5.33e-05	0.0	0.0	295.7	-18.96	-4.93	-2.69e-05	-7.20e-06	-5.33e-05	-2.56
22	6	1.90	4.01e-05	-1.67e-03	-9.17	0.0	-23.31	3.75	-4.15e-05	-1.13e-05	4.01e-05	-0.35
		-2.82	-8.27e-05	0.0	0.0	295.7	-20.77	-5.42	-4.15e-05	-1.13e-05	-8.27e-05	-2.82
22	7	1.74	2.62e-05	-1.52e-03	-8.34	0.0	-21.27	3.41	-2.69e-05	-7.20e-06	2.62e-05	-0.32
		-2.56	-5.33e-05	0.0	0.0	295.7	-18.96	-4.93	-2.69e-05	-7.20e-06	-5.33e-05	-2.56
22	8	1.90	4.01e-05	-1.67e-03	-9.17	0.0	-23.31	3.75	-4.15e-05	-1.13e-05	4.01e-05	-0.35
		-2.82	-8.27e-05	0.0	0.0	295.7	-20.77	-5.42	-4.15e-05	-1.13e-05	-8.27e-05	-2.82
22	9	1.74	2.62e-05	-1.52e-03	-8.34	0.0	-21.27	3.41	-2.69e-05	-7.20e-06	2.62e-05	-0.32
		-2.56	-5.33e-05	0.0	0.0	295.7	-18.96	-4.93	-2.69e-05	-7.20e-06	-5.33e-05	-2.56
22	10	1.90	4.01e-05	-1.67e-03	-9.17	0.0	-23.31	3.75	-4.15e-05	-1.13e-05	4.01e-05	-0.35
		-2.82	-8.27e-05	0.0	0.0	295.7	-20.77	-5.42	-4.15e-05	-1.13e-05	-8.27e-05	-2.82
22	11	1.74	2.62e-05	-1.52e-03	-8.34	0.0	-21.27	3.41	-2.69e-05	-7.20e-06	2.62e-05	-0.32
		-2.56	-5.33e-05	0.0	0.0	295.7	-18.96	-4.93	-2.69e-05	-7.20e-06	-5.33e-05	-2.56
22	12	1.90	4.01e-05	-1.67e-03	-9.17	0.0	-23.31	3.75	-4.15e-05	-1.13e-05	4.01e-05	-0.35
		-2.82	-8.27e-05	0.0	0.0	295.7	-20.77	-5.42	-4.15e-05	-1.13e-05	-8.27e-05	-2.82
22	13	1.47	8.60e-05	-1.29e-03	-7.15	0.0	-18.22	2.95	-9.00e-05	-2.51e-05	8.60e-05	-0.32
		-2.18	-1.80e-04	0.0	0.0	295.7	-16.24	-4.20	-9.00e-05	-2.51e-05	-1.80e-04	-2.18
22	14	1.54	9.16e-05	-1.35e-03	-7.48	0.0	-19.04	3.08	-9.58e-05	-2.67e-05	9.16e-05	-0.33
		-2.28	-1.92e-04	0.0	0.0	295.7	-16.96	-4.40	-9.58e-05	-2.67e-05	-1.92e-04	-2.28
22	15	1.56	6.61e-05	-1.37e-03	-7.55	0.0	-19.24	3.10	-6.90e-05	-1.91e-05	6.61e-05	-0.32
		-2.31	-1.38e-04	0.0	0.0	295.7	-17.15	-4.45	-6.90e-05	-1.91e-05	-1.38e-04	-2.31
22	16	1.47	8.60e-05	-1.29e-03	-7.15	0.0	-18.22	2.95	-9.00e-05	-2.51e-05	8.60e-05	-0.32



22	17	-2.18	-1.80e-04	0.0	0.0	295.7	-16.24	-4.20	-9.00e-05	-2.51e-05	-1.80e-04	-2.18
		1.47	8.60e-05	-1.29e-03	-7.15	0.0	-18.22	2.95	-9.00e-05	-2.51e-05	8.60e-05	-0.32
		-2.18	-1.80e-04	0.0	0.0	295.7	-16.24	-4.20	-9.00e-05	-2.51e-05	-1.80e-04	-2.18
22	18	1.47	8.60e-05	-1.29e-03	-7.15	0.0	-18.22	2.95	-9.00e-05	-2.51e-05	8.60e-05	-0.32
		-2.18	-1.80e-04	0.0	0.0	295.7	-16.24	-4.20	-9.00e-05	-2.51e-05	-1.80e-04	-2.18
22	19	1.47	8.60e-05	-1.29e-03	-7.15	0.0	-18.22	2.95	-9.00e-05	-2.51e-05	8.60e-05	-0.32
		-2.18	-1.80e-04	0.0	0.0	295.7	-16.24	-4.20	-9.00e-05	-2.51e-05	-1.80e-04	-2.18
22	20	1.47	8.60e-05	-1.29e-03	-7.15	0.0	-18.22	2.95	-9.00e-05	-2.51e-05	8.60e-05	-0.32
		-2.18	-1.80e-04	0.0	0.0	295.7	-16.24	-4.20	-9.00e-05	-2.51e-05	-1.80e-04	-2.18
22	21	2.31	2.21e-05	-2.02e-03	-11.09	0.0	-28.27	4.53	-2.23e-05	-5.79e-06	2.21e-05	-0.41
		-3.41	-4.40e-05	0.0	0.0	295.7	-25.20	-6.56	-2.23e-05	-5.79e-06	-4.40e-05	-3.41
22	22	2.82	6.39e-05	-2.46e-03	-13.56	0.0	-34.39	5.55	-6.62e-05	-1.81e-05	6.39e-05	-0.53
		-4.17	-1.32e-04	0.0	0.0	295.7	-30.63	-8.01	-6.62e-05	-1.81e-05	-1.32e-04	-4.17
22	23	1.87	1.01e-05	-1.63e-03	-8.94	0.0	-22.80	3.65	4.67e-06	1.73e-06	-3.74e-06	-0.32
		-2.76	-3.74e-06	0.0	0.0	295.7	-20.32	-5.30	4.67e-06	1.73e-06	1.01e-05	-2.76
22	24	2.37	3.81e-05	-2.07e-03	-11.41	0.0	-28.92	4.66	-3.92e-05	-1.05e-05	3.81e-05	-0.43
		-3.51	-7.79e-05	0.0	0.0	295.7	-25.76	-6.75	-3.92e-05	-1.05e-05	-7.79e-05	-3.51
22	25	2.57	8.28e-05	-2.25e-03	-12.28	0.0	-31.32	5.00	4.08e-05	1.21e-05	-3.78e-05	-0.41
		-3.80	-3.78e-05	0.0	0.0	295.7	-27.92	-7.29	4.08e-05	1.21e-05	8.28e-05	-3.80
22	26	2.83	3.88e-05	-2.47e-03	-13.52	0.0	-34.39	5.51	1.88e-05	5.94e-06	-1.68e-05	-0.47
		-4.18	-1.68e-05	0.0	0.0	295.7	-30.64	-8.01	1.88e-05	5.94e-06	3.88e-05	-4.18
22	27	2.13	1.37e-04	-1.86e-03	-10.14	0.0	-25.86	4.11	6.78e-05	1.96e-05	-6.36e-05	-0.32
		-3.15	-6.36e-05	0.0	0.0	295.7	-23.05	-6.03	6.78e-05	1.96e-05	1.37e-04	-3.15
22	28	2.39	9.29e-05	-2.08e-03	-11.38	0.0	-28.92	4.62	4.58e-05	1.35e-05	-4.26e-05	-0.37
		-3.53	-4.26e-05	0.0	0.0	295.7	-25.76	-6.75	4.58e-05	1.35e-05	9.29e-05	-3.53
22	29	2.31	2.21e-05	-2.02e-03	-11.09	0.0	-28.27	4.53	-2.23e-05	-5.79e-06	2.21e-05	-0.41
		-3.41	-4.40e-05	0.0	0.0	295.7	-25.20	-6.56	-2.23e-05	-5.79e-06	-4.40e-05	-3.41
22	30	2.56	4.30e-05	-2.24e-03	-12.32	0.0	-31.33	5.04	-4.43e-05	-1.19e-05	4.30e-05	-0.47
		-3.79	-8.80e-05	0.0	0.0	295.7	-27.91	-7.28	-4.43e-05	-1.19e-05	-8.80e-05	-3.79
22	31	1.87	1.01e-05	-1.63e-03	-8.94	0.0	-22.80	3.65	4.67e-06	1.73e-06	-3.74e-06	-0.32
		-2.76	-3.74e-06	0.0	0.0	295.7	-20.32	-5.30	4.67e-06	1.73e-06	1.01e-05	-2.76
22	32	2.12	1.72e-05	-1.85e-03	-10.18	0.0	-25.86	4.16	-1.73e-05	-4.41e-06	1.72e-05	-0.37
		-3.14	-3.39e-05	0.0	0.0	295.7	-23.04	-6.02	-1.73e-05	-4.41e-06	-3.39e-05	-3.14
22	33	2.31	2.21e-05	-2.02e-03	-11.09	0.0	-28.27	4.53	-2.23e-05	-5.79e-06	2.21e-05	-0.41
		-3.41	-4.40e-05	0.0	0.0	295.7	-25.20	-6.56	-2.23e-05	-5.79e-06	-4.40e-05	-3.41
22	34	2.56	4.30e-05	-2.24e-03	-12.32	0.0	-31.33	5.04	-4.43e-05	-1.19e-05	4.30e-05	-0.47
		-3.79	-8.80e-05	0.0	0.0	295.7	-27.91	-7.28	-4.43e-05	-1.19e-05	-8.80e-05	-3.79
22	35	1.87	1.01e-05	-1.63e-03	-8.94	0.0	-22.80	3.65	4.67e-06	1.73e-06	-3.74e-06	-0.32
		-2.76	-3.74e-06	0.0	0.0	295.7	-20.32	-5.30	4.67e-06	1.73e-06	1.01e-05	-2.76
22	36	2.12	1.72e-05	-1.85e-03	-10.18	0.0	-25.86	4.16	-1.73e-05	-4.41e-06	1.72e-05	-0.37
		-3.14	-3.39e-05	0.0	0.0	295.7	-23.04	-6.02	-1.73e-05	-4.41e-06	-3.39e-05	-3.14
22	37	2.31	2.21e-05	-2.02e-03	-11.09	0.0	-28.27	4.53	-2.23e-05	-5.79e-06	2.21e-05	-0.41
		-3.41	-4.40e-05	0.0	0.0	295.7	-25.20	-6.56	-2.23e-05	-5.79e-06	-4.40e-05	-3.41
22	38	2.56	4.30e-05	-2.24e-03	-12.32	0.0	-31.33	5.04	-4.43e-05	-1.19e-05	4.30e-05	-0.47
		-3.79	-8.80e-05	0.0	0.0	295.7	-27.91	-7.28	-4.43e-05	-1.19e-05	-8.80e-05	-3.79
22	39	1.87	1.01e-05	-1.63e-03	-8.94	0.0	-22.80	3.65	4.67e-06	1.73e-06	-3.74e-06	-0.32
		-2.76	-3.74e-06	0.0	0.0	295.7	-20.32	-5.30	4.67e-06	1.73e-06	1.01e-05	-2.76
22	40	2.12	1.72e-05	-1.85e-03	-10.18	0.0	-25.86	4.16	-1.73e-05	-4.41e-06	1.72e-05	-0.37
		-3.14	-3.39e-05	0.0	0.0	295.7	-23.04	-6.02	-1.73e-05	-4.41e-06	-3.39e-05	-3.14
22	41	2.31	2.21e-05	-2.02e-03	-11.09	0.0	-28.27	4.53	-2.23e-05	-5.79e-06	2.21e-05	-0.41
		-3.41	-4.40e-05	0.0	0.0	295.7	-25.20	-6.56	-2.23e-05	-5.79e-06	-4.40e-05	-3.41
22	42	2.56	4.30e-05	-2.24e-03	-12.32	0.0	-31.33	5.04	-4.43e-05	-1.19e-05	4.30e-05	-0.47
		-3.79	-8.80e-05	0.0	0.0	295.7	-27.91	-7.28	-4.43e-05	-1.19e-05	-8.80e-05	-3.79
22	43	1.87	1.01e-05	-1.63e-03	-8.94	0.0	-22.80	3.65	4.67e-06	1.73e-06	-3.74e-06	-0.32
		-2.76	-3.74e-06	0.0	0.0	295.7	-20.32	-5.30	4.67e-06	1.73e-06	1.01e-05	-2.76
22	44	2.12	1.72e-05	-1.85e-03	-10.18	0.0	-25.86	4.16	-1.73e-05	-4.41e-06	1.72e-05	-0.37
		-3.14	-3.39e-05	0.0	0.0	295.7	-23.04	-6.02	-1.73e-05	-4.41e-06	-3.39e-05	-3.14
22	45	1.47	8.60e-05	-1.29e-03	-7.15	0.0	-18.22	2.95	-9.00e-05	-2.51e-05	8.60e-05	-0.32
		-2.18	-1.80e-04	0.0	0.0	295.7	-16.24	-4.20	-9.00e-05	-2.51e-05	-1.80e-04	-2.18
23	1	1.73	2.08e-05	-8.15e-04	-8.34	0.0	-18.96	4.93	2.12e-05	7.32e-06	-4.20e-05	-2.57
		-2.57	-4.20e-05	0.0	0.0	295.7	-21.28	-3.41	2.12e-05	7.32e-06	2.08e-05	-0.33
23	2	2.06	4.74e-05	-9.74e-04	-9.99	0.0	-22.59	5.90	4.92e-05	1.55e-05	-9.79e-05	-3.07
		-3.07	-9.79e-05	0.0	0.0	295.7	-25.36	-4.09	4.92e-05	1.55e-05	4.74e-05	-0.41
23	3	1.90	4.25e-05	-9.01e-04	-9.14	0.0	-20.78	5.42	-2.08e-05	-4.59e-06	4.25e-05	-2.83
		-2.83	-1.91e-05	0.0	0.0	295.7	-23.31	-3.73	-2.08e-05	-4.59e-06	-1.91e-05	-0.33
23	4	2.07	1.46e-05	-9.80e-04	-9.97	0.0	-22.59	5.90	-6.87e-06	0.0	1.46e-05	-3.08
		-3.08	-5.77e-06	0.0	0.0	295.7	-25.35	-4.07	-6.87e-06	0.0	-5.77e-06	-0.37
23	5	1.73	2.08e-05	-8.15e-04	-8.34	0.0	-18.96	4.93	2.12e-05	7.32e-06	-4.20e-05	-2.57
		-2.57	-4.20e-05	0.0	0.0	295.7	-21.28	-3.41	2.12e-05	7.32e-06	2.08e-05	-0.33
23	6	1.90	3.41e-05	-8.95e-04	-9.17	0.0	-20.77	5.41	3.52e-05	1.14e-05	-7.00e-05	-2.82
		-2.82	-7.00e-05	0.0	0.0	295.7	-23.32	-3.75	3.52e-05	1.14e-05	3.41e-05	-0.37
23	7	1.73	2.08e-05	-8.15e-04	-8.34	0.0	-18.96	4.93	2.12e-05	7.32e-06	-4.20e-05	-2.57
		-2.57	-4.20e-05	0.0	0.0	295.7	-21.28	-3.41	2.12e-05	7.32e-06	2.08e-05	-0.33
23	8	1.90	3.41e-05	-8.95e-04	-9.17	0.0	-20.77	5.41	3.52e-05	1.14e-05	-7.00e-05	-2.82
		-2.82	-7.00e-05	0.0	0.0	295.7	-23.32	-3.75	3.52e-05	1.14e-05	3.41e-05	-0.37
23	9	1.73	2.08e-05	-8.15e-04	-8.34	0.0	-18.96	4.93	2.12e-05	7.32e-06	-4.20e-05	-2.57
		-2.57	-4.20e-05	0.0	0.0	295.7	-21.28	-3.41	2.12e-05	7.32e-06	2.08e-05	-0.33



23	10	1.90	3.41e-05	-8.95e-04	-9.17	0.0	-20.77	5.41	3.52e-05	1.14e-05	-7.00e-05	-2.82
		-2.82	-7.00e-05	0.0	0.0	295.7	-23.32	-3.75	3.52e-05	1.14e-05	3.41e-05	-0.37
23	11	1.73	2.08e-05	-8.15e-04	-8.34	0.0	-18.96	4.93	2.12e-05	7.32e-06	-4.20e-05	-2.57
		-2.57	-4.20e-05	0.0	0.0	295.7	-21.28	-3.41	2.12e-05	7.32e-06	2.08e-05	-0.33
23	12	1.90	3.41e-05	-8.95e-04	-9.17	0.0	-20.77	5.41	3.52e-05	1.14e-05	-7.00e-05	-2.82
		-2.82	-7.00e-05	0.0	0.0	295.7	-23.32	-3.75	3.52e-05	1.14e-05	3.41e-05	-0.37
23	13	1.46	8.06e-05	-6.87e-04	-7.15	0.0	-16.24	4.20	8.43e-05	2.52e-05	-1.69e-04	-2.18
		-2.18	-1.69e-04	0.0	0.0	295.7	-18.22	-2.95	8.43e-05	2.52e-05	8.06e-05	-0.33
23	14	1.53	8.59e-05	-7.19e-04	-7.48	0.0	-16.96	4.39	8.99e-05	2.68e-05	-1.80e-04	-2.28
		-2.28	-1.80e-04	0.0	0.0	295.7	-19.04	-3.08	8.99e-05	2.68e-05	8.59e-05	-0.34
23	15	1.55	6.07e-05	-7.30e-04	-7.55	0.0	-17.15	4.44	6.33e-05	1.92e-05	-1.27e-04	-2.31
		-2.31	-1.27e-04	0.0	0.0	295.7	-19.24	-3.10	6.33e-05	1.92e-05	6.07e-05	-0.33
23	16	1.46	8.06e-05	-6.87e-04	-7.15	0.0	-16.24	4.20	8.43e-05	2.52e-05	-1.69e-04	-2.18
		-2.18	-1.69e-04	0.0	0.0	295.7	-18.22	-2.95	8.43e-05	2.52e-05	8.06e-05	-0.33
23	17	1.46	8.06e-05	-6.87e-04	-7.15	0.0	-16.24	4.20	8.43e-05	2.52e-05	-1.69e-04	-2.18
		-2.18	-1.69e-04	0.0	0.0	295.7	-18.22	-2.95	8.43e-05	2.52e-05	8.06e-05	-0.33
23	18	1.46	8.06e-05	-6.87e-04	-7.15	0.0	-16.24	4.20	8.43e-05	2.52e-05	-1.69e-04	-2.18
		-2.18	-1.69e-04	0.0	0.0	295.7	-18.22	-2.95	8.43e-05	2.52e-05	8.06e-05	-0.33
23	19	1.46	8.06e-05	-6.87e-04	-7.15	0.0	-16.24	4.20	8.43e-05	2.52e-05	-1.69e-04	-2.18
		-2.18	-1.69e-04	0.0	0.0	295.7	-18.22	-2.95	8.43e-05	2.52e-05	8.06e-05	-0.33
23	20	1.46	8.06e-05	-6.87e-04	-7.15	0.0	-16.24	4.20	8.43e-05	2.52e-05	-1.69e-04	-2.18
		-2.18	-1.69e-04	0.0	0.0	295.7	-18.22	-2.95	8.43e-05	2.52e-05	8.06e-05	-0.33
23	21	2.30	1.51e-05	-1.09e-03	-11.09	0.0	-25.20	6.55	1.50e-05	5.95e-06	-2.93e-05	-3.42
		-3.42	-2.93e-05	0.0	0.0	295.7	-28.27	-4.53	1.50e-05	5.95e-06	1.51e-05	-0.43
23	22	2.80	5.50e-05	-1.32e-03	-13.56	0.0	-30.63	8.01	5.69e-05	1.83e-05	-1.13e-04	-4.17
		-4.17	-1.13e-04	0.0	0.0	295.7	-34.39	-5.55	5.69e-05	1.83e-05	5.50e-05	-0.54
23	23	1.86	2.14e-05	-8.79e-04	-8.94	0.0	-20.32	5.29	-1.03e-05	-1.61e-06	2.14e-05	-2.76
		-2.76	-9.11e-06	0.0	0.0	295.7	-22.80	-3.65	-1.03e-05	-1.61e-06	-9.11e-06	-0.33
23	24	2.36	3.08e-05	-1.12e-03	-11.41	0.0	-25.76	6.75	3.16e-05	1.07e-05	-6.25e-05	-3.52
		-3.52	-6.25e-05	0.0	0.0	295.7	-28.92	-4.67	3.16e-05	1.07e-05	3.08e-05	-0.45
23	25	2.56	9.75e-05	-1.21e-03	-12.28	0.0	-27.92	7.28	-4.81e-05	-1.19e-05	9.75e-05	-3.81
		-3.81	-4.47e-05	0.0	0.0	295.7	-31.32	-5.00	-4.81e-05	-1.19e-05	-4.47e-05	-0.43
23	26	2.82	5.56e-05	-1.33e-03	-13.52	0.0	-30.64	8.01	-2.72e-05	-5.75e-06	5.56e-05	-4.19
		-4.19	-2.48e-05	0.0	0.0	295.7	-34.38	-5.51	-2.72e-05	-5.75e-06	-2.48e-05	-0.49
23	27	2.13	1.48e-04	-1.01e-03	-10.14	0.0	-23.05	6.03	-7.34e-05	-1.95e-05	1.48e-04	-3.15
		-3.15	-6.89e-05	0.0	0.0	295.7	-25.86	-4.11	-7.34e-05	-1.95e-05	-6.89e-05	-0.33
23	28	2.38	1.06e-04	-1.13e-03	-11.38	0.0	-25.77	6.75	-5.25e-05	-1.33e-05	1.06e-04	-3.53
		-3.53	-4.90e-05	0.0	0.0	295.7	-28.92	-4.62	-5.25e-05	-1.33e-05	-4.90e-05	-0.39
23	29	2.30	1.51e-05	-1.09e-03	-11.09	0.0	-25.20	6.55	1.50e-05	5.95e-06	-2.93e-05	-3.42
		-3.42	-2.93e-05	0.0	0.0	295.7	-28.27	-4.53	1.50e-05	5.95e-06	1.51e-05	-0.43
23	30	2.55	3.50e-05	-1.20e-03	-12.32	0.0	-27.91	7.28	3.59e-05	1.21e-05	-7.12e-05	-3.80
		-3.80	-7.12e-05	0.0	0.0	295.7	-31.33	-5.04	3.59e-05	1.21e-05	3.50e-05	-0.49
23	31	1.86	2.14e-05	-8.79e-04	-8.94	0.0	-20.32	5.29	-1.03e-05	-1.61e-06	2.14e-05	-2.76
		-2.76	-9.11e-06	0.0	0.0	295.7	-22.80	-3.65	-1.03e-05	-1.61e-06	-9.11e-06	-0.33
23	32	2.11	1.09e-05	-9.99e-04	-10.18	0.0	-23.04	6.02	1.06e-05	4.55e-06	-2.06e-05	-3.14
		-3.14	-2.06e-05	0.0	0.0	295.7	-25.86	-4.16	1.06e-05	4.55e-06	1.09e-05	-0.39
23	33	2.30	1.51e-05	-1.09e-03	-11.09	0.0	-25.20	6.55	1.50e-05	5.95e-06	-2.93e-05	-3.42
		-3.42	-2.93e-05	0.0	0.0	295.7	-28.27	-4.53	1.50e-05	5.95e-06	1.51e-05	-0.43
23	34	2.55	3.50e-05	-1.20e-03	-12.32	0.0	-27.91	7.28	3.59e-05	1.21e-05	-7.12e-05	-3.80
		-3.80	-7.12e-05	0.0	0.0	295.7	-31.33	-5.04	3.59e-05	1.21e-05	3.50e-05	-0.49
23	35	1.86	2.14e-05	-8.79e-04	-8.94	0.0	-20.32	5.29	-1.03e-05	-1.61e-06	2.14e-05	-2.76
		-2.76	-9.11e-06	0.0	0.0	295.7	-22.80	-3.65	-1.03e-05	-1.61e-06	-9.11e-06	-0.33
23	36	2.11	1.09e-05	-9.99e-04	-10.18	0.0	-23.04	6.02	1.06e-05	4.55e-06	-2.06e-05	-3.14
		-3.14	-2.06e-05	0.0	0.0	295.7	-25.86	-4.16	1.06e-05	4.55e-06	1.09e-05	-0.39
23	37	2.30	1.51e-05	-1.09e-03	-11.09	0.0	-25.20	6.55	1.50e-05	5.95e-06	-2.93e-05	-3.42
		-3.42	-2.93e-05	0.0	0.0	295.7	-28.27	-4.53	1.50e-05	5.95e-06	1.51e-05	-0.43
23	38	2.55	3.50e-05	-1.20e-03	-12.32	0.0	-27.91	7.28	3.59e-05	1.21e-05	-7.12e-05	-3.80
		-3.80	-7.12e-05	0.0	0.0	295.7	-31.33	-5.04	3.59e-05	1.21e-05	3.50e-05	-0.49
23	39	1.86	2.14e-05	-8.79e-04	-8.94	0.0	-20.32	5.29	-1.03e-05	-1.61e-06	2.14e-05	-2.76
		-2.76	-9.11e-06	0.0	0.0	295.7	-22.80	-3.65	-1.03e-05	-1.61e-06	-9.11e-06	-0.33
23	40	2.11	1.09e-05	-9.99e-04	-10.18	0.0	-23.04	6.02	1.06e-05	4.55e-06	-2.06e-05	-3.14
		-3.14	-2.06e-05	0.0	0.0	295.7	-25.86	-4.16	1.06e-05	4.55e-06	1.09e-05	-0.39
23	41	2.30	1.51e-05	-1.09e-03	-11.09	0.0	-25.20	6.55	1.50e-05	5.95e-06	-2.93e-05	-3.42
		-3.42	-2.93e-05	0.0	0.0	295.7	-28.27	-4.53	1.50e-05	5.95e-06	1.51e-05	-0.43
23	42	2.55	3.50e-05	-1.20e-03	-12.32	0.0	-27.91	7.28	3.59e-05	1.21e-05	-7.12e-05	-3.80
		-3.80	-7.12e-05	0.0	0.0	295.7	-31.33	-5.04	3.59e-05	1.21e-05	3.50e-05	-0.49
23	43	1.86	2.14e-05	-8.79e-04	-8.94	0.0	-20.32	5.29	-1.03e-05	-1.61e-06	2.14e-05	-2.76
		-2.76	-9.11e-06	0.0	0.0	295.7	-22.80	-3.65	-1.03e-05	-1.61e-06	-9.11e-06	-0.33
23	44	2.11	1.09e-05	-9.99e-04	-10.18	0.0	-23.04	6.02	1.06e-05	4.55e-06	-2.06e-05	-3.14
		-3.14	-2.06e-05	0.0	0.0	295.7	-25.86	-4.16	1.06e-05	4.55e-06	1.09e-05	-0.39
23	45	1.46	8.06e-05	-6.87e-04	-7.15	0.0	-16.24	4.20	8.43e-05	2.52e-05	-1.69e-04	-2.18
		-2.18	-1.69e-04	0.0	0.0	295.7	-18.22	-2.95	8.43e-05	2.52e-05	8.06e-05	-0.33
24	1	0.0	0.0	6.95e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	2	0.0	0.0	8.25e-04	-1.55	0.0	0.19	1.55	0.0	0.0	0.0	-0.39
		-0.39	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	3	0.0	0.0	7.75e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32



24	4	-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	8.40e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	5	0.0	0.0	6.95e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	6	0.0	0.0	7.60e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	7	0.0	0.0	6.95e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	8	0.0	0.0	7.60e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	9	0.0	0.0	6.95e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	10	0.0	0.0	7.60e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	11	0.0	0.0	6.95e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	12	0.0	0.0	7.60e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	13	0.0	0.0	5.75e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	14	0.0	0.0	6.01e-04	-1.31	0.0	0.16	1.31	0.0	0.0	0.0	-0.33
		-0.33	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	15	0.0	0.0	6.15e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	16	0.0	0.0	5.75e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	17	0.0	0.0	5.75e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	18	0.0	0.0	5.75e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	19	0.0	0.0	5.75e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	20	0.0	0.0	5.75e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	21	0.0	0.0	9.27e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	22	0.0	0.0	1.12e-03	-2.08	0.0	0.25	2.08	0.0	0.0	0.0	-0.52
		-0.52	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	23	0.0	0.0	7.55e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	24	0.0	0.0	9.50e-04	-1.70	0.0	0.20	1.70	0.0	0.0	0.0	-0.43
		-0.43	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	25	0.0	0.0	1.05e-03	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	26	0.0	0.0	1.15e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	27	0.0	0.0	8.75e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	28	0.0	0.0	9.73e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	29	0.0	0.0	9.27e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	30	0.0	0.0	1.02e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	31	0.0	0.0	7.55e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	32	0.0	0.0	8.53e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	33	0.0	0.0	9.27e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	34	0.0	0.0	1.02e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	35	0.0	0.0	7.55e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	36	0.0	0.0	8.53e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	37	0.0	0.0	9.27e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	38	0.0	0.0	1.02e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	39	0.0	0.0	7.55e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	40	0.0	0.0	8.53e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	41	0.0	0.0	9.27e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0



24	42	0.0	0.0	1.02e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	43	0.0	0.0	7.55e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	44	0.0	0.0	8.53e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
24	45	0.0	0.0	5.75e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
25	1	0.0	0.0	-7.05e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	2	0.0	0.0	-8.37e-04	-1.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.39	0.0	0.0	0.0	50.4	0.19	-1.55	0.0	0.0	0.0	-0.39
25	3	0.0	0.0	-7.84e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	4	0.0	0.0	-8.51e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
25	5	0.0	0.0	-7.05e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	6	0.0	0.0	-7.71e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
25	7	0.0	0.0	-7.05e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	8	0.0	0.0	-7.71e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
25	9	0.0	0.0	-7.05e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	10	0.0	0.0	-7.71e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
25	11	0.0	0.0	-7.05e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	12	0.0	0.0	-7.71e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
25	13	0.0	0.0	-5.85e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	14	0.0	0.0	-6.11e-04	-1.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.33	0.0	0.0	0.0	50.4	0.16	-1.31	0.0	0.0	0.0	-0.33
25	15	0.0	0.0	-6.25e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	16	0.0	0.0	-5.85e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	17	0.0	0.0	-5.85e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	18	0.0	0.0	-5.85e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	19	0.0	0.0	-5.85e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	20	0.0	0.0	-5.85e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	21	0.0	0.0	-9.40e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
25	22	0.0	0.0	-1.14e-03	-2.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.52	0.0	0.0	0.0	50.4	0.25	-2.08	0.0	0.0	0.0	-0.52
25	23	0.0	0.0	-7.64e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	24	0.0	0.0	-9.64e-04	-1.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.43	0.0	0.0	0.0	50.4	0.20	-1.70	0.0	0.0	0.0	-0.43
25	25	0.0	0.0	-1.06e-03	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
25	26	0.0	0.0	-1.16e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
25	27	0.0	0.0	-8.84e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	28	0.0	0.0	-9.84e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
25	29	0.0	0.0	-9.40e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
25	30	0.0	0.0	-1.04e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
25	31	0.0	0.0	-7.64e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	32	0.0	0.0	-8.64e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
25	33	0.0	0.0	-9.40e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
25	34	0.0	0.0	-1.04e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
25	35	0.0	0.0	-7.64e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0



25	36	-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
		0.0	0.0	-8.64e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
25	37	0.0	0.0	-9.40e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
25	38	0.0	0.0	-1.04e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
25	39	0.0	0.0	-7.64e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	40	0.0	0.0	-8.64e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
25	41	0.0	0.0	-9.40e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
25	42	0.0	0.0	-1.04e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
25	43	0.0	0.0	-7.64e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
25	44	0.0	0.0	-8.64e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
25	45	0.0	0.0	-5.85e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
26	1	1.75	2.34e-03	-1.53e-03	-8.34	0.0	-21.25	3.42	-2.46e-03	-6.97e-04	2.34e-03	-0.32
		-2.54	-4.93e-03	3.24e-06	0.0	295.7	-18.94	-4.93	-2.46e-03	-6.97e-04	-4.93e-03	-2.54
26	2	2.09	2.86e-03	-1.82e-03	-9.99	0.0	-25.31	4.10	-3.01e-03	-8.54e-04	2.86e-03	-0.39
		-3.04	-6.04e-03	3.96e-06	0.0	295.7	-22.54	-5.89	-3.01e-03	-8.54e-04	-6.04e-03	-3.04
26	3	1.92	2.42e-03	-1.68e-03	-9.14	0.0	-23.31	3.73	-2.54e-03	-7.21e-04	2.42e-03	-0.32
		-2.80	-5.10e-03	3.35e-06	0.0	295.7	-20.78	-5.41	-2.54e-03	-7.21e-04	-5.10e-03	-2.80
26	4	2.09	2.68e-03	-1.83e-03	-9.97	0.0	-25.34	4.07	-2.82e-03	-7.99e-04	2.68e-03	-0.35
		-3.05	-5.66e-03	3.71e-06	0.0	295.7	-22.58	-5.90	-2.82e-03	-7.99e-04	-5.66e-03	-3.05
26	5	1.75	2.34e-03	-1.53e-03	-8.34	0.0	-21.25	3.42	-2.46e-03	-6.97e-04	2.34e-03	-0.32
		-2.54	-4.93e-03	3.24e-06	0.0	295.7	-18.94	-4.93	-2.46e-03	-6.97e-04	-4.93e-03	-2.54
26	6	1.92	2.60e-03	-1.68e-03	-9.17	0.0	-23.28	3.76	-2.73e-03	-7.75e-04	2.60e-03	-0.35
		-2.79	-5.49e-03	3.60e-06	0.0	295.7	-20.74	-5.41	-2.73e-03	-7.75e-04	-5.49e-03	-2.79
26	7	1.75	2.34e-03	-1.53e-03	-8.34	0.0	-21.25	3.42	-2.46e-03	-6.97e-04	2.34e-03	-0.32
		-2.54	-4.93e-03	3.24e-06	0.0	295.7	-18.94	-4.93	-2.46e-03	-6.97e-04	-4.93e-03	-2.54
26	8	1.92	2.60e-03	-1.68e-03	-9.17	0.0	-23.28	3.76	-2.73e-03	-7.75e-04	2.60e-03	-0.35
		-2.79	-5.49e-03	3.60e-06	0.0	295.7	-20.74	-5.41	-2.73e-03	-7.75e-04	-5.49e-03	-2.79
26	9	1.75	2.34e-03	-1.53e-03	-8.34	0.0	-21.25	3.42	-2.46e-03	-6.97e-04	2.34e-03	-0.32
		-2.54	-4.93e-03	3.24e-06	0.0	295.7	-18.94	-4.93	-2.46e-03	-6.97e-04	-4.93e-03	-2.54
26	10	1.92	2.60e-03	-1.68e-03	-9.17	0.0	-23.28	3.76	-2.73e-03	-7.75e-04	2.60e-03	-0.35
		-2.79	-5.49e-03	3.60e-06	0.0	295.7	-20.74	-5.41	-2.73e-03	-7.75e-04	-5.49e-03	-2.79
26	11	1.75	2.34e-03	-1.53e-03	-8.34	0.0	-21.25	3.42	-2.46e-03	-6.97e-04	2.34e-03	-0.32
		-2.54	-4.93e-03	3.24e-06	0.0	295.7	-18.94	-4.93	-2.46e-03	-6.97e-04	-4.93e-03	-2.54
26	12	1.92	2.60e-03	-1.68e-03	-9.17	0.0	-23.28	3.76	-2.73e-03	-7.75e-04	2.60e-03	-0.35
		-2.79	-5.49e-03	3.60e-06	0.0	295.7	-20.74	-5.41	-2.73e-03	-7.75e-04	-5.49e-03	-2.79
26	13	1.48	2.22e-03	-1.30e-03	-7.15	0.0	-18.16	2.95	-2.33e-03	-6.61e-04	2.22e-03	-0.31
		-2.16	-4.68e-03	3.07e-06	0.0	295.7	-16.17	-4.20	-2.33e-03	-6.61e-04	-4.68e-03	-2.16
26	14	1.55	2.32e-03	-1.36e-03	-7.48	0.0	-18.97	3.09	-2.44e-03	-6.92e-04	2.32e-03	-0.33
		-2.26	-4.90e-03	3.22e-06	0.0	295.7	-16.90	-4.39	-2.44e-03	-6.92e-04	-4.90e-03	-2.26
26	15	1.57	2.26e-03	-1.38e-03	-7.55	0.0	-19.19	3.11	-2.37e-03	-6.73e-04	2.26e-03	-0.31
		-2.29	-4.76e-03	3.13e-06	0.0	295.7	-17.10	-4.44	-2.37e-03	-6.73e-04	-4.76e-03	-2.29
26	16	1.48	2.22e-03	-1.30e-03	-7.15	0.0	-18.16	2.95	-2.33e-03	-6.61e-04	2.22e-03	-0.31
		-2.16	-4.68e-03	3.07e-06	0.0	295.7	-16.17	-4.20	-2.33e-03	-6.61e-04	-4.68e-03	-2.16
26	17	1.48	2.22e-03	-1.30e-03	-7.15	0.0	-18.16	2.95	-2.33e-03	-6.61e-04	2.22e-03	-0.31
		-2.16	-4.68e-03	3.07e-06	0.0	295.7	-16.17	-4.20	-2.33e-03	-6.61e-04	-4.68e-03	-2.16
26	18	1.48	2.22e-03	-1.30e-03	-7.15	0.0	-18.16	2.95	-2.33e-03	-6.61e-04	2.22e-03	-0.31
		-2.16	-4.68e-03	3.07e-06	0.0	295.7	-16.17	-4.20	-2.33e-03	-6.61e-04	-4.68e-03	-2.16
26	19	1.48	2.22e-03	-1.30e-03	-7.15	0.0	-18.16	2.95	-2.33e-03	-6.61e-04	2.22e-03	-0.31
		-2.16	-4.68e-03	3.07e-06	0.0	295.7	-16.17	-4.20	-2.33e-03	-6.61e-04	-4.68e-03	-2.16
26	20	1.48	2.22e-03	-1.30e-03	-7.15	0.0	-18.16	2.95	-2.33e-03	-6.61e-04	2.22e-03	-0.31
		-2.16	-4.68e-03	3.07e-06	0.0	295.7	-16.17	-4.20	-2.33e-03	-6.61e-04	-4.68e-03	-2.16
26	21	2.32	3.06e-03	-2.03e-03	-11.09	0.0	-28.25	4.54	-3.22e-03	-9.13e-04	3.06e-03	-0.41
		-3.39	-6.46e-03	4.24e-06	0.0	295.7	-25.17	-6.55	-3.22e-03	-9.13e-04	-6.46e-03	-3.39
26	22	2.83	3.85e-03	-2.48e-03	-13.56	0.0	-34.33	5.56	-4.05e-03	-1.15e-03	3.85e-03	-0.52
		-4.13	-8.12e-03	5.33e-06	0.0	295.7	-30.58	-8.00	-4.05e-03	-1.15e-03	-8.12e-03	-4.13
26	23	1.88	2.40e-03	-1.64e-03	-8.94	0.0	-22.80	3.65	-2.52e-03	-7.15e-04	2.40e-03	-0.32
		-2.74	-5.06e-03	3.32e-06	0.0	295.7	-20.32	-5.29	-2.52e-03	-7.15e-04	-5.06e-03	-2.74
26	24	2.39	3.18e-03	-2.09e-03	-11.41	0.0	-28.89	4.67	-3.35e-03	-9.50e-04	3.18e-03	-0.43
		-3.49	-6.72e-03	4.41e-06	0.0	295.7	-25.72	-6.74	-3.35e-03	-9.50e-04	-6.72e-03	-3.49
26	25	2.59	3.18e-03	-2.26e-03	-12.28	0.0	-31.34	5.01	-3.35e-03	-9.49e-04	3.18e-03	-0.41
		-3.77	-6.72e-03	4.40e-06	0.0	295.7	-27.94	-7.28	-3.35e-03	-9.49e-04	-6.72e-03	-3.77
26	26	2.84	3.58e-03	-2.48e-03	-13.52	0.0	-34.38	5.52	-3.76e-03	-1.07e-03	3.58e-03	-0.47
		-4.15	-7.55e-03	4.95e-06	0.0	295.7	-30.64	-8.00	-3.76e-03	-1.07e-03	-7.55e-03	-4.15
26	27	2.14	2.52e-03	-1.87e-03	-10.14	0.0	-25.89	4.12	-2.65e-03	-7.51e-04	2.52e-03	-0.32
		-3.13	-5.31e-03	3.48e-06	0.0	295.7	-23.08	-6.02	-2.65e-03	-7.51e-04	-5.31e-03	-3.13
26	28	2.40	2.91e-03	-2.09e-03	-11.38	0.0	-28.94	4.63	-3.06e-03	-8.69e-04	2.91e-03	-0.37
		-3.50	-6.14e-03	4.03e-06	0.0	295.7	-25.78	-6.74	-3.06e-03	-8.69e-04	-6.14e-03	-3.50



26	29	2.32	3.06e-03	-2.03e-03	-11.09	0.0	-28.25	4.54	-3.22e-03	-9.13e-04	3.06e-03	-0.41
		-3.39	-6.46e-03	4.24e-06	0.0	295.7	-25.17	-6.55	-3.22e-03	-9.13e-04	-6.46e-03	-3.39
26	30	2.58	3.46e-03	-2.25e-03	-12.32	0.0	-31.29	5.05	-3.63e-03	-1.03e-03	3.46e-03	-0.47
		-3.76	-7.29e-03	4.79e-06	0.0	295.7	-27.87	-7.27	-3.63e-03	-1.03e-03	-7.29e-03	-3.76
26	31	1.88	2.40e-03	-1.64e-03	-8.94	0.0	-22.80	3.65	-2.52e-03	-7.15e-04	2.40e-03	-0.32
		-2.74	-5.06e-03	3.32e-06	0.0	295.7	-20.32	-5.29	-2.52e-03	-7.15e-04	-5.06e-03	-2.74
26	32	2.13	2.79e-03	-1.86e-03	-10.18	0.0	-25.84	4.16	-2.94e-03	-8.32e-04	2.79e-03	-0.37
		-3.11	-5.89e-03	3.86e-06	0.0	295.7	-23.02	-6.02	-2.94e-03	-8.32e-04	-5.89e-03	-3.11
26	33	2.32	3.06e-03	-2.03e-03	-11.09	0.0	-28.25	4.54	-3.22e-03	-9.13e-04	3.06e-03	-0.41
		-3.39	-6.46e-03	4.24e-06	0.0	295.7	-25.17	-6.55	-3.22e-03	-9.13e-04	-6.46e-03	-3.39
26	34	2.58	3.46e-03	-2.25e-03	-12.32	0.0	-31.29	5.05	-3.63e-03	-1.03e-03	3.46e-03	-0.47
		-3.76	-7.29e-03	4.79e-06	0.0	295.7	-27.87	-7.27	-3.63e-03	-1.03e-03	-7.29e-03	-3.76
26	35	1.88	2.40e-03	-1.64e-03	-8.94	0.0	-22.80	3.65	-2.52e-03	-7.15e-04	2.40e-03	-0.32
		-2.74	-5.06e-03	3.32e-06	0.0	295.7	-20.32	-5.29	-2.52e-03	-7.15e-04	-5.06e-03	-2.74
26	36	2.13	2.79e-03	-1.86e-03	-10.18	0.0	-25.84	4.16	-2.94e-03	-8.32e-04	2.79e-03	-0.37
		-3.11	-5.89e-03	3.86e-06	0.0	295.7	-23.02	-6.02	-2.94e-03	-8.32e-04	-5.89e-03	-3.11
26	37	2.32	3.06e-03	-2.03e-03	-11.09	0.0	-28.25	4.54	-3.22e-03	-9.13e-04	3.06e-03	-0.41
		-3.39	-6.46e-03	4.24e-06	0.0	295.7	-25.17	-6.55	-3.22e-03	-9.13e-04	-6.46e-03	-3.39
26	38	2.58	3.46e-03	-2.25e-03	-12.32	0.0	-31.29	5.05	-3.63e-03	-1.03e-03	3.46e-03	-0.47
		-3.76	-7.29e-03	4.79e-06	0.0	295.7	-27.87	-7.27	-3.63e-03	-1.03e-03	-7.29e-03	-3.76
26	39	1.88	2.40e-03	-1.64e-03	-8.94	0.0	-22.80	3.65	-2.52e-03	-7.15e-04	2.40e-03	-0.32
		-2.74	-5.06e-03	3.32e-06	0.0	295.7	-20.32	-5.29	-2.52e-03	-7.15e-04	-5.06e-03	-2.74
26	40	2.13	2.79e-03	-1.86e-03	-10.18	0.0	-25.84	4.16	-2.94e-03	-8.32e-04	2.79e-03	-0.37
		-3.11	-5.89e-03	3.86e-06	0.0	295.7	-23.02	-6.02	-2.94e-03	-8.32e-04	-5.89e-03	-3.11
26	41	2.32	3.06e-03	-2.03e-03	-11.09	0.0	-28.25	4.54	-3.22e-03	-9.13e-04	3.06e-03	-0.41
		-3.39	-6.46e-03	4.24e-06	0.0	295.7	-25.17	-6.55	-3.22e-03	-9.13e-04	-6.46e-03	-3.39
26	42	2.58	3.46e-03	-2.25e-03	-12.32	0.0	-31.29	5.05	-3.63e-03	-1.03e-03	3.46e-03	-0.47
		-3.76	-7.29e-03	4.79e-06	0.0	295.7	-27.87	-7.27	-3.63e-03	-1.03e-03	-7.29e-03	-3.76
26	43	1.88	2.40e-03	-1.64e-03	-8.94	0.0	-22.80	3.65	-2.52e-03	-7.15e-04	2.40e-03	-0.32
		-2.74	-5.06e-03	3.32e-06	0.0	295.7	-20.32	-5.29	-2.52e-03	-7.15e-04	-5.06e-03	-2.74
26	44	2.13	2.79e-03	-1.86e-03	-10.18	0.0	-25.84	4.16	-2.94e-03	-8.32e-04	2.79e-03	-0.37
		-3.11	-5.89e-03	3.86e-06	0.0	295.7	-23.02	-6.02	-2.94e-03	-8.32e-04	-5.89e-03	-3.11
26	45	1.48	2.22e-03	-1.30e-03	-7.15	0.0	-18.16	2.95	-2.33e-03	-6.61e-04	2.22e-03	-0.31
		-2.16	-4.68e-03	3.07e-06	0.0	295.7	-16.17	-4.20	-2.33e-03	-6.61e-04	-4.68e-03	-2.16
27	1	1.70	2.33e-03	-7.96e-04	-8.34	0.0	-18.94	4.92	2.45e-03	6.97e-04	-4.91e-03	-2.57
		-2.57	-4.91e-03	3.27e-06	0.0	295.7	-21.25	-3.43	2.45e-03	6.97e-04	2.33e-03	-0.37
27	2	2.03	2.85e-03	-9.50e-04	-9.99	0.0	-22.54	5.88	3.00e-03	8.54e-04	-6.01e-03	-3.07
		-3.07	-6.01e-03	4.01e-06	0.0	295.7	-25.31	-4.11	3.00e-03	8.54e-04	2.85e-03	-0.46
27	3	1.88	2.41e-03	-8.81e-04	-9.14	0.0	-20.78	5.40	2.53e-03	7.21e-04	-5.08e-03	-2.83
		-2.83	-5.08e-03	3.39e-06	0.0	295.7	-23.32	-3.74	2.53e-03	7.21e-04	2.41e-03	-0.37
27	4	2.04	2.67e-03	-9.58e-04	-9.97	0.0	-22.59	5.88	2.81e-03	8.00e-04	-5.63e-03	-3.08
		-3.08	-5.63e-03	3.76e-06	0.0	295.7	-25.35	-4.08	2.81e-03	8.00e-04	2.67e-03	-0.42
27	5	1.70	2.33e-03	-7.96e-04	-8.34	0.0	-18.94	4.92	2.45e-03	6.97e-04	-4.91e-03	-2.57
		-2.57	-4.91e-03	3.27e-06	0.0	295.7	-21.25	-3.43	2.45e-03	6.97e-04	2.33e-03	-0.37
27	6	1.87	2.59e-03	-8.73e-04	-9.17	0.0	-20.74	5.40	2.72e-03	7.76e-04	-5.46e-03	-2.82
		-2.82	-5.46e-03	3.64e-06	0.0	295.7	-23.28	-3.77	2.72e-03	7.76e-04	2.59e-03	-0.42
27	7	1.70	2.33e-03	-7.96e-04	-8.34	0.0	-18.94	4.92	2.45e-03	6.97e-04	-4.91e-03	-2.57
		-2.57	-4.91e-03	3.27e-06	0.0	295.7	-21.25	-3.43	2.45e-03	6.97e-04	2.33e-03	-0.37
27	8	1.87	2.59e-03	-8.73e-04	-9.17	0.0	-20.74	5.40	2.72e-03	7.76e-04	-5.46e-03	-2.82
		-2.82	-5.46e-03	3.64e-06	0.0	295.7	-23.28	-3.77	2.72e-03	7.76e-04	2.59e-03	-0.42
27	9	1.70	2.33e-03	-7.96e-04	-8.34	0.0	-18.94	4.92	2.45e-03	6.97e-04	-4.91e-03	-2.57
		-2.57	-4.91e-03	3.27e-06	0.0	295.7	-21.25	-3.43	2.45e-03	6.97e-04	2.33e-03	-0.37
27	10	1.87	2.59e-03	-8.73e-04	-9.17	0.0	-20.74	5.40	2.72e-03	7.76e-04	-5.46e-03	-2.82
		-2.82	-5.46e-03	3.64e-06	0.0	295.7	-23.28	-3.77	2.72e-03	7.76e-04	2.59e-03	-0.42
27	11	1.70	2.33e-03	-7.96e-04	-8.34	0.0	-18.94	4.92	2.45e-03	6.97e-04	-4.91e-03	-2.57
		-2.57	-4.91e-03	3.27e-06	0.0	295.7	-21.25	-3.43	2.45e-03	6.97e-04	2.33e-03	-0.37
27	12	1.87	2.59e-03	-8.73e-04	-9.17	0.0	-20.74	5.40	2.72e-03	7.76e-04	-5.46e-03	-2.82
		-2.82	-5.46e-03	3.64e-06	0.0	295.7	-23.28	-3.77	2.72e-03	7.76e-04	2.59e-03	-0.42
27	13	1.44	2.21e-03	-6.68e-04	-7.15	0.0	-16.18	4.19	2.32e-03	6.61e-04	-4.66e-03	-2.18
		-2.18	-4.66e-03	3.10e-06	0.0	295.7	-18.16	-2.96	2.32e-03	6.61e-04	2.21e-03	-0.37
27	14	1.50	2.31e-03	-6.99e-04	-7.48	0.0	-16.90	4.38	2.43e-03	6.92e-04	-4.88e-03	-2.28
		-2.28	-4.88e-03	3.25e-06	0.0	295.7	-18.97	-3.10	2.43e-03	6.92e-04	2.31e-03	-0.39
27	15	1.53	2.25e-03	-7.11e-04	-7.55	0.0	-17.10	4.43	2.36e-03	6.73e-04	-4.74e-03	-2.31
		-2.31	-4.74e-03	3.16e-06	0.0	295.7	-19.19	-3.12	2.36e-03	6.73e-04	2.25e-03	-0.37
27	16	1.44	2.21e-03	-6.68e-04	-7.15	0.0	-16.18	4.19	2.32e-03	6.61e-04	-4.66e-03	-2.18
		-2.18	-4.66e-03	3.10e-06	0.0	295.7	-18.16	-2.96	2.32e-03	6.61e-04	2.21e-03	-0.37
27	17	1.44	2.21e-03	-6.68e-04	-7.15	0.0	-16.18	4.19	2.32e-03	6.61e-04	-4.66e-03	-2.18
		-2.18	-4.66e-03	3.10e-06	0.0	295.7	-18.16	-2.96	2.32e-03	6.61e-04	2.21e-03	-0.37
27	18	1.44	2.21e-03	-6.68e-04	-7.15	0.0	-16.18	4.19	2.32e-03	6.61e-04	-4.66e-03	-2.18
		-2.18	-4.66e-03	3.10e-06	0.0	295.7	-18.16	-2.96	2.32e-03	6.61e-04	2.21e-03	-0.37
27	19	1.44	2.21e-03	-6.68e-04	-7.15	0.0	-16.18	4.19	2.32e-03	6.61e-04	-4.66e-03	-2.18
		-2.18	-4.66e-03	3.10e-06	0.0	295.7	-18.16	-2.96	2.32e-03	6.61e-04	2.21e-03	-0.37
27	20	1.44	2.21e-03	-6.68e-04	-7.15	0.0	-16.18	4.19	2.32e-03	6.61e-04	-4.66e-03	-2.18
		-2.18	-4.66e-03	3.10e-06	0.0	295.7	-18.16	-2.96	2.32e-03	6.61e-04	2.21e-03	-0.37
27	21	2.27	3.05e-03	-1.06e-03	-11.09	0.0	-25.18	6.54	3.21e-03	9.14e-04	-6.44e-03	-3.42
		-3.42	-6.44e-03	4.29e-06	0.0	295.7	-28.25	-4.55	3.21e-03	9.14e-04	3.05e-03	-0.49
27	22	2.76	3.83e-03	-1.29e-03	-13.56	0.0	-30.58	7.98	4.03e-03	1.15e-03	-8.09e-03	-4.18



27	23	-4.18	-8.09e-03	5.39e-06	0.0	295.7	-34.34	-5.58	4.03e-03	1.15e-03	3.83e-03	-0.62
		1.83	2.39e-03	-8.59e-04	-8.94	0.0	-20.32	5.28	2.51e-03	7.15e-04	-5.04e-03	-2.76
		-2.76	-5.04e-03	3.36e-06	0.0	295.7	-22.80	-3.66	2.51e-03	7.15e-04	2.39e-03	-0.37
27	24	2.33	3.17e-03	-1.09e-03	-11.41	0.0	-25.73	6.73	3.34e-03	9.50e-04	-6.69e-03	-3.52
		-3.52	-6.69e-03	4.46e-06	0.0	295.7	-28.89	-4.69	3.34e-03	9.50e-04	3.17e-03	-0.51
27	25	2.53	3.17e-03	-1.19e-03	-12.28	0.0	-27.94	7.26	3.33e-03	9.50e-04	-6.69e-03	-3.81
		-3.81	-6.69e-03	4.46e-06	0.0	295.7	-31.34	-5.02	3.33e-03	9.50e-04	3.17e-03	-0.49
27	26	2.78	3.56e-03	-1.30e-03	-13.52	0.0	-30.64	7.99	3.75e-03	1.07e-03	-7.52e-03	-4.19
		-4.19	-7.52e-03	5.01e-06	0.0	295.7	-34.39	-5.53	3.75e-03	1.07e-03	3.56e-03	-0.55
27	27	2.10	2.51e-03	-9.87e-04	-10.14	0.0	-23.09	6.01	2.64e-03	7.51e-04	-5.29e-03	-3.15
		-3.15	-5.29e-03	3.53e-06	0.0	295.7	-25.90	-4.13	2.64e-03	7.51e-04	2.51e-03	-0.38
27	28	2.35	2.90e-03	-1.10e-03	-11.38	0.0	-25.79	6.73	3.05e-03	8.69e-04	-6.12e-03	-3.53
		-3.53	-6.12e-03	4.08e-06	0.0	295.7	-28.94	-4.64	3.05e-03	8.69e-04	2.90e-03	-0.44
27	29	2.27	3.05e-03	-1.06e-03	-11.09	0.0	-25.18	6.54	3.21e-03	9.14e-04	-6.44e-03	-3.42
		-3.42	-6.44e-03	4.29e-06	0.0	295.7	-28.25	-4.55	3.21e-03	9.14e-04	3.05e-03	-0.49
27	30	2.51	3.44e-03	-1.18e-03	-12.32	0.0	-27.88	7.26	3.62e-03	1.03e-03	-7.26e-03	-3.80
		-3.80	-7.26e-03	4.84e-06	0.0	295.7	-31.29	-5.06	3.62e-03	1.03e-03	3.44e-03	-0.55
27	31	1.83	2.39e-03	-8.59e-04	-8.94	0.0	-20.32	5.28	2.51e-03	7.15e-04	-5.04e-03	-2.76
		-2.76	-5.04e-03	3.36e-06	0.0	295.7	-22.80	-3.66	2.51e-03	7.15e-04	2.39e-03	-0.37
27	32	2.08	2.78e-03	-9.75e-04	-10.18	0.0	-23.03	6.00	2.92e-03	8.33e-04	-5.87e-03	-3.14
		-3.14	-5.87e-03	3.91e-06	0.0	295.7	-25.85	-4.18	2.92e-03	8.33e-04	2.78e-03	-0.44
27	33	2.27	3.05e-03	-1.06e-03	-11.09	0.0	-25.18	6.54	3.21e-03	9.14e-04	-6.44e-03	-3.42
		-3.42	-6.44e-03	4.29e-06	0.0	295.7	-28.25	-4.55	3.21e-03	9.14e-04	3.05e-03	-0.49
27	34	2.51	3.44e-03	-1.18e-03	-12.32	0.0	-27.88	7.26	3.62e-03	1.03e-03	-7.26e-03	-3.80
		-3.80	-7.26e-03	4.84e-06	0.0	295.7	-31.29	-5.06	3.62e-03	1.03e-03	3.44e-03	-0.55
27	35	1.83	2.39e-03	-8.59e-04	-8.94	0.0	-20.32	5.28	2.51e-03	7.15e-04	-5.04e-03	-2.76
		-2.76	-5.04e-03	3.36e-06	0.0	295.7	-22.80	-3.66	2.51e-03	7.15e-04	2.39e-03	-0.37
27	36	2.08	2.78e-03	-9.75e-04	-10.18	0.0	-23.03	6.00	2.92e-03	8.33e-04	-5.87e-03	-3.14
		-3.14	-5.87e-03	3.91e-06	0.0	295.7	-25.85	-4.18	2.92e-03	8.33e-04	2.78e-03	-0.44
27	37	2.27	3.05e-03	-1.06e-03	-11.09	0.0	-25.18	6.54	3.21e-03	9.14e-04	-6.44e-03	-3.42
		-3.42	-6.44e-03	4.29e-06	0.0	295.7	-28.25	-4.55	3.21e-03	9.14e-04	3.05e-03	-0.49
27	38	2.51	3.44e-03	-1.18e-03	-12.32	0.0	-27.88	7.26	3.62e-03	1.03e-03	-7.26e-03	-3.80
		-3.80	-7.26e-03	4.84e-06	0.0	295.7	-31.29	-5.06	3.62e-03	1.03e-03	3.44e-03	-0.55
27	39	1.83	2.39e-03	-8.59e-04	-8.94	0.0	-20.32	5.28	2.51e-03	7.15e-04	-5.04e-03	-2.76
		-2.76	-5.04e-03	3.36e-06	0.0	295.7	-22.80	-3.66	2.51e-03	7.15e-04	2.39e-03	-0.37
27	40	2.08	2.78e-03	-9.75e-04	-10.18	0.0	-23.03	6.00	2.92e-03	8.33e-04	-5.87e-03	-3.14
		-3.14	-5.87e-03	3.91e-06	0.0	295.7	-25.85	-4.18	2.92e-03	8.33e-04	2.78e-03	-0.44
27	41	2.27	3.05e-03	-1.06e-03	-11.09	0.0	-25.18	6.54	3.21e-03	9.14e-04	-6.44e-03	-3.42
		-3.42	-6.44e-03	4.29e-06	0.0	295.7	-28.25	-4.55	3.21e-03	9.14e-04	3.05e-03	-0.49
27	42	2.51	3.44e-03	-1.18e-03	-12.32	0.0	-27.88	7.26	3.62e-03	1.03e-03	-7.26e-03	-3.80
		-3.80	-7.26e-03	4.84e-06	0.0	295.7	-31.29	-5.06	3.62e-03	1.03e-03	3.44e-03	-0.55
27	43	1.83	2.39e-03	-8.59e-04	-8.94	0.0	-20.32	5.28	2.51e-03	7.15e-04	-5.04e-03	-2.76
		-2.76	-5.04e-03	3.36e-06	0.0	295.7	-22.80	-3.66	2.51e-03	7.15e-04	2.39e-03	-0.37
27	44	2.08	2.78e-03	-9.75e-04	-10.18	0.0	-23.03	6.00	2.92e-03	8.33e-04	-5.87e-03	-3.14
		-3.14	-5.87e-03	3.91e-06	0.0	295.7	-25.85	-4.18	2.92e-03	8.33e-04	2.78e-03	-0.44
27	45	1.44	2.21e-03	-6.68e-04	-7.15	0.0	-16.18	4.19	2.32e-03	6.61e-04	-4.66e-03	-2.18
		-2.18	-4.66e-03	3.10e-06	0.0	295.7	-18.16	-2.96	2.32e-03	6.61e-04	2.21e-03	-0.37
28	1	0.0	0.0	6.76e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	2	0.0	0.0	8.02e-04	-1.55	0.0	0.19	1.55	0.0	0.0	0.0	-0.39
		-0.39	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	3	0.0	0.0	7.56e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	4	0.0	0.0	8.19e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	5	0.0	0.0	6.76e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	6	0.0	0.0	7.39e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	7	0.0	0.0	6.76e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	8	0.0	0.0	7.39e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	9	0.0	0.0	6.76e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	10	0.0	0.0	7.39e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	11	0.0	0.0	6.76e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	12	0.0	0.0	7.39e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	13	0.0	0.0	5.56e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	14	0.0	0.0	5.82e-04	-1.31	0.0	0.16	1.31	0.0	0.0	0.0	-0.33
		-0.33	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	15	0.0	0.0	5.96e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0



28	16	0.0	0.0	5.56e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	17	0.0	0.0	5.56e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	18	0.0	0.0	5.56e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	19	0.0	0.0	5.56e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	20	0.0	0.0	5.56e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	21	0.0	0.0	9.03e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	22	0.0	0.0	1.09e-03	-2.08	0.0	0.25	2.08	0.0	0.0	0.0	-0.52
		-0.52	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	23	0.0	0.0	7.36e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	24	0.0	0.0	9.25e-04	-1.70	0.0	0.20	1.70	0.0	0.0	0.0	-0.43
		-0.43	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	25	0.0	0.0	1.02e-03	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	26	0.0	0.0	1.12e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	27	0.0	0.0	8.56e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	28	0.0	0.0	9.51e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	29	0.0	0.0	9.03e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	30	0.0	0.0	9.98e-04	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	31	0.0	0.0	7.36e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	32	0.0	0.0	8.31e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	33	0.0	0.0	9.03e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	34	0.0	0.0	9.98e-04	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	35	0.0	0.0	7.36e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	36	0.0	0.0	8.31e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	37	0.0	0.0	9.03e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	38	0.0	0.0	9.98e-04	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	39	0.0	0.0	7.36e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	40	0.0	0.0	8.31e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	41	0.0	0.0	9.03e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	42	0.0	0.0	9.98e-04	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	43	0.0	0.0	7.36e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	44	0.0	0.0	8.31e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
28	45	0.0	0.0	5.56e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
29	1	0.0	0.0	-7.08e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	2	0.0	0.0	-8.43e-04	-1.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.39	0.0	0.0	0.0	50.4	0.19	-1.55	0.0	0.0	0.0	-0.39
29	3	0.0	0.0	-7.87e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	4	0.0	0.0	-8.54e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
29	5	0.0	0.0	-7.08e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	6	0.0	0.0	-7.76e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
29	7	0.0	0.0	-7.08e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	8	0.0	0.0	-7.76e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
29	9	0.0	0.0	-7.08e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0



29	10	-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
		0.0	0.0	-7.76e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
29	11	0.0	0.0	-7.08e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	12	0.0	0.0	-7.76e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
29	13	0.0	0.0	-5.91e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	14	0.0	0.0	-6.18e-04	-1.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.33	0.0	0.0	0.0	50.4	0.16	-1.31	0.0	0.0	0.0	-0.33
29	15	0.0	0.0	-6.30e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	16	0.0	0.0	-5.91e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	17	0.0	0.0	-5.91e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	18	0.0	0.0	-5.91e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	19	0.0	0.0	-5.91e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	20	0.0	0.0	-5.91e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	21	0.0	0.0	-9.45e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
29	22	0.0	0.0	-1.15e-03	-2.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.52	0.0	0.0	0.0	50.4	0.25	-2.08	0.0	0.0	0.0	-0.52
29	23	0.0	0.0	-7.67e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	24	0.0	0.0	-9.69e-04	-1.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.43	0.0	0.0	0.0	50.4	0.20	-1.70	0.0	0.0	0.0	-0.43
29	25	0.0	0.0	-1.06e-03	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
29	26	0.0	0.0	-1.16e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
29	27	0.0	0.0	-8.85e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	28	0.0	0.0	-9.86e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
29	29	0.0	0.0	-9.45e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
29	30	0.0	0.0	-1.05e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
29	31	0.0	0.0	-7.67e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	32	0.0	0.0	-8.68e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
29	33	0.0	0.0	-9.45e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
29	34	0.0	0.0	-1.05e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
29	35	0.0	0.0	-7.67e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	36	0.0	0.0	-8.68e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
29	37	0.0	0.0	-9.45e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
29	38	0.0	0.0	-1.05e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
29	39	0.0	0.0	-7.67e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	40	0.0	0.0	-8.68e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
29	41	0.0	0.0	-9.45e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
29	42	0.0	0.0	-1.05e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
29	43	0.0	0.0	-7.67e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
29	44	0.0	0.0	-8.68e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
29	45	0.0	0.0	-5.91e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
30	1	1.77	0.01	-1.53e-03	-8.34	0.0	-19.68	3.44	-0.01	-3.44e-03	0.01	-0.31
		-2.49	-0.02	1.61e-05	0.0	295.7	-17.36	-4.91	-0.01	-3.44e-03	-0.02	-2.49
30	2	2.12	0.01	-1.83e-03	-9.99	0.0	-23.40	4.12	-0.01	-4.13e-03	0.01	-0.38
		-2.97	-0.03	1.93e-05	0.0	295.7	-20.63	-5.87	-0.01	-4.13e-03	-0.03	-2.97



30	3	1.95	0.01	-1.68e-03	-9.14	0.0	-21.66	3.75	-0.01	-3.71e-03	0.01	-0.31
		-2.74	-0.03	1.74e-05	0.0	295.7	-19.12	-5.39	-0.01	-3.71e-03	-0.03	-2.74
30	4	2.12	0.01	-1.83e-03	-9.97	0.0	-23.52	4.09	-0.01	-4.06e-03	0.01	-0.35
		-2.99	-0.03	1.90e-05	0.0	295.7	-20.76	-5.87	-0.01	-4.06e-03	-0.03	-2.99
30	5	1.77	0.01	-1.53e-03	-8.34	0.0	-19.68	3.44	-0.01	-3.44e-03	0.01	-0.31
		-2.49	-0.02	1.61e-05	0.0	295.7	-17.36	-4.91	-0.01	-3.44e-03	-0.02	-2.49
30	6	1.95	0.01	-1.68e-03	-9.17	0.0	-21.54	3.78	-0.01	-3.79e-03	0.01	-0.35
		-2.73	-0.03	1.77e-05	0.0	295.7	-19.00	-5.39	-0.01	-3.79e-03	-0.03	-2.73
30	7	1.77	0.01	-1.53e-03	-8.34	0.0	-19.68	3.44	-0.01	-3.44e-03	0.01	-0.31
		-2.49	-0.02	1.61e-05	0.0	295.7	-17.36	-4.91	-0.01	-3.44e-03	-0.02	-2.49
30	8	1.95	0.01	-1.68e-03	-9.17	0.0	-21.54	3.78	-0.01	-3.79e-03	0.01	-0.35
		-2.73	-0.03	1.77e-05	0.0	295.7	-19.00	-5.39	-0.01	-3.79e-03	-0.03	-2.73
30	9	1.77	0.01	-1.53e-03	-8.34	0.0	-19.68	3.44	-0.01	-3.44e-03	0.01	-0.31
		-2.49	-0.02	1.61e-05	0.0	295.7	-17.36	-4.91	-0.01	-3.44e-03	-0.02	-2.49
30	10	1.95	0.01	-1.68e-03	-9.17	0.0	-21.54	3.78	-0.01	-3.79e-03	0.01	-0.35
		-2.73	-0.03	1.77e-05	0.0	295.7	-19.00	-5.39	-0.01	-3.79e-03	-0.03	-2.73
30	11	1.77	0.01	-1.53e-03	-8.34	0.0	-19.68	3.44	-0.01	-3.44e-03	0.01	-0.31
		-2.49	-0.02	1.61e-05	0.0	295.7	-17.36	-4.91	-0.01	-3.44e-03	-0.02	-2.49
30	12	1.95	0.01	-1.68e-03	-9.17	0.0	-21.54	3.78	-0.01	-3.79e-03	0.01	-0.35
		-2.73	-0.03	1.77e-05	0.0	295.7	-19.00	-5.39	-0.01	-3.79e-03	-0.03	-2.73
30	13	1.51	0.01	-1.30e-03	-7.15	0.0	-16.71	2.97	-0.01	-3.04e-03	0.01	-0.31
		-2.10	-0.02	1.42e-05	0.0	295.7	-14.72	-4.18	-0.01	-3.04e-03	-0.02	-2.10
30	14	1.58	0.01	-1.36e-03	-7.48	0.0	-17.45	3.11	-0.01	-3.18e-03	0.01	-0.32
		-2.19	-0.02	1.49e-05	0.0	295.7	-15.38	-4.37	-0.01	-3.18e-03	-0.02	-2.19
30	15	1.60	0.01	-1.38e-03	-7.55	0.0	-17.70	3.12	-0.01	-3.17e-03	0.01	-0.31
		-2.23	-0.02	1.48e-05	0.0	295.7	-15.60	-4.42	-0.01	-3.17e-03	-0.02	-2.23
30	16	1.51	0.01	-1.30e-03	-7.15	0.0	-16.71	2.97	-0.01	-3.04e-03	0.01	-0.31
		-2.10	-0.02	1.42e-05	0.0	295.7	-14.72	-4.18	-0.01	-3.04e-03	-0.02	-2.10
30	17	1.51	0.01	-1.30e-03	-7.15	0.0	-16.71	2.97	-0.01	-3.04e-03	0.01	-0.31
		-2.10	-0.02	1.42e-05	0.0	295.7	-14.72	-4.18	-0.01	-3.04e-03	-0.02	-2.10
30	18	1.51	0.01	-1.30e-03	-7.15	0.0	-16.71	2.97	-0.01	-3.04e-03	0.01	-0.31
		-2.10	-0.02	1.42e-05	0.0	295.7	-14.72	-4.18	-0.01	-3.04e-03	-0.02	-2.10
30	19	1.51	0.01	-1.30e-03	-7.15	0.0	-16.71	2.97	-0.01	-3.04e-03	0.01	-0.31
		-2.10	-0.02	1.42e-05	0.0	295.7	-14.72	-4.18	-0.01	-3.04e-03	-0.02	-2.10
30	20	1.51	0.01	-1.30e-03	-7.15	0.0	-16.71	2.97	-0.01	-3.04e-03	0.01	-0.31
		-2.10	-0.02	1.42e-05	0.0	295.7	-14.72	-4.18	-0.01	-3.04e-03	-0.02	-2.10
30	21	2.36	0.02	-2.03e-03	-11.09	0.0	-26.17	4.56	-0.02	-4.56e-03	0.02	-0.41
		-3.31	-0.03	2.13e-05	0.0	295.7	-23.10	-6.53	-0.02	-4.56e-03	-0.03	-3.31
30	22	2.88	0.02	-2.48e-03	-13.56	0.0	-31.76	5.59	-0.02	-5.59e-03	0.02	-0.51
		-4.03	-0.04	2.62e-05	0.0	295.7	-28.00	-7.97	-0.02	-5.59e-03	-0.04	-4.03
30	23	1.91	0.01	-1.64e-03	-8.94	0.0	-21.16	3.67	-0.01	-3.65e-03	0.01	-0.31
		-2.68	-0.03	1.70e-05	0.0	295.7	-18.68	-5.27	-0.01	-3.65e-03	-0.03	-2.68
30	24	2.43	0.02	-2.09e-03	-11.41	0.0	-26.74	4.70	-0.02	-4.68e-03	0.02	-0.42
		-3.40	-0.03	2.19e-05	0.0	295.7	-23.58	-6.72	-0.02	-4.68e-03	-0.03	-3.40
30	25	2.62	0.02	-2.26e-03	-12.28	0.0	-29.14	5.03	-0.02	-4.96e-03	0.02	-0.41
		-3.70	-0.04	2.32e-05	0.0	295.7	-25.74	-7.25	-0.02	-4.96e-03	-0.04	-3.70
30	26	2.88	0.02	-2.48e-03	-13.52	0.0	-31.94	5.54	-0.02	-5.48e-03	0.02	-0.46
		-4.06	-0.04	2.56e-05	0.0	295.7	-28.19	-7.98	-0.02	-5.48e-03	-0.04	-4.06
30	27	2.17	0.01	-1.87e-03	-10.14	0.0	-24.13	4.14	-0.01	-4.05e-03	0.01	-0.32
		-3.07	-0.03	1.89e-05	0.0	295.7	-21.32	-6.00	-0.01	-4.05e-03	-0.03	-3.07
30	28	2.43	0.02	-2.09e-03	-11.38	0.0	-26.92	4.65	-0.02	-4.57e-03	0.02	-0.37
		-3.43	-0.03	2.14e-05	0.0	295.7	-23.77	-6.72	-0.02	-4.57e-03	-0.03	-3.43
30	29	2.36	0.02	-2.03e-03	-11.09	0.0	-26.17	4.56	-0.02	-4.56e-03	0.02	-0.41
		-3.31	-0.03	2.13e-05	0.0	295.7	-23.10	-6.53	-0.02	-4.56e-03	-0.03	-3.31
30	30	2.62	0.02	-2.26e-03	-12.32	0.0	-28.96	5.08	-0.02	-5.08e-03	0.02	-0.46
		-3.67	-0.04	2.37e-05	0.0	295.7	-25.55	-7.25	-0.02	-5.08e-03	-0.04	-3.67
30	31	1.91	0.01	-1.64e-03	-8.94	0.0	-21.16	3.67	-0.01	-3.65e-03	0.01	-0.31
		-2.68	-0.03	1.70e-05	0.0	295.7	-18.68	-5.27	-0.01	-3.65e-03	-0.03	-2.68
30	32	2.17	0.01	-1.87e-03	-10.18	0.0	-23.95	4.19	-0.01	-4.16e-03	0.01	-0.37
		-3.04	-0.03	1.95e-05	0.0	295.7	-21.13	-5.99	-0.01	-4.16e-03	-0.03	-3.04
30	33	2.36	0.02	-2.03e-03	-11.09	0.0	-26.17	4.56	-0.02	-4.56e-03	0.02	-0.41
		-3.31	-0.03	2.13e-05	0.0	295.7	-23.10	-6.53	-0.02	-4.56e-03	-0.03	-3.31
30	34	2.62	0.02	-2.26e-03	-12.32	0.0	-28.96	5.08	-0.02	-5.08e-03	0.02	-0.46
		-3.67	-0.04	2.37e-05	0.0	295.7	-25.55	-7.25	-0.02	-5.08e-03	-0.04	-3.67
30	35	1.91	0.01	-1.64e-03	-8.94	0.0	-21.16	3.67	-0.01	-3.65e-03	0.01	-0.31
		-2.68	-0.03	1.70e-05	0.0	295.7	-18.68	-5.27	-0.01	-3.65e-03	-0.03	-2.68
30	36	2.17	0.01	-1.87e-03	-10.18	0.0	-23.95	4.19	-0.01	-4.16e-03	0.01	-0.37
		-3.04	-0.03	1.95e-05	0.0	295.7	-21.13	-5.99	-0.01	-4.16e-03	-0.03	-3.04
30	37	2.36	0.02	-2.03e-03	-11.09	0.0	-26.17	4.56	-0.02	-4.56e-03	0.02	-0.41
		-3.31	-0.03	2.13e-05	0.0	295.7	-23.10	-6.53	-0.02	-4.56e-03	-0.03	-3.31
30	38	2.62	0.02	-2.26e-03	-12.32	0.0	-28.96	5.08	-0.02	-5.08e-03	0.02	-0.46
		-3.67	-0.04	2.37e-05	0.0	295.7	-25.55	-7.25	-0.02	-5.08e-03	-0.04	-3.67
30	39	1.91	0.01	-1.64e-03	-8.94	0.0	-21.16	3.67	-0.01	-3.65e-03	0.01	-0.31
		-2.68	-0.03	1.70e-05	0.0	295.7	-18.68	-5.27	-0.01	-3.65e-03	-0.03	-2.68
30	40	2.17	0.01	-1.87e-03	-10.18	0.0	-23.95	4.19	-0.01	-4.16e-03	0.01	-0.37
		-3.04	-0.03	1.95e-05	0.0	295.7	-21.13	-5.99	-0.01	-4.16e-03	-0.03	-3.04
30	41	2.36	0.02	-2.03e-03	-11.09	0.0	-26.17	4.56	-0.02	-4.56e-03	0.02	-0.41



30	42	-3.31	-0.03	2.13e-05	0.0	295.7	-23.10	-6.53	-0.02	-4.56e-03	-0.03	-3.31
		2.62	0.02	-2.26e-03	-12.32	0.0	-28.96	5.08	-0.02	-5.08e-03	0.02	-0.46
		-3.67	-0.04	2.37e-05	0.0	295.7	-25.55	-7.25	-0.02	-5.08e-03	-0.04	-3.67
30	43	1.91	0.01	-1.64e-03	-8.94	0.0	-21.16	3.67	-0.01	-3.65e-03	0.01	-0.31
		-2.68	-0.03	1.70e-05	0.0	295.7	-18.68	-5.27	-0.01	-3.65e-03	-0.03	-2.68
30	44	2.17	0.01	-1.87e-03	-10.18	0.0	-23.95	4.19	-0.01	-4.16e-03	0.01	-0.37
		-3.04	-0.03	1.95e-05	0.0	295.7	-21.13	-5.99	-0.01	-4.16e-03	-0.03	-3.04
30	45	1.51	0.01	-1.30e-03	-7.15	0.0	-16.71	2.97	-0.01	-3.04e-03	0.01	-0.31
		-2.10	-0.02	1.42e-05	0.0	295.7	-14.72	-4.18	-0.01	-3.04e-03	-0.02	-2.10
31	1	1.60	0.01	-7.42e-04	-8.34	0.0	-17.37	4.88	0.01	3.44e-03	-0.02	-2.61
		-2.61	-0.02	1.62e-05	0.0	295.7	-19.68	-3.46	0.01	3.44e-03	0.01	-0.52
31	2	1.91	0.01	-8.83e-04	-9.99	0.0	-20.64	5.84	0.01	4.13e-03	-0.03	-3.13
		-3.13	-0.03	1.95e-05	0.0	295.7	-23.41	-4.16	0.01	4.13e-03	0.01	-0.64
31	3	1.78	0.01	-8.27e-04	-9.14	0.0	-19.13	5.37	0.01	3.71e-03	-0.03	-2.87
		-2.87	-0.03	1.75e-05	0.0	295.7	-21.66	-3.78	0.01	3.71e-03	0.01	-0.52
31	4	1.93	0.01	-8.98e-04	-9.97	0.0	-20.76	5.84	0.01	4.06e-03	-0.03	-3.13
		-3.13	-0.03	1.91e-05	0.0	295.7	-23.52	-4.12	0.01	4.06e-03	0.01	-0.58
31	5	1.60	0.01	-7.42e-04	-8.34	0.0	-17.37	4.88	0.01	3.44e-03	-0.02	-2.61
		-2.61	-0.02	1.62e-05	0.0	295.7	-19.68	-3.46	0.01	3.44e-03	0.01	-0.52
31	6	1.76	0.01	-8.12e-04	-9.17	0.0	-19.00	5.36	0.01	3.79e-03	-0.03	-2.87
		-2.87	-0.03	1.78e-05	0.0	295.7	-21.54	-3.81	0.01	3.79e-03	0.01	-0.58
31	7	1.60	0.01	-7.42e-04	-8.34	0.0	-17.37	4.88	0.01	3.44e-03	-0.02	-2.61
		-2.61	-0.02	1.62e-05	0.0	295.7	-19.68	-3.46	0.01	3.44e-03	0.01	-0.52
31	8	1.76	0.01	-8.12e-04	-9.17	0.0	-19.00	5.36	0.01	3.79e-03	-0.03	-2.87
		-2.87	-0.03	1.78e-05	0.0	295.7	-21.54	-3.81	0.01	3.79e-03	0.01	-0.58
31	9	1.60	0.01	-7.42e-04	-8.34	0.0	-17.37	4.88	0.01	3.44e-03	-0.02	-2.61
		-2.61	-0.02	1.62e-05	0.0	295.7	-19.68	-3.46	0.01	3.44e-03	0.01	-0.52
31	10	1.76	0.01	-8.12e-04	-9.17	0.0	-19.00	5.36	0.01	3.79e-03	-0.03	-2.87
		-2.87	-0.03	1.78e-05	0.0	295.7	-21.54	-3.81	0.01	3.79e-03	0.01	-0.58
31	11	1.60	0.01	-7.42e-04	-8.34	0.0	-17.37	4.88	0.01	3.44e-03	-0.02	-2.61
		-2.61	-0.02	1.62e-05	0.0	295.7	-19.68	-3.46	0.01	3.44e-03	0.01	-0.52
31	12	1.76	0.01	-8.12e-04	-9.17	0.0	-19.00	5.36	0.01	3.79e-03	-0.03	-2.87
		-2.87	-0.03	1.78e-05	0.0	295.7	-21.54	-3.81	0.01	3.79e-03	0.01	-0.58
31	13	1.34	0.01	-6.14e-04	-7.15	0.0	-14.73	4.15	0.01	3.04e-03	-0.02	-2.22
		-2.22	-0.02	1.43e-05	0.0	295.7	-16.71	-3.00	0.01	3.04e-03	0.01	-0.51
31	14	1.40	0.01	-6.42e-04	-7.48	0.0	-15.38	4.34	0.01	3.18e-03	-0.02	-2.33
		-2.33	-0.02	1.50e-05	0.0	295.7	-17.46	-3.13	0.01	3.18e-03	0.01	-0.54
31	15	1.43	0.01	-6.56e-04	-7.55	0.0	-15.61	4.39	0.01	3.17e-03	-0.02	-2.35
		-2.35	-0.02	1.49e-05	0.0	295.7	-17.70	-3.15	0.01	3.17e-03	0.01	-0.51
31	16	1.34	0.01	-6.14e-04	-7.15	0.0	-14.73	4.15	0.01	3.04e-03	-0.02	-2.22
		-2.22	-0.02	1.43e-05	0.0	295.7	-16.71	-3.00	0.01	3.04e-03	0.01	-0.51
31	17	1.34	0.01	-6.14e-04	-7.15	0.0	-14.73	4.15	0.01	3.04e-03	-0.02	-2.22
		-2.22	-0.02	1.43e-05	0.0	295.7	-16.71	-3.00	0.01	3.04e-03	0.01	-0.51
31	18	1.34	0.01	-6.14e-04	-7.15	0.0	-14.73	4.15	0.01	3.04e-03	-0.02	-2.22
		-2.22	-0.02	1.43e-05	0.0	295.7	-16.71	-3.00	0.01	3.04e-03	0.01	-0.51
31	19	1.34	0.01	-6.14e-04	-7.15	0.0	-14.73	4.15	0.01	3.04e-03	-0.02	-2.22
		-2.22	-0.02	1.43e-05	0.0	295.7	-16.71	-3.00	0.01	3.04e-03	0.01	-0.51
31	20	1.34	0.01	-6.14e-04	-7.15	0.0	-14.73	4.15	0.01	3.04e-03	-0.02	-2.22
		-2.22	-0.02	1.43e-05	0.0	295.7	-16.71	-3.00	0.01	3.04e-03	0.01	-0.51
31	21	2.14	0.02	-9.90e-04	-11.09	0.0	-23.11	6.49	0.02	4.56e-03	-0.03	-3.47
		-3.47	-0.03	2.14e-05	0.0	295.7	-26.18	-4.60	0.02	4.56e-03	0.02	-0.67
31	22	2.60	0.02	-1.20e-03	-13.56	0.0	-28.01	7.92	0.02	5.59e-03	-0.04	-4.24
		-4.24	-0.04	2.63e-05	0.0	295.7	-31.77	-5.63	0.02	5.59e-03	0.02	-0.86
31	23	1.73	0.01	-8.06e-04	-8.94	0.0	-18.69	5.24	0.01	3.65e-03	-0.03	-2.81
		-2.81	-0.03	1.72e-05	0.0	295.7	-21.17	-3.70	0.01	3.65e-03	0.01	-0.52
31	24	2.19	0.02	-1.02e-03	-11.41	0.0	-23.59	6.68	0.02	4.68e-03	-0.03	-3.58
		-3.58	-0.03	2.20e-05	0.0	295.7	-26.75	-4.74	0.02	4.68e-03	0.02	-0.70
31	25	2.40	0.02	-1.12e-03	-12.28	0.0	-25.75	7.22	0.02	4.96e-03	-0.04	-3.86
		-3.86	-0.04	2.34e-05	0.0	295.7	-29.15	-5.07	0.02	4.96e-03	0.02	-0.68
31	26	2.63	0.02	-1.22e-03	-13.52	0.0	-28.20	7.94	0.02	5.48e-03	-0.04	-4.25
		-4.25	-0.04	2.58e-05	0.0	295.7	-31.94	-5.58	0.02	5.48e-03	0.02	-0.77
31	27	2.00	0.01	-9.34e-04	-10.14	0.0	-21.33	5.97	0.01	4.05e-03	-0.03	-3.19
		-3.19	-0.03	1.91e-05	0.0	295.7	-24.14	-4.17	0.01	4.05e-03	0.01	-0.52
31	28	2.23	0.02	-1.04e-03	-11.38	0.0	-23.78	6.69	0.02	4.57e-03	-0.03	-3.58
		-3.58	-0.03	2.15e-05	0.0	295.7	-26.93	-4.69	0.02	4.57e-03	0.02	-0.62
31	29	2.14	0.02	-9.90e-04	-11.09	0.0	-23.11	6.49	0.02	4.56e-03	-0.03	-3.47
		-3.47	-0.03	2.14e-05	0.0	295.7	-26.18	-4.60	0.02	4.56e-03	0.02	-0.67
31	30	2.37	0.02	-1.10e-03	-12.32	0.0	-25.56	7.21	0.02	5.08e-03	-0.04	-3.86
		-3.86	-0.04	2.39e-05	0.0	295.7	-28.97	-5.12	0.02	5.08e-03	0.02	-0.76
31	31	1.73	0.01	-8.06e-04	-8.94	0.0	-18.69	5.24	0.01	3.65e-03	-0.03	-2.81
		-2.81	-0.03	1.72e-05	0.0	295.7	-21.17	-3.70	0.01	3.65e-03	0.01	-0.52
31	32	1.96	0.01	-9.12e-04	-10.18	0.0	-21.14	5.96	0.01	4.16e-03	-0.03	-3.19
		-3.19	-0.03	1.96e-05	0.0	295.7	-23.96	-4.22	0.01	4.16e-03	0.01	-0.61
31	33	2.14	0.02	-9.90e-04	-11.09	0.0	-23.11	6.49	0.02	4.56e-03	-0.03	-3.47
		-3.47	-0.03	2.14e-05	0.0	295.7	-26.18	-4.60	0.02	4.56e-03	0.02	-0.67
31	34	2.37	0.02	-1.10e-03	-12.32	0.0	-25.56	7.21	0.02	5.08e-03	-0.04	-3.86
		-3.86	-0.04	2.39e-05	0.0	295.7	-28.97	-5.12	0.02	5.08e-03	0.02	-0.76



31	35	1.73	0.01	-8.06e-04	-8.94	0.0	-18.69	5.24	0.01	3.65e-03	-0.03	-2.81
		-2.81	-0.03	1.72e-05	0.0	295.7	-21.17	-3.70	0.01	3.65e-03	0.01	-0.52
31	36	1.96	0.01	-9.12e-04	-10.18	0.0	-21.14	5.96	0.01	4.16e-03	-0.03	-3.19
		-3.19	-0.03	1.96e-05	0.0	295.7	-23.96	-4.22	0.01	4.16e-03	0.01	-0.61
31	37	2.14	0.02	-9.90e-04	-11.09	0.0	-23.11	6.49	0.02	4.56e-03	-0.03	-3.47
		-3.47	-0.03	2.14e-05	0.0	295.7	-26.18	-4.60	0.02	4.56e-03	0.02	-0.67
31	38	2.37	0.02	-1.10e-03	-12.32	0.0	-25.56	7.21	0.02	5.08e-03	-0.04	-3.86
		-3.86	-0.04	2.39e-05	0.0	295.7	-28.97	-5.12	0.02	5.08e-03	0.02	-0.76
31	39	1.73	0.01	-8.06e-04	-8.94	0.0	-18.69	5.24	0.01	3.65e-03	-0.03	-2.81
		-2.81	-0.03	1.72e-05	0.0	295.7	-21.17	-3.70	0.01	3.65e-03	0.01	-0.52
31	40	1.96	0.01	-9.12e-04	-10.18	0.0	-21.14	5.96	0.01	4.16e-03	-0.03	-3.19
		-3.19	-0.03	1.96e-05	0.0	295.7	-23.96	-4.22	0.01	4.16e-03	0.01	-0.61
31	41	2.14	0.02	-9.90e-04	-11.09	0.0	-23.11	6.49	0.02	4.56e-03	-0.03	-3.47
		-3.47	-0.03	2.14e-05	0.0	295.7	-26.18	-4.60	0.02	4.56e-03	0.02	-0.67
31	42	2.37	0.02	-1.10e-03	-12.32	0.0	-25.56	7.21	0.02	5.08e-03	-0.04	-3.86
		-3.86	-0.04	2.39e-05	0.0	295.7	-28.97	-5.12	0.02	5.08e-03	0.02	-0.76
31	43	1.73	0.01	-8.06e-04	-8.94	0.0	-18.69	5.24	0.01	3.65e-03	-0.03	-2.81
		-2.81	-0.03	1.72e-05	0.0	295.7	-21.17	-3.70	0.01	3.65e-03	0.01	-0.52
31	44	1.96	0.01	-9.12e-04	-10.18	0.0	-21.14	5.96	0.01	4.16e-03	-0.03	-3.19
		-3.19	-0.03	1.96e-05	0.0	295.7	-23.96	-4.22	0.01	4.16e-03	0.01	-0.61
31	45	1.34	0.01	-6.14e-04	-7.15	0.0	-14.73	4.15	0.01	3.04e-03	-0.02	-2.22
		-2.22	-0.02	1.43e-05	0.0	295.7	-16.71	-3.00	0.01	3.04e-03	0.01	-0.51
32	1	0.0	0.0	6.00e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	2	0.0	0.0	7.09e-04	-1.55	0.0	0.19	1.55	0.0	0.0	0.0	-0.39
		-0.39	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	3	0.0	0.0	6.79e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	4	0.0	0.0	7.33e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	5	0.0	0.0	6.00e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	6	0.0	0.0	6.54e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	7	0.0	0.0	6.00e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	8	0.0	0.0	6.54e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	9	0.0	0.0	6.00e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	10	0.0	0.0	6.54e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	11	0.0	0.0	6.00e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	12	0.0	0.0	6.54e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	13	0.0	0.0	4.82e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	14	0.0	0.0	5.04e-04	-1.31	0.0	0.16	1.31	0.0	0.0	0.0	-0.33
		-0.33	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	15	0.0	0.0	5.22e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	16	0.0	0.0	4.82e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	17	0.0	0.0	4.82e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	18	0.0	0.0	4.82e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	19	0.0	0.0	4.82e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	20	0.0	0.0	4.82e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	21	0.0	0.0	8.04e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	22	0.0	0.0	9.67e-04	-2.08	0.0	0.25	2.08	0.0	0.0	0.0	-0.52
		-0.52	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	23	0.0	0.0	6.59e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	24	0.0	0.0	8.22e-04	-1.70	0.0	0.20	1.70	0.0	0.0	0.0	-0.43
		-0.43	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	25	0.0	0.0	9.22e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	26	0.0	0.0	1.00e-03	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	27	0.0	0.0	7.77e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	28	0.0	0.0	8.58e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37



32	29	-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	8.04e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	30	0.0	0.0	8.85e-04	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	31	0.0	0.0	6.59e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	32	0.0	0.0	7.41e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	33	0.0	0.0	8.04e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	34	0.0	0.0	8.85e-04	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	35	0.0	0.0	6.59e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	36	0.0	0.0	7.41e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	37	0.0	0.0	8.04e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	38	0.0	0.0	8.85e-04	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	39	0.0	0.0	6.59e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	40	0.0	0.0	7.41e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	41	0.0	0.0	8.04e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	42	0.0	0.0	8.85e-04	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	43	0.0	0.0	6.59e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	44	0.0	0.0	7.41e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
32	45	0.0	0.0	4.82e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
33	1	0.0	0.0	-7.17e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	2	0.0	0.0	-8.56e-04	-1.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.39	0.0	0.0	0.0	50.4	0.19	-1.55	0.0	0.0	0.0	-0.39
33	3	0.0	0.0	-7.91e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	4	0.0	0.0	-8.61e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
33	5	0.0	0.0	-7.17e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	6	0.0	0.0	-7.87e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
33	7	0.0	0.0	-7.17e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	8	0.0	0.0	-7.87e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
33	9	0.0	0.0	-7.17e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	10	0.0	0.0	-7.87e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
33	11	0.0	0.0	-7.17e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	12	0.0	0.0	-7.87e-04	-1.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.35	0.0	0.0	0.0	50.4	0.17	-1.40	0.0	0.0	0.0	-0.35
33	13	0.0	0.0	-6.06e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	14	0.0	0.0	-6.34e-04	-1.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.33	0.0	0.0	0.0	50.4	0.16	-1.31	0.0	0.0	0.0	-0.33
33	15	0.0	0.0	-6.43e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	16	0.0	0.0	-6.06e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	17	0.0	0.0	-6.06e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	18	0.0	0.0	-6.06e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	19	0.0	0.0	-6.06e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	20	0.0	0.0	-6.06e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	21	0.0	0.0	-9.54e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41



33	22	0.0	0.0	-1.16e-03	-2.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.52	0.0	0.0	0.0	50.4	0.25	-2.08	0.0	0.0	0.0	-0.52
33	23	0.0	0.0	-7.73e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	24	0.0	0.0	-9.81e-04	-1.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.43	0.0	0.0	0.0	50.4	0.20	-1.70	0.0	0.0	0.0	-0.43
33	25	0.0	0.0	-1.07e-03	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
33	26	0.0	0.0	-1.17e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
33	27	0.0	0.0	-8.84e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	28	0.0	0.0	-9.88e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
33	29	0.0	0.0	-9.54e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
33	30	0.0	0.0	-1.06e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
33	31	0.0	0.0	-7.73e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	32	0.0	0.0	-8.77e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
33	33	0.0	0.0	-9.54e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
33	34	0.0	0.0	-1.06e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
33	35	0.0	0.0	-7.73e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	36	0.0	0.0	-8.77e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
33	37	0.0	0.0	-9.54e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
33	38	0.0	0.0	-1.06e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
33	39	0.0	0.0	-7.73e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	40	0.0	0.0	-8.77e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
33	41	0.0	0.0	-9.54e-04	-1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.41	0.0	0.0	0.0	50.4	0.20	-1.63	0.0	0.0	0.0	-0.41
33	42	0.0	0.0	-1.06e-03	-1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.47	0.0	0.0	0.0	50.4	0.22	-1.85	0.0	0.0	0.0	-0.47
33	43	0.0	0.0	-7.73e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
33	44	0.0	0.0	-8.77e-04	-1.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.37	0.0	0.0	0.0	50.4	0.18	-1.48	0.0	0.0	0.0	-0.37
33	45	0.0	0.0	-6.06e-04	-1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.32	0.0	0.0	0.0	50.4	0.15	-1.25	0.0	0.0	0.0	-0.32
34	1	1.89	0.03	-1.55e-03	-8.34	0.0	-13.45	3.56	-0.03	-8.20e-03	0.03	-0.35
		-2.17	-0.06	3.84e-05	0.0	295.7	-11.14	-4.79	-0.03	-8.20e-03	-0.06	-2.17
34	2	2.27	0.03	-1.85e-03	-9.99	0.0	-15.94	4.27	-0.03	-9.75e-03	0.03	-0.43
		-2.57	-0.07	4.57e-05	0.0	295.7	-13.17	-5.72	-0.03	-9.75e-03	-0.07	-2.57
34	3	2.07	0.03	-1.68e-03	-9.14	0.0	-14.90	3.87	-0.03	-9.03e-03	0.03	-0.35
		-2.43	-0.06	4.23e-05	0.0	295.7	-12.37	-5.27	-0.03	-9.03e-03	-0.06	-2.43
34	4	2.25	0.03	-1.84e-03	-9.97	0.0	-16.15	4.23	-0.03	-9.80e-03	0.03	-0.39
		-2.63	-0.07	4.59e-05	0.0	295.7	-13.38	-5.74	-0.03	-9.80e-03	-0.07	-2.63
34	5	1.89	0.03	-1.55e-03	-8.34	0.0	-13.45	3.56	-0.03	-8.20e-03	0.03	-0.35
		-2.17	-0.06	3.84e-05	0.0	295.7	-11.14	-4.79	-0.03	-8.20e-03	-0.06	-2.17
34	6	2.08	0.03	-1.70e-03	-9.17	0.0	-14.70	3.92	-0.03	-8.97e-03	0.03	-0.39
		-2.37	-0.06	4.20e-05	0.0	295.7	-12.16	-5.25	-0.03	-8.97e-03	-0.06	-2.37
34	7	1.89	0.03	-1.55e-03	-8.34	0.0	-13.45	3.56	-0.03	-8.20e-03	0.03	-0.35
		-2.17	-0.06	3.84e-05	0.0	295.7	-11.14	-4.79	-0.03	-8.20e-03	-0.06	-2.17
34	8	2.08	0.03	-1.70e-03	-9.17	0.0	-14.70	3.92	-0.03	-8.97e-03	0.03	-0.39
		-2.37	-0.06	4.20e-05	0.0	295.7	-12.16	-5.25	-0.03	-8.97e-03	-0.06	-2.37
34	9	1.89	0.03	-1.55e-03	-8.34	0.0	-13.45	3.56	-0.03	-8.20e-03	0.03	-0.35
		-2.17	-0.06	3.84e-05	0.0	295.7	-11.14	-4.79	-0.03	-8.20e-03	-0.06	-2.17
34	10	2.08	0.03	-1.70e-03	-9.17	0.0	-14.70	3.92	-0.03	-8.97e-03	0.03	-0.39
		-2.37	-0.06	4.20e-05	0.0	295.7	-12.16	-5.25	-0.03	-8.97e-03	-0.06	-2.37
34	11	1.89	0.03	-1.55e-03	-8.34	0.0	-13.45	3.56	-0.03	-8.20e-03	0.03	-0.35
		-2.17	-0.06	3.84e-05	0.0	295.7	-11.14	-4.79	-0.03	-8.20e-03	-0.06	-2.17
34	12	2.08	0.03	-1.70e-03	-9.17	0.0	-14.70	3.92	-0.03	-8.97e-03	0.03	-0.39
		-2.37	-0.06	4.20e-05	0.0	295.7	-12.16	-5.25	-0.03	-8.97e-03	-0.06	-2.37
34	13	1.64	0.02	-1.34e-03	-7.15	0.0	-11.27	3.09	-0.02	-6.96e-03	0.02	-0.34
		-1.77	-0.05	3.26e-05	0.0	295.7	-9.29	-4.05	-0.02	-6.96e-03	-0.05	-1.77
34	14	1.71	0.02	-1.40e-03	-7.48	0.0	-11.77	3.24	-0.03	-7.27e-03	0.02	-0.36
		-1.85	-0.05	3.41e-05	0.0	295.7	-9.70	-4.24	-0.03	-7.27e-03	-0.05	-1.85
34	15	1.72	0.02	-1.41e-03	-7.55	0.0	-12.00	3.25	-0.03	-7.37e-03	0.02	-0.34



34	16	-1.90	-0.05	3.45e-05	0.0	295.7	-9.91	-4.30	-0.03	-7.37e-03	-0.05	-1.90
		1.64	0.02	-1.34e-03	-7.15	0.0	-11.27	3.09	-0.02	-6.96e-03	0.02	-0.34
		-1.77	-0.05	3.26e-05	0.0	295.7	-9.29	-4.05	-0.02	-6.96e-03	-0.05	-1.77
34	17	1.64	0.02	-1.34e-03	-7.15	0.0	-11.27	3.09	-0.02	-6.96e-03	0.02	-0.34
		-1.77	-0.05	3.26e-05	0.0	295.7	-9.29	-4.05	-0.02	-6.96e-03	-0.05	-1.77
34	18	1.64	0.02	-1.34e-03	-7.15	0.0	-11.27	3.09	-0.02	-6.96e-03	0.02	-0.34
		-1.77	-0.05	3.26e-05	0.0	295.7	-9.29	-4.05	-0.02	-6.96e-03	-0.05	-1.77
34	19	1.64	0.02	-1.34e-03	-7.15	0.0	-11.27	3.09	-0.02	-6.96e-03	0.02	-0.34
		-1.77	-0.05	3.26e-05	0.0	295.7	-9.29	-4.05	-0.02	-6.96e-03	-0.05	-1.77
34	20	1.64	0.02	-1.34e-03	-7.15	0.0	-11.27	3.09	-0.02	-6.96e-03	0.02	-0.34
		-1.77	-0.05	3.26e-05	0.0	295.7	-9.29	-4.05	-0.02	-6.96e-03	-0.05	-1.77
34	21	2.51	0.04	-2.05e-03	-11.09	0.0	-17.92	4.72	-0.04	-0.01	0.04	-0.45
		-2.89	-0.08	5.11e-05	0.0	295.7	-14.85	-6.37	-0.04	-0.01	-0.08	-2.89
34	22	3.08	0.04	-2.51e-03	-13.56	0.0	-21.66	5.79	-0.05	-0.01	0.04	-0.57
		-3.50	-0.09	6.20e-05	0.0	295.7	-17.90	-7.77	-0.05	-0.01	-0.09	-3.50
34	23	2.02	0.03	-1.65e-03	-8.94	0.0	-14.54	3.79	-0.03	-8.82e-03	0.03	-0.35
		-2.37	-0.06	4.13e-05	0.0	295.7	-12.06	-5.15	-0.03	-8.82e-03	-0.06	-2.37
34	24	2.59	0.04	-2.11e-03	-11.41	0.0	-18.28	4.86	-0.04	-0.01	0.04	-0.47
		-2.97	-0.08	5.22e-05	0.0	295.7	-15.11	-6.55	-0.04	-0.01	-0.08	-2.97
34	25	2.77	0.04	-2.26e-03	-12.28	0.0	-20.09	5.18	-0.04	-0.01	0.04	-0.46
		-3.29	-0.09	5.69e-05	0.0	295.7	-16.69	-7.10	-0.04	-0.01	-0.09	-3.29
34	26	3.05	0.04	-2.49e-03	-13.52	0.0	-21.96	5.72	-0.05	-0.01	0.04	-0.52
		-3.60	-0.09	6.24e-05	0.0	295.7	-18.22	-7.80	-0.05	-0.01	-0.09	-3.60
34	27	2.28	0.03	-1.86e-03	-10.14	0.0	-16.71	4.26	-0.04	-0.01	0.03	-0.36
		-2.76	-0.07	4.72e-05	0.0	295.7	-13.90	-5.88	-0.04	-0.01	-0.07	-2.76
34	28	2.56	0.04	-2.09e-03	-11.38	0.0	-18.58	4.79	-0.04	-0.01	0.04	-0.42
		-3.07	-0.08	5.26e-05	0.0	295.7	-15.43	-6.58	-0.04	-0.01	-0.08	-3.07
34	29	2.51	0.04	-2.05e-03	-11.09	0.0	-17.92	4.72	-0.04	-0.01	0.04	-0.45
		-2.89	-0.08	5.11e-05	0.0	295.7	-14.85	-6.37	-0.04	-0.01	-0.08	-2.89
34	30	2.80	0.04	-2.28e-03	-12.32	0.0	-19.79	5.25	-0.04	-0.01	0.04	-0.51
		-3.20	-0.09	5.65e-05	0.0	295.7	-16.37	-7.07	-0.04	-0.01	-0.09	-3.20
34	31	2.02	0.03	-1.65e-03	-8.94	0.0	-14.54	3.79	-0.03	-8.82e-03	0.03	-0.35
		-2.37	-0.06	4.13e-05	0.0	295.7	-12.06	-5.15	-0.03	-8.82e-03	-0.06	-2.37
34	32	2.31	0.03	-1.88e-03	-10.18	0.0	-16.41	4.33	-0.04	-9.98e-03	0.03	-0.41
		-2.67	-0.07	4.68e-05	0.0	295.7	-13.59	-5.85	-0.04	-9.98e-03	-0.07	-2.67
34	33	2.51	0.04	-2.05e-03	-11.09	0.0	-17.92	4.72	-0.04	-0.01	0.04	-0.45
		-2.89	-0.08	5.11e-05	0.0	295.7	-14.85	-6.37	-0.04	-0.01	-0.08	-2.89
34	34	2.80	0.04	-2.28e-03	-12.32	0.0	-19.79	5.25	-0.04	-0.01	0.04	-0.51
		-3.20	-0.09	5.65e-05	0.0	295.7	-16.37	-7.07	-0.04	-0.01	-0.09	-3.20
34	35	2.02	0.03	-1.65e-03	-8.94	0.0	-14.54	3.79	-0.03	-8.82e-03	0.03	-0.35
		-2.37	-0.06	4.13e-05	0.0	295.7	-12.06	-5.15	-0.03	-8.82e-03	-0.06	-2.37
34	36	2.31	0.03	-1.88e-03	-10.18	0.0	-16.41	4.33	-0.04	-9.98e-03	0.03	-0.41
		-2.67	-0.07	4.68e-05	0.0	295.7	-13.59	-5.85	-0.04	-9.98e-03	-0.07	-2.67
34	37	2.51	0.04	-2.05e-03	-11.09	0.0	-17.92	4.72	-0.04	-0.01	0.04	-0.45
		-2.89	-0.08	5.11e-05	0.0	295.7	-14.85	-6.37	-0.04	-0.01	-0.08	-2.89
34	38	2.80	0.04	-2.28e-03	-12.32	0.0	-19.79	5.25	-0.04	-0.01	0.04	-0.51
		-3.20	-0.09	5.65e-05	0.0	295.7	-16.37	-7.07	-0.04	-0.01	-0.09	-3.20
34	39	2.02	0.03	-1.65e-03	-8.94	0.0	-14.54	3.79	-0.03	-8.82e-03	0.03	-0.35
		-2.37	-0.06	4.13e-05	0.0	295.7	-12.06	-5.15	-0.03	-8.82e-03	-0.06	-2.37
34	40	2.31	0.03	-1.88e-03	-10.18	0.0	-16.41	4.33	-0.04	-9.98e-03	0.03	-0.41
		-2.67	-0.07	4.68e-05	0.0	295.7	-13.59	-5.85	-0.04	-9.98e-03	-0.07	-2.67
34	41	2.51	0.04	-2.05e-03	-11.09	0.0	-17.92	4.72	-0.04	-0.01	0.04	-0.45
		-2.89	-0.08	5.11e-05	0.0	295.7	-14.85	-6.37	-0.04	-0.01	-0.08	-2.89
34	42	2.80	0.04	-2.28e-03	-12.32	0.0	-19.79	5.25	-0.04	-0.01	0.04	-0.51
		-3.20	-0.09	5.65e-05	0.0	295.7	-16.37	-7.07	-0.04	-0.01	-0.09	-3.20
34	43	2.02	0.03	-1.65e-03	-8.94	0.0	-14.54	3.79	-0.03	-8.82e-03	0.03	-0.35
		-2.37	-0.06	4.13e-05	0.0	295.7	-12.06	-5.15	-0.03	-8.82e-03	-0.06	-2.37
34	44	2.31	0.03	-1.88e-03	-10.18	0.0	-16.41	4.33	-0.04	-9.98e-03	0.03	-0.41
		-2.67	-0.07	4.68e-05	0.0	295.7	-13.59	-5.85	-0.04	-9.98e-03	-0.07	-2.67
34	45	1.64	0.02	-1.34e-03	-7.15	0.0	-11.27	3.09	-0.02	-6.96e-03	0.02	-0.34
		-1.77	-0.05	3.26e-05	0.0	295.7	-9.29	-4.05	-0.02	-6.96e-03	-0.05	-1.77
35	1	0.86	0.03	4.26e-04	-4.92	0.0	-11.60	3.10	0.03	8.20e-03	-0.06	-2.04
		-2.04	-0.06	3.85e-05	0.0	295.7	-12.97	-1.82	0.03	8.20e-03	0.03	-0.14
35	2	0.98	0.03	5.04e-04	-5.75	0.0	-13.75	3.63	0.03	9.74e-03	-0.07	-2.41
		-2.41	-0.07	4.58e-05	0.0	295.7	-15.35	-2.12	0.03	9.74e-03	0.03	-0.17
35	3	1.03	0.03	4.72e-04	-5.72	0.0	-12.83	3.59	0.03	9.03e-03	-0.06	-2.30
		-2.30	-0.06	4.24e-05	0.0	295.7	-14.42	-2.13	0.03	9.03e-03	0.03	-0.14
35	4	1.10	0.03	5.11e-04	-6.13	0.0	-13.91	3.86	0.03	9.80e-03	-0.07	-2.49
		-2.49	-0.07	4.60e-05	0.0	295.7	-15.61	-2.28	0.03	9.80e-03	0.03	-0.16
35	5	0.86	0.03	4.26e-04	-4.92	0.0	-11.60	3.10	0.03	8.20e-03	-0.06	-2.04
		-2.04	-0.06	3.85e-05	0.0	295.7	-12.97	-1.82	0.03	8.20e-03	0.03	-0.14
35	6	0.92	0.03	4.65e-04	-5.34	0.0	-12.68	3.37	0.03	8.97e-03	-0.06	-2.22
		-2.22	-0.06	4.21e-05	0.0	295.7	-14.16	-1.97	0.03	8.97e-03	0.03	-0.15
35	7	0.86	0.03	4.26e-04	-4.92	0.0	-11.60	3.10	0.03	8.20e-03	-0.06	-2.04
		-2.04	-0.06	3.85e-05	0.0	295.7	-12.97	-1.82	0.03	8.20e-03	0.03	-0.14
35	8	0.92	0.03	4.65e-04	-5.34	0.0	-12.68	3.37	0.03	8.97e-03	-0.06	-2.22
		-2.22	-0.06	4.21e-05	0.0	295.7	-14.16	-1.97	0.03	8.97e-03	0.03	-0.15



35	9	0.86	0.03	4.26e-04	-4.92	0.0	-11.60	3.10	0.03	8.20e-03	-0.06	-2.04
		-2.04	-0.06	3.85e-05	0.0	295.7	-12.97	-1.82	0.03	8.20e-03	0.03	-0.14
35	10	0.92	0.03	4.65e-04	-5.34	0.0	-12.68	3.37	0.03	8.97e-03	-0.06	-2.22
		-2.22	-0.06	4.21e-05	0.0	295.7	-14.16	-1.97	0.03	8.97e-03	0.03	-0.15
35	11	0.86	0.03	4.26e-04	-4.92	0.0	-11.60	3.10	0.03	8.20e-03	-0.06	-2.04
		-2.04	-0.06	3.85e-05	0.0	295.7	-12.97	-1.82	0.03	8.20e-03	0.03	-0.14
35	12	0.92	0.03	4.65e-04	-5.34	0.0	-12.68	3.37	0.03	8.97e-03	-0.06	-2.22
		-2.22	-0.06	4.21e-05	0.0	295.7	-14.16	-1.97	0.03	8.97e-03	0.03	-0.15
35	13	0.60	0.02	3.56e-04	-3.73	0.0	-9.76	2.37	0.02	6.96e-03	-0.05	-1.64
		-1.64	-0.05	3.27e-05	0.0	295.7	-10.79	-1.35	0.02	6.96e-03	0.02	-0.13
35	14	0.62	0.02	3.72e-04	-3.89	0.0	-10.19	2.48	0.03	7.27e-03	-0.05	-1.71
		-1.71	-0.05	3.41e-05	0.0	295.7	-11.27	-1.41	0.03	7.27e-03	0.02	-0.14
35	15	0.68	0.02	3.79e-04	-4.13	0.0	-10.38	2.62	0.03	7.37e-03	-0.05	-1.77
		-1.77	-0.05	3.46e-05	0.0	295.7	-11.52	-1.51	0.03	7.37e-03	0.02	-0.13
35	16	0.60	0.02	3.56e-04	-3.73	0.0	-9.76	2.37	0.02	6.96e-03	-0.05	-1.64
		-1.64	-0.05	3.27e-05	0.0	295.7	-10.79	-1.35	0.02	6.96e-03	0.02	-0.13
35	17	0.60	0.02	3.56e-04	-3.73	0.0	-9.76	2.37	0.02	6.96e-03	-0.05	-1.64
		-1.64	-0.05	3.27e-05	0.0	295.7	-10.79	-1.35	0.02	6.96e-03	0.02	-0.13
35	18	0.60	0.02	3.56e-04	-3.73	0.0	-9.76	2.37	0.02	6.96e-03	-0.05	-1.64
		-1.64	-0.05	3.27e-05	0.0	295.7	-10.79	-1.35	0.02	6.96e-03	0.02	-0.13
35	19	0.60	0.02	3.56e-04	-3.73	0.0	-9.76	2.37	0.02	6.96e-03	-0.05	-1.64
		-1.64	-0.05	3.27e-05	0.0	295.7	-10.79	-1.35	0.02	6.96e-03	0.02	-0.13
35	20	0.60	0.02	3.56e-04	-3.73	0.0	-9.76	2.37	0.02	6.96e-03	-0.05	-1.64
		-1.64	-0.05	3.27e-05	0.0	295.7	-10.79	-1.35	0.02	6.96e-03	0.02	-0.13
35	21	1.17	0.04	5.67e-04	-6.64	0.0	-15.45	4.18	0.04	0.01	-0.08	-2.73
		-2.73	-0.08	5.12e-05	0.0	295.7	-17.30	-2.46	0.04	0.01	0.04	-0.18
35	22	1.36	0.04	6.85e-04	-7.88	0.0	-18.68	4.97	0.05	0.01	-0.09	-3.29
		-3.29	-0.09	6.21e-05	0.0	295.7	-20.86	-2.90	0.05	0.01	0.04	-0.22
35	23	0.99	0.03	4.61e-04	-5.52	0.0	-12.53	3.47	0.03	8.82e-03	-0.06	-2.24
		-2.24	-0.06	4.14e-05	0.0	295.7	-14.06	-2.05	0.03	8.82e-03	0.03	-0.14
35	24	1.18	0.04	5.78e-04	-6.76	0.0	-15.75	4.26	0.04	0.01	-0.08	-2.79
		-2.79	-0.08	5.23e-05	0.0	295.7	-17.62	-2.50	0.04	0.01	0.04	-0.18
35	25	1.43	0.04	6.37e-04	-7.84	0.0	-17.30	4.91	0.04	0.01	-0.09	-3.13
		-3.13	-0.09	5.71e-05	0.0	295.7	-19.47	-2.92	0.04	0.01	0.04	-0.18
35	26	1.52	0.04	6.96e-04	-8.46	0.0	-18.91	5.31	0.05	0.01	-0.09	-3.41
		-3.41	-0.09	6.25e-05	0.0	295.7	-21.25	-3.15	0.05	0.01	0.04	-0.21
35	27	1.25	0.03	5.30e-04	-6.72	0.0	-14.37	4.20	0.04	0.01	-0.07	-2.64
		-2.64	-0.07	4.73e-05	0.0	295.7	-16.23	-2.52	0.04	0.01	0.03	-0.14
35	28	1.35	0.04	5.89e-04	-7.34	0.0	-15.98	4.60	0.04	0.01	-0.08	-2.92
		-2.92	-0.08	5.27e-05	0.0	295.7	-18.02	-2.74	0.04	0.01	0.04	-0.17
35	29	1.17	0.04	5.67e-04	-6.64	0.0	-15.45	4.18	0.04	0.01	-0.08	-2.73
		-2.73	-0.08	5.12e-05	0.0	295.7	-17.30	-2.46	0.04	0.01	0.04	-0.18
35	30	1.26	0.04	6.26e-04	-7.26	0.0	-17.07	4.58	0.04	0.01	-0.09	-3.01
		-3.01	-0.09	5.67e-05	0.0	295.7	-19.08	-2.68	0.04	0.01	0.04	-0.20
35	31	0.99	0.03	4.61e-04	-5.52	0.0	-12.53	3.47	0.03	8.82e-03	-0.06	-2.24
		-2.24	-0.06	4.14e-05	0.0	295.7	-14.06	-2.05	0.03	8.82e-03	0.03	-0.14
35	32	1.08	0.03	5.19e-04	-6.14	0.0	-14.14	3.87	0.04	9.98e-03	-0.07	-2.52
		-2.52	-0.07	4.69e-05	0.0	295.7	-15.84	-2.27	0.04	9.98e-03	0.03	-0.16
35	33	1.17	0.04	5.67e-04	-6.64	0.0	-15.45	4.18	0.04	0.01	-0.08	-2.73
		-2.73	-0.08	5.12e-05	0.0	295.7	-17.30	-2.46	0.04	0.01	0.04	-0.18
35	34	1.26	0.04	6.26e-04	-7.26	0.0	-17.07	4.58	0.04	0.01	-0.09	-3.01
		-3.01	-0.09	5.67e-05	0.0	295.7	-19.08	-2.68	0.04	0.01	0.04	-0.20
35	35	0.99	0.03	4.61e-04	-5.52	0.0	-12.53	3.47	0.03	8.82e-03	-0.06	-2.24
		-2.24	-0.06	4.14e-05	0.0	295.7	-14.06	-2.05	0.03	8.82e-03	0.03	-0.14
35	36	1.08	0.03	5.19e-04	-6.14	0.0	-14.14	3.87	0.04	9.98e-03	-0.07	-2.52
		-2.52	-0.07	4.69e-05	0.0	295.7	-15.84	-2.27	0.04	9.98e-03	0.03	-0.16
35	37	1.17	0.04	5.67e-04	-6.64	0.0	-15.45	4.18	0.04	0.01	-0.08	-2.73
		-2.73	-0.08	5.12e-05	0.0	295.7	-17.30	-2.46	0.04	0.01	0.04	-0.18
35	38	1.26	0.04	6.26e-04	-7.26	0.0	-17.07	4.58	0.04	0.01	-0.09	-3.01
		-3.01	-0.09	5.67e-05	0.0	295.7	-19.08	-2.68	0.04	0.01	0.04	-0.20
35	39	0.99	0.03	4.61e-04	-5.52	0.0	-12.53	3.47	0.03	8.82e-03	-0.06	-2.24
		-2.24	-0.06	4.14e-05	0.0	295.7	-14.06	-2.05	0.03	8.82e-03	0.03	-0.14
35	40	1.08	0.03	5.19e-04	-6.14	0.0	-14.14	3.87	0.04	9.98e-03	-0.07	-2.52
		-2.52	-0.07	4.69e-05	0.0	295.7	-15.84	-2.27	0.04	9.98e-03	0.03	-0.16
35	41	1.17	0.04	5.67e-04	-6.64	0.0	-15.45	4.18	0.04	0.01	-0.08	-2.73
		-2.73	-0.08	5.12e-05	0.0	295.7	-17.30	-2.46	0.04	0.01	0.04	-0.18
35	42	1.26	0.04	6.26e-04	-7.26	0.0	-17.07	4.58	0.04	0.01	-0.09	-3.01
		-3.01	-0.09	5.67e-05	0.0	295.7	-19.08	-2.68	0.04	0.01	0.04	-0.20
35	43	0.99	0.03	4.61e-04	-5.52	0.0	-12.53	3.47	0.03	8.82e-03	-0.06	-2.24
		-2.24	-0.06	4.14e-05	0.0	295.7	-14.06	-2.05	0.03	8.82e-03	0.03	-0.14
35	44	1.08	0.03	5.19e-04	-6.14	0.0	-14.14	3.87	0.04	9.98e-03	-0.07	-2.52
		-2.52	-0.07	4.69e-05	0.0	295.7	-15.84	-2.27	0.04	9.98e-03	0.03	-0.16
35	45	0.60	0.02	3.56e-04	-3.73	0.0	-9.76	2.37	0.02	6.96e-03	-0.05	-1.64
		-1.64	-0.05	3.27e-05	0.0	295.7	-10.79	-1.35	0.02	6.96e-03	0.02	-0.13
36	1	0.0	0.0	3.23e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	2	0.0	0.0	3.67e-04	-1.55	0.0	0.19	1.55	0.0	0.0	0.0	-0.39



36	3	-0.39	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.97e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	4	0.0	0.0	4.19e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	5	0.0	0.0	3.23e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	6	0.0	0.0	3.45e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	7	0.0	0.0	3.23e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	8	0.0	0.0	3.45e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	9	0.0	0.0	3.23e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	10	0.0	0.0	3.45e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	11	0.0	0.0	3.23e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	12	0.0	0.0	3.45e-04	-1.40	0.0	0.17	1.40	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	13	0.0	0.0	2.12e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	14	0.0	0.0	2.21e-04	-1.31	0.0	0.16	1.31	0.0	0.0	0.0	-0.33
		-0.33	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	15	0.0	0.0	2.49e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	16	0.0	0.0	2.12e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	17	0.0	0.0	2.12e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	18	0.0	0.0	2.12e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	19	0.0	0.0	2.12e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	20	0.0	0.0	2.12e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	21	0.0	0.0	4.42e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	22	0.0	0.0	5.08e-04	-2.08	0.0	0.25	2.08	0.0	0.0	0.0	-0.52
		-0.52	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	23	0.0	0.0	3.78e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	24	0.0	0.0	4.44e-04	-1.70	0.0	0.20	1.70	0.0	0.0	0.0	-0.43
		-0.43	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	25	0.0	0.0	5.53e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	26	0.0	0.0	5.86e-04	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	27	0.0	0.0	4.89e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	28	0.0	0.0	5.22e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	29	0.0	0.0	4.42e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	30	0.0	0.0	4.75e-04	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	31	0.0	0.0	3.78e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	32	0.0	0.0	4.11e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	33	0.0	0.0	4.42e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	34	0.0	0.0	4.75e-04	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	35	0.0	0.0	3.78e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	36	0.0	0.0	4.11e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	37	0.0	0.0	4.42e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	38	0.0	0.0	4.75e-04	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	39	0.0	0.0	3.78e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	40	0.0	0.0	4.11e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0



36	41	0.0	0.0	4.42e-04	-1.63	0.0	0.20	1.63	0.0	0.0	0.0	-0.41
		-0.41	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	42	0.0	0.0	4.75e-04	-1.85	0.0	0.22	1.85	0.0	0.0	0.0	-0.47
		-0.47	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	43	0.0	0.0	3.78e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	44	0.0	0.0	4.11e-04	-1.48	0.0	0.18	1.48	0.0	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
36	45	0.0	0.0	2.12e-04	-1.25	0.0	0.15	1.25	0.0	0.0	0.0	-0.32
		-0.32	0.0	0.0	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
37	1	0.0	0.0	-7.10e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	1.85e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	2	0.0	0.0	-8.52e-04	-0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.20	0.0	2.20e-06	0.0	50.4	0.10	-0.80	0.0	0.0	0.0	-0.20
37	3	0.0	0.0	-7.76e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	2.06e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	4	0.0	0.0	-8.47e-04	-0.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.18	0.0	2.24e-06	0.0	50.4	0.09	-0.73	0.0	0.0	0.0	-0.18
37	5	0.0	0.0	-7.10e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	1.85e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	6	0.0	0.0	-7.81e-04	-0.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.18	0.0	2.03e-06	0.0	50.4	0.09	-0.73	0.0	0.0	0.0	-0.18
37	7	0.0	0.0	-7.10e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	1.85e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	8	0.0	0.0	-7.81e-04	-0.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.18	0.0	2.03e-06	0.0	50.4	0.09	-0.73	0.0	0.0	0.0	-0.18
37	9	0.0	0.0	-7.10e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	1.85e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	10	0.0	0.0	-7.81e-04	-0.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.18	0.0	2.03e-06	0.0	50.4	0.09	-0.73	0.0	0.0	0.0	-0.18
37	11	0.0	0.0	-7.10e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	1.85e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	12	0.0	0.0	-7.81e-04	-0.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.18	0.0	2.03e-06	0.0	50.4	0.09	-0.73	0.0	0.0	0.0	-0.18
37	13	0.0	0.0	-6.11e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	1.53e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	14	0.0	0.0	-6.40e-04	-0.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.17	0.0	1.60e-06	0.0	50.4	0.08	-0.68	0.0	0.0	0.0	-0.17
37	15	0.0	0.0	-6.44e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	1.64e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	16	0.0	0.0	-6.11e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	1.53e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	17	0.0	0.0	-6.11e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	1.53e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	18	0.0	0.0	-6.11e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	1.53e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	19	0.0	0.0	-6.11e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	1.53e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	20	0.0	0.0	-6.11e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	1.53e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	21	0.0	0.0	-9.43e-04	-0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.21	0.0	2.47e-06	0.0	50.4	0.10	-0.85	0.0	0.0	0.0	-0.21
37	22	0.0	0.0	-1.16e-03	-1.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.27	0.0	3.00e-06	0.0	50.4	0.13	-1.07	0.0	0.0	0.0	-0.27
37	23	0.0	0.0	-7.60e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	2.01e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	24	0.0	0.0	-9.72e-04	-0.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.22	0.0	2.54e-06	0.0	50.4	0.11	-0.88	0.0	0.0	0.0	-0.22
37	25	0.0	0.0	-1.04e-03	-0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.21	0.0	2.78e-06	0.0	50.4	0.10	-0.85	0.0	0.0	0.0	-0.21
37	26	0.0	0.0	-1.15e-03	-0.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.24	0.0	3.05e-06	0.0	50.4	0.12	-0.96	0.0	0.0	0.0	-0.24
37	27	0.0	0.0	-8.59e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	2.32e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	28	0.0	0.0	-9.65e-04	-0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.19	0.0	2.59e-06	0.0	50.4	0.09	-0.77	0.0	0.0	0.0	-0.19
37	29	0.0	0.0	-9.43e-04	-0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.21	0.0	2.47e-06	0.0	50.4	0.10	-0.85	0.0	0.0	0.0	-0.21
37	30	0.0	0.0	-1.05e-03	-0.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.24	0.0	2.73e-06	0.0	50.4	0.12	-0.96	0.0	0.0	0.0	-0.24
37	31	0.0	0.0	-7.60e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	2.01e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	32	0.0	0.0	-8.66e-04	-0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.19	0.0	2.27e-06	0.0	50.4	0.09	-0.77	0.0	0.0	0.0	-0.19
37	33	0.0	0.0	-9.43e-04	-0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.21	0.0	2.47e-06	0.0	50.4	0.10	-0.85	0.0	0.0	0.0	-0.21
37	34	0.0	0.0	-1.05e-03	-0.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0



37	35	-0.24	0.0	2.73e-06	0.0	50.4	0.12	-0.96	0.0	0.0	0.0	-0.24
		0.0	0.0	-7.60e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	2.01e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	36	0.0	0.0	-8.66e-04	-0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.19	0.0	2.27e-06	0.0	50.4	0.09	-0.77	0.0	0.0	0.0	-0.19
37	37	0.0	0.0	-9.43e-04	-0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.21	0.0	2.47e-06	0.0	50.4	0.10	-0.85	0.0	0.0	0.0	-0.21
37	38	0.0	0.0	-1.05e-03	-0.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.24	0.0	2.73e-06	0.0	50.4	0.12	-0.96	0.0	0.0	0.0	-0.24
37	39	0.0	0.0	-7.60e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	2.01e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	40	0.0	0.0	-8.66e-04	-0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.19	0.0	2.27e-06	0.0	50.4	0.09	-0.77	0.0	0.0	0.0	-0.19
37	41	0.0	0.0	-9.43e-04	-0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.21	0.0	2.47e-06	0.0	50.4	0.10	-0.85	0.0	0.0	0.0	-0.21
37	42	0.0	0.0	-1.05e-03	-0.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.24	0.0	2.73e-06	0.0	50.4	0.12	-0.96	0.0	0.0	0.0	-0.24
37	43	0.0	0.0	-7.60e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	2.01e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
37	44	0.0	0.0	-8.66e-04	-0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.19	0.0	2.27e-06	0.0	50.4	0.09	-0.77	0.0	0.0	0.0	-0.19
37	45	0.0	0.0	-6.11e-04	-0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-0.16	0.0	1.53e-06	0.0	50.4	0.08	-0.65	0.0	0.0	0.0	-0.16
38	1	1.93	0.04	-1.35e-03	-8.34	0.0	-1.16	3.42	-0.04	-0.01	0.04	-0.14
		-2.36	-0.08	5.14e-05	0.0	295.7	1.16	-4.92	-0.04	-0.01	-0.08	-2.36
38	2	2.31	0.04	-1.63e-03	-9.99	0.0	-1.38	4.11	-0.04	-0.01	0.04	-0.18
		-2.79	-0.09	6.09e-05	0.0	295.7	1.38	-5.88	-0.04	-0.01	-0.09	-2.79
38	3	2.09	0.04	-1.46e-03	-9.14	0.0	-1.27	3.72	-0.04	-0.01	0.04	-0.13
		-2.65	-0.08	5.70e-05	0.0	295.7	1.27	-5.42	-0.04	-0.01	-0.08	-2.65
38	4	2.29	0.04	-1.60e-03	-9.97	0.0	-1.38	4.06	-0.05	-0.01	0.04	-0.15
		-2.87	-0.09	6.17e-05	0.0	295.7	1.38	-5.90	-0.05	-0.01	-0.09	-2.87
38	5	1.93	0.04	-1.35e-03	-8.34	0.0	-1.16	3.42	-0.04	-0.01	0.04	-0.14
		-2.36	-0.08	5.14e-05	0.0	295.7	1.16	-4.92	-0.04	-0.01	-0.08	-2.36
38	6	2.12	0.04	-1.49e-03	-9.17	0.0	-1.27	3.77	-0.04	-0.01	0.04	-0.16
		-2.58	-0.08	5.62e-05	0.0	295.7	1.27	-5.40	-0.04	-0.01	-0.08	-2.58
38	7	1.93	0.04	-1.35e-03	-8.34	0.0	-1.16	3.42	-0.04	-0.01	0.04	-0.14
		-2.36	-0.08	5.14e-05	0.0	295.7	1.16	-4.92	-0.04	-0.01	-0.08	-2.36
38	8	2.12	0.04	-1.49e-03	-9.17	0.0	-1.27	3.77	-0.04	-0.01	0.04	-0.16
		-2.58	-0.08	5.62e-05	0.0	295.7	1.27	-5.40	-0.04	-0.01	-0.08	-2.58
38	9	1.93	0.04	-1.35e-03	-8.34	0.0	-1.16	3.42	-0.04	-0.01	0.04	-0.14
		-2.36	-0.08	5.14e-05	0.0	295.7	1.16	-4.92	-0.04	-0.01	-0.08	-2.36
38	10	2.12	0.04	-1.49e-03	-9.17	0.0	-1.27	3.77	-0.04	-0.01	0.04	-0.16
		-2.58	-0.08	5.62e-05	0.0	295.7	1.27	-5.40	-0.04	-0.01	-0.08	-2.58
38	11	1.93	0.04	-1.35e-03	-8.34	0.0	-1.16	3.42	-0.04	-0.01	0.04	-0.14
		-2.36	-0.08	5.14e-05	0.0	295.7	1.16	-4.92	-0.04	-0.01	-0.08	-2.36
38	12	2.12	0.04	-1.49e-03	-9.17	0.0	-1.27	3.77	-0.04	-0.01	0.04	-0.16
		-2.58	-0.08	5.62e-05	0.0	295.7	1.27	-5.40	-0.04	-0.01	-0.08	-2.58
38	13	1.67	0.03	-1.18e-03	-7.15	0.0	-0.99	2.98	-0.03	-9.05e-03	0.03	-0.15
		-1.92	-0.06	4.30e-05	0.0	295.7	0.99	-4.17	-0.03	-9.05e-03	-0.06	-1.92
38	14	1.75	0.03	-1.24e-03	-7.48	0.0	-1.04	3.11	-0.03	-9.44e-03	0.03	-0.16
		-2.01	-0.07	4.49e-05	0.0	295.7	1.04	-4.36	-0.03	-9.44e-03	-0.07	-2.01
38	15	1.76	0.03	-1.24e-03	-7.55	0.0	-1.05	3.12	-0.03	-9.64e-03	0.03	-0.15
		-2.07	-0.07	4.58e-05	0.0	295.7	1.05	-4.42	-0.03	-9.64e-03	-0.07	-2.07
38	16	1.67	0.03	-1.18e-03	-7.15	0.0	-0.99	2.98	-0.03	-9.05e-03	0.03	-0.15
		-1.92	-0.06	4.30e-05	0.0	295.7	0.99	-4.17	-0.03	-9.05e-03	-0.06	-1.92
38	17	1.67	0.03	-1.18e-03	-7.15	0.0	-0.99	2.98	-0.03	-9.05e-03	0.03	-0.15
		-1.92	-0.06	4.30e-05	0.0	295.7	0.99	-4.17	-0.03	-9.05e-03	-0.06	-1.92
38	18	1.67	0.03	-1.18e-03	-7.15	0.0	-0.99	2.98	-0.03	-9.05e-03	0.03	-0.15
		-1.92	-0.06	4.30e-05	0.0	295.7	0.99	-4.17	-0.03	-9.05e-03	-0.06	-1.92
38	19	1.67	0.03	-1.18e-03	-7.15	0.0	-0.99	2.98	-0.03	-9.05e-03	0.03	-0.15
		-1.92	-0.06	4.30e-05	0.0	295.7	0.99	-4.17	-0.03	-9.05e-03	-0.06	-1.92
38	20	1.67	0.03	-1.18e-03	-7.15	0.0	-0.99	2.98	-0.03	-9.05e-03	0.03	-0.15
		-1.92	-0.06	4.30e-05	0.0	295.7	0.99	-4.17	-0.03	-9.05e-03	-0.06	-1.92
38	21	2.55	0.05	-1.79e-03	-11.09	0.0	-1.54	4.54	-0.05	-0.01	0.05	-0.18
		-3.15	-0.10	6.85e-05	0.0	295.7	1.54	-6.55	-0.05	-0.01	-0.10	-3.15
38	22	3.14	0.06	-2.20e-03	-13.56	0.0	-1.88	5.57	-0.06	-0.02	0.06	-0.23
		-3.81	-0.12	8.27e-05	0.0	295.7	1.88	-7.99	-0.06	-0.02	-0.12	-3.81
38	23	2.05	0.04	-1.44e-03	-8.94	0.0	-1.24	3.65	-0.04	-0.01	0.04	-0.13
		-2.58	-0.08	5.56e-05	0.0	295.7	1.24	-5.30	-0.04	-0.01	-0.08	-2.58
38	24	2.63	0.05	-1.85e-03	-11.41	0.0	-1.58	4.68	-0.05	-0.01	0.05	-0.19
		-3.23	-0.10	6.98e-05	0.0	295.7	1.58	-6.74	-0.05	-0.01	-0.10	-3.23
38	25	2.81	0.05	-1.96e-03	-12.28	0.0	-1.70	4.99	-0.06	-0.02	0.05	-0.17
		-3.59	-0.11	7.69e-05	0.0	295.7	1.70	-7.30	-0.06	-0.02	-0.11	-3.59
38	26	3.10	0.06	-2.16e-03	-13.52	0.0	-1.87	5.50	-0.06	-0.02	0.06	-0.20
		-3.92	-0.12	8.40e-05	0.0	295.7	1.87	-8.02	-0.06	-0.02	-0.12	-3.92
38	27	2.31	0.04	-1.60e-03	-10.14	0.0	-1.41	4.09	-0.05	-0.01	0.04	-0.12
		-3.01	-0.10	6.40e-05	0.0	295.7	1.41	-6.05	-0.05	-0.01	-0.10	-3.01



38	28	2.60	0.05	-1.81e-03	-11.38	0.0	-1.58	4.61	-0.05	-0.01	0.05	-0.15
		-3.34	-0.11	7.11e-05	0.0	295.7	1.58	-6.77	-0.05	-0.01	-0.11	-3.34
38	29	2.55	0.05	-1.79e-03	-11.09	0.0	-1.54	4.54	-0.05	-0.01	0.05	-0.18
		-3.15	-0.10	6.85e-05	0.0	295.7	1.54	-6.55	-0.05	-0.01	-0.10	-3.15
38	30	2.84	0.05	-2.00e-03	-12.32	0.0	-1.71	5.05	-0.06	-0.02	0.05	-0.21
		-3.48	-0.11	7.56e-05	0.0	295.7	1.71	-7.27	-0.06	-0.02	-0.11	-3.48
38	31	2.05	0.04	-1.44e-03	-8.94	0.0	-1.24	3.65	-0.04	-0.01	0.04	-0.13
		-2.58	-0.08	5.56e-05	0.0	295.7	1.24	-5.30	-0.04	-0.01	-0.08	-2.58
38	32	2.34	0.04	-1.64e-03	-10.18	0.0	-1.41	4.16	-0.05	-0.01	0.04	-0.16
		-2.90	-0.09	6.27e-05	0.0	295.7	1.41	-6.02	-0.05	-0.01	-0.09	-2.90
38	33	2.55	0.05	-1.79e-03	-11.09	0.0	-1.54	4.54	-0.05	-0.01	0.05	-0.18
		-3.15	-0.10	6.85e-05	0.0	295.7	1.54	-6.55	-0.05	-0.01	-0.10	-3.15
38	34	2.84	0.05	-2.00e-03	-12.32	0.0	-1.71	5.05	-0.06	-0.02	0.05	-0.21
		-3.48	-0.11	7.56e-05	0.0	295.7	1.71	-7.27	-0.06	-0.02	-0.11	-3.48
38	35	2.05	0.04	-1.44e-03	-8.94	0.0	-1.24	3.65	-0.04	-0.01	0.04	-0.13
		-2.58	-0.08	5.56e-05	0.0	295.7	1.24	-5.30	-0.04	-0.01	-0.08	-2.58
38	36	2.34	0.04	-1.64e-03	-10.18	0.0	-1.41	4.16	-0.05	-0.01	0.04	-0.16
		-2.90	-0.09	6.27e-05	0.0	295.7	1.41	-6.02	-0.05	-0.01	-0.09	-2.90
38	37	2.55	0.05	-1.79e-03	-11.09	0.0	-1.54	4.54	-0.05	-0.01	0.05	-0.18
		-3.15	-0.10	6.85e-05	0.0	295.7	1.54	-6.55	-0.05	-0.01	-0.10	-3.15
38	38	2.84	0.05	-2.00e-03	-12.32	0.0	-1.71	5.05	-0.06	-0.02	0.05	-0.21
		-3.48	-0.11	7.56e-05	0.0	295.7	1.71	-7.27	-0.06	-0.02	-0.11	-3.48
38	39	2.05	0.04	-1.44e-03	-8.94	0.0	-1.24	3.65	-0.04	-0.01	0.04	-0.13
		-2.58	-0.08	5.56e-05	0.0	295.7	1.24	-5.30	-0.04	-0.01	-0.08	-2.58
38	40	2.34	0.04	-1.64e-03	-10.18	0.0	-1.41	4.16	-0.05	-0.01	0.04	-0.16
		-2.90	-0.09	6.27e-05	0.0	295.7	1.41	-6.02	-0.05	-0.01	-0.09	-2.90
38	41	2.55	0.05	-1.79e-03	-11.09	0.0	-1.54	4.54	-0.05	-0.01	0.05	-0.18
		-3.15	-0.10	6.85e-05	0.0	295.7	1.54	-6.55	-0.05	-0.01	-0.10	-3.15
38	42	2.84	0.05	-2.00e-03	-12.32	0.0	-1.71	5.05	-0.06	-0.02	0.05	-0.21
		-3.48	-0.11	7.56e-05	0.0	295.7	1.71	-7.27	-0.06	-0.02	-0.11	-3.48
38	43	2.05	0.04	-1.44e-03	-8.94	0.0	-1.24	3.65	-0.04	-0.01	0.04	-0.13
		-2.58	-0.08	5.56e-05	0.0	295.7	1.24	-5.30	-0.04	-0.01	-0.08	-2.58
38	44	2.34	0.04	-1.64e-03	-10.18	0.0	-1.41	4.16	-0.05	-0.01	0.04	-0.16
		-2.90	-0.09	6.27e-05	0.0	295.7	1.41	-6.02	-0.05	-0.01	-0.09	-2.90
38	45	1.67	0.03	-1.18e-03	-7.15	0.0	-0.99	2.98	-0.03	-9.05e-03	0.03	-0.15
		-1.92	-0.06	4.30e-05	0.0	295.7	0.99	-4.17	-0.03	-9.05e-03	-0.06	-1.92
39	1	0.79	0.04	-4.25e-04	-4.92	0.0	0.68	3.23	0.04	0.01	0.04	-2.33
		-2.33	-0.08	5.14e-05	0.0	295.7	-0.68	-1.70	0.04	0.01	0.04	-0.07
39	2	0.91	0.04	-4.77e-04	-5.75	0.0	0.80	3.78	0.04	0.01	-0.09	-2.75
		-2.75	-0.09	6.08e-05	0.0	295.7	-0.80	-1.97	0.04	0.01	0.04	-0.08
39	3	0.97	0.04	-5.34e-04	-5.72	0.0	0.79	3.73	0.04	0.01	-0.08	-2.62
		-2.62	-0.08	5.70e-05	0.0	295.7	-0.79	-2.00	0.04	0.01	0.04	-0.06
39	4	1.02	0.04	-5.61e-04	-6.13	0.0	0.85	4.00	0.05	0.01	-0.09	-2.83
		-2.83	-0.09	6.17e-05	0.0	295.7	-0.85	-2.13	0.05	0.01	0.04	-0.07
39	5	0.79	0.04	-4.25e-04	-4.92	0.0	0.68	3.23	0.04	0.01	-0.08	-2.33
		-2.33	-0.08	5.14e-05	0.0	295.7	-0.68	-1.70	0.04	0.01	0.04	-0.07
39	6	0.85	0.04	-4.51e-04	-5.34	0.0	0.74	3.50	0.04	0.01	-0.08	-2.54
		-2.54	-0.08	5.61e-05	0.0	295.7	-0.74	-1.83	0.04	0.01	0.04	-0.08
39	7	0.79	0.04	-4.25e-04	-4.92	0.0	0.68	3.23	0.04	0.01	-0.08	-2.33
		-2.33	-0.08	5.14e-05	0.0	295.7	-0.68	-1.70	0.04	0.01	0.04	-0.07
39	8	0.85	0.04	-4.51e-04	-5.34	0.0	0.74	3.50	0.04	0.01	-0.08	-2.54
		-2.54	-0.08	5.61e-05	0.0	295.7	-0.74	-1.83	0.04	0.01	0.04	-0.08
39	9	0.79	0.04	-4.25e-04	-4.92	0.0	0.68	3.23	0.04	0.01	-0.08	-2.33
		-2.33	-0.08	5.14e-05	0.0	295.7	-0.68	-1.70	0.04	0.01	0.04	-0.07
39	10	0.85	0.04	-4.51e-04	-5.34	0.0	0.74	3.50	0.04	0.01	-0.08	-2.54
		-2.54	-0.08	5.61e-05	0.0	295.7	-0.74	-1.83	0.04	0.01	0.04	-0.08
39	11	0.79	0.04	-4.25e-04	-4.92	0.0	0.68	3.23	0.04	0.01	-0.08	-2.33
		-2.33	-0.08	5.14e-05	0.0	295.7	-0.68	-1.70	0.04	0.01	0.04	-0.07
39	12	0.85	0.04	-4.51e-04	-5.34	0.0	0.74	3.50	0.04	0.01	-0.08	-2.54
		-2.54	-0.08	5.61e-05	0.0	295.7	-0.74	-1.83	0.04	0.01	0.04	-0.08
39	13	0.54	0.03	-2.60e-04	-3.73	0.0	0.52	2.48	0.03	9.05e-03	-0.06	-1.89
		-1.89	-0.06	4.30e-05	0.0	295.7	-0.52	-1.25	0.03	9.05e-03	0.03	-0.08
39	14	0.56	0.03	-2.71e-04	-3.89	0.0	0.54	2.59	0.03	9.45e-03	-0.07	-1.97
		-1.97	-0.07	4.49e-05	0.0	295.7	-0.54	-1.31	0.03	9.45e-03	0.03	-0.08
39	15	0.62	0.03	-3.15e-04	-4.13	0.0	0.57	2.73	0.03	9.64e-03	-0.07	-2.03
		-2.03	-0.07	4.58e-05	0.0	295.7	-0.57	-1.40	0.03	9.64e-03	0.03	-0.07
39	16	0.54	0.03	-2.60e-04	-3.73	0.0	0.52	2.48	0.03	9.05e-03	-0.06	-1.89
		-1.89	-0.06	4.30e-05	0.0	295.7	-0.52	-1.25	0.03	9.05e-03	0.03	-0.08
39	17	0.54	0.03	-2.60e-04	-3.73	0.0	0.52	2.48	0.03	9.05e-03	-0.06	-1.89
		-1.89	-0.06	4.30e-05	0.0	295.7	-0.52	-1.25	0.03	9.05e-03	0.03	-0.08
39	18	0.54	0.03	-2.60e-04	-3.73	0.0	0.52	2.48	0.03	9.05e-03	-0.06	-1.89
		-1.89	-0.06	4.30e-05	0.0	295.7	-0.52	-1.25	0.03	9.05e-03	0.03	-0.08
39	19	0.54	0.03	-2.60e-04	-3.73	0.0	0.52	2.48	0.03	9.05e-03	-0.06	-1.89
		-1.89	-0.06	4.30e-05	0.0	295.7	-0.52	-1.25	0.03	9.05e-03	0.03	-0.08
39	20	0.54	0.03	-2.60e-04	-3.73	0.0	0.52	2.48	0.03	9.05e-03	-0.06	-1.89
		-1.89	-0.06	4.30e-05	0.0	295.7	-0.52	-1.25	0.03	9.05e-03	0.03	-0.08
39	21	1.08	0.05	-5.85e-04	-6.64	0.0	0.92	4.34	0.05	0.01	-0.10	-3.11



39	22	-3.11	-0.10	6.85e-05	0.0	295.7	-0.92	-2.30	0.05	0.01	0.05	-0.08
		1.25	0.06	-6.64e-04	-7.88	0.0	1.09	5.17	0.06	0.02	-0.12	-3.75
		-3.75	-0.12	8.27e-05	0.0	295.7	-1.09	-2.71	0.06	0.02	0.06	-0.11
39	23	0.92	0.04	-5.07e-04	-5.52	0.0	0.77	3.60	0.04	0.01	-0.08	-2.54
		-2.54	-0.08	5.56e-05	0.0	295.7	-0.77	-1.92	0.04	0.01	0.04	-0.06
39	24	1.09	0.05	-5.86e-04	-6.76	0.0	0.94	4.43	0.05	0.01	-0.10	-3.19
		-3.19	-0.10	6.98e-05	0.0	295.7	-0.94	-2.33	0.05	0.01	0.05	-0.09
39	25	1.34	0.05	-7.49e-04	-7.84	0.0	1.09	5.09	0.06	0.02	-0.11	-3.55
		-3.55	-0.11	7.69e-05	0.0	295.7	-1.09	-2.74	0.06	0.02	0.05	-0.07
39	26	1.43	0.06	-7.89e-04	-8.46	0.0	1.17	5.51	0.06	0.02	-0.12	-3.87
		-3.87	-0.12	8.40e-05	0.0	295.7	-1.17	-2.95	0.06	0.02	0.06	-0.09
39	27	1.18	0.04	-6.71e-04	-6.72	0.0	0.93	4.35	0.05	0.01	-0.10	-2.98
		-2.98	-0.10	6.40e-05	0.0	295.7	-0.93	-2.37	0.05	0.01	0.04	-0.05
39	28	1.27	0.05	-7.11e-04	-7.34	0.0	1.02	4.76	0.05	0.01	-0.11	-3.30
		-3.30	-0.11	7.11e-05	0.0	295.7	-1.02	-2.57	0.05	0.01	0.05	-0.06
39	29	1.08	0.05	-5.85e-04	-6.64	0.0	0.92	4.34	0.05	0.01	-0.10	-3.11
		-3.11	-0.10	6.85e-05	0.0	295.7	-0.92	-2.30	0.05	0.01	0.05	-0.08
39	30	1.17	0.05	-6.24e-04	-7.26	0.0	1.01	4.76	0.06	0.02	-0.11	-3.43
		-3.43	-0.11	7.56e-05	0.0	295.7	-1.01	-2.50	0.06	0.02	0.05	-0.10
39	31	0.92	0.04	-5.07e-04	-5.52	0.0	0.77	3.60	0.04	0.01	-0.08	-2.54
		-2.54	-0.08	5.56e-05	0.0	295.7	-0.77	-1.92	0.04	0.01	0.04	-0.06
39	32	1.01	0.04	-5.46e-04	-6.14	0.0	0.85	4.01	0.05	0.01	-0.09	-2.87
		-2.87	-0.09	6.27e-05	0.0	295.7	-0.85	-2.13	0.05	0.01	0.04	-0.07
39	33	1.08	0.05	-5.85e-04	-6.64	0.0	0.92	4.34	0.05	0.01	-0.10	-3.11
		-3.11	-0.10	6.85e-05	0.0	295.7	-0.92	-2.30	0.05	0.01	0.05	-0.08
39	34	1.17	0.05	-6.24e-04	-7.26	0.0	1.01	4.76	0.06	0.02	-0.11	-3.43
		-3.43	-0.11	7.56e-05	0.0	295.7	-1.01	-2.50	0.06	0.02	0.05	-0.10
39	35	0.92	0.04	-5.07e-04	-5.52	0.0	0.77	3.60	0.04	0.01	-0.08	-2.54
		-2.54	-0.08	5.56e-05	0.0	295.7	-0.77	-1.92	0.04	0.01	0.04	-0.06
39	36	1.01	0.04	-5.46e-04	-6.14	0.0	0.85	4.01	0.05	0.01	-0.09	-2.87
		-2.87	-0.09	6.27e-05	0.0	295.7	-0.85	-2.13	0.05	0.01	0.04	-0.07
39	37	1.08	0.05	-5.85e-04	-6.64	0.0	0.92	4.34	0.05	0.01	-0.10	-3.11
		-3.11	-0.10	6.85e-05	0.0	295.7	-0.92	-2.30	0.05	0.01	0.05	-0.08
39	38	1.17	0.05	-6.24e-04	-7.26	0.0	1.01	4.76	0.06	0.02	-0.11	-3.43
		-3.43	-0.11	7.56e-05	0.0	295.7	-1.01	-2.50	0.06	0.02	0.05	-0.10
39	39	0.92	0.04	-5.07e-04	-5.52	0.0	0.77	3.60	0.04	0.01	-0.08	-2.54
		-2.54	-0.08	5.56e-05	0.0	295.7	-0.77	-1.92	0.04	0.01	0.04	-0.06
39	40	1.01	0.04	-5.46e-04	-6.14	0.0	0.85	4.01	0.05	0.01	-0.09	-2.87
		-2.87	-0.09	6.27e-05	0.0	295.7	-0.85	-2.13	0.05	0.01	0.04	-0.07
39	41	1.08	0.05	-5.85e-04	-6.64	0.0	0.92	4.34	0.05	0.01	-0.10	-3.11
		-3.11	-0.10	6.85e-05	0.0	295.7	-0.92	-2.30	0.05	0.01	0.05	-0.08
39	42	1.17	0.05	-6.24e-04	-7.26	0.0	1.01	4.76	0.06	0.02	-0.11	-3.43
		-3.43	-0.11	7.56e-05	0.0	295.7	-1.01	-2.50	0.06	0.02	0.05	-0.10
39	43	0.92	0.04	-5.07e-04	-5.52	0.0	0.77	3.60	0.04	0.01	-0.08	-2.54
		-2.54	-0.08	5.56e-05	0.0	295.7	-0.77	-1.92	0.04	0.01	0.04	-0.06
39	44	1.01	0.04	-5.46e-04	-6.14	0.0	0.85	4.01	0.05	0.01	-0.09	-2.87
		-2.87	-0.09	6.27e-05	0.0	295.7	-0.85	-2.13	0.05	0.01	0.04	-0.07
39	45	0.54	0.03	-2.60e-04	-3.73	0.0	0.52	2.48	0.03	9.05e-03	-0.06	-1.89
		-1.89	-0.06	4.30e-05	0.0	295.7	-0.52	-1.25	0.03	9.05e-03	0.03	-0.08
40	1	0.0	0.0	2.41e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	-1.85e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
40	2	0.0	0.0	2.70e-04	-0.80	0.0	0.10	0.80	0.0	0.0	0.0	-0.20
		-0.20	0.0	-2.20e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
40	3	0.0	0.0	3.07e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	-2.06e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
40	4	0.0	0.0	3.22e-04	-0.73	0.0	0.09	0.73	0.0	0.0	0.0	-0.18
		-0.18	0.0	-2.24e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
40	5	0.0	0.0	2.41e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	-1.85e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
40	6	0.0	0.0	2.56e-04	-0.73	0.0	0.09	0.73	0.0	0.0	0.0	-0.18
		-0.18	0.0	-2.03e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
40	7	0.0	0.0	2.41e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	-1.85e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
40	8	0.0	0.0	2.56e-04	-0.73	0.0	0.09	0.73	0.0	0.0	0.0	-0.18
		-0.18	0.0	-2.03e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
40	9	0.0	0.0	2.41e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	-1.85e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
40	10	0.0	0.0	2.56e-04	-0.73	0.0	0.09	0.73	0.0	0.0	0.0	-0.18
		-0.18	0.0	-2.03e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
40	11	0.0	0.0	2.41e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	-1.85e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
40	12	0.0	0.0	2.56e-04	-0.73	0.0	0.09	0.73	0.0	0.0	0.0	-0.18
		-0.18	0.0	-2.03e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
40	13	0.0	0.0	1.42e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	-0.16
		-0.16	0.0	-1.53e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0
40	14	0.0	0.0	1.48e-04	-0.68	0.0	0.08	0.68	0.0	0.0	0.0	-0.17
		-0.17	0.0	-1.60e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0



40	15	0.0	0.0	1.75e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	0.0	-0.16
		-0.16	0.0	-1.64e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	16	0.0	0.0	1.42e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	0.0	-0.16
		-0.16	0.0	-1.53e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	17	0.0	0.0	1.42e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	0.0	-0.16
		-0.16	0.0	-1.53e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	18	0.0	0.0	1.42e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	0.0	-0.16
		-0.16	0.0	-1.53e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	19	0.0	0.0	1.42e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	0.0	-0.16
		-0.16	0.0	-1.53e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	20	0.0	0.0	1.42e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	0.0	-0.16
		-0.16	0.0	-1.53e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	21	0.0	0.0	3.34e-04	-0.85	0.0	0.10	0.85	0.0	0.0	0.0	0.0	-0.21
		-0.21	0.0	-2.47e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	22	0.0	0.0	3.77e-04	-1.07	0.0	0.13	1.07	0.0	0.0	0.0	0.0	-0.27
		-0.27	0.0	-3.00e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	23	0.0	0.0	2.91e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	0.0	-0.16
		-0.16	0.0	-2.01e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	24	0.0	0.0	3.34e-04	-0.88	0.0	0.11	0.88	0.0	0.0	0.0	0.0	-0.22
		-0.22	0.0	-2.54e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	25	0.0	0.0	4.33e-04	-0.85	0.0	0.10	0.85	0.0	0.0	0.0	0.0	-0.21
		-0.21	0.0	-2.78e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	26	0.0	0.0	4.54e-04	-0.96	0.0	0.12	0.96	0.0	0.0	0.0	0.0	-0.24
		-0.24	0.0	-3.05e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	27	0.0	0.0	3.90e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	0.0	-0.16
		-0.16	0.0	-2.32e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	28	0.0	0.0	4.12e-04	-0.77	0.0	0.09	0.77	0.0	0.0	0.0	0.0	-0.19
		-0.19	0.0	-2.59e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	29	0.0	0.0	3.34e-04	-0.85	0.0	0.10	0.85	0.0	0.0	0.0	0.0	-0.21
		-0.21	0.0	-2.47e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	30	0.0	0.0	3.55e-04	-0.96	0.0	0.12	0.96	0.0	0.0	0.0	0.0	-0.24
		-0.24	0.0	-2.73e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	31	0.0	0.0	2.91e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	0.0	-0.16
		-0.16	0.0	-2.01e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	32	0.0	0.0	3.13e-04	-0.77	0.0	0.09	0.77	0.0	0.0	0.0	0.0	-0.19
		-0.19	0.0	-2.27e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	33	0.0	0.0	3.34e-04	-0.85	0.0	0.10	0.85	0.0	0.0	0.0	0.0	-0.21
		-0.21	0.0	-2.47e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	34	0.0	0.0	3.55e-04	-0.96	0.0	0.12	0.96	0.0	0.0	0.0	0.0	-0.24
		-0.24	0.0	-2.73e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	35	0.0	0.0	2.91e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	0.0	-0.16
		-0.16	0.0	-2.01e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	36	0.0	0.0	3.13e-04	-0.77	0.0	0.09	0.77	0.0	0.0	0.0	0.0	-0.19
		-0.19	0.0	-2.27e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	37	0.0	0.0	3.34e-04	-0.85	0.0	0.10	0.85	0.0	0.0	0.0	0.0	-0.21
		-0.21	0.0	-2.47e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	38	0.0	0.0	3.55e-04	-0.96	0.0	0.12	0.96	0.0	0.0	0.0	0.0	-0.24
		-0.24	0.0	-2.73e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	39	0.0	0.0	2.91e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	0.0	-0.16
		-0.16	0.0	-2.01e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	40	0.0	0.0	3.13e-04	-0.77	0.0	0.09	0.77	0.0	0.0	0.0	0.0	-0.19
		-0.19	0.0	-2.27e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	41	0.0	0.0	3.34e-04	-0.85	0.0	0.10	0.85	0.0	0.0	0.0	0.0	-0.21
		-0.21	0.0	-2.47e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	42	0.0	0.0	3.55e-04	-0.96	0.0	0.12	0.96	0.0	0.0	0.0	0.0	-0.24
		-0.24	0.0	-2.73e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	43	0.0	0.0	2.91e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	0.0	-0.16
		-0.16	0.0	-2.01e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	44	0.0	0.0	3.13e-04	-0.77	0.0	0.09	0.77	0.0	0.0	0.0	0.0	-0.19
		-0.19	0.0	-2.27e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	45	0.0	0.0	1.42e-04	-0.65	0.0	0.08	0.65	0.0	0.0	0.0	0.0	-0.16
		-0.16	0.0	-1.53e-06	0.0	50.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	1	1.44	4.38e-04	-4.42e-04	-0.27	0.0	0.06	1.63	4.81e-04	0.03	-4.33e-05	-0.06	
		-0.06	-4.33e-05	0.0	0.0	100.0	0.06	1.36	4.81e-04	0.03	4.38e-04	1.44	
41	2	1.68	5.43e-04	-5.23e-04	-0.27	0.0	0.07	1.89	5.97e-04	0.04	-5.38e-05	-0.07	
		-0.07	-5.38e-05	0.0	0.0	100.0	0.07	1.62	5.97e-04	0.04	5.43e-04	1.68	
41	3	1.63	4.38e-04	-4.90e-04	-0.27	0.0	0.07	1.83	4.81e-04	0.03	-4.33e-05	-0.07	
		-0.07	-4.33e-05	0.0	0.0	100.0	0.07	1.56	4.81e-04	0.03	4.38e-04	1.63	
41	4	1.75	4.91e-04	-5.31e-04	-0.27	0.0	0.07	1.96	5.39e-04	0.04	-4.86e-05	-0.07	
		-0.07	-4.86e-05	0.0	0.0	100.0	0.07	1.69	5.39e-04	0.04	4.91e-04	1.75	
41	5	1.44	4.38e-04	-4.42e-04	-0.27	0.0	0.06	1.63	4.81e-04	0.03	-4.33e-05	-0.06	
		-0.06	-4.33e-05	0.0	0.0	100.0	0.06	1.36	4.81e-04	0.03	4.38e-04	1.44	
41	6	1.56	4.91e-04	-4.82e-04	-0.27	0.0	0.07	1.76	5.39e-04	0.04	-4.86e-05	-0.07	
		-0.07	-4.86e-05	0.0	0.0	100.0	0.07	1.49	5.39e-04	0.04	4.91e-04	1.56	
41	7	1.44	4.38e-04	-4.42e-04	-0.27	0.0	0.06	1.63	4.81e-04	0.03	-4.33e-05	-0.06	
		-0.06	-4.33e-05	0.0	0.0	100.0	0.06	1.36	4.81e-04	0.03	4.38e-04	1.44	
41	8	1.56	4.91e-04	-4.82e-04	-0.27	0.0	0.07	1.76	5.39e-04	0.04	-4.86e-05	-0.07	



41	9	-0.07	-4.86e-05	0.0	0.0	100.0	0.07	1.49	5.39e-04	0.04	4.91e-04	1.56
		1.44	4.38e-04	-4.42e-04	-0.27	0.0	0.06	1.63	4.81e-04	0.03	-4.33e-05	-0.06
		-0.06	-4.33e-05	0.0	0.0	100.0	0.06	1.36	4.81e-04	0.03	4.38e-04	1.44
41	10	1.56	4.91e-04	-4.82e-04	-0.27	0.0	0.07	1.76	5.39e-04	0.04	-4.86e-05	-0.07
		-0.07	-4.86e-05	0.0	0.0	100.0	0.07	1.49	5.39e-04	0.04	4.91e-04	1.56
41	11	1.44	4.38e-04	-4.42e-04	-0.27	0.0	0.06	1.63	4.81e-04	0.03	-4.33e-05	-0.06
		-0.06	-4.33e-05	0.0	0.0	100.0	0.06	1.36	4.81e-04	0.03	4.38e-04	1.44
41	12	1.56	4.91e-04	-4.82e-04	-0.27	0.0	0.07	1.76	5.39e-04	0.04	-4.86e-05	-0.07
		-0.07	-4.86e-05	0.0	0.0	100.0	0.07	1.49	5.39e-04	0.04	4.91e-04	1.56
41	13	1.14	4.38e-04	-3.70e-04	-0.27	0.0	0.05	1.33	4.81e-04	0.03	-4.33e-05	-0.05
		-0.05	-4.33e-05	0.0	0.0	100.0	0.05	1.06	4.81e-04	0.03	4.38e-04	1.14
41	14	1.19	4.38e-04	-3.86e-04	-0.27	0.0	0.05	1.38	5.04e-04	0.03	-4.54e-05	-0.05
		-0.05	-4.54e-05	0.0	0.0	100.0	0.05	1.11	5.04e-04	0.03	4.59e-04	1.19
41	15	1.24	4.38e-04	-3.94e-04	-0.27	0.0	0.05	1.43	4.81e-04	0.03	-4.33e-05	-0.05
		-0.05	-4.33e-05	0.0	0.0	100.0	0.05	1.16	4.81e-04	0.03	4.38e-04	1.24
41	16	1.14	4.38e-04	-3.70e-04	-0.27	0.0	0.05	1.33	4.81e-04	0.03	-4.33e-05	-0.05
		-0.05	-4.33e-05	0.0	0.0	100.0	0.05	1.06	4.81e-04	0.03	4.38e-04	1.14
41	17	1.14	4.38e-04	-3.70e-04	-0.27	0.0	0.05	1.33	4.81e-04	0.03	-4.33e-05	-0.05
		-0.05	-4.33e-05	0.0	0.0	100.0	0.05	1.06	4.81e-04	0.03	4.38e-04	1.14
41	18	1.14	4.38e-04	-3.70e-04	-0.27	0.0	0.05	1.33	4.81e-04	0.03	-4.33e-05	-0.05
		-0.05	-4.33e-05	0.0	0.0	100.0	0.05	1.06	4.81e-04	0.03	4.38e-04	1.14
41	19	1.14	4.38e-04	-3.70e-04	-0.27	0.0	0.05	1.33	4.81e-04	0.03	-4.33e-05	-0.05
		-0.05	-4.33e-05	0.0	0.0	100.0	0.05	1.06	4.81e-04	0.03	4.38e-04	1.14
41	20	1.14	4.38e-04	-3.70e-04	-0.27	0.0	0.05	1.33	4.81e-04	0.03	-4.33e-05	-0.05
		-0.05	-4.33e-05	0.0	0.0	100.0	0.05	1.06	4.81e-04	0.03	4.38e-04	1.14
41	21	1.92	5.69e-04	-5.89e-04	-0.35	0.0	0.08	2.18	6.26e-04	0.04	-5.63e-05	-0.08
		-0.08	-5.63e-05	0.0	0.0	100.0	0.08	1.83	6.26e-04	0.04	5.69e-04	1.92
41	22	2.30	7.28e-04	-7.11e-04	-0.35	0.0	0.10	2.57	8.00e-04	0.05	-7.20e-05	-0.10
		-0.10	-7.20e-05	0.0	0.0	100.0	0.10	2.22	8.00e-04	0.05	7.28e-04	2.30
41	23	1.58	4.38e-04	-4.78e-04	-0.27	0.0	0.06	1.78	4.81e-04	0.03	-4.33e-05	-0.07
		-0.07	-4.33e-05	0.0	0.0	100.0	0.06	1.51	4.81e-04	0.03	4.38e-04	1.58
41	24	1.96	5.96e-04	-6.00e-04	-0.27	0.0	0.08	2.17	6.55e-04	0.04	-5.90e-05	-0.08
		-0.08	-5.90e-05	0.0	0.0	100.0	0.08	1.90	6.55e-04	0.04	5.96e-04	1.96
41	25	2.22	5.69e-04	-6.61e-04	-0.35	0.0	0.09	2.48	6.26e-04	0.04	-5.63e-05	-0.09
		-0.09	-5.63e-05	0.0	0.0	100.0	0.09	2.13	6.26e-04	0.04	5.69e-04	2.22
41	26	2.40	6.48e-04	-7.22e-04	-0.35	0.0	0.10	2.68	7.13e-04	0.05	-6.42e-05	-0.10
		-0.10	-6.42e-05	0.0	0.0	100.0	0.10	2.33	7.13e-04	0.05	6.48e-04	2.40
41	27	1.87	4.38e-04	-5.50e-04	-0.27	0.0	0.07	2.08	4.81e-04	0.03	-4.33e-05	-0.08
		-0.08	-4.33e-05	0.0	0.0	100.0	0.07	1.81	4.81e-04	0.03	4.38e-04	1.87
41	28	2.06	5.17e-04	-6.11e-04	-0.27	0.0	0.08	2.28	5.68e-04	0.04	-5.12e-05	-0.09
		-0.09	-5.12e-05	0.0	0.0	100.0	0.08	2.01	5.68e-04	0.04	5.17e-04	2.06
41	29	1.92	5.69e-04	-5.89e-04	-0.35	0.0	0.08	2.18	6.26e-04	0.04	-5.63e-05	-0.08
		-0.08	-5.63e-05	0.0	0.0	100.0	0.08	1.83	6.26e-04	0.04	5.69e-04	1.92
41	30	2.11	6.48e-04	-6.50e-04	-0.35	0.0	0.09	2.38	7.13e-04	0.05	-6.42e-05	-0.09
		-0.09	-6.42e-05	0.0	0.0	100.0	0.09	2.03	7.13e-04	0.05	6.48e-04	2.11
41	31	1.58	4.38e-04	-4.78e-04	-0.27	0.0	0.06	1.78	4.81e-04	0.03	-4.33e-05	-0.07
		-0.07	-4.33e-05	0.0	0.0	100.0	0.06	1.51	4.81e-04	0.03	4.38e-04	1.58
41	32	1.77	5.17e-04	-5.39e-04	-0.27	0.0	0.07	1.98	5.68e-04	0.04	-5.12e-05	-0.08
		-0.08	-5.12e-05	0.0	0.0	100.0	0.07	1.71	5.68e-04	0.04	5.17e-04	1.77
41	33	1.92	5.69e-04	-5.89e-04	-0.35	0.0	0.08	2.18	6.26e-04	0.04	-5.63e-05	-0.08
		-0.08	-5.63e-05	0.0	0.0	100.0	0.08	1.83	6.26e-04	0.04	5.69e-04	1.92
41	34	2.11	6.48e-04	-6.50e-04	-0.35	0.0	0.09	2.38	7.13e-04	0.05	-6.42e-05	-0.09
		-0.09	-6.42e-05	0.0	0.0	100.0	0.09	2.03	7.13e-04	0.05	6.48e-04	2.11
41	35	1.58	4.38e-04	-4.78e-04	-0.27	0.0	0.06	1.78	4.81e-04	0.03	-4.33e-05	-0.07
		-0.07	-4.33e-05	0.0	0.0	100.0	0.06	1.51	4.81e-04	0.03	4.38e-04	1.58
41	36	1.77	5.17e-04	-5.39e-04	-0.27	0.0	0.07	1.98	5.68e-04	0.04	-5.12e-05	-0.08
		-0.08	-5.12e-05	0.0	0.0	100.0	0.07	1.71	5.68e-04	0.04	5.17e-04	1.77
41	37	1.92	5.69e-04	-5.89e-04	-0.35	0.0	0.08	2.18	6.26e-04	0.04	-5.63e-05	-0.08
		-0.08	-5.63e-05	0.0	0.0	100.0	0.08	1.83	6.26e-04	0.04	5.69e-04	1.92
41	38	2.11	6.48e-04	-6.50e-04	-0.35	0.0	0.09	2.38	7.13e-04	0.05	-6.42e-05	-0.09
		-0.09	-6.42e-05	0.0	0.0	100.0	0.09	2.03	7.13e-04	0.05	6.48e-04	2.11
41	39	1.58	4.38e-04	-4.78e-04	-0.27	0.0	0.06	1.78	4.81e-04	0.03	-4.33e-05	-0.07
		-0.07	-4.33e-05	0.0	0.0	100.0	0.06	1.51	4.81e-04	0.03	4.38e-04	1.58
41	40	1.77	5.17e-04	-5.39e-04	-0.27	0.0	0.07	1.98	5.68e-04	0.04	-5.12e-05	-0.08
		-0.08	-5.12e-05	0.0	0.0	100.0	0.07	1.71	5.68e-04	0.04	5.17e-04	1.77
41	41	1.92	5.69e-04	-5.89e-04	-0.35	0.0	0.08	2.18	6.26e-04	0.04	-5.63e-05	-0.08
		-0.08	-5.63e-05	0.0	0.0	100.0	0.08	1.83	6.26e-04	0.04	5.69e-04	1.92
41	42	2.11	6.48e-04	-6.50e-04	-0.35	0.0	0.09	2.38	7.13e-04	0.05	-6.42e-05	-0.09
		-0.09	-6.42e-05	0.0	0.0	100.0	0.09	2.03	7.13e-04	0.05	6.48e-04	2.11
41	43	1.58	4.38e-04	-4.78e-04	-0.27	0.0	0.06	1.78	4.81e-04	0.03	-4.33e-05	-0.07
		-0.07	-4.33e-05	0.0	0.0	100.0	0.06	1.51	4.81e-04	0.03	4.38e-04	1.58
41	44	1.77	5.17e-04	-5.39e-04	-0.27	0.0	0.07	1.98	5.68e-04	0.04	-5.12e-05	-0.08
		-0.08	-5.12e-05	0.0	0.0	100.0	0.07	1.71	5.68e-04	0.04	5.17e-04	1.77
41	45	1.14	4.38e-04	-3.70e-04	-0.27	0.0	0.05	1.33	4.81e-04	0.03	-4.33e-05	-0.05
		-0.05	-4.33e-05	0.0	0.0	100.0	0.05	1.06	4.81e-04	0.03	4.38e-04	1.14
42	1	1.39	4.59e-04	-2.24e-04	-0.27	0.0	2.25e-03	-0.17	-8.53e-04	0.16	4.59e-04	1.39
		1.09	-3.93e-04	0.0	0.0	100.0	2.25e-03	-0.44	-8.53e-04	0.16	-3.93e-04	1.09



42	2	1.63	5.70e-04	-2.68e-04	-0.27	0.0	2.91e-03	-0.20	-1.06e-03	0.20	5.70e-04	1.63
		1.30	-4.88e-04	0.0	0.0	100.0	2.91e-03	-0.46	-1.06e-03	0.20	-4.88e-04	1.30
42	3	1.58	4.59e-04	-2.43e-04	-0.27	0.0	2.06e-03	-0.25	-8.53e-04	0.16	4.59e-04	1.58
		1.19	-3.93e-04	0.0	0.0	100.0	2.06e-03	-0.52	-8.53e-04	0.16	-3.93e-04	1.19
42	4	1.70	5.15e-04	-2.65e-04	-0.27	0.0	2.39e-03	-0.26	-9.55e-04	0.18	5.15e-04	1.70
		1.30	-4.41e-04	0.0	0.0	100.0	2.39e-03	-0.53	-9.55e-04	0.18	-4.41e-04	1.30
42	5	1.39	4.59e-04	-2.24e-04	-0.27	0.0	2.25e-03	-0.17	-8.53e-04	0.16	4.59e-04	1.39
		1.09	-3.93e-04	0.0	0.0	100.0	2.25e-03	-0.44	-8.53e-04	0.16	-3.93e-04	1.09
42	6	1.51	5.15e-04	-2.46e-04	-0.27	0.0	2.58e-03	-0.18	-9.55e-04	0.18	5.15e-04	1.51
		1.19	-4.41e-04	0.0	0.0	100.0	2.58e-03	-0.45	-9.55e-04	0.18	-4.41e-04	1.19
42	7	1.39	4.59e-04	-2.24e-04	-0.27	0.0	2.25e-03	-0.17	-8.53e-04	0.16	4.59e-04	1.39
		1.09	-3.93e-04	0.0	0.0	100.0	2.25e-03	-0.44	-8.53e-04	0.16	-3.93e-04	1.09
42	8	1.51	5.15e-04	-2.46e-04	-0.27	0.0	2.58e-03	-0.18	-9.55e-04	0.18	5.15e-04	1.51
		1.19	-4.41e-04	0.0	0.0	100.0	2.58e-03	-0.45	-9.55e-04	0.18	-4.41e-04	1.19
42	9	1.39	4.59e-04	-2.24e-04	-0.27	0.0	2.25e-03	-0.17	-8.53e-04	0.16	4.59e-04	1.39
		1.09	-3.93e-04	0.0	0.0	100.0	2.25e-03	-0.44	-8.53e-04	0.16	-3.93e-04	1.09
42	10	1.51	5.15e-04	-2.46e-04	-0.27	0.0	2.58e-03	-0.18	-9.55e-04	0.18	5.15e-04	1.51
		1.19	-4.41e-04	0.0	0.0	100.0	2.58e-03	-0.45	-9.55e-04	0.18	-4.41e-04	1.19
42	11	1.39	4.59e-04	-2.24e-04	-0.27	0.0	2.25e-03	-0.17	-8.53e-04	0.16	4.59e-04	1.39
		1.09	-3.93e-04	0.0	0.0	100.0	2.25e-03	-0.44	-8.53e-04	0.16	-3.93e-04	1.09
42	12	1.51	5.15e-04	-2.46e-04	-0.27	0.0	2.58e-03	-0.18	-9.55e-04	0.18	5.15e-04	1.51
		1.19	-4.41e-04	0.0	0.0	100.0	2.58e-03	-0.45	-9.55e-04	0.18	-4.41e-04	1.19
42	13	1.10	4.59e-04	-1.95e-04	-0.27	0.0	2.55e-03	-0.04	-8.53e-04	0.16	4.59e-04	1.10
		0.93	-3.93e-04	0.0	0.0	100.0	2.55e-03	-0.31	-8.53e-04	0.16	-3.93e-04	0.93
42	14	1.15	4.82e-04	-2.04e-04	-0.27	0.0	2.68e-03	-0.05	-8.94e-04	0.17	4.82e-04	1.15
		0.97	-4.12e-04	0.0	0.0	100.0	2.68e-03	-0.32	-8.94e-04	0.17	-4.12e-04	0.97
42	15	1.20	4.59e-04	-2.05e-04	-0.27	0.0	2.45e-03	-0.08	-8.53e-04	0.16	4.59e-04	1.20
		0.98	-3.93e-04	0.0	0.0	100.0	2.45e-03	-0.35	-8.53e-04	0.16	-3.93e-04	0.98
42	16	1.10	4.59e-04	-1.95e-04	-0.27	0.0	2.55e-03	-0.04	-8.53e-04	0.16	4.59e-04	1.10
		0.93	-3.93e-04	0.0	0.0	100.0	2.55e-03	-0.31	-8.53e-04	0.16	-3.93e-04	0.93
42	17	1.10	4.59e-04	-1.95e-04	-0.27	0.0	2.55e-03	-0.04	-8.53e-04	0.16	4.59e-04	1.10
		0.93	-3.93e-04	0.0	0.0	100.0	2.55e-03	-0.31	-8.53e-04	0.16	-3.93e-04	0.93
42	18	1.10	4.59e-04	-1.95e-04	-0.27	0.0	2.55e-03	-0.04	-8.53e-04	0.16	4.59e-04	1.10
		0.93	-3.93e-04	0.0	0.0	100.0	2.55e-03	-0.31	-8.53e-04	0.16	-3.93e-04	0.93
42	19	1.10	4.59e-04	-1.95e-04	-0.27	0.0	2.55e-03	-0.04	-8.53e-04	0.16	4.59e-04	1.10
		0.93	-3.93e-04	0.0	0.0	100.0	2.55e-03	-0.31	-8.53e-04	0.16	-3.93e-04	0.93
42	20	1.10	4.59e-04	-1.95e-04	-0.27	0.0	2.55e-03	-0.04	-8.53e-04	0.16	4.59e-04	1.10
		0.93	-3.93e-04	0.0	0.0	100.0	2.55e-03	-0.31	-8.53e-04	0.16	-3.93e-04	0.93
42	21	1.86	5.97e-04	-2.97e-04	-0.35	0.0	2.87e-03	-0.24	-1.11e-03	0.21	5.97e-04	1.86
		1.45	-5.11e-04	0.0	0.0	100.0	2.87e-03	-0.59	-1.11e-03	0.21	-5.11e-04	1.45
42	22	2.22	7.63e-04	-3.63e-04	-0.35	0.0	3.85e-03	-0.28	-1.42e-03	0.27	7.63e-04	2.22
		1.76	-6.53e-04	0.0	0.0	100.0	3.85e-03	-0.63	-1.42e-03	0.27	-6.53e-04	1.76
42	23	1.53	4.59e-04	-2.38e-04	-0.27	0.0	2.11e-03	-0.23	-8.53e-04	0.16	4.59e-04	1.53
		1.17	-3.93e-04	0.0	0.0	100.0	2.11e-03	-0.50	-8.53e-04	0.16	-3.93e-04	1.17
42	24	1.89	6.25e-04	-3.05e-04	-0.27	0.0	3.09e-03	-0.27	-1.16e-03	0.22	6.25e-04	1.89
		1.49	-5.35e-04	0.0	0.0	100.0	3.09e-03	-0.54	-1.16e-03	0.22	-5.35e-04	1.49
42	25	2.15	5.97e-04	-3.26e-04	-0.35	0.0	2.58e-03	-0.37	-1.11e-03	0.21	5.97e-04	2.15
		1.60	-5.11e-04	0.0	0.0	100.0	2.58e-03	-0.72	-1.11e-03	0.21	-5.11e-04	1.60
42	26	2.33	6.80e-04	-3.59e-04	-0.35	0.0	3.07e-03	-0.39	-1.26e-03	0.24	6.80e-04	2.33
		1.76	-5.82e-04	0.0	0.0	100.0	3.07e-03	-0.74	-1.26e-03	0.24	-5.82e-04	1.76
42	27	1.81	4.59e-04	-2.67e-04	-0.27	0.0	1.81e-03	-0.35	-8.53e-04	0.16	4.59e-04	1.81
		1.33	-3.93e-04	0.0	0.0	100.0	1.81e-03	-0.62	-8.53e-04	0.16	-3.93e-04	1.33
42	28	2.00	5.42e-04	-3.00e-04	-0.27	0.0	2.31e-03	-0.38	-1.01e-03	0.19	5.42e-04	2.00
		1.49	-4.64e-04	0.0	0.0	100.0	2.31e-03	-0.64	-1.01e-03	0.19	-4.64e-04	1.49
42	29	1.86	5.97e-04	-2.97e-04	-0.35	0.0	2.87e-03	-0.24	-1.11e-03	0.21	5.97e-04	1.86
		1.45	-5.11e-04	0.0	0.0	100.0	2.87e-03	-0.59	-1.11e-03	0.21	-5.11e-04	1.45
42	30	2.04	6.80e-04	-3.30e-04	-0.35	0.0	3.36e-03	-0.26	-1.26e-03	0.24	6.80e-04	2.04
		1.60	-5.82e-04	0.0	0.0	100.0	3.36e-03	-0.61	-1.26e-03	0.24	-5.82e-04	1.60
42	31	1.53	4.59e-04	-2.38e-04	-0.27	0.0	2.11e-03	-0.23	-8.53e-04	0.16	4.59e-04	1.53
		1.17	-3.93e-04	0.0	0.0	100.0	2.11e-03	-0.50	-8.53e-04	0.16	-3.93e-04	1.17
42	32	1.71	5.42e-04	-2.72e-04	-0.27	0.0	2.60e-03	-0.25	-1.01e-03	0.19	5.42e-04	1.71
		1.33	-4.64e-04	0.0	0.0	100.0	2.60e-03	-0.52	-1.01e-03	0.19	-4.64e-04	1.33
42	33	1.86	5.97e-04	-2.97e-04	-0.35	0.0	2.87e-03	-0.24	-1.11e-03	0.21	5.97e-04	1.86
		1.45	-5.11e-04	0.0	0.0	100.0	2.87e-03	-0.59	-1.11e-03	0.21	-5.11e-04	1.45
42	34	2.04	6.80e-04	-3.30e-04	-0.35	0.0	3.36e-03	-0.26	-1.26e-03	0.24	6.80e-04	2.04
		1.60	-5.82e-04	0.0	0.0	100.0	3.36e-03	-0.61	-1.26e-03	0.24	-5.82e-04	1.60
42	35	1.53	4.59e-04	-2.38e-04	-0.27	0.0	2.11e-03	-0.23	-8.53e-04	0.16	4.59e-04	1.53
		1.17	-3.93e-04	0.0	0.0	100.0	2.11e-03	-0.50	-8.53e-04	0.16	-3.93e-04	1.17
42	36	1.71	5.42e-04	-2.72e-04	-0.27	0.0	2.60e-03	-0.25	-1.01e-03	0.19	5.42e-04	1.71
		1.33	-4.64e-04	0.0	0.0	100.0	2.60e-03	-0.52	-1.01e-03	0.19	-4.64e-04	1.33
42	37	1.86	5.97e-04	-2.97e-04	-0.35	0.0	2.87e-03	-0.24	-1.11e-03	0.21	5.97e-04	1.86
		1.45	-5.11e-04	0.0	0.0	100.0	2.87e-03	-0.59	-1.11e-03	0.21	-5.11e-04	1.45
42	38	2.04	6.80e-04	-3.30e-04	-0.35	0.0	3.36e-03	-0.26	-1.26e-03	0.24	6.80e-04	2.04
		1.60	-5.82e-04	0.0	0.0	100.0	3.36e-03	-0.61	-1.26e-03	0.24	-5.82e-04	1.60
42	39	1.53	4.59e-04	-2.38e-04	-0.27	0.0	2.11e-03	-0.23	-8.53e-04	0.16	4.59e-04	1.53
		1.17	-3.93e-04	0.0	0.0	100.0	2.11e-03	-0.50	-8.53e-04	0.16	-3.93e-04	1.17
42	40	1.71	5.42e-04	-2.72e-04	-0.27	0.0	2.60e-03	-0.25	-1.01e-03	0.19	5.42e-04	1.71



		1.33	-4.64e-04	0.0	0.0	100.0	2.60e-03	-0.52	-1.01e-03	0.19	-4.64e-04	1.33
42	41	1.86	5.97e-04	-2.97e-04	-0.35	0.0	2.87e-03	-0.24	-1.11e-03	0.21	5.97e-04	1.86
		1.45	-5.11e-04	0.0	0.0	100.0	2.87e-03	-0.59	-1.11e-03	0.21	-5.11e-04	1.45
42	42	2.04	6.80e-04	-3.30e-04	-0.35	0.0	3.36e-03	-0.26	-1.26e-03	0.24	6.80e-04	2.04
		1.60	-5.82e-04	0.0	0.0	100.0	3.36e-03	-0.61	-1.26e-03	0.24	-5.82e-04	1.60
42	43	1.53	4.59e-04	-2.38e-04	-0.27	0.0	2.11e-03	-0.23	-8.53e-04	0.16	4.59e-04	1.53
		1.17	-3.93e-04	0.0	0.0	100.0	2.11e-03	-0.50	-8.53e-04	0.16	-3.93e-04	1.17
42	44	1.71	5.42e-04	-2.72e-04	-0.27	0.0	2.60e-03	-0.25	-1.01e-03	0.19	5.42e-04	1.71
		1.33	-4.64e-04	0.0	0.0	100.0	2.60e-03	-0.52	-1.01e-03	0.19	-4.64e-04	1.33
42	45	1.10	4.59e-04	-1.95e-04	-0.27	0.0	2.55e-03	-0.04	-8.53e-04	0.16	4.59e-04	1.10
		0.93	-3.93e-04	0.0	0.0	100.0	2.55e-03	-0.31	-8.53e-04	0.16	-3.93e-04	0.93
43	1	1.07	4.32e-05	-5.65e-05	-0.27	0.0	-0.02	-0.59	4.04e-04	0.03	-3.61e-04	1.07
		0.34	-3.61e-04	0.0	0.0	100.0	-0.02	-0.86	4.04e-04	0.03	4.32e-05	0.34
43	2	1.28	5.36e-05	-6.87e-05	-0.27	0.0	-0.03	-0.72	5.01e-04	0.04	-4.48e-04	1.28
		0.42	-4.48e-04	0.0	0.0	100.0	-0.03	-0.99	5.01e-04	0.04	5.36e-05	0.42
43	3	1.17	4.32e-05	-5.95e-05	-0.27	0.0	-0.02	-0.67	4.04e-04	0.03	-3.61e-04	1.17
		0.37	-3.61e-04	0.0	0.0	100.0	-0.02	-0.94	4.04e-04	0.03	4.32e-05	0.37
43	4	1.28	4.84e-05	-6.56e-05	-0.27	0.0	-0.03	-0.74	4.53e-04	0.04	-4.04e-04	1.28
		0.41	-4.04e-04	0.0	0.0	100.0	-0.03	-1.00	4.53e-04	0.04	4.84e-05	0.41
43	5	1.07	4.32e-05	-5.65e-05	-0.27	0.0	-0.02	-0.59	4.04e-04	0.03	-3.61e-04	1.07
		0.34	-3.61e-04	0.0	0.0	100.0	-0.02	-0.86	4.04e-04	0.03	4.32e-05	0.34
43	6	1.17	4.84e-05	-6.26e-05	-0.27	0.0	-0.02	-0.66	4.53e-04	0.04	-4.04e-04	1.17
		0.38	-4.04e-04	0.0	0.0	100.0	-0.02	-0.93	4.53e-04	0.04	4.84e-05	0.38
43	7	1.07	4.32e-05	-5.65e-05	-0.27	0.0	-0.02	-0.59	4.04e-04	0.03	-3.61e-04	1.07
		0.34	-3.61e-04	0.0	0.0	100.0	-0.02	-0.86	4.04e-04	0.03	4.32e-05	0.34
43	8	1.17	4.84e-05	-6.26e-05	-0.27	0.0	-0.02	-0.66	4.53e-04	0.04	-4.04e-04	1.17
		0.38	-4.04e-04	0.0	0.0	100.0	-0.02	-0.93	4.53e-04	0.04	4.84e-05	0.38
43	9	1.07	4.32e-05	-5.65e-05	-0.27	0.0	-0.02	-0.59	4.04e-04	0.03	-3.61e-04	1.07
		0.34	-3.61e-04	0.0	0.0	100.0	-0.02	-0.86	4.04e-04	0.03	4.32e-05	0.34
43	10	1.17	4.84e-05	-6.26e-05	-0.27	0.0	-0.02	-0.66	4.53e-04	0.04	-4.04e-04	1.17
		0.38	-4.04e-04	0.0	0.0	100.0	-0.02	-0.93	4.53e-04	0.04	4.84e-05	0.38
43	11	1.07	4.32e-05	-5.65e-05	-0.27	0.0	-0.02	-0.59	4.04e-04	0.03	-3.61e-04	1.07
		0.34	-3.61e-04	0.0	0.0	100.0	-0.02	-0.86	4.04e-04	0.03	4.32e-05	0.34
43	12	1.17	4.84e-05	-6.26e-05	-0.27	0.0	-0.02	-0.66	4.53e-04	0.04	-4.04e-04	1.17
		0.38	-4.04e-04	0.0	0.0	100.0	-0.02	-0.93	4.53e-04	0.04	4.84e-05	0.38
43	13	0.91	4.32e-05	-5.21e-05	-0.27	0.0	-0.02	-0.47	4.04e-04	0.03	-3.61e-04	0.91
		0.30	-3.61e-04	0.0	0.0	100.0	-0.02	-0.74	4.04e-04	0.03	4.32e-05	0.30
43	14	0.95	4.53e-05	-5.45e-05	-0.27	0.0	-0.02	-0.50	4.23e-04	0.04	-3.78e-04	0.95
		0.32	-3.78e-04	0.0	0.0	100.0	-0.02	-0.77	4.23e-04	0.04	4.53e-05	0.32
43	15	0.96	4.32e-05	-5.36e-05	-0.27	0.0	-0.02	-0.51	4.04e-04	0.03	-3.61e-04	0.96
		0.32	-3.61e-04	0.0	0.0	100.0	-0.02	-0.78	4.04e-04	0.03	4.32e-05	0.32
43	16	0.91	4.32e-05	-5.21e-05	-0.27	0.0	-0.02	-0.47	4.04e-04	0.03	-3.61e-04	0.91
		0.30	-3.61e-04	0.0	0.0	100.0	-0.02	-0.74	4.04e-04	0.03	4.32e-05	0.30
43	17	0.91	4.32e-05	-5.21e-05	-0.27	0.0	-0.02	-0.47	4.04e-04	0.03	-3.61e-04	0.91
		0.30	-3.61e-04	0.0	0.0	100.0	-0.02	-0.74	4.04e-04	0.03	4.32e-05	0.30
43	18	0.91	4.32e-05	-5.21e-05	-0.27	0.0	-0.02	-0.47	4.04e-04	0.03	-3.61e-04	0.91
		0.30	-3.61e-04	0.0	0.0	100.0	-0.02	-0.74	4.04e-04	0.03	4.32e-05	0.30
43	19	0.91	4.32e-05	-5.21e-05	-0.27	0.0	-0.02	-0.47	4.04e-04	0.03	-3.61e-04	0.91
		0.30	-3.61e-04	0.0	0.0	100.0	-0.02	-0.74	4.04e-04	0.03	4.32e-05	0.30
43	20	0.91	4.32e-05	-5.21e-05	-0.27	0.0	-0.02	-0.47	4.04e-04	0.03	-3.61e-04	0.91
		0.30	-3.61e-04	0.0	0.0	100.0	-0.02	-0.74	4.04e-04	0.03	4.32e-05	0.30
43	21	1.42	5.62e-05	-7.44e-05	-0.35	0.0	-0.03	-0.79	5.25e-04	0.04	-4.69e-04	1.42
		0.45	-4.69e-04	0.0	0.0	100.0	-0.03	-1.14	5.25e-04	0.04	5.62e-05	0.45
43	22	1.73	7.18e-05	-9.26e-05	-0.35	0.0	-0.04	-0.99	6.71e-04	0.06	-5.99e-04	1.73
		0.57	-5.99e-04	0.0	0.0	100.0	-0.04	-1.34	6.71e-04	0.06	7.18e-05	0.57
43	23	1.15	4.32e-05	-5.88e-05	-0.27	0.0	-0.02	-0.65	4.04e-04	0.03	-3.61e-04	1.15
		0.36	-3.61e-04	0.0	0.0	100.0	-0.02	-0.92	4.04e-04	0.03	4.32e-05	0.36
43	24	1.46	5.88e-05	-7.70e-05	-0.27	0.0	-0.03	-0.85	5.50e-04	0.05	-4.91e-04	1.46
		0.48	-4.91e-04	0.0	0.0	100.0	-0.03	-1.12	5.50e-04	0.05	5.88e-05	0.48
43	25	1.58	5.62e-05	-7.89e-05	-0.35	0.0	-0.03	-0.91	5.25e-04	0.04	-4.69e-04	1.58
		0.49	-4.69e-04	0.0	0.0	100.0	-0.03	-1.26	5.25e-04	0.04	5.62e-05	0.49
43	26	1.73	6.40e-05	-8.80e-05	-0.35	0.0	-0.04	-1.01	5.98e-04	0.05	-5.34e-04	1.73
		0.55	-5.34e-04	0.0	0.0	100.0	-0.04	-1.36	5.98e-04	0.05	6.40e-05	0.55
43	27	1.30	4.32e-05	-6.32e-05	-0.27	0.0	-0.03	-0.77	4.04e-04	0.03	-3.61e-04	1.30
		0.40	-3.61e-04	0.0	0.0	100.0	-0.03	-1.04	4.04e-04	0.03	4.32e-05	0.40
43	28	1.46	5.10e-05	-7.23e-05	-0.27	0.0	-0.03	-0.87	4.77e-04	0.04	-4.26e-04	1.46
		0.46	-4.26e-04	0.0	0.0	100.0	-0.03	-1.14	4.77e-04	0.04	5.10e-05	0.46
43	29	1.42	5.62e-05	-7.44e-05	-0.35	0.0	-0.03	-0.79	5.25e-04	0.04	-4.69e-04	1.42
		0.45	-4.69e-04	0.0	0.0	100.0	-0.03	-1.14	5.25e-04	0.04	5.62e-05	0.45
43	30	1.58	6.40e-05	-8.35e-05	-0.35	0.0	-0.03	-0.89	5.98e-04	0.05	-5.34e-04	1.58
		0.51	-5.34e-04	0.0	0.0	100.0	-0.03	-1.24	5.98e-04	0.05	6.40e-05	0.51
43	31	1.15	4.32e-05	-5.88e-05	-0.27	0.0	-0.02	-0.65	4.04e-04	0.03	-3.61e-04	1.15
		0.36	-3.61e-04	0.0	0.0	100.0	-0.02	-0.92	4.04e-04	0.03	4.32e-05	0.36
43	32	1.30	5.10e-05	-6.79e-05	-0.27	0.0	-0.03	-0.75	4.77e-04	0.04	-4.26e-04	1.30
		0.42	-4.26e-04	0.0	0.0	100.0	-0.03	-1.02	4.77e-04	0.04	5.10e-05	0.42
43	33	1.42	5.62e-05	-7.44e-05	-0.35	0.0	-0.03	-0.79	5.25e-04	0.04	-4.69e-04	1.42
		0.45	-4.69e-04	0.0	0.0	100.0	-0.03	-1.14	5.25e-04	0.04	5.62e-05	0.45



43	34	1.58	6.40e-05	-8.35e-05	-0.35	0.0	-0.03	-0.89	5.98e-04	0.05	-5.34e-04	1.58
		0.51	-5.34e-04	0.0	0.0	100.0	-0.03	-1.24	5.98e-04	0.05	6.40e-05	0.51
43	35	1.15	4.32e-05	-5.88e-05	-0.27	0.0	-0.02	-0.65	4.04e-04	0.03	-3.61e-04	1.15
		0.36	-3.61e-04	0.0	0.0	100.0	-0.02	-0.92	4.04e-04	0.03	4.32e-05	0.36
43	36	1.30	5.10e-05	-6.79e-05	-0.27	0.0	-0.03	-0.75	4.77e-04	0.04	-4.26e-04	1.30
		0.42	-4.26e-04	0.0	0.0	100.0	-0.03	-1.02	4.77e-04	0.04	5.10e-05	0.42
43	37	1.42	5.62e-05	-7.44e-05	-0.35	0.0	-0.03	-0.79	5.25e-04	0.04	-4.69e-04	1.42
		0.45	-4.69e-04	0.0	0.0	100.0	-0.03	-1.14	5.25e-04	0.04	5.62e-05	0.45
43	38	1.58	6.40e-05	-8.35e-05	-0.35	0.0	-0.03	-0.89	5.98e-04	0.05	-5.34e-04	1.58
		0.51	-5.34e-04	0.0	0.0	100.0	-0.03	-1.24	5.98e-04	0.05	6.40e-05	0.51
43	39	1.15	4.32e-05	-5.88e-05	-0.27	0.0	-0.02	-0.65	4.04e-04	0.03	-3.61e-04	1.15
		0.36	-3.61e-04	0.0	0.0	100.0	-0.02	-0.92	4.04e-04	0.03	4.32e-05	0.36
43	40	1.30	5.10e-05	-6.79e-05	-0.27	0.0	-0.03	-0.75	4.77e-04	0.04	-4.26e-04	1.30
		0.42	-4.26e-04	0.0	0.0	100.0	-0.03	-1.02	4.77e-04	0.04	5.10e-05	0.42
43	41	1.42	5.62e-05	-7.44e-05	-0.35	0.0	-0.03	-0.79	5.25e-04	0.04	-4.69e-04	1.42
		0.45	-4.69e-04	0.0	0.0	100.0	-0.03	-1.14	5.25e-04	0.04	5.62e-05	0.45
43	42	1.58	6.40e-05	-8.35e-05	-0.35	0.0	-0.03	-0.89	5.98e-04	0.05	-5.34e-04	1.58
		0.51	-5.34e-04	0.0	0.0	100.0	-0.03	-1.24	5.98e-04	0.05	6.40e-05	0.51
43	43	1.15	4.32e-05	-5.88e-05	-0.27	0.0	-0.02	-0.65	4.04e-04	0.03	-3.61e-04	1.15
		0.36	-3.61e-04	0.0	0.0	100.0	-0.02	-0.92	4.04e-04	0.03	4.32e-05	0.36
43	44	1.30	5.10e-05	-6.79e-05	-0.27	0.0	-0.03	-0.75	4.77e-04	0.04	-4.26e-04	1.30
		0.42	-4.26e-04	0.0	0.0	100.0	-0.03	-1.02	4.77e-04	0.04	5.10e-05	0.42
43	45	0.91	4.32e-05	-5.21e-05	-0.27	0.0	-0.02	-0.47	4.04e-04	0.03	-3.61e-04	0.91
		0.30	-3.61e-04	0.0	0.0	100.0	-0.02	-0.74	4.04e-04	0.03	4.32e-05	0.30
44	1	0.34	3.19e-05	-4.85e-06	-0.27	0.0	-0.03	-0.22	8.76e-06	8.65e-03	2.32e-05	0.34
		-0.02	2.32e-05	0.0	0.0	100.0	-0.03	-0.49	8.76e-06	8.65e-03	3.19e-05	-0.02
44	2	0.41	3.96e-05	-5.93e-06	-0.27	0.0	-0.03	-0.29	1.09e-05	0.01	2.88e-05	0.41
		-0.01	2.88e-05	0.0	0.0	100.0	-0.03	-0.56	1.09e-05	0.01	3.96e-05	-0.01
44	3	0.36	3.19e-05	-4.62e-06	-0.27	0.0	-0.03	-0.26	8.76e-06	8.65e-03	2.32e-05	0.36
		-0.02	2.32e-05	0.0	0.0	100.0	-0.03	-0.52	8.76e-06	8.65e-03	3.19e-05	-0.02
44	4	0.40	3.58e-05	-5.16e-06	-0.27	0.0	-0.03	-0.29	9.81e-06	9.69e-03	2.60e-05	0.40
		-0.02	2.60e-05	0.0	0.0	100.0	-0.03	-0.56	9.81e-06	9.69e-03	3.58e-05	-0.02
44	5	0.34	3.19e-05	-4.85e-06	-0.27	0.0	-0.03	-0.22	8.76e-06	8.65e-03	2.32e-05	0.34
		-0.02	2.32e-05	0.0	0.0	100.0	-0.03	-0.49	8.76e-06	8.65e-03	3.19e-05	-0.02
44	6	0.38	3.58e-05	-5.39e-06	-0.27	0.0	-0.03	-0.26	9.81e-06	9.69e-03	2.60e-05	0.38
		-0.02	2.60e-05	0.0	0.0	100.0	-0.03	-0.53	9.81e-06	9.69e-03	3.58e-05	-0.02
44	7	0.34	3.19e-05	-4.85e-06	-0.27	0.0	-0.03	-0.22	8.76e-06	8.65e-03	2.32e-05	0.34
		-0.02	2.32e-05	0.0	0.0	100.0	-0.03	-0.49	8.76e-06	8.65e-03	3.19e-05	-0.02
44	8	0.38	3.58e-05	-5.39e-06	-0.27	0.0	-0.03	-0.26	9.81e-06	9.69e-03	2.60e-05	0.38
		-0.02	2.60e-05	0.0	0.0	100.0	-0.03	-0.53	9.81e-06	9.69e-03	3.58e-05	-0.02
44	9	0.34	3.19e-05	-4.85e-06	-0.27	0.0	-0.03	-0.22	8.76e-06	8.65e-03	2.32e-05	0.34
		-0.02	2.32e-05	0.0	0.0	100.0	-0.03	-0.49	8.76e-06	8.65e-03	3.19e-05	-0.02
44	10	0.38	3.58e-05	-5.39e-06	-0.27	0.0	-0.03	-0.26	9.81e-06	9.69e-03	2.60e-05	0.38
		-0.02	2.60e-05	0.0	0.0	100.0	-0.03	-0.53	9.81e-06	9.69e-03	3.58e-05	-0.02
44	11	0.34	3.19e-05	-4.85e-06	-0.27	0.0	-0.03	-0.22	8.76e-06	8.65e-03	2.32e-05	0.34
		-0.02	2.32e-05	0.0	0.0	100.0	-0.03	-0.49	8.76e-06	8.65e-03	3.19e-05	-0.02
44	12	0.38	3.58e-05	-5.39e-06	-0.27	0.0	-0.03	-0.26	9.81e-06	9.69e-03	2.60e-05	0.38
		-0.02	2.60e-05	0.0	0.0	100.0	-0.03	-0.53	9.81e-06	9.69e-03	3.58e-05	-0.02
44	13	0.30	3.19e-05	-5.27e-06	-0.27	0.0	-0.02	-0.18	8.76e-06	8.65e-03	2.32e-05	0.30
		-8.97e-03	2.32e-05	0.0	0.0	100.0	-0.02	-0.44	8.76e-06	8.65e-03	3.19e-05	-8.97e-03
44	14	0.32	3.35e-05	-5.49e-06	-0.27	0.0	-0.02	-0.19	9.18e-06	9.07e-03	2.43e-05	0.32
		-8.09e-03	2.43e-05	0.0	0.0	100.0	-0.02	-0.46	9.18e-06	9.07e-03	3.35e-05	-8.09e-03
44	15	0.31	3.19e-05	-5.12e-06	-0.27	0.0	-0.02	-0.19	8.76e-06	8.65e-03	2.32e-05	0.31
		-0.01	2.32e-05	0.0	0.0	100.0	-0.02	-0.46	8.76e-06	8.65e-03	3.19e-05	-0.01
44	16	0.30	3.19e-05	-5.27e-06	-0.27	0.0	-0.02	-0.18	8.76e-06	8.65e-03	2.32e-05	0.30
		-8.97e-03	2.32e-05	0.0	0.0	100.0	-0.02	-0.44	8.76e-06	8.65e-03	3.19e-05	-8.97e-03
44	17	0.30	3.19e-05	-5.27e-06	-0.27	0.0	-0.02	-0.18	8.76e-06	8.65e-03	2.32e-05	0.30
		-8.97e-03	2.32e-05	0.0	0.0	100.0	-0.02	-0.44	8.76e-06	8.65e-03	3.19e-05	-8.97e-03
44	18	0.30	3.19e-05	-5.27e-06	-0.27	0.0	-0.02	-0.18	8.76e-06	8.65e-03	2.32e-05	0.30
		-8.97e-03	2.32e-05	0.0	0.0	100.0	-0.02	-0.44	8.76e-06	8.65e-03	3.19e-05	-8.97e-03
44	19	0.30	3.19e-05	-5.27e-06	-0.27	0.0	-0.02	-0.18	8.76e-06	8.65e-03	2.32e-05	0.30
		-8.97e-03	2.32e-05	0.0	0.0	100.0	-0.02	-0.44	8.76e-06	8.65e-03	3.19e-05	-8.97e-03
44	20	0.30	3.19e-05	-5.27e-06	-0.27	0.0	-0.02	-0.18	8.76e-06	8.65e-03	2.32e-05	0.30
		-8.97e-03	2.32e-05	0.0	0.0	100.0	-0.02	-0.44	8.76e-06	8.65e-03	3.19e-05	-8.97e-03
44	21	0.45	4.15e-05	-6.23e-06	-0.35	0.0	-0.04	-0.30	1.14e-05	0.01	3.01e-05	0.45
		-0.03	3.01e-05	0.0	0.0	100.0	-0.04	-0.65	1.14e-05	0.01	4.15e-05	-0.03
44	22	0.56	5.31e-05	-7.85e-06	-0.35	0.0	-0.04	-0.40	1.46e-05	0.01	3.85e-05	0.56
		-0.02	3.85e-05	0.0	0.0	100.0	-0.04	-0.75	1.46e-05	0.01	5.31e-05	-0.02
44	23	0.36	3.19e-05	-4.68e-06	-0.27	0.0	-0.03	-0.25	8.76e-06	8.65e-03	2.32e-05	0.36
		-0.02	2.32e-05	0.0	0.0	100.0	-0.03	-0.52	8.76e-06	8.65e-03	3.19e-05	-0.02
44	24	0.47	4.35e-05	-6.29e-06	-0.27	0.0	-0.04	-0.35	1.19e-05	0.01	3.16e-05	0.47
		-0.02	3.16e-05	0.0	0.0	100.0	-0.04	-0.62	1.19e-05	0.01	4.35e-05	-0.02
44	25	0.49	4.15e-05	-5.90e-06	-0.35	0.0	-0.04	-0.35	1.14e-05	0.01	3.01e-05	0.49
		-0.04	3.01e-05	0.0	0.0	100.0	-0.04	-0.70	1.14e-05	0.01	4.15e-05	-0.04
44	26	0.54	4.73e-05	-6.71e-06	-0.35	0.0	-0.04	-0.40	1.30e-05	0.01	3.43e-05	0.54
		-0.03	3.43e-05	0.0	0.0	100.0	-0.04	-0.75	1.30e-05	0.01	4.73e-05	-0.03
44	27	0.40	3.19e-05	-4.35e-06	-0.27	0.0	-0.03	-0.30	8.76e-06	8.65e-03	2.32e-05	0.40



44	28	-0.03	2.32e-05	0.0	0.0	100.0	-0.03	-0.56	8.76e-06	8.65e-03	3.19e-05	-0.03
		0.45	3.77e-05	-5.15e-06	-0.27	0.0	-0.04	-0.35	1.03e-05	0.01	2.74e-05	0.45
		-0.03	2.74e-05	0.0	0.0	100.0	-0.04	-0.62	1.03e-05	0.01	3.01e-05	-0.03
44	29	0.45	4.15e-05	-6.23e-06	-0.35	0.0	-0.04	-0.30	1.14e-05	0.01	3.01e-05	0.45
		-0.03	3.01e-05	0.0	0.0	100.0	-0.04	-0.65	1.14e-05	0.01	4.15e-05	-0.03
44	30	0.50	4.73e-05	-7.04e-06	-0.35	0.0	-0.04	-0.35	1.30e-05	0.01	3.43e-05	0.50
		-0.02	3.43e-05	0.0	0.0	100.0	-0.04	-0.70	1.30e-05	0.01	4.73e-05	-0.02
44	31	0.36	3.19e-05	-4.68e-06	-0.27	0.0	-0.03	-0.25	8.76e-06	8.65e-03	2.32e-05	0.36
		-0.02	2.32e-05	0.0	0.0	100.0	-0.03	-0.52	8.76e-06	8.65e-03	3.19e-05	-0.02
44	32	0.41	3.77e-05	-5.49e-06	-0.27	0.0	-0.03	-0.30	1.03e-05	0.01	2.74e-05	0.41
		-0.02	2.74e-05	0.0	0.0	100.0	-0.03	-0.57	1.03e-05	0.01	3.77e-05	-0.02
44	33	0.45	4.15e-05	-6.23e-06	-0.35	0.0	-0.04	-0.30	1.14e-05	0.01	3.01e-05	0.45
		-0.03	3.01e-05	0.0	0.0	100.0	-0.04	-0.65	1.14e-05	0.01	4.15e-05	-0.03
44	34	0.50	4.73e-05	-7.04e-06	-0.35	0.0	-0.04	-0.35	1.30e-05	0.01	3.43e-05	0.50
		-0.02	3.43e-05	0.0	0.0	100.0	-0.04	-0.70	1.30e-05	0.01	4.73e-05	-0.02
44	35	0.36	3.19e-05	-4.68e-06	-0.27	0.0	-0.03	-0.25	8.76e-06	8.65e-03	2.32e-05	0.36
		-0.02	2.32e-05	0.0	0.0	100.0	-0.03	-0.52	8.76e-06	8.65e-03	3.19e-05	-0.02
44	36	0.41	3.77e-05	-5.49e-06	-0.27	0.0	-0.03	-0.30	1.03e-05	0.01	2.74e-05	0.41
		-0.02	2.74e-05	0.0	0.0	100.0	-0.03	-0.57	1.03e-05	0.01	3.77e-05	-0.02
44	37	0.45	4.15e-05	-6.23e-06	-0.35	0.0	-0.04	-0.30	1.14e-05	0.01	3.01e-05	0.45
		-0.03	3.01e-05	0.0	0.0	100.0	-0.04	-0.65	1.14e-05	0.01	4.15e-05	-0.03
44	38	0.50	4.73e-05	-7.04e-06	-0.35	0.0	-0.04	-0.35	1.30e-05	0.01	3.43e-05	0.50
		-0.02	3.43e-05	0.0	0.0	100.0	-0.04	-0.70	1.30e-05	0.01	4.73e-05	-0.02
44	39	0.36	3.19e-05	-4.68e-06	-0.27	0.0	-0.03	-0.25	8.76e-06	8.65e-03	2.32e-05	0.36
		-0.02	2.32e-05	0.0	0.0	100.0	-0.03	-0.52	8.76e-06	8.65e-03	3.19e-05	-0.02
44	40	0.41	3.77e-05	-5.49e-06	-0.27	0.0	-0.03	-0.30	1.03e-05	0.01	2.74e-05	0.41
		-0.02	2.74e-05	0.0	0.0	100.0	-0.03	-0.57	1.03e-05	0.01	3.77e-05	-0.02
44	41	0.45	4.15e-05	-6.23e-06	-0.35	0.0	-0.04	-0.30	1.14e-05	0.01	3.01e-05	0.45
		-0.03	3.01e-05	0.0	0.0	100.0	-0.04	-0.65	1.14e-05	0.01	4.15e-05	-0.03
44	42	0.50	4.73e-05	-7.04e-06	-0.35	0.0	-0.04	-0.35	1.30e-05	0.01	3.43e-05	0.50
		-0.02	3.43e-05	0.0	0.0	100.0	-0.04	-0.70	1.30e-05	0.01	4.73e-05	-0.02
44	43	0.36	3.19e-05	-4.68e-06	-0.27	0.0	-0.03	-0.25	8.76e-06	8.65e-03	2.32e-05	0.36
		-0.02	2.32e-05	0.0	0.0	100.0	-0.03	-0.52	8.76e-06	8.65e-03	3.19e-05	-0.02
44	44	0.41	3.77e-05	-5.49e-06	-0.27	0.0	-0.03	-0.30	1.03e-05	0.01	2.74e-05	0.41
		-0.02	2.74e-05	0.0	0.0	100.0	-0.03	-0.57	1.03e-05	0.01	3.77e-05	-0.02
44	45	0.30	3.19e-05	-5.27e-06	-0.27	0.0	-0.02	-0.18	8.76e-06	8.65e-03	2.32e-05	0.30
		-8.97e-03	2.32e-05	0.0	0.0	100.0	-0.02	-0.44	8.76e-06	8.65e-03	3.19e-05	-8.97e-03
45	1	0.02	2.10e-05	-1.01e-06	-0.27	0.0	-0.03	0.13	-4.20e-05	4.05e-03	2.10e-05	-0.02
		-0.02	-2.10e-05	0.0	0.0	100.0	-0.03	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-0.02
45	2	0.02	2.61e-05	-1.09e-06	-0.27	0.0	-0.03	0.13	-5.21e-05	5.03e-03	2.61e-05	-0.01
		-0.01	-2.61e-05	0.0	0.0	100.0	-0.03	-0.13	-5.21e-05	5.03e-03	-2.61e-05	-0.01
45	3	8.70e-03	2.10e-05	0.0	-0.27	0.0	-0.03	0.13	-4.20e-05	4.05e-03	2.10e-05	-0.02
		-0.02	-2.10e-05	0.0	0.0	100.0	-0.03	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-0.02
45	4	0.01	2.35e-05	0.0	-0.27	0.0	-0.03	0.13	-4.70e-05	4.54e-03	2.35e-05	-0.02
		-0.02	-2.35e-05	0.0	0.0	100.0	-0.03	-0.13	-4.70e-05	4.54e-03	-2.35e-05	-0.02
45	5	0.02	2.10e-05	-1.01e-06	-0.27	0.0	-0.03	0.13	-4.20e-05	4.05e-03	2.10e-05	-0.02
		-0.02	-2.10e-05	0.0	0.0	100.0	-0.03	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-0.02
45	6	0.02	2.35e-05	-1.05e-06	-0.27	0.0	-0.03	0.13	-4.70e-05	4.54e-03	2.35e-05	-0.02
		-0.02	-2.35e-05	0.0	0.0	100.0	-0.03	-0.13	-4.70e-05	4.54e-03	-2.35e-05	-0.02
45	7	0.02	2.10e-05	-1.01e-06	-0.27	0.0	-0.03	0.13	-4.20e-05	4.05e-03	2.10e-05	-0.02
		-0.02	-2.10e-05	0.0	0.0	100.0	-0.03	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-0.02
45	8	0.02	2.35e-05	-1.05e-06	-0.27	0.0	-0.03	0.13	-4.70e-05	4.54e-03	2.35e-05	-0.02
		-0.02	-2.35e-05	0.0	0.0	100.0	-0.03	-0.13	-4.70e-05	4.54e-03	-2.35e-05	-0.02
45	9	0.02	2.10e-05	-1.01e-06	-0.27	0.0	-0.03	0.13	-4.20e-05	4.05e-03	2.10e-05	-0.02
		-0.02	-2.10e-05	0.0	0.0	100.0	-0.03	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-0.02
45	10	0.02	2.35e-05	-1.05e-06	-0.27	0.0	-0.03	0.13	-4.70e-05	4.54e-03	2.35e-05	-0.02
		-0.02	-2.35e-05	0.0	0.0	100.0	-0.03	-0.13	-4.70e-05	4.54e-03	-2.35e-05	-0.02
45	11	0.02	2.10e-05	-1.01e-06	-0.27	0.0	-0.03	0.13	-4.20e-05	4.05e-03	2.10e-05	-0.02
		-0.02	-2.10e-05	0.0	0.0	100.0	-0.03	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-0.02
45	12	0.02	2.35e-05	-1.05e-06	-0.27	0.0	-0.03	0.13	-4.70e-05	4.54e-03	2.35e-05	-0.02
		-0.02	-2.35e-05	0.0	0.0	100.0	-0.03	-0.13	-4.70e-05	4.54e-03	-2.35e-05	-0.02
45	13	0.02	2.10e-05	-1.19e-06	-0.27	0.0	-0.02	0.13	-4.20e-05	4.05e-03	2.10e-05	-9.11e-03
		-9.11e-03	-2.10e-05	0.0	0.0	100.0	-0.02	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-9.11e-03
45	14	0.03	2.20e-05	-1.21e-06	-0.27	0.0	-0.02	0.13	-4.40e-05	4.25e-03	2.20e-05	-8.24e-03
		-8.24e-03	-2.20e-05	0.0	0.0	100.0	-0.02	-0.13	-4.40e-05	4.25e-03	-2.20e-05	-8.24e-03
45	15	0.02	2.10e-05	-1.13e-06	-0.27	0.0	-0.02	0.13	-4.20e-05	4.05e-03	2.10e-05	-0.01
		-0.01	-2.10e-05	0.0	0.0	100.0	-0.02	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-0.01
45	16	0.02	2.10e-05	-1.19e-06	-0.27	0.0	-0.02	0.13	-4.20e-05	4.05e-03	2.10e-05	-9.11e-03
		-9.11e-03	-2.10e-05	0.0	0.0	100.0	-0.02	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-9.11e-03
45	17	0.02	2.10e-05	-1.19e-06	-0.27	0.0	-0.02	0.13	-4.20e-05	4.05e-03	2.10e-05	-9.11e-03
		-9.11e-03	-2.10e-05	0.0	0.0	100.0	-0.02	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-9.11e-03
45	18	0.02	2.10e-05	-1.19e-06	-0.27	0.0	-0.02	0.13	-4.20e-05	4.05e-03	2.10e-05	-9.11e-03
		-9.11e-03	-2.10e-05	0.0	0.0	100.0	-0.02	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-9.11e-03
45	19	0.02	2.10e-05	-1.19e-06	-0.27	0.0	-0.02	0.13	-4.20e-05	4.05e-03	2.10e-05	-9.11e-03
		-9.11e-03	-2.10e-05	0.0	0.0	100.0	-0.02	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-9.11e-03
45	20	0.02	2.10e-05	-1.19e-06	-0.27	0.0	-0.02	0.13	-4.20e-05	4.05e-03	2.10e-05	-9.11e-03
		-9.11e-03	-2.10e-05	0.0	0.0	100.0	-0.02	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-9.11e-03



45	21	0.02	2.73e-05	-1.28e-06	-0.35	0.0	-0.04	0.17	-5.46e-05	5.27e-03	2.73e-05	-0.03
		-0.03	-2.73e-05	0.0	0.0	100.0	-0.04	-0.17	-5.46e-05	5.27e-03	-2.73e-05	-0.03
45	22	0.02	3.49e-05	-1.40e-06	-0.35	0.0	-0.04	0.17	-6.98e-05	6.73e-03	3.49e-05	-0.02
		-0.02	-3.49e-05	0.0	0.0	100.0	-0.04	-0.17	-6.98e-05	6.73e-03	-3.49e-05	-0.02
45	23	0.01	2.10e-05	0.0	-0.27	0.0	-0.03	0.13	-4.20e-05	4.05e-03	2.10e-05	-0.02
		-0.02	-2.10e-05	0.0	0.0	100.0	-0.03	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-0.02
45	24	0.02	2.86e-05	-1.04e-06	-0.27	0.0	-0.04	0.13	-5.72e-05	5.52e-03	2.86e-05	-0.02
		-0.02	-2.86e-05	0.0	0.0	100.0	-0.04	-0.13	-5.72e-05	5.52e-03	-2.86e-05	-0.02
45	25	8.16e-03	2.73e-05	-1.10e-06	-0.35	0.0	-0.04	0.17	-5.46e-05	5.27e-03	2.73e-05	-0.04
		-0.04	-2.73e-05	0.0	0.0	100.0	-0.04	-0.17	-5.46e-05	5.27e-03	-2.73e-05	-0.04
45	26	0.01	3.11e-05	-1.16e-06	-0.35	0.0	-0.04	0.17	-6.22e-05	6.00e-03	3.11e-05	-0.03
		-0.03	-3.11e-05	0.0	0.0	100.0	-0.04	-0.17	-6.22e-05	6.00e-03	-3.11e-05	-0.03
45	27	8.09e-04	2.10e-05	0.0	-0.27	0.0	-0.03	0.13	-4.20e-05	4.05e-03	2.10e-05	-0.03
		-0.03	-2.10e-05	0.0	0.0	100.0	-0.03	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-0.03
45	28	4.07e-03	2.48e-05	0.0	-0.27	0.0	-0.04	0.13	-4.96e-05	4.79e-03	2.48e-05	-0.03
		-0.03	-2.48e-05	0.0	0.0	100.0	-0.04	-0.13	-4.96e-05	4.79e-03	-2.48e-05	-0.03
45	29	0.02	2.73e-05	-1.28e-06	-0.35	0.0	-0.04	0.17	-5.46e-05	5.27e-03	2.73e-05	-0.03
		-0.03	-2.73e-05	0.0	0.0	100.0	-0.04	-0.17	-5.46e-05	5.27e-03	-2.73e-05	-0.03
45	30	0.02	3.11e-05	-1.34e-06	-0.35	0.0	-0.04	0.17	-6.22e-05	6.00e-03	3.11e-05	-0.02
		-0.02	-3.11e-05	0.0	0.0	100.0	-0.04	-0.17	-6.22e-05	6.00e-03	-3.11e-05	-0.02
45	31	0.01	2.10e-05	0.0	-0.27	0.0	-0.03	0.13	-4.20e-05	4.05e-03	2.10e-05	-0.02
		-0.02	-2.10e-05	0.0	0.0	100.0	-0.03	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-0.02
45	32	0.01	2.48e-05	0.0	-0.27	0.0	-0.03	0.13	-4.96e-05	4.79e-03	2.48e-05	-0.02
		-0.02	-2.48e-05	0.0	0.0	100.0	-0.03	-0.13	-4.96e-05	4.79e-03	-2.48e-05	-0.02
45	33	0.02	2.73e-05	-1.28e-06	-0.35	0.0	-0.04	0.17	-5.46e-05	5.27e-03	2.73e-05	-0.03
		-0.03	-2.73e-05	0.0	0.0	100.0	-0.04	-0.17	-5.46e-05	5.27e-03	-2.73e-05	-0.03
45	34	0.02	3.11e-05	-1.34e-06	-0.35	0.0	-0.04	0.17	-6.22e-05	6.00e-03	3.11e-05	-0.02
		-0.02	-3.11e-05	0.0	0.0	100.0	-0.04	-0.17	-6.22e-05	6.00e-03	-3.11e-05	-0.02
45	35	0.01	2.10e-05	0.0	-0.27	0.0	-0.03	0.13	-4.20e-05	4.05e-03	2.10e-05	-0.02
		-0.02	-2.10e-05	0.0	0.0	100.0	-0.03	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-0.02
45	36	0.01	2.48e-05	0.0	-0.27	0.0	-0.03	0.13	-4.96e-05	4.79e-03	2.48e-05	-0.02
		-0.02	-2.48e-05	0.0	0.0	100.0	-0.03	-0.13	-4.96e-05	4.79e-03	-2.48e-05	-0.02
45	37	0.02	2.73e-05	-1.28e-06	-0.35	0.0	-0.04	0.17	-5.46e-05	5.27e-03	2.73e-05	-0.03
		-0.03	-2.73e-05	0.0	0.0	100.0	-0.04	-0.17	-5.46e-05	5.27e-03	-2.73e-05	-0.03
45	38	0.02	3.11e-05	-1.34e-06	-0.35	0.0	-0.04	0.17	-6.22e-05	6.00e-03	3.11e-05	-0.02
		-0.02	-3.11e-05	0.0	0.0	100.0	-0.04	-0.17	-6.22e-05	6.00e-03	-3.11e-05	-0.02
45	39	0.01	2.10e-05	0.0	-0.27	0.0	-0.03	0.13	-4.20e-05	4.05e-03	2.10e-05	-0.02
		-0.02	-2.10e-05	0.0	0.0	100.0	-0.03	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-0.02
45	40	0.01	2.48e-05	0.0	-0.27	0.0	-0.03	0.13	-4.96e-05	4.79e-03	2.48e-05	-0.02
		-0.02	-2.48e-05	0.0	0.0	100.0	-0.03	-0.13	-4.96e-05	4.79e-03	-2.48e-05	-0.02
45	41	0.02	2.73e-05	-1.28e-06	-0.35	0.0	-0.04	0.17	-5.46e-05	5.27e-03	2.73e-05	-0.03
		-0.03	-2.73e-05	0.0	0.0	100.0	-0.04	-0.17	-5.46e-05	5.27e-03	-2.73e-05	-0.03
45	42	0.02	3.11e-05	-1.34e-06	-0.35	0.0	-0.04	0.17	-6.22e-05	6.00e-03	3.11e-05	-0.02
		-0.02	-3.11e-05	0.0	0.0	100.0	-0.04	-0.17	-6.22e-05	6.00e-03	-3.11e-05	-0.02
45	43	0.01	2.10e-05	0.0	-0.27	0.0	-0.03	0.13	-4.20e-05	4.05e-03	2.10e-05	-0.02
		-0.02	-2.10e-05	0.0	0.0	100.0	-0.03	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-0.02
45	44	0.01	2.48e-05	0.0	-0.27	0.0	-0.03	0.13	-4.96e-05	4.79e-03	2.48e-05	-0.02
		-0.02	-2.48e-05	0.0	0.0	100.0	-0.03	-0.13	-4.96e-05	4.79e-03	-2.48e-05	-0.02
45	45	0.02	2.10e-05	-1.19e-06	-0.27	0.0	-0.02	0.13	-4.20e-05	4.05e-03	2.10e-05	-9.11e-03
		-9.11e-03	-2.10e-05	0.0	0.0	100.0	-0.02	-0.13	-4.20e-05	4.05e-03	-2.10e-05	-9.11e-03
46	1	0.34	-2.32e-05	-4.04e-06	-0.27	0.0	-0.03	0.49	8.76e-06	8.65e-03	-3.19e-05	-0.02
		-0.02	-3.19e-05	0.0	0.0	100.0	-0.03	0.22	8.76e-06	8.65e-03	-2.32e-05	0.34
46	2	0.41	-2.88e-05	-4.41e-06	-0.27	0.0	-0.03	0.56	1.09e-05	0.01	-3.96e-05	-0.01
		-0.01	-3.96e-05	0.0	0.0	100.0	-0.03	0.29	1.09e-05	0.01	-2.88e-05	0.41
46	3	0.36	-2.32e-05	-4.76e-06	-0.27	0.0	-0.03	0.52	8.76e-06	8.65e-03	-3.19e-05	-0.02
		-0.02	-3.19e-05	0.0	0.0	100.0	-0.03	0.26	8.76e-06	8.65e-03	-2.32e-05	0.36
46	4	0.40	-2.60e-05	-4.95e-06	-0.27	0.0	-0.03	0.56	9.81e-06	9.69e-03	-3.58e-05	-0.02
		-0.02	-3.58e-05	0.0	0.0	100.0	-0.03	0.29	9.81e-06	9.69e-03	-2.60e-05	0.40
46	5	0.34	-2.32e-05	-4.04e-06	-0.27	0.0	-0.03	0.49	8.76e-06	8.65e-03	-3.19e-05	-0.02
		-0.02	-3.19e-05	0.0	0.0	100.0	-0.03	0.22	8.76e-06	8.65e-03	-2.32e-05	0.34
46	6	0.38	-2.60e-05	-4.22e-06	-0.27	0.0	-0.03	0.53	9.81e-06	9.69e-03	-3.58e-05	-0.02
		-0.02	-3.58e-05	0.0	0.0	100.0	-0.03	0.26	9.81e-06	9.69e-03	-2.60e-05	0.38
46	7	0.34	-2.32e-05	-4.04e-06	-0.27	0.0	-0.03	0.49	8.76e-06	8.65e-03	-3.19e-05	-0.02
		-0.02	-3.19e-05	0.0	0.0	100.0	-0.03	0.22	8.76e-06	8.65e-03	-2.32e-05	0.34
46	8	0.38	-2.60e-05	-4.22e-06	-0.27	0.0	-0.03	0.53	9.81e-06	9.69e-03	-3.58e-05	-0.02
		-0.02	-3.58e-05	0.0	0.0	100.0	-0.03	0.26	9.81e-06	9.69e-03	-2.60e-05	0.38
46	9	0.34	-2.32e-05	-4.04e-06	-0.27	0.0	-0.03	0.49	8.76e-06	8.65e-03	-3.19e-05	-0.02
		-0.02	-3.19e-05	0.0	0.0	100.0	-0.03	0.22	8.76e-06	8.65e-03	-2.32e-05	0.34
46	10	0.38	-2.60e-05	-4.22e-06	-0.27	0.0	-0.03	0.53	9.81e-06	9.69e-03	-3.58e-05	-0.02
		-0.02	-3.58e-05	0.0	0.0	100.0	-0.03	0.26	9.81e-06	9.69e-03	-2.60e-05	0.38
46	11	0.34	-2.32e-05	-4.04e-06	-0.27	0.0	-0.03	0.49	8.76e-06	8.65e-03	-3.19e-05	-0.02
		-0.02	-3.19e-05	0.0	0.0	100.0	-0.03	0.22	8.76e-06	8.65e-03	-2.32e-05	0.34
46	12	0.38	-2.60e-05	-4.22e-06	-0.27	0.0	-0.03	0.53	9.81e-06	9.69e-03	-3.58e-05	-0.02
		-0.02	-3.58e-05	0.0	0.0	100.0	-0.03	0.26	9.81e-06	9.69e-03	-2.60e-05	0.38
46	13	0.30	-2.32e-05	-3.03e-06	-0.27	0.0	-0.02	0.44	8.76e-06	8.65e-03	-3.19e-05	-8.97e-03
		-8.97e-03	-3.19e-05	0.0	0.0	100.0	-0.02	0.18	8.76e-06	8.65e-03	-2.32e-05	0.30
46	14	0.32	-2.43e-05	-3.11e-06	-0.27	0.0	-0.02	0.46	9.18e-06	9.07e-03	-3.35e-05	-8.09e-03



46	15	-8.09e-03	-3.35e-05	0.0	0.0	100.0	-0.02	0.19	9.18e-06	9.07e-03	-2.43e-05	0.32
		0.31	-2.32e-05	-3.36e-06	-0.27	0.0	-0.02	0.46	8.76e-06	8.65e-03	-3.19e-05	-0.01
		-0.01	-3.19e-05	0.0	0.0	100.0	-0.02	0.19	8.76e-06	8.65e-03	-2.32e-05	0.31
46	16	0.30	-2.32e-05	-3.03e-06	-0.27	0.0	-0.02	0.44	8.76e-06	8.65e-03	-3.19e-05	-8.97e-03
		-8.97e-03	-3.19e-05	0.0	0.0	100.0	-0.02	0.18	8.76e-06	8.65e-03	-2.32e-05	0.30
46	17	0.30	-2.32e-05	-3.03e-06	-0.27	0.0	-0.02	0.44	8.76e-06	8.65e-03	-3.19e-05	-8.97e-03
		-8.97e-03	-3.19e-05	0.0	0.0	100.0	-0.02	0.18	8.76e-06	8.65e-03	-2.32e-05	0.30
46	18	0.30	-2.32e-05	-3.03e-06	-0.27	0.0	-0.02	0.44	8.76e-06	8.65e-03	-3.19e-05	-8.97e-03
		-8.97e-03	-3.19e-05	0.0	0.0	100.0	-0.02	0.18	8.76e-06	8.65e-03	-2.32e-05	0.30
46	19	0.30	-2.32e-05	-3.03e-06	-0.27	0.0	-0.02	0.44	8.76e-06	8.65e-03	-3.19e-05	-8.97e-03
		-8.97e-03	-3.19e-05	0.0	0.0	100.0	-0.02	0.18	8.76e-06	8.65e-03	-2.32e-05	0.30
46	20	0.30	-2.32e-05	-3.03e-06	-0.27	0.0	-0.02	0.44	8.76e-06	8.65e-03	-3.19e-05	-8.97e-03
		-8.97e-03	-3.19e-05	0.0	0.0	100.0	-0.02	0.18	8.76e-06	8.65e-03	-2.32e-05	0.30
46	21	0.45	-3.01e-05	-5.47e-06	-0.35	0.0	-0.04	0.65	1.14e-05	0.01	-4.15e-05	-0.03
		-0.03	-4.15e-05	0.0	0.0	100.0	-0.04	0.30	1.14e-05	0.01	-3.01e-05	0.45
46	22	0.56	-3.85e-05	-6.01e-06	-0.35	0.0	-0.04	0.75	1.46e-05	0.01	-5.31e-05	-0.02
		-0.02	-5.31e-05	0.0	0.0	100.0	-0.04	0.40	1.46e-05	0.01	-3.85e-05	0.56
46	23	0.36	-2.32e-05	-4.58e-06	-0.27	0.0	-0.03	0.52	8.76e-06	8.65e-03	-3.19e-05	-0.02
		-0.02	-3.19e-05	0.0	0.0	100.0	-0.03	0.25	8.76e-06	8.65e-03	-2.32e-05	0.36
46	24	0.47	-3.16e-05	-5.13e-06	-0.27	0.0	-0.04	0.62	1.19e-05	0.01	-4.35e-05	-0.02
		-0.02	-4.35e-05	0.0	0.0	100.0	-0.04	0.35	1.19e-05	0.01	-3.16e-05	0.47
46	25	0.49	-3.01e-05	-6.55e-06	-0.35	0.0	-0.04	0.70	1.14e-05	0.01	-4.15e-05	-0.04
		-0.04	-4.15e-05	0.0	0.0	100.0	-0.04	0.35	1.14e-05	0.01	-3.01e-05	0.49
46	26	0.54	-3.43e-05	-6.83e-06	-0.35	0.0	-0.04	0.75	1.30e-05	0.01	-4.73e-05	-0.03
		-0.03	-4.73e-05	0.0	0.0	100.0	-0.04	0.40	1.30e-05	0.01	-3.43e-05	0.54
46	27	0.40	-2.32e-05	-5.67e-06	-0.27	0.0	-0.03	0.56	8.76e-06	8.65e-03	-3.19e-05	-0.03
		-0.03	-3.19e-05	0.0	0.0	100.0	-0.03	0.30	8.76e-06	8.65e-03	-2.32e-05	0.40
46	28	0.45	-2.74e-05	-5.94e-06	-0.27	0.0	-0.04	0.62	1.03e-05	0.01	-3.77e-05	-0.03
		-0.03	-3.77e-05	0.0	0.0	100.0	-0.04	0.35	1.03e-05	0.01	-2.74e-05	0.45
46	29	0.45	-3.01e-05	-5.47e-06	-0.35	0.0	-0.04	0.65	1.14e-05	0.01	-4.15e-05	-0.03
		-0.03	-4.15e-05	0.0	0.0	100.0	-0.04	0.30	1.14e-05	0.01	-3.01e-05	0.45
46	30	0.50	-3.43e-05	-5.74e-06	-0.35	0.0	-0.04	0.70	1.30e-05	0.01	-4.73e-05	-0.02
		-0.02	-4.73e-05	0.0	0.0	100.0	-0.04	0.35	1.30e-05	0.01	-3.43e-05	0.50
46	31	0.36	-2.32e-05	-4.58e-06	-0.27	0.0	-0.03	0.52	8.76e-06	8.65e-03	-3.19e-05	-0.02
		-0.02	-3.19e-05	0.0	0.0	100.0	-0.03	0.25	8.76e-06	8.65e-03	-2.32e-05	0.36
46	32	0.41	-2.74e-05	-4.86e-06	-0.27	0.0	-0.03	0.57	1.03e-05	0.01	-3.77e-05	-0.02
		-0.02	-3.77e-05	0.0	0.0	100.0	-0.03	0.30	1.03e-05	0.01	-2.74e-05	0.41
46	33	0.45	-3.01e-05	-5.47e-06	-0.35	0.0	-0.04	0.65	1.14e-05	0.01	-4.15e-05	-0.03
		-0.03	-4.15e-05	0.0	0.0	100.0	-0.04	0.30	1.14e-05	0.01	-3.01e-05	0.45
46	34	0.50	-3.43e-05	-5.74e-06	-0.35	0.0	-0.04	0.70	1.30e-05	0.01	-4.73e-05	-0.02
		-0.02	-4.73e-05	0.0	0.0	100.0	-0.04	0.35	1.30e-05	0.01	-3.43e-05	0.50
46	35	0.36	-2.32e-05	-4.58e-06	-0.27	0.0	-0.03	0.52	8.76e-06	8.65e-03	-3.19e-05	-0.02
		-0.02	-3.19e-05	0.0	0.0	100.0	-0.03	0.25	8.76e-06	8.65e-03	-2.32e-05	0.36
46	36	0.41	-2.74e-05	-4.86e-06	-0.27	0.0	-0.03	0.57	1.03e-05	0.01	-3.77e-05	-0.02
		-0.02	-3.77e-05	0.0	0.0	100.0	-0.03	0.30	1.03e-05	0.01	-2.74e-05	0.41
46	37	0.45	-3.01e-05	-5.47e-06	-0.35	0.0	-0.04	0.65	1.14e-05	0.01	-4.15e-05	-0.03
		-0.03	-4.15e-05	0.0	0.0	100.0	-0.04	0.30	1.14e-05	0.01	-3.01e-05	0.45
46	38	0.50	-3.43e-05	-5.74e-06	-0.35	0.0	-0.04	0.70	1.30e-05	0.01	-4.73e-05	-0.02
		-0.02	-4.73e-05	0.0	0.0	100.0	-0.04	0.35	1.30e-05	0.01	-3.43e-05	0.50
46	39	0.36	-2.32e-05	-4.58e-06	-0.27	0.0	-0.03	0.52	8.76e-06	8.65e-03	-3.19e-05	-0.02
		-0.02	-3.19e-05	0.0	0.0	100.0	-0.03	0.25	8.76e-06	8.65e-03	-2.32e-05	0.36
46	40	0.41	-2.74e-05	-4.86e-06	-0.27	0.0	-0.03	0.57	1.03e-05	0.01	-3.77e-05	-0.02
		-0.02	-3.77e-05	0.0	0.0	100.0	-0.03	0.30	1.03e-05	0.01	-2.74e-05	0.41
46	41	0.45	-3.01e-05	-5.47e-06	-0.35	0.0	-0.04	0.65	1.14e-05	0.01	-4.15e-05	-0.03
		-0.03	-4.15e-05	0.0	0.0	100.0	-0.04	0.30	1.14e-05	0.01	-3.01e-05	0.45
46	42	0.50	-3.43e-05	-5.74e-06	-0.35	0.0	-0.04	0.70	1.30e-05	0.01	-4.73e-05	-0.02
		-0.02	-4.73e-05	0.0	0.0	100.0	-0.04	0.35	1.30e-05	0.01	-3.43e-05	0.50
46	43	0.36	-2.32e-05	-4.58e-06	-0.27	0.0	-0.03	0.52	8.76e-06	8.65e-03	-3.19e-05	-0.02
		-0.02	-3.19e-05	0.0	0.0	100.0	-0.03	0.25	8.76e-06	8.65e-03	-2.32e-05	0.36
46	44	0.41	-2.74e-05	-4.86e-06	-0.27	0.0	-0.03	0.57	1.03e-05	0.01	-3.77e-05	-0.02
		-0.02	-3.77e-05	0.0	0.0	100.0	-0.03	0.30	1.03e-05	0.01	-2.74e-05	0.41
46	45	0.30	-2.32e-05	-3.03e-06	-0.27	0.0	-0.02	0.44	8.76e-06	8.65e-03	-3.19e-05	-8.97e-03
		-8.97e-03	-3.19e-05	0.0	0.0	100.0	-0.02	0.18	8.76e-06	8.65e-03	-2.32e-05	0.30
47	1	1.07	3.61e-04	5.65e-05	-0.27	0.0	-0.02	0.86	4.04e-04	0.03	-4.32e-05	0.34
		0.34	-4.32e-05	0.0	0.0	100.0	-0.02	0.59	4.04e-04	0.03	3.61e-04	1.07
47	2	1.28	4.48e-04	6.87e-05	-0.27	0.0	-0.03	0.99	5.01e-04	0.04	-5.36e-05	0.42
		0.42	-5.36e-05	0.0	0.0	100.0	-0.03	0.72	5.01e-04	0.04	4.48e-04	1.28
47	3	1.17	3.61e-04	5.95e-05	-0.27	0.0	-0.02	0.94	4.04e-04	0.03	-4.32e-05	0.37
		0.37	-4.32e-05	0.0	0.0	100.0	-0.02	0.67	4.04e-04	0.03	3.61e-04	1.17
47	4	1.28	4.04e-04	6.56e-05	-0.27	0.0	-0.03	1.00	4.53e-04	0.04	-4.84e-05	0.41
		0.41	-4.84e-05	0.0	0.0	100.0	-0.03	0.74	4.53e-04	0.04	4.04e-04	1.28
47	5	1.07	3.61e-04	5.65e-05	-0.27	0.0	-0.02	0.86	4.04e-04	0.03	-4.32e-05	0.34
		0.34	-4.32e-05	0.0	0.0	100.0	-0.02	0.59	4.04e-04	0.03	3.61e-04	1.07
47	6	1.17	4.04e-04	6.26e-05	-0.27	0.0	-0.02	0.93	4.53e-04	0.04	-4.84e-05	0.38
		0.38	-4.84e-05	0.0	0.0	100.0	-0.02	0.66	4.53e-04	0.04	4.04e-04	1.17
47	7	1.07	3.61e-04	5.65e-05	-0.27	0.0	-0.02	0.86	4.04e-04	0.03	-4.32e-05	0.34
		0.34	-4.32e-05	0.0	0.0	100.0	-0.02	0.59	4.04e-04	0.03	3.61e-04	1.07



47	8	1.17	4.04e-04	6.26e-05	-0.27	0.0	-0.02	0.93	4.53e-04	0.04	-4.84e-05	0.38
		0.38	-4.84e-05	0.0	0.0	100.0	-0.02	0.66	4.53e-04	0.04	4.04e-04	1.17
47	9	1.07	3.61e-04	5.65e-05	-0.27	0.0	-0.02	0.86	4.04e-04	0.03	-4.32e-05	0.34
		0.34	-4.32e-05	0.0	0.0	100.0	-0.02	0.59	4.04e-04	0.03	3.61e-04	1.07
47	10	1.17	4.04e-04	6.26e-05	-0.27	0.0	-0.02	0.93	4.53e-04	0.04	-4.84e-05	0.38
		0.38	-4.84e-05	0.0	0.0	100.0	-0.02	0.66	4.53e-04	0.04	4.04e-04	1.17
47	11	1.07	3.61e-04	5.65e-05	-0.27	0.0	-0.02	0.86	4.04e-04	0.03	-4.32e-05	0.34
		0.34	-4.32e-05	0.0	0.0	100.0	-0.02	0.59	4.04e-04	0.03	3.61e-04	1.07
47	12	1.17	4.04e-04	6.26e-05	-0.27	0.0	-0.02	0.93	4.53e-04	0.04	-4.84e-05	0.38
		0.38	-4.84e-05	0.0	0.0	100.0	-0.02	0.66	4.53e-04	0.04	4.04e-04	1.17
47	13	0.91	3.61e-04	5.21e-05	-0.27	0.0	-0.02	0.74	4.04e-04	0.03	-4.32e-05	0.30
		0.30	-4.32e-05	0.0	0.0	100.0	-0.02	0.47	4.04e-04	0.03	3.61e-04	0.91
47	14	0.95	3.78e-04	5.45e-05	-0.27	0.0	-0.02	0.77	4.23e-04	0.04	-4.53e-05	0.32
		0.32	-4.53e-05	0.0	0.0	100.0	-0.02	0.50	4.23e-04	0.04	3.78e-04	0.95
47	15	0.96	3.61e-04	5.36e-05	-0.27	0.0	-0.02	0.78	4.04e-04	0.03	-4.32e-05	0.32
		0.32	-4.32e-05	0.0	0.0	100.0	-0.02	0.51	4.04e-04	0.03	3.61e-04	0.96
47	16	0.91	3.61e-04	5.21e-05	-0.27	0.0	-0.02	0.74	4.04e-04	0.03	-4.32e-05	0.30
		0.30	-4.32e-05	0.0	0.0	100.0	-0.02	0.47	4.04e-04	0.03	3.61e-04	0.91
47	17	0.91	3.61e-04	5.21e-05	-0.27	0.0	-0.02	0.74	4.04e-04	0.03	-4.32e-05	0.30
		0.30	-4.32e-05	0.0	0.0	100.0	-0.02	0.47	4.04e-04	0.03	3.61e-04	0.91
47	18	0.91	3.61e-04	5.21e-05	-0.27	0.0	-0.02	0.74	4.04e-04	0.03	-4.32e-05	0.30
		0.30	-4.32e-05	0.0	0.0	100.0	-0.02	0.47	4.04e-04	0.03	3.61e-04	0.91
47	19	0.91	3.61e-04	5.21e-05	-0.27	0.0	-0.02	0.74	4.04e-04	0.03	-4.32e-05	0.30
		0.30	-4.32e-05	0.0	0.0	100.0	-0.02	0.47	4.04e-04	0.03	3.61e-04	0.91
47	20	0.91	3.61e-04	5.21e-05	-0.27	0.0	-0.02	0.74	4.04e-04	0.03	-4.32e-05	0.30
		0.30	-4.32e-05	0.0	0.0	100.0	-0.02	0.47	4.04e-04	0.03	3.61e-04	0.91
47	21	1.42	4.69e-04	7.44e-05	-0.35	0.0	-0.03	1.14	5.25e-04	0.04	-5.62e-05	0.45
		0.45	-5.62e-05	0.0	0.0	100.0	-0.03	0.79	5.25e-04	0.04	4.69e-04	1.42
47	22	1.73	5.99e-04	9.26e-05	-0.35	0.0	-0.04	1.34	6.71e-04	0.06	-7.18e-05	0.57
		0.57	-7.18e-05	0.0	0.0	100.0	-0.04	0.99	6.71e-04	0.06	5.99e-04	1.73
47	23	1.15	3.61e-04	5.88e-05	-0.27	0.0	-0.02	0.92	4.04e-04	0.03	-4.32e-05	0.36
		0.36	-4.32e-05	0.0	0.0	100.0	-0.02	0.65	4.04e-04	0.03	3.61e-04	1.15
47	24	1.46	4.91e-04	7.70e-05	-0.27	0.0	-0.03	1.12	5.50e-04	0.05	-5.88e-05	0.48
		0.48	-5.88e-05	0.0	0.0	100.0	-0.03	0.85	5.50e-04	0.05	4.91e-04	1.46
47	25	1.58	4.69e-04	7.89e-05	-0.35	0.0	-0.03	1.26	5.25e-04	0.04	-5.62e-05	0.49
		0.49	-5.62e-05	0.0	0.0	100.0	-0.03	0.91	5.25e-04	0.04	4.69e-04	1.58
47	26	1.73	5.34e-04	8.80e-05	-0.35	0.0	-0.04	1.36	5.98e-04	0.05	-6.40e-05	0.55
		0.55	-6.40e-05	0.0	0.0	100.0	-0.04	1.01	5.98e-04	0.05	5.34e-04	1.73
47	27	1.30	3.61e-04	6.32e-05	-0.27	0.0	-0.03	1.04	4.04e-04	0.03	-4.32e-05	0.40
		0.40	-4.32e-05	0.0	0.0	100.0	-0.03	0.77	4.04e-04	0.03	3.61e-04	1.30
47	28	1.46	4.26e-04	7.23e-05	-0.27	0.0	-0.03	1.14	4.77e-04	0.04	-5.10e-05	0.46
		0.46	-5.10e-05	0.0	0.0	100.0	-0.03	0.87	4.77e-04	0.04	4.26e-04	1.46
47	29	1.42	4.69e-04	7.44e-05	-0.35	0.0	-0.03	1.14	5.25e-04	0.04	-5.62e-05	0.45
		0.45	-5.62e-05	0.0	0.0	100.0	-0.03	0.79	5.25e-04	0.04	4.69e-04	1.42
47	30	1.58	5.34e-04	8.35e-05	-0.35	0.0	-0.03	1.24	5.98e-04	0.05	-6.40e-05	0.51
		0.51	-6.40e-05	0.0	0.0	100.0	-0.03	0.89	5.98e-04	0.05	5.34e-04	1.58
47	31	1.15	3.61e-04	5.88e-05	-0.27	0.0	-0.02	0.92	4.04e-04	0.03	-4.32e-05	0.36
		0.36	-4.32e-05	0.0	0.0	100.0	-0.02	0.65	4.04e-04	0.03	3.61e-04	1.15
47	32	1.30	4.26e-04	6.79e-05	-0.27	0.0	-0.03	1.02	4.77e-04	0.04	-5.10e-05	0.42
		0.42	-5.10e-05	0.0	0.0	100.0	-0.03	0.75	4.77e-04	0.04	4.26e-04	1.30
47	33	1.42	4.69e-04	7.44e-05	-0.35	0.0	-0.03	1.14	5.25e-04	0.04	-5.62e-05	0.45
		0.45	-5.62e-05	0.0	0.0	100.0	-0.03	0.79	5.25e-04	0.04	4.69e-04	1.42
47	34	1.58	5.34e-04	8.35e-05	-0.35	0.0	-0.03	1.24	5.98e-04	0.05	-6.40e-05	0.51
		0.51	-6.40e-05	0.0	0.0	100.0	-0.03	0.89	5.98e-04	0.05	5.34e-04	1.58
47	35	1.15	3.61e-04	5.88e-05	-0.27	0.0	-0.02	0.92	4.04e-04	0.03	-4.32e-05	0.36
		0.36	-4.32e-05	0.0	0.0	100.0	-0.02	0.65	4.04e-04	0.03	3.61e-04	1.15
47	36	1.30	4.26e-04	6.79e-05	-0.27	0.0	-0.03	1.02	4.77e-04	0.04	-5.10e-05	0.42
		0.42	-5.10e-05	0.0	0.0	100.0	-0.03	0.75	4.77e-04	0.04	4.26e-04	1.30
47	37	1.42	4.69e-04	7.44e-05	-0.35	0.0	-0.03	1.14	5.25e-04	0.04	-5.62e-05	0.45
		0.45	-5.62e-05	0.0	0.0	100.0	-0.03	0.79	5.25e-04	0.04	4.69e-04	1.42
47	38	1.58	5.34e-04	8.35e-05	-0.35	0.0	-0.03	1.24	5.98e-04	0.05	-6.40e-05	0.51
		0.51	-6.40e-05	0.0	0.0	100.0	-0.03	0.89	5.98e-04	0.05	5.34e-04	1.58
47	39	1.15	3.61e-04	5.88e-05	-0.27	0.0	-0.02	0.92	4.04e-04	0.03	-4.32e-05	0.36
		0.36	-4.32e-05	0.0	0.0	100.0	-0.02	0.65	4.04e-04	0.03	3.61e-04	1.15
47	40	1.30	4.26e-04	6.79e-05	-0.27	0.0	-0.03	1.02	4.77e-04	0.04	-5.10e-05	0.42
		0.42	-5.10e-05	0.0	0.0	100.0	-0.03	0.75	4.77e-04	0.04	4.26e-04	1.30
47	41	1.42	4.69e-04	7.44e-05	-0.35	0.0	-0.03	1.14	5.25e-04	0.04	-5.62e-05	0.45
		0.45	-5.62e-05	0.0	0.0	100.0	-0.03	0.79	5.25e-04	0.04	4.69e-04	1.42
47	42	1.58	5.34e-04	8.35e-05	-0.35	0.0	-0.03	1.24	5.98e-04	0.05	-6.40e-05	0.51
		0.51	-6.40e-05	0.0	0.0	100.0	-0.03	0.89	5.98e-04	0.05	5.34e-04	1.58
47	43	1.15	3.61e-04	5.88e-05	-0.27	0.0	-0.02	0.92	4.04e-04	0.03	-4.32e-05	0.36
		0.36	-4.32e-05	0.0	0.0	100.0	-0.02	0.65	4.04e-04	0.03	3.61e-04	1.15
47	44	1.30	4.26e-04	6.79e-05	-0.27	0.0	-0.03	1.02	4.77e-04	0.04	-5.10e-05	0.42
		0.42	-5.10e-05	0.0	0.0	100.0	-0.03	0.75	4.77e-04	0.04	4.26e-04	1.30
47	45	0.91	3.61e-04	5.21e-05	-0.27	0.0	-0.02	0.74	4.04e-04	0.03	-4.32e-05	0.30
		0.30	-4.32e-05	0.0	0.0	100.0	-0.02	0.47	4.04e-04	0.03	3.61e-04	0.91
48	1	1.39	3.93e-04	2.24e-04	-0.27	0.0	2.25e-03	0.44	-8.53e-04	0.16	3.93e-04	1.09



48	2	1.09	-4.59e-04	0.0	0.0	100.0	2.25e-03	0.17	-8.53e-04	0.16	-4.59e-04	1.39
		1.63	4.88e-04	2.68e-04	-0.27	0.0	2.91e-03	0.46	-1.06e-03	0.20	4.88e-04	1.30
		1.30	-5.70e-04	0.0	0.0	100.0	2.91e-03	0.20	-1.06e-03	0.20	-5.70e-04	1.63
48	3	1.58	3.93e-04	2.43e-04	-0.27	0.0	2.06e-03	0.52	-8.53e-04	0.16	3.93e-04	1.19
		1.19	-4.59e-04	0.0	0.0	100.0	2.06e-03	0.25	-8.53e-04	0.16	-4.59e-04	1.58
48	4	1.70	4.41e-04	2.65e-04	-0.27	0.0	2.39e-03	0.53	-9.55e-04	0.18	4.41e-04	1.30
		1.30	-5.15e-04	0.0	0.0	100.0	2.39e-03	0.26	-9.55e-04	0.18	-5.15e-04	1.70
48	5	1.39	3.93e-04	2.24e-04	-0.27	0.0	2.25e-03	0.44	-8.53e-04	0.16	3.93e-04	1.09
		1.09	-4.59e-04	0.0	0.0	100.0	2.25e-03	0.17	-8.53e-04	0.16	-4.59e-04	1.39
48	6	1.51	4.41e-04	2.46e-04	-0.27	0.0	2.58e-03	0.45	-9.55e-04	0.18	4.41e-04	1.19
		1.19	-5.15e-04	0.0	0.0	100.0	2.58e-03	0.18	-9.55e-04	0.18	-5.15e-04	1.51
48	7	1.39	3.93e-04	2.24e-04	-0.27	0.0	2.25e-03	0.44	-8.53e-04	0.16	3.93e-04	1.09
		1.09	-4.59e-04	0.0	0.0	100.0	2.25e-03	0.17	-8.53e-04	0.16	-4.59e-04	1.39
48	8	1.51	4.41e-04	2.46e-04	-0.27	0.0	2.58e-03	0.45	-9.55e-04	0.18	4.41e-04	1.19
		1.19	-5.15e-04	0.0	0.0	100.0	2.58e-03	0.18	-9.55e-04	0.18	-5.15e-04	1.51
48	9	1.39	3.93e-04	2.24e-04	-0.27	0.0	2.25e-03	0.44	-8.53e-04	0.16	3.93e-04	1.09
		1.09	-4.59e-04	0.0	0.0	100.0	2.25e-03	0.17	-8.53e-04	0.16	-4.59e-04	1.39
48	10	1.51	4.41e-04	2.46e-04	-0.27	0.0	2.58e-03	0.45	-9.55e-04	0.18	4.41e-04	1.19
		1.19	-5.15e-04	0.0	0.0	100.0	2.58e-03	0.18	-9.55e-04	0.18	-5.15e-04	1.51
48	11	1.39	3.93e-04	2.24e-04	-0.27	0.0	2.25e-03	0.44	-8.53e-04	0.16	3.93e-04	1.09
		1.09	-4.59e-04	0.0	0.0	100.0	2.25e-03	0.17	-8.53e-04	0.16	-4.59e-04	1.39
48	12	1.51	4.41e-04	2.46e-04	-0.27	0.0	2.58e-03	0.45	-9.55e-04	0.18	4.41e-04	1.19
		1.19	-5.15e-04	0.0	0.0	100.0	2.58e-03	0.18	-9.55e-04	0.18	-5.15e-04	1.51
48	13	1.10	3.93e-04	1.95e-04	-0.27	0.0	2.55e-03	0.31	-8.53e-04	0.16	3.93e-04	0.93
		0.93	-4.59e-04	0.0	0.0	100.0	2.55e-03	0.04	-8.53e-04	0.16	-4.59e-04	1.10
48	14	1.15	4.12e-04	2.04e-04	-0.27	0.0	2.68e-03	0.32	-8.94e-04	0.17	4.12e-04	0.97
		0.97	-4.82e-04	0.0	0.0	100.0	2.68e-03	0.05	-8.94e-04	0.17	-4.82e-04	1.15
48	15	1.20	3.93e-04	2.05e-04	-0.27	0.0	2.45e-03	0.35	-8.53e-04	0.16	3.93e-04	0.98
		0.98	-4.59e-04	0.0	0.0	100.0	2.45e-03	0.08	-8.53e-04	0.16	-4.59e-04	1.20
48	16	1.10	3.93e-04	1.95e-04	-0.27	0.0	2.55e-03	0.31	-8.53e-04	0.16	3.93e-04	0.93
		0.93	-4.59e-04	0.0	0.0	100.0	2.55e-03	0.04	-8.53e-04	0.16	-4.59e-04	1.10
48	17	1.10	3.93e-04	1.95e-04	-0.27	0.0	2.55e-03	0.31	-8.53e-04	0.16	3.93e-04	0.93
		0.93	-4.59e-04	0.0	0.0	100.0	2.55e-03	0.04	-8.53e-04	0.16	-4.59e-04	1.10
48	18	1.10	3.93e-04	1.95e-04	-0.27	0.0	2.55e-03	0.31	-8.53e-04	0.16	3.93e-04	0.93
		0.93	-4.59e-04	0.0	0.0	100.0	2.55e-03	0.04	-8.53e-04	0.16	-4.59e-04	1.10
48	19	1.10	3.93e-04	1.95e-04	-0.27	0.0	2.55e-03	0.31	-8.53e-04	0.16	3.93e-04	0.93
		0.93	-4.59e-04	0.0	0.0	100.0	2.55e-03	0.04	-8.53e-04	0.16	-4.59e-04	1.10
48	20	1.10	3.93e-04	1.95e-04	-0.27	0.0	2.55e-03	0.31	-8.53e-04	0.16	3.93e-04	0.93
		0.93	-4.59e-04	0.0	0.0	100.0	2.55e-03	0.04	-8.53e-04	0.16	-4.59e-04	1.10
48	21	1.86	5.11e-04	2.97e-04	-0.35	0.0	2.87e-03	0.59	-1.11e-03	0.21	5.11e-04	1.45
		1.45	-5.97e-04	0.0	0.0	100.0	2.87e-03	0.24	-1.11e-03	0.21	-5.97e-04	1.86
48	22	2.22	6.53e-04	3.63e-04	-0.35	0.0	3.85e-03	0.63	-1.42e-03	0.27	6.53e-04	1.76
		1.76	-7.63e-04	0.0	0.0	100.0	3.85e-03	0.28	-1.42e-03	0.27	-7.63e-04	2.22
48	23	1.53	3.93e-04	2.38e-04	-0.27	0.0	2.11e-03	0.50	-8.53e-04	0.16	3.93e-04	1.17
		1.17	-4.59e-04	0.0	0.0	100.0	2.11e-03	0.23	-8.53e-04	0.16	-4.59e-04	1.53
48	24	1.89	5.35e-04	3.05e-04	-0.27	0.0	3.09e-03	0.54	-1.16e-03	0.22	5.35e-04	1.49
		1.49	-6.25e-04	0.0	0.0	100.0	3.09e-03	0.27	-1.16e-03	0.22	-6.25e-04	1.89
48	25	2.15	5.11e-04	3.26e-04	-0.35	0.0	2.58e-03	0.72	-1.11e-03	0.21	5.11e-04	1.60
		1.60	-5.97e-04	0.0	0.0	100.0	2.58e-03	0.37	-1.11e-03	0.21	-5.97e-04	2.15
48	26	2.33	5.82e-04	3.59e-04	-0.35	0.0	3.07e-03	0.74	-1.26e-03	0.24	5.82e-04	1.76
		1.76	-6.80e-04	0.0	0.0	100.0	3.07e-03	0.39	-1.26e-03	0.24	-6.80e-04	2.33
48	27	1.81	3.93e-04	2.67e-04	-0.27	0.0	1.81e-03	0.62	-8.53e-04	0.16	3.93e-04	1.33
		1.33	-4.59e-04	0.0	0.0	100.0	1.81e-03	0.35	-8.53e-04	0.16	-4.59e-04	1.81
48	28	2.00	4.64e-04	3.00e-04	-0.27	0.0	2.31e-03	0.64	-1.01e-03	0.19	4.64e-04	1.49
		1.49	-5.42e-04	0.0	0.0	100.0	2.31e-03	0.38	-1.01e-03	0.19	-5.42e-04	2.00
48	29	1.86	5.11e-04	2.97e-04	-0.35	0.0	2.87e-03	0.59	-1.11e-03	0.21	5.11e-04	1.45
		1.45	-5.97e-04	0.0	0.0	100.0	2.87e-03	0.24	-1.11e-03	0.21	-5.97e-04	1.86
48	30	2.04	5.82e-04	3.30e-04	-0.35	0.0	3.36e-03	0.61	-1.26e-03	0.24	5.82e-04	1.60
		1.60	-6.80e-04	0.0	0.0	100.0	3.36e-03	0.26	-1.26e-03	0.24	-6.80e-04	2.04
48	31	1.53	3.93e-04	2.38e-04	-0.27	0.0	2.11e-03	0.50	-8.53e-04	0.16	3.93e-04	1.17
		1.17	-4.59e-04	0.0	0.0	100.0	2.11e-03	0.23	-8.53e-04	0.16	-4.59e-04	1.53
48	32	1.71	4.64e-04	2.72e-04	-0.27	0.0	2.60e-03	0.52	-1.01e-03	0.19	4.64e-04	1.33
		1.33	-5.42e-04	0.0	0.0	100.0	2.60e-03	0.25	-1.01e-03	0.19	-5.42e-04	1.71
48	33	1.86	5.11e-04	2.97e-04	-0.35	0.0	2.87e-03	0.59	-1.11e-03	0.21	5.11e-04	1.45
		1.45	-5.97e-04	0.0	0.0	100.0	2.87e-03	0.24	-1.11e-03	0.21	-5.97e-04	1.86
48	34	2.04	5.82e-04	3.30e-04	-0.35	0.0	3.36e-03	0.61	-1.26e-03	0.24	5.82e-04	1.60
		1.60	-6.80e-04	0.0	0.0	100.0	3.36e-03	0.26	-1.26e-03	0.24	-6.80e-04	2.04
48	35	1.53	3.93e-04	2.38e-04	-0.27	0.0	2.11e-03	0.50	-8.53e-04	0.16	3.93e-04	1.17
		1.17	-4.59e-04	0.0	0.0	100.0	2.11e-03	0.23	-8.53e-04	0.16	-4.59e-04	1.53
48	36	1.71	4.64e-04	2.72e-04	-0.27	0.0	2.60e-03	0.52	-1.01e-03	0.19	4.64e-04	1.33
		1.33	-5.42e-04	0.0	0.0	100.0	2.60e-03	0.25	-1.01e-03	0.19	-5.42e-04	1.71
48	37	1.86	5.11e-04	2.97e-04	-0.35	0.0	2.87e-03	0.59	-1.11e-03	0.21	5.11e-04	1.45
		1.45	-5.97e-04	0.0	0.0	100.0	2.87e-03	0.24	-1.11e-03	0.21	-5.97e-04	1.86
48	38	2.04	5.82e-04	3.30e-04	-0.35	0.0	3.36e-03	0.61	-1.26e-03	0.24	5.82e-04	1.60
		1.60	-6.80e-04	0.0	0.0	100.0	3.36e-03	0.26	-1.26e-03	0.24	-6.80e-04	2.04
48	39	1.53	3.93e-04	2.38e-04	-0.27	0.0	2.11e-03	0.50	-8.53e-04	0.16	3.93e-04	1.17
		1.17	-4.59e-04	0.0	0.0	100.0	2.11e-03	0.23	-8.53e-04	0.16	-4.59e-04	1.53



48	40	1.71	4.64e-04	2.72e-04	-0.27	0.0	2.60e-03	0.52	-1.01e-03	0.19	4.64e-04	1.33
		1.33	-5.42e-04	0.0	0.0	100.0	2.60e-03	0.25	-1.01e-03	0.19	-5.42e-04	1.71
48	41	1.86	5.11e-04	2.97e-04	-0.35	0.0	2.87e-03	0.59	-1.11e-03	0.21	5.11e-04	1.45
		1.45	-5.97e-04	0.0	0.0	100.0	2.87e-03	0.24	-1.11e-03	0.21	-5.97e-04	1.86
48	42	2.04	5.82e-04	3.30e-04	-0.35	0.0	3.36e-03	0.61	-1.26e-03	0.24	5.82e-04	1.60
		1.60	-6.80e-04	0.0	0.0	100.0	3.36e-03	0.26	-1.26e-03	0.24	-6.80e-04	2.04
48	43	1.53	3.93e-04	2.38e-04	-0.27	0.0	2.11e-03	0.50	-8.53e-04	0.16	3.93e-04	1.17
		1.17	-4.59e-04	0.0	0.0	100.0	2.11e-03	0.23	-8.53e-04	0.16	-4.59e-04	1.53
48	44	1.71	4.64e-04	2.72e-04	-0.27	0.0	2.60e-03	0.52	-1.01e-03	0.19	4.64e-04	1.33
		1.33	-5.42e-04	0.0	0.0	100.0	2.60e-03	0.25	-1.01e-03	0.19	-5.42e-04	1.71
48	45	1.10	3.93e-04	1.95e-04	-0.27	0.0	2.55e-03	0.31	-8.53e-04	0.16	3.93e-04	0.93
		0.93	-4.59e-04	0.0	0.0	100.0	2.55e-03	0.04	-8.53e-04	0.16	-4.59e-04	1.10
49	1	1.44	4.33e-05	4.42e-04	-0.27	0.0	0.06	-1.36	4.81e-04	0.03	-4.38e-04	1.44
		-0.06	-4.38e-04	0.0	0.0	100.0	0.06	-1.63	4.81e-04	0.03	4.33e-05	-0.06
49	2	1.68	5.38e-05	5.23e-04	-0.27	0.0	0.07	-1.62	5.97e-04	0.04	-5.43e-04	1.68
		-0.07	-5.43e-04	0.0	0.0	100.0	0.07	-1.89	5.97e-04	0.04	5.38e-05	-0.07
49	3	1.63	4.33e-05	4.90e-04	-0.27	0.0	0.07	-1.56	4.81e-04	0.03	-4.38e-04	1.63
		-0.07	-4.38e-04	0.0	0.0	100.0	0.07	-1.83	4.81e-04	0.03	4.33e-05	-0.07
49	4	1.75	4.86e-05	5.31e-04	-0.27	0.0	0.07	-1.69	5.39e-04	0.04	-4.91e-04	1.75
		-0.07	-4.91e-04	0.0	0.0	100.0	0.07	-1.96	5.39e-04	0.04	4.86e-05	-0.07
49	5	1.44	4.33e-05	4.42e-04	-0.27	0.0	0.06	-1.36	4.81e-04	0.03	-4.38e-04	1.44
		-0.06	-4.38e-04	0.0	0.0	100.0	0.06	-1.63	4.81e-04	0.03	4.33e-05	-0.06
49	6	1.56	4.86e-05	4.82e-04	-0.27	0.0	0.07	-1.49	5.39e-04	0.04	-4.91e-04	1.56
		-0.07	-4.91e-04	0.0	0.0	100.0	0.07	-1.76	5.39e-04	0.04	4.86e-05	-0.07
49	7	1.44	4.33e-05	4.42e-04	-0.27	0.0	0.06	-1.36	4.81e-04	0.03	-4.38e-04	1.44
		-0.06	-4.38e-04	0.0	0.0	100.0	0.06	-1.63	4.81e-04	0.03	4.33e-05	-0.06
49	8	1.56	4.86e-05	4.82e-04	-0.27	0.0	0.07	-1.49	5.39e-04	0.04	-4.91e-04	1.56
		-0.07	-4.91e-04	0.0	0.0	100.0	0.07	-1.76	5.39e-04	0.04	4.86e-05	-0.07
49	9	1.44	4.33e-05	4.42e-04	-0.27	0.0	0.06	-1.36	4.81e-04	0.03	-4.38e-04	1.44
		-0.06	-4.38e-04	0.0	0.0	100.0	0.06	-1.63	4.81e-04	0.03	4.33e-05	-0.06
49	10	1.56	4.86e-05	4.82e-04	-0.27	0.0	0.07	-1.49	5.39e-04	0.04	-4.91e-04	1.56
		-0.07	-4.91e-04	0.0	0.0	100.0	0.07	-1.76	5.39e-04	0.04	4.86e-05	-0.07
49	11	1.44	4.33e-05	4.42e-04	-0.27	0.0	0.06	-1.36	4.81e-04	0.03	-4.38e-04	1.44
		-0.06	-4.38e-04	0.0	0.0	100.0	0.06	-1.63	4.81e-04	0.03	4.33e-05	-0.06
49	12	1.56	4.86e-05	4.82e-04	-0.27	0.0	0.07	-1.49	5.39e-04	0.04	-4.91e-04	1.56
		-0.07	-4.91e-04	0.0	0.0	100.0	0.07	-1.76	5.39e-04	0.04	4.86e-05	-0.07
49	13	1.14	4.33e-05	3.70e-04	-0.27	0.0	0.05	-1.06	4.81e-04	0.03	-4.38e-04	1.14
		-0.05	-4.38e-04	0.0	0.0	100.0	0.05	-1.33	4.81e-04	0.03	4.33e-05	-0.05
49	14	1.19	4.54e-05	3.86e-04	-0.27	0.0	0.05	-1.11	5.04e-04	0.03	-4.59e-04	1.19
		-0.05	-4.59e-04	0.0	0.0	100.0	0.05	-1.38	5.04e-04	0.03	4.54e-05	-0.05
49	15	1.24	4.33e-05	3.94e-04	-0.27	0.0	0.05	-1.16	4.81e-04	0.03	-4.38e-04	1.24
		-0.05	-4.38e-04	0.0	0.0	100.0	0.05	-1.43	4.81e-04	0.03	4.33e-05	-0.05
49	16	1.14	4.33e-05	3.70e-04	-0.27	0.0	0.05	-1.06	4.81e-04	0.03	-4.38e-04	1.14
		-0.05	-4.38e-04	0.0	0.0	100.0	0.05	-1.33	4.81e-04	0.03	4.33e-05	-0.05
49	17	1.14	4.33e-05	3.70e-04	-0.27	0.0	0.05	-1.06	4.81e-04	0.03	-4.38e-04	1.14
		-0.05	-4.38e-04	0.0	0.0	100.0	0.05	-1.33	4.81e-04	0.03	4.33e-05	-0.05
49	18	1.14	4.33e-05	3.70e-04	-0.27	0.0	0.05	-1.06	4.81e-04	0.03	-4.38e-04	1.14
		-0.05	-4.38e-04	0.0	0.0	100.0	0.05	-1.33	4.81e-04	0.03	4.33e-05	-0.05
49	19	1.14	4.33e-05	3.70e-04	-0.27	0.0	0.05	-1.06	4.81e-04	0.03	-4.38e-04	1.14
		-0.05	-4.38e-04	0.0	0.0	100.0	0.05	-1.33	4.81e-04	0.03	4.33e-05	-0.05
49	20	1.14	4.33e-05	3.70e-04	-0.27	0.0	0.05	-1.06	4.81e-04	0.03	-4.38e-04	1.14
		-0.05	-4.38e-04	0.0	0.0	100.0	0.05	-1.33	4.81e-04	0.03	4.33e-05	-0.05
49	21	1.92	5.63e-05	5.89e-04	-0.35	0.0	0.08	-1.83	6.26e-04	0.04	-5.69e-04	1.92
		-0.08	-5.69e-04	0.0	0.0	100.0	0.08	-2.18	6.26e-04	0.04	5.63e-05	-0.08
49	22	2.30	7.20e-05	7.11e-04	-0.35	0.0	0.10	-2.22	8.00e-04	0.05	-7.28e-04	2.30
		-0.10	-7.28e-04	0.0	0.0	100.0	0.10	-2.57	8.00e-04	0.05	7.20e-05	-0.10
49	23	1.58	4.33e-05	4.78e-04	-0.27	0.0	0.06	-1.51	4.81e-04	0.03	-4.38e-04	1.58
		-0.07	-4.38e-04	0.0	0.0	100.0	0.06	-1.78	4.81e-04	0.03	4.33e-05	-0.07
49	24	1.96	5.90e-05	6.00e-04	-0.27	0.0	0.08	-1.90	6.55e-04	0.04	-5.96e-04	1.96
		-0.08	-5.96e-04	0.0	0.0	100.0	0.08	-2.17	6.55e-04	0.04	5.90e-05	-0.08
49	25	2.22	5.63e-05	6.61e-04	-0.35	0.0	0.09	-2.13	6.26e-04	0.04	-5.69e-04	2.22
		-0.09	-5.69e-04	0.0	0.0	100.0	0.09	-2.48	6.26e-04	0.04	5.63e-05	-0.09
49	26	2.40	6.42e-05	7.22e-04	-0.35	0.0	0.10	-2.33	7.13e-04	0.05	-6.48e-04	2.40
		-0.10	-6.48e-04	0.0	0.0	100.0	0.10	-2.68	7.13e-04	0.05	6.42e-05	-0.10
49	27	1.87	4.33e-05	5.50e-04	-0.27	0.0	0.07	-1.81	4.81e-04	0.03	-4.38e-04	1.87
		-0.08	-4.38e-04	0.0	0.0	100.0	0.07	-2.08	4.81e-04	0.03	4.33e-05	-0.08
49	28	2.06	5.12e-05	6.11e-04	-0.27	0.0	0.08	-2.01	5.68e-04	0.04	-5.17e-04	2.06
		-0.09	-5.17e-04	0.0	0.0	100.0	0.08	-2.28	5.68e-04	0.04	5.12e-05	-0.09
49	29	1.92	5.63e-05	5.89e-04	-0.35	0.0	0.08	-1.83	6.26e-04	0.04	-5.69e-04	1.92
		-0.08	-5.69e-04	0.0	0.0	100.0	0.08	-2.18	6.26e-04	0.04	5.63e-05	-0.08
49	30	2.11	6.42e-05	6.50e-04	-0.35	0.0	0.09	-2.03	7.13e-04	0.05	-6.48e-04	2.11
		-0.09	-6.48e-04	0.0	0.0	100.0	0.09	-2.38	7.13e-04	0.05	6.42e-05	-0.09
49	31	1.58	4.33e-05	4.78e-04	-0.27	0.0	0.06	-1.51	4.81e-04	0.03	-4.38e-04	1.58
		-0.07	-4.38e-04	0.0	0.0	100.0	0.06	-1.78	4.81e-04	0.03	4.33e-05	-0.07
49	32	1.77	5.12e-05	5.39e-04	-0.27	0.0	0.07	-1.71	5.68e-04	0.04	-5.17e-04	1.77
		-0.08	-5.17e-04	0.0	0.0	100.0	0.07	-1.98	5.68e-04	0.04	5.12e-05	-0.08
49	33	1.92	5.63e-05	5.89e-04	-0.35	0.0	0.08	-1.83	6.26e-04	0.04	-5.69e-04	1.92



		-0.08	-5.69e-04	0.0	0.0	100.0	0.08	-2.18	6.26e-04	0.04	5.63e-05	-0.08
49	34	2.11	6.42e-05	6.50e-04	-0.35	0.0	0.09	-2.03	7.13e-04	0.05	-6.48e-04	2.11
		-0.09	-6.48e-04	0.0	0.0	100.0	0.09	-2.38	7.13e-04	0.05	6.42e-05	-0.09
49	35	1.58	4.33e-05	4.78e-04	-0.27	0.0	0.06	-1.51	4.81e-04	0.03	-4.38e-04	1.58
		-0.07	-4.38e-04	0.0	0.0	100.0	0.06	-1.78	4.81e-04	0.03	4.33e-05	-0.07
49	36	1.77	5.12e-05	5.39e-04	-0.27	0.0	0.07	-1.71	5.68e-04	0.04	-5.17e-04	1.77
		-0.08	-5.17e-04	0.0	0.0	100.0	0.07	-1.98	5.68e-04	0.04	5.12e-05	-0.08
49	37	1.92	5.63e-05	5.89e-04	-0.35	0.0	0.08	-1.83	6.26e-04	0.04	-5.69e-04	1.92
		-0.08	-5.69e-04	0.0	0.0	100.0	0.08	-2.18	6.26e-04	0.04	5.63e-05	-0.08
49	38	2.11	6.42e-05	6.50e-04	-0.35	0.0	0.09	-2.03	7.13e-04	0.05	-6.48e-04	2.11
		-0.09	-6.48e-04	0.0	0.0	100.0	0.09	-2.38	7.13e-04	0.05	6.42e-05	-0.09
49	39	1.58	4.33e-05	4.78e-04	-0.27	0.0	0.06	-1.51	4.81e-04	0.03	-4.38e-04	1.58
		-0.07	-4.38e-04	0.0	0.0	100.0	0.06	-1.78	4.81e-04	0.03	4.33e-05	-0.07
49	40	1.77	5.12e-05	5.39e-04	-0.27	0.0	0.07	-1.71	5.68e-04	0.04	-5.17e-04	1.77
		-0.08	-5.17e-04	0.0	0.0	100.0	0.07	-1.98	5.68e-04	0.04	5.12e-05	-0.08
49	41	1.92	5.63e-05	5.89e-04	-0.35	0.0	0.08	-1.83	6.26e-04	0.04	-5.69e-04	1.92
		-0.08	-5.69e-04	0.0	0.0	100.0	0.08	-2.18	6.26e-04	0.04	5.63e-05	-0.08
49	42	2.11	6.42e-05	6.50e-04	-0.35	0.0	0.09	-2.03	7.13e-04	0.05	-6.48e-04	2.11
		-0.09	-6.48e-04	0.0	0.0	100.0	0.09	-2.38	7.13e-04	0.05	6.42e-05	-0.09
49	43	1.58	4.33e-05	4.78e-04	-0.27	0.0	0.06	-1.51	4.81e-04	0.03	-4.38e-04	1.58
		-0.07	-4.38e-04	0.0	0.0	100.0	0.06	-1.78	4.81e-04	0.03	4.33e-05	-0.07
49	44	1.77	5.12e-05	5.39e-04	-0.27	0.0	0.07	-1.71	5.68e-04	0.04	-5.17e-04	1.77
		-0.08	-5.17e-04	0.0	0.0	100.0	0.07	-1.98	5.68e-04	0.04	5.12e-05	-0.08
49	45	1.14	4.33e-05	3.70e-04	-0.27	0.0	0.05	-1.06	4.81e-04	0.03	-4.38e-04	1.14
		-0.05	-4.38e-04	0.0	0.0	100.0	0.05	-1.33	4.81e-04	0.03	4.33e-05	-0.05
50	1	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.05	-0.10	0.04	9.87e-04
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.05	-0.10	-0.02	-0.02
50	2	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.06	-0.12	0.04	1.19e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.06	-0.12	-0.02	-0.02
50	3	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.06	-0.11	0.04	1.11e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.06	-0.11	-0.02	-0.02
50	4	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.06	-0.12	0.04	1.21e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.06	-0.12	-0.02	-0.02
50	5	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.05	-0.10	0.04	9.87e-04
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.05	-0.10	-0.02	-0.02
50	6	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.06	-0.11	0.04	1.09e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.06	-0.11	-0.02	-0.02
50	7	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.05	-0.10	0.04	9.87e-04
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.05	-0.10	-0.02	-0.02
50	8	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.06	-0.11	0.04	1.09e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.06	-0.11	-0.02	-0.02
50	9	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.05	-0.10	0.04	9.87e-04
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.05	-0.10	-0.02	-0.02
50	10	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.06	-0.11	0.04	1.09e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.06	-0.11	-0.02	-0.02
50	11	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.05	-0.10	0.04	9.87e-04
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.05	-0.10	-0.02	-0.02
50	12	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.06	-0.11	0.04	1.09e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.06	-0.11	-0.02	-0.02
50	13	0.02	0.03	-1.15e-06	-0.27	0.0	0.0	0.11	-0.05	-0.09	0.03	8.07e-04
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.16	-0.05	-0.09	-0.01	-0.02
50	14	0.02	0.03	-1.16e-06	-0.27	0.0	0.0	0.11	-0.05	-0.09	0.03	8.48e-04
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.05	-0.09	-0.02	-0.02
50	15	0.02	0.03	-1.16e-06	-0.27	0.0	0.0	0.11	-0.05	-0.09	0.03	8.67e-04
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.05	-0.09	-0.02	-0.02
50	16	0.02	0.03	-1.15e-06	-0.27	0.0	0.0	0.11	-0.05	-0.09	0.03	8.07e-04
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.16	-0.05	-0.09	-0.01	-0.02
50	17	0.02	0.03	-1.15e-06	-0.27	0.0	0.0	0.11	-0.05	-0.09	0.03	8.07e-04
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.16	-0.05	-0.09	-0.01	-0.02
50	18	0.02	0.03	-1.15e-06	-0.27	0.0	0.0	0.11	-0.05	-0.09	0.03	8.07e-04
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.16	-0.05	-0.09	-0.01	-0.02
50	19	0.02	0.03	-1.15e-06	-0.27	0.0	0.0	0.11	-0.05	-0.09	0.03	8.07e-04
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.16	-0.05	-0.09	-0.01	-0.02
50	20	0.02	0.03	-1.15e-06	-0.27	0.0	0.0	0.11	-0.05	-0.09	0.03	8.07e-04
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.16	-0.05	-0.09	-0.01	-0.02
50	21	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.14	-0.07	-0.13	0.05	1.32e-03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.21	-0.07	-0.13	-0.02	-0.03
50	22	0.03	0.06	-1.51e-06	-0.35	0.0	0.0	0.14	-0.09	-0.16	0.06	1.62e-03
		-0.03	-0.03	0.0	0.0	100.0	0.0	-0.21	-0.09	-0.16	-0.03	-0.03
50	23	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.06	-0.10	0.04	1.08e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.06	-0.10	-0.02	-0.02
50	24	0.02	0.05	-1.16e-06	-0.27	0.0	0.0	0.11	-0.07	-0.13	0.05	1.38e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.07	-0.13	-0.02	-0.02
50	25	0.03	0.06	-1.50e-06	-0.35	0.0	0.0	0.14	-0.08	-0.14	0.06	1.50e-03
		-0.03	-0.03	0.0	0.0	100.0	0.0	-0.21	-0.08	-0.14	-0.03	-0.03
50	26	0.03	0.06	-1.51e-06	-0.35	0.0	0.0	0.14	-0.09	-0.16	0.06	1.65e-03
		-0.03	-0.03	0.0	0.0	100.0	0.0	-0.21	-0.09	-0.16	-0.03	-0.03



50	27	0.02	0.05	-1.16e-06	-0.27	0.0	0.0	0.11	-0.07	-0.12	0.05	1.26e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.07	-0.12	-0.02	-0.02
50	28	0.02	0.05	-1.16e-06	-0.27	0.0	0.0	0.11	-0.07	-0.13	0.05	1.41e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.07	-0.13	-0.02	-0.02
50	29	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.14	-0.07	-0.13	0.05	1.32e-03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.21	-0.07	-0.13	-0.02	-0.03
50	30	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.14	-0.08	-0.14	0.05	1.47e-03
		-0.03	-0.03	0.0	0.0	100.0	0.0	-0.21	-0.08	-0.14	-0.03	-0.03
50	31	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.06	-0.10	0.04	1.08e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.06	-0.10	-0.02	-0.02
50	32	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.07	-0.12	0.04	1.23e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.07	-0.12	-0.02	-0.02
50	33	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.14	-0.07	-0.13	0.05	1.32e-03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.21	-0.07	-0.13	-0.02	-0.03
50	34	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.14	-0.08	-0.14	0.05	1.47e-03
		-0.03	-0.03	0.0	0.0	100.0	0.0	-0.21	-0.08	-0.14	-0.03	-0.03
50	35	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.06	-0.10	0.04	1.08e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.06	-0.10	-0.02	-0.02
50	36	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.07	-0.12	0.04	1.23e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.07	-0.12	-0.02	-0.02
50	37	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.14	-0.07	-0.13	0.05	1.32e-03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.21	-0.07	-0.13	-0.02	-0.03
50	38	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.14	-0.08	-0.14	0.05	1.47e-03
		-0.03	-0.03	0.0	0.0	100.0	0.0	-0.21	-0.08	-0.14	-0.03	-0.03
50	39	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.06	-0.10	0.04	1.08e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.06	-0.10	-0.02	-0.02
50	40	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.07	-0.12	0.04	1.23e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.07	-0.12	-0.02	-0.02
50	41	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.14	-0.07	-0.13	0.05	1.32e-03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.21	-0.07	-0.13	-0.02	-0.03
50	42	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.14	-0.08	-0.14	0.05	1.47e-03
		-0.03	-0.03	0.0	0.0	100.0	0.0	-0.21	-0.08	-0.14	-0.03	-0.03
50	43	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.06	-0.10	0.04	1.08e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.06	-0.10	-0.02	-0.02
50	44	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.11	-0.07	-0.12	0.04	1.23e-03
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.16	-0.07	-0.12	-0.02	-0.02
50	45	0.02	0.03	-1.15e-06	-0.27	0.0	0.0	0.11	-0.05	-0.09	0.03	8.07e-04
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.16	-0.05	-0.09	-0.01	-0.02
51	1	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	0.01	-0.02
		-0.02	-6.89e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-6.89e-03	-0.02
51	2	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.34	0.01	-0.02
		-0.02	-8.26e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.34	-8.26e-03	-0.02
51	3	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	0.01	-0.02
		-0.02	-7.46e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-7.46e-03	-0.02
51	4	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.31	0.01	-0.02
		-0.02	-8.14e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.31	-8.14e-03	-0.02
51	5	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	0.01	-0.02
		-0.02	-6.89e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-6.89e-03	-0.02
51	6	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.31	0.01	-0.02
		-0.02	-7.58e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.31	-7.58e-03	-0.02
51	7	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	0.01	-0.02
		-0.02	-6.89e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-6.89e-03	-0.02
51	8	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.31	0.01	-0.02
		-0.02	-7.58e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.31	-7.58e-03	-0.02
51	9	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	0.01	-0.02
		-0.02	-6.89e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-6.89e-03	-0.02
51	10	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.31	0.01	-0.02
		-0.02	-7.58e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.31	-7.58e-03	-0.02
51	11	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	0.01	-0.02
		-0.02	-6.89e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-6.89e-03	-0.02
51	12	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.31	0.01	-0.02
		-0.02	-7.58e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.31	-7.58e-03	-0.02
51	13	0.01	9.96e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.27	9.96e-03	-0.02
		-0.02	-6.04e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.27	-6.04e-03	-0.02
51	14	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	0.01	-0.02
		-0.02	-6.32e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-6.32e-03	-0.02
51	15	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.27	0.01	-0.02
		-0.02	-6.33e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.27	-6.33e-03	-0.02
51	16	0.01	9.96e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.27	9.96e-03	-0.02
		-0.02	-6.04e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.27	-6.04e-03	-0.02
51	17	0.01	9.96e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.27	9.96e-03	-0.02
		-0.02	-6.04e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.27	-6.04e-03	-0.02
51	18	0.01	9.96e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.27	9.96e-03	-0.02
		-0.02	-6.04e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.27	-6.04e-03	-0.02
51	19	0.01	9.96e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.27	9.96e-03	-0.02
		-0.02	-6.04e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.27	-6.04e-03	-0.02
51	20	0.01	9.96e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.27	9.96e-03	-0.02



51	21	-0.02	-6.04e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.27	-6.04e-03	-0.02
		0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.17	-0.02	-0.36	0.02	-0.03
		-0.03	-9.13e-03	0.0	0.0	100.0	0.0	-0.18	-0.02	-0.36	-9.13e-03	-0.03
51	22	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.17	-0.03	-0.46	0.02	-0.03
		-0.03	-0.01	0.0	0.0	100.0	0.0	-0.18	-0.03	-0.46	-0.01	-0.03
51	23	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	0.01	-0.02
		-0.02	-7.32e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-7.32e-03	-0.02
51	24	0.01	0.02	0.0	-0.27	0.0	0.0	0.13	-0.03	-0.38	0.02	-0.02
		-0.02	-9.37e-03	0.0	0.0	100.0	0.0	-0.13	-0.03	-0.38	-9.37e-03	-0.02
51	25	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.17	-0.03	-0.37	0.02	-0.03
		-0.03	-9.98e-03	0.0	0.0	100.0	0.0	-0.18	-0.03	-0.37	-9.98e-03	-0.03
51	26	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.17	-0.03	-0.42	0.02	-0.03
		-0.03	-0.01	0.0	0.0	100.0	0.0	-0.18	-0.03	-0.42	-0.01	-0.03
51	27	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.29	0.01	-0.02
		-0.02	-8.16e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.29	-8.16e-03	-0.02
51	28	0.01	0.02	0.0	-0.27	0.0	0.0	0.13	-0.03	-0.34	0.02	-0.02
		-0.02	-9.19e-03	0.0	0.0	100.0	0.0	-0.13	-0.03	-0.34	-9.19e-03	-0.02
51	29	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.17	-0.02	-0.36	0.02	-0.03
		-0.03	-9.13e-03	0.0	0.0	100.0	0.0	-0.18	-0.02	-0.36	-9.13e-03	-0.03
51	30	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.17	-0.03	-0.41	0.02	-0.03
		-0.03	-0.01	0.0	0.0	100.0	0.0	-0.18	-0.03	-0.41	-0.01	-0.03
51	31	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	0.01	-0.02
		-0.02	-7.32e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-7.32e-03	-0.02
51	32	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.33	0.01	-0.02
		-0.02	-8.34e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.33	-8.34e-03	-0.02
51	33	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.17	-0.02	-0.36	0.02	-0.03
		-0.03	-9.13e-03	0.0	0.0	100.0	0.0	-0.18	-0.02	-0.36	-9.13e-03	-0.03
51	34	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.17	-0.03	-0.41	0.02	-0.03
		-0.03	-0.01	0.0	0.0	100.0	0.0	-0.18	-0.03	-0.41	-0.01	-0.03
51	35	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	0.01	-0.02
		-0.02	-7.32e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-7.32e-03	-0.02
51	36	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.33	0.01	-0.02
		-0.02	-8.34e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.33	-8.34e-03	-0.02
51	37	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.17	-0.02	-0.36	0.02	-0.03
		-0.03	-9.13e-03	0.0	0.0	100.0	0.0	-0.18	-0.02	-0.36	-9.13e-03	-0.03
51	38	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.17	-0.03	-0.41	0.02	-0.03
		-0.03	-0.01	0.0	0.0	100.0	0.0	-0.18	-0.03	-0.41	-0.01	-0.03
51	39	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	0.01	-0.02
		-0.02	-7.32e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-7.32e-03	-0.02
51	40	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.33	0.01	-0.02
		-0.02	-8.34e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.33	-8.34e-03	-0.02
51	41	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.17	-0.02	-0.36	0.02	-0.03
		-0.03	-9.13e-03	0.0	0.0	100.0	0.0	-0.18	-0.02	-0.36	-9.13e-03	-0.03
51	42	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.17	-0.03	-0.41	0.02	-0.03
		-0.03	-0.01	0.0	0.0	100.0	0.0	-0.18	-0.03	-0.41	-0.01	-0.03
51	43	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	0.01	-0.02
		-0.02	-7.32e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-7.32e-03	-0.02
51	44	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.33	0.01	-0.02
		-0.02	-8.34e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.33	-8.34e-03	-0.02
51	45	0.01	9.96e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.27	9.96e-03	-0.02
		-0.02	-6.04e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.27	-6.04e-03	-0.02
52	1	0.01	5.12e-03	0.0	-0.27	0.0	0.0	0.13	-6.78e-03	-0.08	5.12e-03	-0.02
		-0.02	-1.66e-03	0.0	0.0	100.0	0.0	-0.13	-6.78e-03	-0.08	-1.66e-03	-0.02
52	2	0.01	6.16e-03	0.0	-0.27	0.0	0.0	0.13	-8.18e-03	-0.09	6.16e-03	-0.02
		-0.02	-2.02e-03	0.0	0.0	100.0	0.0	-0.13	-8.18e-03	-0.09	-2.02e-03	-0.02
52	3	0.01	5.49e-03	0.0	-0.27	0.0	0.0	0.13	-7.23e-03	-0.08	5.49e-03	-0.02
		-0.02	-1.74e-03	0.0	0.0	100.0	0.0	-0.13	-7.23e-03	-0.08	-1.74e-03	-0.02
52	4	0.01	6.01e-03	0.0	-0.27	0.0	0.0	0.13	-7.93e-03	-0.09	6.01e-03	-0.02
		-0.02	-1.92e-03	0.0	0.0	100.0	0.0	-0.13	-7.93e-03	-0.09	-1.92e-03	-0.02
52	5	0.01	5.12e-03	0.0	-0.27	0.0	0.0	0.13	-6.78e-03	-0.08	5.12e-03	-0.02
		-0.02	-1.66e-03	0.0	0.0	100.0	0.0	-0.13	-6.78e-03	-0.08	-1.66e-03	-0.02
52	6	0.01	5.64e-03	0.0	-0.27	0.0	0.0	0.13	-7.48e-03	-0.08	5.64e-03	-0.02
		-0.02	-1.84e-03	0.0	0.0	100.0	0.0	-0.13	-7.48e-03	-0.08	-1.84e-03	-0.02
52	7	0.01	5.12e-03	0.0	-0.27	0.0	0.0	0.13	-6.78e-03	-0.08	5.12e-03	-0.02
		-0.02	-1.66e-03	0.0	0.0	100.0	0.0	-0.13	-6.78e-03	-0.08	-1.66e-03	-0.02
52	8	0.01	5.64e-03	0.0	-0.27	0.0	0.0	0.13	-7.48e-03	-0.08	5.64e-03	-0.02
		-0.02	-1.84e-03	0.0	0.0	100.0	0.0	-0.13	-7.48e-03	-0.08	-1.84e-03	-0.02
52	9	0.01	5.12e-03	0.0	-0.27	0.0	0.0	0.13	-6.78e-03	-0.08	5.12e-03	-0.02
		-0.02	-1.66e-03	0.0	0.0	100.0	0.0	-0.13	-6.78e-03	-0.08	-1.66e-03	-0.02
52	10	0.01	5.64e-03	0.0	-0.27	0.0	0.0	0.13	-7.48e-03	-0.08	5.64e-03	-0.02
		-0.02	-1.84e-03	0.0	0.0	100.0	0.0	-0.13	-7.48e-03	-0.08	-1.84e-03	-0.02
52	11	0.01	5.12e-03	0.0	-0.27	0.0	0.0	0.13	-6.78e-03	-0.08	5.12e-03	-0.02
		-0.02	-1.66e-03	0.0	0.0	100.0	0.0	-0.13	-6.78e-03	-0.08	-1.66e-03	-0.02
52	12	0.01	5.64e-03	0.0	-0.27	0.0	0.0	0.13	-7.48e-03	-0.08	5.64e-03	-0.02
		-0.02	-1.84e-03	0.0	0.0	100.0	0.0	-0.13	-7.48e-03	-0.08	-1.84e-03	-0.02
52	13	0.01	4.55e-03	0.0	-0.27	0.0	0.0	0.13	-6.10e-03	-0.07	4.55e-03	-0.02
		-0.02	-1.54e-03	0.0	0.0	100.0	0.0	-0.13	-6.10e-03	-0.07	-1.54e-03	-0.02



52	14	0.01	4.76e-03	0.0	-0.27	0.0	0.0	0.13	-6.38e-03	-0.08	4.76e-03	-0.02
		-0.02	-1.62e-03	0.0	0.0	100.0	0.0	-0.13	-6.38e-03	-0.08	-1.62e-03	-0.02
52	15	0.01	4.74e-03	0.0	-0.27	0.0	0.0	0.13	-6.32e-03	-0.07	4.74e-03	-0.02
		-0.02	-1.58e-03	0.0	0.0	100.0	0.0	-0.13	-6.32e-03	-0.07	-1.58e-03	-0.02
52	16	0.01	4.55e-03	0.0	-0.27	0.0	0.0	0.13	-6.10e-03	-0.07	4.55e-03	-0.02
		-0.02	-1.54e-03	0.0	0.0	100.0	0.0	-0.13	-6.10e-03	-0.07	-1.54e-03	-0.02
52	17	0.01	4.55e-03	0.0	-0.27	0.0	0.0	0.13	-6.10e-03	-0.07	4.55e-03	-0.02
		-0.02	-1.54e-03	0.0	0.0	100.0	0.0	-0.13	-6.10e-03	-0.07	-1.54e-03	-0.02
52	18	0.01	4.55e-03	0.0	-0.27	0.0	0.0	0.13	-6.10e-03	-0.07	4.55e-03	-0.02
		-0.02	-1.54e-03	0.0	0.0	100.0	0.0	-0.13	-6.10e-03	-0.07	-1.54e-03	-0.02
52	19	0.01	4.55e-03	0.0	-0.27	0.0	0.0	0.13	-6.10e-03	-0.07	4.55e-03	-0.02
		-0.02	-1.54e-03	0.0	0.0	100.0	0.0	-0.13	-6.10e-03	-0.07	-1.54e-03	-0.02
52	20	0.01	4.55e-03	0.0	-0.27	0.0	0.0	0.13	-6.10e-03	-0.07	4.55e-03	-0.02
		-0.02	-1.54e-03	0.0	0.0	100.0	0.0	-0.13	-6.10e-03	-0.07	-1.54e-03	-0.02
52	21	0.01	6.76e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-8.95e-03	-0.10	6.76e-03	-0.03
		-0.03	-2.18e-03	0.0	0.0	100.0	0.0	-0.17	-8.95e-03	-0.10	-2.18e-03	-0.03
52	22	0.01	8.32e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-0.01	-0.13	8.32e-03	-0.03
		-0.03	-2.73e-03	0.0	0.0	100.0	0.0	-0.17	-0.01	-0.13	-2.73e-03	-0.03
52	23	0.01	5.40e-03	0.0	-0.27	0.0	0.0	0.13	-7.12e-03	-0.08	5.40e-03	-0.02
		-0.02	-1.72e-03	0.0	0.0	100.0	0.0	-0.13	-7.12e-03	-0.08	-1.72e-03	-0.02
52	24	0.01	6.96e-03	0.0	-0.27	0.0	0.0	0.13	-9.22e-03	-0.10	6.96e-03	-0.02
		-0.02	-2.26e-03	0.0	0.0	100.0	0.0	-0.13	-9.22e-03	-0.10	-2.26e-03	-0.02
52	25	0.01	7.33e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-9.63e-03	-0.10	7.33e-03	-0.03
		-0.03	-2.30e-03	0.0	0.0	100.0	0.0	-0.17	-9.63e-03	-0.10	-2.30e-03	-0.03
52	26	0.01	8.11e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-0.01	-0.11	8.11e-03	-0.03
		-0.03	-2.57e-03	0.0	0.0	100.0	0.0	-0.17	-0.01	-0.11	-2.57e-03	-0.03
52	27	0.01	5.96e-03	0.0	-0.27	0.0	0.0	0.13	-7.80e-03	-0.08	5.96e-03	-0.02
		-0.02	-1.83e-03	0.0	0.0	100.0	0.0	-0.13	-7.80e-03	-0.08	-1.83e-03	-0.02
52	28	0.01	6.74e-03	0.0	-0.27	0.0	0.0	0.13	-8.85e-03	-0.09	6.74e-03	-0.02
		-0.02	-2.11e-03	0.0	0.0	100.0	0.0	-0.13	-8.85e-03	-0.09	-2.11e-03	-0.02
52	29	0.01	6.76e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-8.95e-03	-0.10	6.76e-03	-0.03
		-0.03	-2.18e-03	0.0	0.0	100.0	0.0	-0.17	-8.95e-03	-0.10	-2.18e-03	-0.03
52	30	0.01	7.54e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.00e-02	-0.11	7.54e-03	-0.03
		-0.03	-2.45e-03	0.0	0.0	100.0	0.0	-0.17	-1.00e-02	-0.11	-2.45e-03	-0.03
52	31	0.01	5.40e-03	0.0	-0.27	0.0	0.0	0.13	-7.12e-03	-0.08	5.40e-03	-0.02
		-0.02	-1.72e-03	0.0	0.0	100.0	0.0	-0.13	-7.12e-03	-0.08	-1.72e-03	-0.02
52	32	0.01	6.18e-03	0.0	-0.27	0.0	0.0	0.13	-8.17e-03	-0.09	6.18e-03	-0.02
		-0.02	-1.99e-03	0.0	0.0	100.0	0.0	-0.13	-8.17e-03	-0.09	-1.99e-03	-0.02
52	33	0.01	6.76e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-8.95e-03	-0.10	6.76e-03	-0.03
		-0.03	-2.18e-03	0.0	0.0	100.0	0.0	-0.17	-8.95e-03	-0.10	-2.18e-03	-0.03
52	34	0.01	7.54e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.00e-02	-0.11	7.54e-03	-0.03
		-0.03	-2.45e-03	0.0	0.0	100.0	0.0	-0.17	-1.00e-02	-0.11	-2.45e-03	-0.03
52	35	0.01	5.40e-03	0.0	-0.27	0.0	0.0	0.13	-7.12e-03	-0.08	5.40e-03	-0.02
		-0.02	-1.72e-03	0.0	0.0	100.0	0.0	-0.13	-7.12e-03	-0.08	-1.72e-03	-0.02
52	36	0.01	6.18e-03	0.0	-0.27	0.0	0.0	0.13	-8.17e-03	-0.09	6.18e-03	-0.02
		-0.02	-1.99e-03	0.0	0.0	100.0	0.0	-0.13	-8.17e-03	-0.09	-1.99e-03	-0.02
52	37	0.01	6.76e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-8.95e-03	-0.10	6.76e-03	-0.03
		-0.03	-2.18e-03	0.0	0.0	100.0	0.0	-0.17	-8.95e-03	-0.10	-2.18e-03	-0.03
52	38	0.01	7.54e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.00e-02	-0.11	7.54e-03	-0.03
		-0.03	-2.45e-03	0.0	0.0	100.0	0.0	-0.17	-1.00e-02	-0.11	-2.45e-03	-0.03
52	39	0.01	5.40e-03	0.0	-0.27	0.0	0.0	0.13	-7.12e-03	-0.08	5.40e-03	-0.02
		-0.02	-1.72e-03	0.0	0.0	100.0	0.0	-0.13	-7.12e-03	-0.08	-1.72e-03	-0.02
52	40	0.01	6.18e-03	0.0	-0.27	0.0	0.0	0.13	-8.17e-03	-0.09	6.18e-03	-0.02
		-0.02	-1.99e-03	0.0	0.0	100.0	0.0	-0.13	-8.17e-03	-0.09	-1.99e-03	-0.02
52	41	0.01	6.76e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-8.95e-03	-0.10	6.76e-03	-0.03
		-0.03	-2.18e-03	0.0	0.0	100.0	0.0	-0.17	-8.95e-03	-0.10	-2.18e-03	-0.03
52	42	0.01	7.54e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.00e-02	-0.11	7.54e-03	-0.03
		-0.03	-2.45e-03	0.0	0.0	100.0	0.0	-0.17	-1.00e-02	-0.11	-2.45e-03	-0.03
52	43	0.01	5.40e-03	0.0	-0.27	0.0	0.0	0.13	-7.12e-03	-0.08	5.40e-03	-0.02
		-0.02	-1.72e-03	0.0	0.0	100.0	0.0	-0.13	-7.12e-03	-0.08	-1.72e-03	-0.02
52	44	0.01	6.18e-03	0.0	-0.27	0.0	0.0	0.13	-8.17e-03	-0.09	6.18e-03	-0.02
		-0.02	-1.99e-03	0.0	0.0	100.0	0.0	-0.13	-8.17e-03	-0.09	-1.99e-03	-0.02
52	45	0.01	4.55e-03	0.0	-0.27	0.0	0.0	0.13	-6.10e-03	-0.07	4.55e-03	-0.02
		-0.02	-1.54e-03	0.0	0.0	100.0	0.0	-0.13	-6.10e-03	-0.07	-1.54e-03	-0.02
53	1	0.01	7.68e-04	0.0	-0.27	0.0	0.0	0.13	-8.42e-04	-0.02	7.68e-04	-0.02
		-0.02	-7.45e-05	0.0	0.0	100.0	0.0	-0.13	-8.42e-04	-0.02	-7.45e-05	-0.02
53	2	0.01	9.51e-04	0.0	-0.27	0.0	0.0	0.13	-1.06e-03	-0.02	9.51e-04	-0.02
		-0.02	-1.05e-04	0.0	0.0	100.0	0.0	-0.13	-1.06e-03	-0.02	-1.05e-04	-0.02
53	3	0.01	7.75e-04	0.0	-0.27	0.0	0.0	0.13	-8.27e-04	-0.02	7.75e-04	-0.02
		-0.02	-5.26e-05	0.0	0.0	100.0	0.0	-0.13	-8.27e-04	-0.02	-5.26e-05	-0.02
53	4	0.01	8.66e-04	0.0	-0.27	0.0	0.0	0.13	-9.34e-04	-0.02	8.66e-04	-0.02
		-0.02	-6.76e-05	0.0	0.0	100.0	0.0	-0.13	-9.34e-04	-0.02	-6.76e-05	-0.02
53	5	0.01	7.68e-04	0.0	-0.27	0.0	0.0	0.13	-8.42e-04	-0.02	7.68e-04	-0.02
		-0.02	-7.45e-05	0.0	0.0	100.0	0.0	-0.13	-8.42e-04	-0.02	-7.45e-05	-0.02
53	6	0.01	8.59e-04	0.0	-0.27	0.0	0.0	0.13	-9.49e-04	-0.02	8.59e-04	-0.02
		-0.02	-8.95e-05	0.0	0.0	100.0	0.0	-0.13	-9.49e-04	-0.02	-8.95e-05	-0.02
53	7	0.01	7.68e-04	0.0	-0.27	0.0	0.0	0.13	-8.42e-04	-0.02	7.68e-04	-0.02



53	8	-0.02	-7.45e-05	0.0	0.0	100.0	0.0	-0.13	-8.42e-04	-0.02	-7.45e-05	-0.02
		0.01	8.59e-04	0.0	-0.27	0.0	0.0	0.13	-9.49e-04	-0.02	8.59e-04	-0.02
		-0.02	-8.95e-05	0.0	0.0	100.0	0.0	-0.13	-9.49e-04	-0.02	-8.95e-05	-0.02
53	9	0.01	7.68e-04	0.0	-0.27	0.0	0.0	0.13	-8.42e-04	-0.02	7.68e-04	-0.02
		-0.02	-7.45e-05	0.0	0.0	100.0	0.0	-0.13	-8.42e-04	-0.02	-7.45e-05	-0.02
53	10	0.01	8.59e-04	0.0	-0.27	0.0	0.0	0.13	-9.49e-04	-0.02	8.59e-04	-0.02
		-0.02	-8.95e-05	0.0	0.0	100.0	0.0	-0.13	-9.49e-04	-0.02	-8.95e-05	-0.02
53	11	0.01	7.68e-04	0.0	-0.27	0.0	0.0	0.13	-8.42e-04	-0.02	7.68e-04	-0.02
		-0.02	-7.45e-05	0.0	0.0	100.0	0.0	-0.13	-8.42e-04	-0.02	-7.45e-05	-0.02
53	12	0.01	8.59e-04	0.0	-0.27	0.0	0.0	0.13	-9.49e-04	-0.02	8.59e-04	-0.02
		-0.02	-8.95e-05	0.0	0.0	100.0	0.0	-0.13	-9.49e-04	-0.02	-8.95e-05	-0.02
53	13	0.01	7.57e-04	0.0	-0.27	0.0	0.0	0.13	-8.65e-04	-0.02	7.57e-04	-0.02
		-0.02	-1.07e-04	0.0	0.0	100.0	0.0	-0.13	-8.65e-04	-0.02	-1.07e-04	-0.02
53	14	0.01	7.94e-04	0.0	-0.27	0.0	0.0	0.13	-9.07e-04	-0.02	7.94e-04	-0.02
		-0.02	-1.13e-04	0.0	0.0	100.0	0.0	-0.13	-9.07e-04	-0.02	-1.13e-04	-0.02
53	15	0.01	7.61e-04	0.0	-0.27	0.0	0.0	0.13	-8.57e-04	-0.02	7.61e-04	-0.02
		-0.02	-9.65e-05	0.0	0.0	100.0	0.0	-0.13	-8.57e-04	-0.02	-9.65e-05	-0.02
53	16	0.01	7.57e-04	0.0	-0.27	0.0	0.0	0.13	-8.65e-04	-0.02	7.57e-04	-0.02
		-0.02	-1.07e-04	0.0	0.0	100.0	0.0	-0.13	-8.65e-04	-0.02	-1.07e-04	-0.02
53	17	0.01	7.57e-04	0.0	-0.27	0.0	0.0	0.13	-8.65e-04	-0.02	7.57e-04	-0.02
		-0.02	-1.07e-04	0.0	0.0	100.0	0.0	-0.13	-8.65e-04	-0.02	-1.07e-04	-0.02
53	18	0.01	7.57e-04	0.0	-0.27	0.0	0.0	0.13	-8.65e-04	-0.02	7.57e-04	-0.02
		-0.02	-1.07e-04	0.0	0.0	100.0	0.0	-0.13	-8.65e-04	-0.02	-1.07e-04	-0.02
53	19	0.01	7.57e-04	0.0	-0.27	0.0	0.0	0.13	-8.65e-04	-0.02	7.57e-04	-0.02
		-0.02	-1.07e-04	0.0	0.0	100.0	0.0	-0.13	-8.65e-04	-0.02	-1.07e-04	-0.02
53	20	0.01	7.57e-04	0.0	-0.27	0.0	0.0	0.13	-8.65e-04	-0.02	7.57e-04	-0.02
		-0.02	-1.07e-04	0.0	0.0	100.0	0.0	-0.13	-8.65e-04	-0.02	-1.07e-04	-0.02
53	21	0.01	1.00e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.09e-03	-0.02	1.00e-03	-0.03
		-0.03	-9.03e-05	0.0	0.0	100.0	0.0	-0.17	-1.09e-03	-0.02	-9.03e-05	-0.03
53	22	0.01	1.27e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.41e-03	-0.03	1.27e-03	-0.03
		-0.03	-1.35e-04	0.0	0.0	100.0	0.0	-0.17	-1.41e-03	-0.03	-1.35e-04	-0.03
53	23	0.01	7.73e-04	0.0	-0.27	0.0	0.0	0.13	-8.31e-04	-0.02	7.73e-04	-0.02
		-0.02	-5.81e-05	0.0	0.0	100.0	0.0	-0.13	-8.31e-04	-0.02	-5.81e-05	-0.02
53	24	0.01	1.05e-03	0.0	-0.27	0.0	0.0	0.13	-1.15e-03	-0.03	1.05e-03	-0.02
		-0.02	-1.03e-04	0.0	0.0	100.0	0.0	-0.13	-1.15e-03	-0.03	-1.03e-04	-0.02
53	25	0.01	1.01e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.07e-03	-0.02	1.01e-03	-0.03
		-0.03	-5.74e-05	0.0	0.0	100.0	0.0	-0.17	-1.07e-03	-0.02	-5.74e-05	-0.03
53	26	0.01	1.15e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.23e-03	-0.03	1.15e-03	-0.03
		-0.03	-7.99e-05	0.0	0.0	100.0	0.0	-0.17	-1.23e-03	-0.03	-7.99e-05	-0.03
53	27	0.01	7.83e-04	0.0	-0.27	0.0	0.0	0.13	-8.08e-04	-0.02	7.83e-04	-0.02
		-0.02	-2.52e-05	0.0	0.0	100.0	0.0	-0.13	-8.08e-04	-0.02	-2.52e-05	-0.02
53	28	0.01	9.20e-04	0.0	-0.27	0.0	0.0	0.13	-9.68e-04	-0.02	9.20e-04	-0.02
		-0.02	-4.77e-05	0.0	0.0	100.0	0.0	-0.13	-9.68e-04	-0.02	-4.77e-05	-0.02
53	29	0.01	1.00e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.09e-03	-0.02	1.00e-03	-0.03
		-0.03	-9.03e-05	0.0	0.0	100.0	0.0	-0.17	-1.09e-03	-0.02	-9.03e-05	-0.03
53	30	0.01	1.14e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.25e-03	-0.03	1.14e-03	-0.03
		-0.03	-1.13e-04	0.0	0.0	100.0	0.0	-0.17	-1.25e-03	-0.03	-1.13e-04	-0.03
53	31	0.01	7.73e-04	0.0	-0.27	0.0	0.0	0.13	-8.31e-04	-0.02	7.73e-04	-0.02
		-0.02	-5.81e-05	0.0	0.0	100.0	0.0	-0.13	-8.31e-04	-0.02	-5.81e-05	-0.02
53	32	0.01	9.10e-04	0.0	-0.27	0.0	0.0	0.13	-9.91e-04	-0.02	9.10e-04	-0.02
		-0.02	-8.06e-05	0.0	0.0	100.0	0.0	-0.13	-9.91e-04	-0.02	-8.06e-05	-0.02
53	33	0.01	1.00e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.09e-03	-0.02	1.00e-03	-0.03
		-0.03	-9.03e-05	0.0	0.0	100.0	0.0	-0.17	-1.09e-03	-0.02	-9.03e-05	-0.03
53	34	0.01	1.14e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.25e-03	-0.03	1.14e-03	-0.03
		-0.03	-1.13e-04	0.0	0.0	100.0	0.0	-0.17	-1.25e-03	-0.03	-1.13e-04	-0.03
53	35	0.01	7.73e-04	0.0	-0.27	0.0	0.0	0.13	-8.31e-04	-0.02	7.73e-04	-0.02
		-0.02	-5.81e-05	0.0	0.0	100.0	0.0	-0.13	-8.31e-04	-0.02	-5.81e-05	-0.02
53	36	0.01	9.10e-04	0.0	-0.27	0.0	0.0	0.13	-9.91e-04	-0.02	9.10e-04	-0.02
		-0.02	-8.06e-05	0.0	0.0	100.0	0.0	-0.13	-9.91e-04	-0.02	-8.06e-05	-0.02
53	37	0.01	1.00e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.09e-03	-0.02	1.00e-03	-0.03
		-0.03	-9.03e-05	0.0	0.0	100.0	0.0	-0.17	-1.09e-03	-0.02	-9.03e-05	-0.03
53	38	0.01	1.14e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.25e-03	-0.03	1.14e-03	-0.03
		-0.03	-1.13e-04	0.0	0.0	100.0	0.0	-0.17	-1.25e-03	-0.03	-1.13e-04	-0.03
53	39	0.01	7.73e-04	0.0	-0.27	0.0	0.0	0.13	-8.31e-04	-0.02	7.73e-04	-0.02
		-0.02	-5.81e-05	0.0	0.0	100.0	0.0	-0.13	-8.31e-04	-0.02	-5.81e-05	-0.02
53	40	0.01	9.10e-04	0.0	-0.27	0.0	0.0	0.13	-9.91e-04	-0.02	9.10e-04	-0.02
		-0.02	-8.06e-05	0.0	0.0	100.0	0.0	-0.13	-9.91e-04	-0.02	-8.06e-05	-0.02
53	41	0.01	1.00e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.09e-03	-0.02	1.00e-03	-0.03
		-0.03	-9.03e-05	0.0	0.0	100.0	0.0	-0.17	-1.09e-03	-0.02	-9.03e-05	-0.03
53	42	0.01	1.14e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.25e-03	-0.03	1.14e-03	-0.03
		-0.03	-1.13e-04	0.0	0.0	100.0	0.0	-0.17	-1.25e-03	-0.03	-1.13e-04	-0.03
53	43	0.01	7.73e-04	0.0	-0.27	0.0	0.0	0.13	-8.31e-04	-0.02	7.73e-04	-0.02
		-0.02	-5.81e-05	0.0	0.0	100.0	0.0	-0.13	-8.31e-04	-0.02	-5.81e-05	-0.02
53	44	0.01	9.10e-04	0.0	-0.27	0.0	0.0	0.13	-9.91e-04	-0.02	9.10e-04	-0.02
		-0.02	-8.06e-05	0.0	0.0	100.0	0.0	-0.13	-9.91e-04	-0.02	-8.06e-05	-0.02
53	45	0.01	7.57e-04	0.0	-0.27	0.0	0.0	0.13	-8.65e-04	-0.02	7.57e-04	-0.02
		-0.02	-1.07e-04	0.0	0.0	100.0	0.0	-0.13	-8.65e-04	-0.02	-1.07e-04	-0.02



54	1	0.01	-5.03e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-5.25e-05	-0.02
		-0.02	-5.25e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-5.03e-05	-0.02
54	2	0.01	-5.19e-05	0.0	-0.27	0.0	0.0	0.13	2.84e-06	-6.92e-03	-5.47e-05	-0.02
		-0.02	-5.47e-05	0.0	0.0	100.0	0.0	-0.13	2.84e-06	-6.92e-03	-5.19e-05	-0.02
54	3	0.01	-6.99e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-7.22e-05	-0.02
		-0.02	-7.22e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-6.99e-05	-0.02
54	4	0.01	-7.07e-05	0.0	-0.27	0.0	0.0	0.13	2.56e-06	-6.25e-03	-7.33e-05	-0.02
		-0.02	-7.33e-05	0.0	0.0	100.0	0.0	-0.13	2.56e-06	-6.25e-03	-7.07e-05	-0.02
54	5	0.01	-5.03e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-5.25e-05	-0.02
		-0.02	-5.25e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-5.03e-05	-0.02
54	6	0.01	-5.11e-05	0.0	-0.27	0.0	0.0	0.13	2.56e-06	-6.25e-03	-5.36e-05	-0.02
		-0.02	-5.36e-05	0.0	0.0	100.0	0.0	-0.13	2.56e-06	-6.25e-03	-5.11e-05	-0.02
54	7	0.01	-5.03e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-5.25e-05	-0.02
		-0.02	-5.25e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-5.03e-05	-0.02
54	8	0.01	-5.11e-05	0.0	-0.27	0.0	0.0	0.13	2.56e-06	-6.25e-03	-5.36e-05	-0.02
		-0.02	-5.36e-05	0.0	0.0	100.0	0.0	-0.13	2.56e-06	-6.25e-03	-5.11e-05	-0.02
54	9	0.01	-5.03e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-5.25e-05	-0.02
		-0.02	-5.25e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-5.03e-05	-0.02
54	10	0.01	-5.11e-05	0.0	-0.27	0.0	0.0	0.13	2.56e-06	-6.25e-03	-5.36e-05	-0.02
		-0.02	-5.36e-05	0.0	0.0	100.0	0.0	-0.13	2.56e-06	-6.25e-03	-5.11e-05	-0.02
54	11	0.01	-5.03e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-5.25e-05	-0.02
		-0.02	-5.25e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-5.03e-05	-0.02
54	12	0.01	-5.11e-05	0.0	-0.27	0.0	0.0	0.13	2.56e-06	-6.25e-03	-5.36e-05	-0.02
		-0.02	-5.36e-05	0.0	0.0	100.0	0.0	-0.13	2.56e-06	-6.25e-03	-5.11e-05	-0.02
54	13	0.01	-2.07e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-2.30e-05	-0.02
		-0.02	-2.30e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-2.07e-05	-0.02
54	14	0.01	-2.11e-05	0.0	-0.27	0.0	0.0	0.13	2.40e-06	-5.84e-03	-2.35e-05	-0.02
		-0.02	-2.35e-05	0.0	0.0	100.0	0.0	-0.13	2.40e-06	-5.84e-03	-2.11e-05	-0.02
54	15	0.01	-3.06e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-3.29e-05	-0.02
		-0.02	-3.29e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-3.06e-05	-0.02
54	16	0.01	-2.07e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-2.30e-05	-0.02
		-0.02	-2.30e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-2.07e-05	-0.02
54	17	0.01	-2.07e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-2.30e-05	-0.02
		-0.02	-2.30e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-2.07e-05	-0.02
54	18	0.01	-2.07e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-2.30e-05	-0.02
		-0.02	-2.30e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-2.07e-05	-0.02
54	19	0.01	-2.07e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-2.30e-05	-0.02
		-0.02	-2.30e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-2.07e-05	-0.02
54	20	0.01	-2.07e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-2.30e-05	-0.02
		-0.02	-2.30e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-2.07e-05	-0.02
54	21	0.01	-7.12e-05	-1.22e-06	-0.35	0.0	0.0	0.17	2.97e-06	-7.25e-03	-7.42e-05	-0.03
		-0.03	-7.42e-05	0.0	0.0	100.0	0.0	-0.17	2.97e-06	-7.25e-03	-7.12e-05	-0.03
54	22	0.01	-7.36e-05	-1.22e-06	-0.35	0.0	0.0	0.17	3.80e-06	-9.26e-03	-7.74e-05	-0.03
		-0.03	-7.74e-05	0.0	0.0	100.0	0.0	-0.17	3.80e-06	-9.26e-03	-7.36e-05	-0.03
54	23	0.01	-6.50e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-6.73e-05	-0.02
		-0.02	-6.73e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-6.50e-05	-0.02
54	24	0.01	-6.74e-05	0.0	-0.27	0.0	0.0	0.13	3.11e-06	-7.59e-03	-7.05e-05	-0.02
		-0.02	-7.05e-05	0.0	0.0	100.0	0.0	-0.13	3.11e-06	-7.59e-03	-6.74e-05	-0.02
54	25	0.01	-1.01e-04	-1.22e-06	-0.35	0.0	0.0	0.17	2.97e-06	-7.25e-03	-1.04e-04	-0.03
		-0.03	-1.04e-04	0.0	0.0	100.0	0.0	-0.17	2.97e-06	-7.25e-03	-1.01e-04	-0.03
54	26	0.01	-1.02e-04	-1.22e-06	-0.35	0.0	0.0	0.17	3.39e-06	-8.26e-03	-1.05e-04	-0.03
		-0.03	-1.05e-04	0.0	0.0	100.0	0.0	-0.17	3.39e-06	-8.26e-03	-1.02e-04	-0.03
54	27	0.01	-9.45e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-9.68e-05	-0.02
		-0.02	-9.68e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-9.45e-05	-0.02
54	28	0.01	-9.57e-05	0.0	-0.27	0.0	0.0	0.13	2.70e-06	-6.58e-03	-9.84e-05	-0.02
		-0.02	-9.84e-05	0.0	0.0	100.0	0.0	-0.13	2.70e-06	-6.58e-03	-9.57e-05	-0.02
54	29	0.01	-7.12e-05	-1.22e-06	-0.35	0.0	0.0	0.17	2.97e-06	-7.25e-03	-7.42e-05	-0.03
		-0.03	-7.42e-05	0.0	0.0	100.0	0.0	-0.17	2.97e-06	-7.25e-03	-7.12e-05	-0.03
54	30	0.01	-7.24e-05	-1.22e-06	-0.35	0.0	0.0	0.17	3.39e-06	-8.26e-03	-7.58e-05	-0.03
		-0.03	-7.58e-05	0.0	0.0	100.0	0.0	-0.17	3.39e-06	-8.26e-03	-7.24e-05	-0.03
54	31	0.01	-6.50e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-6.73e-05	-0.02
		-0.02	-6.73e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-6.50e-05	-0.02
54	32	0.01	-6.62e-05	0.0	-0.27	0.0	0.0	0.13	2.70e-06	-6.58e-03	-6.89e-05	-0.02
		-0.02	-6.89e-05	0.0	0.0	100.0	0.0	-0.13	2.70e-06	-6.58e-03	-6.62e-05	-0.02
54	33	0.01	-7.12e-05	-1.22e-06	-0.35	0.0	0.0	0.17	2.97e-06	-7.25e-03	-7.42e-05	-0.03
		-0.03	-7.42e-05	0.0	0.0	100.0	0.0	-0.17	2.97e-06	-7.25e-03	-7.12e-05	-0.03
54	34	0.01	-7.24e-05	-1.22e-06	-0.35	0.0	0.0	0.17	3.39e-06	-8.26e-03	-7.58e-05	-0.03
		-0.03	-7.58e-05	0.0	0.0	100.0	0.0	-0.17	3.39e-06	-8.26e-03	-7.24e-05	-0.03
54	35	0.01	-6.50e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-6.73e-05	-0.02
		-0.02	-6.73e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-6.50e-05	-0.02
54	36	0.01	-6.62e-05	0.0	-0.27	0.0	0.0	0.13	2.70e-06	-6.58e-03	-6.89e-05	-0.02
		-0.02	-6.89e-05	0.0	0.0	100.0	0.0	-0.13	2.70e-06	-6.58e-03	-6.62e-05	-0.02
54	37	0.01	-7.12e-05	-1.22e-06	-0.35	0.0	0.0	0.17	2.97e-06	-7.25e-03	-7.42e-05	-0.03
		-0.03	-7.42e-05	0.0	0.0	100.0	0.0	-0.17	2.97e-06	-7.25e-03	-7.12e-05	-0.03
54	38	0.01	-7.24e-05	-1.22e-06	-0.35	0.0	0.0	0.17	3.39e-06	-8.26e-03	-7.58e-05	-0.03
		-0.03	-7.58e-05	0.0	0.0	100.0	0.0	-0.17	3.39e-06	-8.26e-03	-7.24e-05	-0.03
54	39	0.01	-6.50e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-6.73e-05	-0.02



54	40	-0.02	-6.73e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-6.50e-05	-0.02
		0.01	-6.62e-05	0.0	-0.27	0.0	0.0	0.13	2.70e-06	-6.58e-03	-6.89e-05	-0.02
		-0.02	-6.89e-05	0.0	0.0	100.0	0.0	-0.13	2.70e-06	-6.58e-03	-6.62e-05	-0.02
54	41	0.01	-7.12e-05	-1.22e-06	-0.35	0.0	0.0	0.17	2.97e-06	-7.25e-03	-7.42e-05	-0.03
		-0.03	-7.42e-05	0.0	0.0	100.0	0.0	-0.17	2.97e-06	-7.25e-03	-7.12e-05	-0.03
54	42	0.01	-7.24e-05	-1.22e-06	-0.35	0.0	0.0	0.17	3.39e-06	-8.26e-03	-7.58e-05	-0.03
		-0.03	-7.58e-05	0.0	0.0	100.0	0.0	-0.17	3.39e-06	-8.26e-03	-7.24e-05	-0.03
54	43	0.01	-6.50e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-6.73e-05	-0.02
		-0.02	-6.73e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-6.50e-05	-0.02
54	44	0.01	-6.62e-05	0.0	-0.27	0.0	0.0	0.13	2.70e-06	-6.58e-03	-6.89e-05	-0.02
		-0.02	-6.89e-05	0.0	0.0	100.0	0.0	-0.13	2.70e-06	-6.58e-03	-6.62e-05	-0.02
54	45	0.01	-2.07e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	-2.30e-05	-0.02
		-0.02	-2.30e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	-2.07e-05	-0.02
55	1	0.01	7.73e-04	0.0	-0.27	0.0	0.0	0.13	8.51e-04	-4.18e-03	-7.74e-05	-0.02
		-0.02	-7.74e-05	0.0	0.0	100.0	0.0	-0.13	8.51e-04	-4.18e-03	7.73e-04	-0.02
55	2	0.01	9.58e-04	0.0	-0.27	0.0	0.0	0.13	1.07e-03	-5.25e-03	-1.08e-04	-0.02
		-0.02	-1.08e-04	0.0	0.0	100.0	0.0	-0.13	1.07e-03	-5.25e-03	9.58e-04	-0.02
55	3	0.01	7.80e-04	0.0	-0.27	0.0	0.0	0.13	8.36e-04	-4.05e-03	-5.55e-05	-0.02
		-0.02	-5.55e-05	0.0	0.0	100.0	0.0	-0.13	8.36e-04	-4.05e-03	7.80e-04	-0.02
55	4	0.01	8.72e-04	0.0	-0.27	0.0	0.0	0.13	9.43e-04	-4.59e-03	-7.08e-05	-0.02
		-0.02	-7.08e-05	0.0	0.0	100.0	0.0	-0.13	9.43e-04	-4.59e-03	8.72e-04	-0.02
55	5	0.01	7.73e-04	0.0	-0.27	0.0	0.0	0.13	8.51e-04	-4.18e-03	-7.74e-05	-0.02
		-0.02	-7.74e-05	0.0	0.0	100.0	0.0	-0.13	8.51e-04	-4.18e-03	7.73e-04	-0.02
55	6	0.01	8.65e-04	0.0	-0.27	0.0	0.0	0.13	9.58e-04	-4.72e-03	-9.27e-05	-0.02
		-0.02	-9.27e-05	0.0	0.0	100.0	0.0	-0.13	9.58e-04	-4.72e-03	8.65e-04	-0.02
55	7	0.01	7.73e-04	0.0	-0.27	0.0	0.0	0.13	8.51e-04	-4.18e-03	-7.74e-05	-0.02
		-0.02	-7.74e-05	0.0	0.0	100.0	0.0	-0.13	8.51e-04	-4.18e-03	7.73e-04	-0.02
55	8	0.01	8.65e-04	0.0	-0.27	0.0	0.0	0.13	9.58e-04	-4.72e-03	-9.27e-05	-0.02
		-0.02	-9.27e-05	0.0	0.0	100.0	0.0	-0.13	9.58e-04	-4.72e-03	8.65e-04	-0.02
55	9	0.01	7.73e-04	0.0	-0.27	0.0	0.0	0.13	8.51e-04	-4.18e-03	-7.74e-05	-0.02
		-0.02	-7.74e-05	0.0	0.0	100.0	0.0	-0.13	8.51e-04	-4.18e-03	7.73e-04	-0.02
55	10	0.01	8.65e-04	0.0	-0.27	0.0	0.0	0.13	9.58e-04	-4.72e-03	-9.27e-05	-0.02
		-0.02	-9.27e-05	0.0	0.0	100.0	0.0	-0.13	9.58e-04	-4.72e-03	8.65e-04	-0.02
55	11	0.01	7.73e-04	0.0	-0.27	0.0	0.0	0.13	8.51e-04	-4.18e-03	-7.74e-05	-0.02
		-0.02	-7.74e-05	0.0	0.0	100.0	0.0	-0.13	8.51e-04	-4.18e-03	7.73e-04	-0.02
55	12	0.01	8.65e-04	0.0	-0.27	0.0	0.0	0.13	9.58e-04	-4.72e-03	-9.27e-05	-0.02
		-0.02	-9.27e-05	0.0	0.0	100.0	0.0	-0.13	9.58e-04	-4.72e-03	8.65e-04	-0.02
55	13	0.01	7.63e-04	0.0	-0.27	0.0	0.0	0.13	8.73e-04	-4.37e-03	-1.10e-04	-0.02
		-0.02	-1.10e-04	0.0	0.0	100.0	0.0	-0.13	8.73e-04	-4.37e-03	7.63e-04	-0.02
55	14	0.01	8.00e-04	0.0	-0.27	0.0	0.0	0.13	9.16e-04	-4.59e-03	-1.16e-04	-0.02
		-0.02	-1.16e-04	0.0	0.0	100.0	0.0	-0.13	9.16e-04	-4.59e-03	8.00e-04	-0.02
55	15	0.01	7.66e-04	0.0	-0.27	0.0	0.0	0.13	8.66e-04	-4.31e-03	-9.93e-05	-0.02
		-0.02	-9.93e-05	0.0	0.0	100.0	0.0	-0.13	8.66e-04	-4.31e-03	7.66e-04	-0.02
55	16	0.01	7.63e-04	0.0	-0.27	0.0	0.0	0.13	8.73e-04	-4.37e-03	-1.10e-04	-0.02
		-0.02	-1.10e-04	0.0	0.0	100.0	0.0	-0.13	8.73e-04	-4.37e-03	7.63e-04	-0.02
55	17	0.01	7.63e-04	0.0	-0.27	0.0	0.0	0.13	8.73e-04	-4.37e-03	-1.10e-04	-0.02
		-0.02	-1.10e-04	0.0	0.0	100.0	0.0	-0.13	8.73e-04	-4.37e-03	7.63e-04	-0.02
55	18	0.01	7.63e-04	0.0	-0.27	0.0	0.0	0.13	8.73e-04	-4.37e-03	-1.10e-04	-0.02
		-0.02	-1.10e-04	0.0	0.0	100.0	0.0	-0.13	8.73e-04	-4.37e-03	7.63e-04	-0.02
55	19	0.01	7.63e-04	0.0	-0.27	0.0	0.0	0.13	8.73e-04	-4.37e-03	-1.10e-04	-0.02
		-0.02	-1.10e-04	0.0	0.0	100.0	0.0	-0.13	8.73e-04	-4.37e-03	7.63e-04	-0.02
55	20	0.01	7.63e-04	0.0	-0.27	0.0	0.0	0.13	8.73e-04	-4.37e-03	-1.10e-04	-0.02
		-0.02	-1.10e-04	0.0	0.0	100.0	0.0	-0.13	8.73e-04	-4.37e-03	7.63e-04	-0.02
55	21	0.01	1.01e-03	-1.22e-06	-0.35	0.0	0.0	0.17	1.10e-03	-5.40e-03	-9.40e-05	-0.03
		-0.03	-9.40e-05	0.0	0.0	100.0	0.0	-0.17	1.10e-03	-5.40e-03	1.01e-03	-0.03
55	22	0.01	1.28e-03	-1.22e-06	-0.35	0.0	0.0	0.17	1.42e-03	-7.00e-03	-1.40e-04	-0.03
		-0.03	-1.40e-04	0.0	0.0	100.0	0.0	-0.17	1.42e-03	-7.00e-03	1.28e-03	-0.03
55	23	0.01	7.78e-04	0.0	-0.27	0.0	0.0	0.13	8.39e-04	-4.09e-03	-6.09e-05	-0.02
		-0.02	-6.09e-05	0.0	0.0	100.0	0.0	-0.13	8.39e-04	-4.09e-03	7.78e-04	-0.02
55	24	0.01	1.05e-03	0.0	-0.27	0.0	0.0	0.13	1.16e-03	-5.69e-03	-1.07e-04	-0.02
		-0.02	-1.07e-04	0.0	0.0	100.0	0.0	-0.13	1.16e-03	-5.69e-03	1.05e-03	-0.02
55	25	0.01	1.02e-03	-1.22e-06	-0.35	0.0	0.0	0.17	1.08e-03	-5.21e-03	-6.11e-05	-0.03
		-0.03	-6.11e-05	0.0	0.0	100.0	0.0	-0.17	1.08e-03	-5.21e-03	1.02e-03	-0.03
55	26	0.01	1.16e-03	-1.22e-06	-0.35	0.0	0.0	0.17	1.24e-03	-6.01e-03	-8.42e-05	-0.03
		-0.03	-8.42e-05	0.0	0.0	100.0	0.0	-0.17	1.24e-03	-6.01e-03	1.16e-03	-0.03
55	27	0.01	7.89e-04	0.0	-0.27	0.0	0.0	0.13	8.17e-04	-3.89e-03	-2.80e-05	-0.02
		-0.02	-2.80e-05	0.0	0.0	100.0	0.0	-0.13	8.17e-04	-3.89e-03	7.89e-04	-0.02
55	28	0.01	9.27e-04	0.0	-0.27	0.0	0.0	0.13	9.78e-04	-4.70e-03	-5.11e-05	-0.02
		-0.02	-5.11e-05	0.0	0.0	100.0	0.0	-0.13	9.78e-04	-4.70e-03	9.27e-04	-0.02
55	29	0.01	1.01e-03	-1.22e-06	-0.35	0.0	0.0	0.17	1.10e-03	-5.40e-03	-9.40e-05	-0.03
		-0.03	-9.40e-05	0.0	0.0	100.0	0.0	-0.17	1.10e-03	-5.40e-03	1.01e-03	-0.03
55	30	0.01	1.15e-03	-1.22e-06	-0.35	0.0	0.0	0.17	1.26e-03	-6.20e-03	-1.17e-04	-0.03
		-0.03	-1.17e-04	0.0	0.0	100.0	0.0	-0.17	1.26e-03	-6.20e-03	1.15e-03	-0.03
55	31	0.01	7.78e-04	0.0	-0.27	0.0	0.0	0.13	8.39e-04	-4.09e-03	-6.09e-05	-0.02
		-0.02	-6.09e-05	0.0	0.0	100.0	0.0	-0.13	8.39e-04	-4.09e-03	7.78e-04	-0.02
55	32	0.01	9.17e-04	0.0	-0.27	0.0	0.0	0.13	1.00e-03	-4.89e-03	-8.40e-05	-0.02
		-0.02	-8.40e-05	0.0	0.0	100.0	0.0	-0.13	1.00e-03	-4.89e-03	9.17e-04	-0.02



55	33	0.01	1.01e-03	-1.22e-06	-0.35	0.0	0.0	0.17	1.10e-03	-5.40e-03	-9.40e-05	-0.03
		-0.03	-9.40e-05	0.0	0.0	100.0	0.0	-0.17	1.10e-03	-5.40e-03	1.01e-03	-0.03
55	34	0.01	1.15e-03	-1.22e-06	-0.35	0.0	0.0	0.17	1.26e-03	-6.20e-03	-1.17e-04	-0.03
		-0.03	-1.17e-04	0.0	0.0	100.0	0.0	-0.17	1.26e-03	-6.20e-03	1.15e-03	-0.03
55	35	0.01	7.78e-04	0.0	-0.27	0.0	0.0	0.13	8.39e-04	-4.09e-03	-6.09e-05	-0.02
		-0.02	-6.09e-05	0.0	0.0	100.0	0.0	-0.13	8.39e-04	-4.09e-03	7.78e-04	-0.02
55	36	0.01	9.17e-04	0.0	-0.27	0.0	0.0	0.13	1.00e-03	-4.89e-03	-8.40e-05	-0.02
		-0.02	-8.40e-05	0.0	0.0	100.0	0.0	-0.13	1.00e-03	-4.89e-03	9.17e-04	-0.02
55	37	0.01	1.01e-03	-1.22e-06	-0.35	0.0	0.0	0.17	1.10e-03	-5.40e-03	-9.40e-05	-0.03
		-0.03	-9.40e-05	0.0	0.0	100.0	0.0	-0.17	1.10e-03	-5.40e-03	1.01e-03	-0.03
55	38	0.01	1.15e-03	-1.22e-06	-0.35	0.0	0.0	0.17	1.26e-03	-6.20e-03	-1.17e-04	-0.03
		-0.03	-1.17e-04	0.0	0.0	100.0	0.0	-0.17	1.26e-03	-6.20e-03	1.15e-03	-0.03
55	39	0.01	7.78e-04	0.0	-0.27	0.0	0.0	0.13	8.39e-04	-4.09e-03	-6.09e-05	-0.02
		-0.02	-6.09e-05	0.0	0.0	100.0	0.0	-0.13	8.39e-04	-4.09e-03	7.78e-04	-0.02
55	40	0.01	9.17e-04	0.0	-0.27	0.0	0.0	0.13	1.00e-03	-4.89e-03	-8.40e-05	-0.02
		-0.02	-8.40e-05	0.0	0.0	100.0	0.0	-0.13	1.00e-03	-4.89e-03	9.17e-04	-0.02
55	41	0.01	1.01e-03	-1.22e-06	-0.35	0.0	0.0	0.17	1.10e-03	-5.40e-03	-9.40e-05	-0.03
		-0.03	-9.40e-05	0.0	0.0	100.0	0.0	-0.17	1.10e-03	-5.40e-03	1.01e-03	-0.03
55	42	0.01	1.15e-03	-1.22e-06	-0.35	0.0	0.0	0.17	1.26e-03	-6.20e-03	-1.17e-04	-0.03
		-0.03	-1.17e-04	0.0	0.0	100.0	0.0	-0.17	1.26e-03	-6.20e-03	1.15e-03	-0.03
55	43	0.01	7.78e-04	0.0	-0.27	0.0	0.0	0.13	8.39e-04	-4.09e-03	-6.09e-05	-0.02
		-0.02	-6.09e-05	0.0	0.0	100.0	0.0	-0.13	8.39e-04	-4.09e-03	7.78e-04	-0.02
55	44	0.01	9.17e-04	0.0	-0.27	0.0	0.0	0.13	1.00e-03	-4.89e-03	-8.40e-05	-0.02
		-0.02	-8.40e-05	0.0	0.0	100.0	0.0	-0.13	1.00e-03	-4.89e-03	9.17e-04	-0.02
55	45	0.01	7.63e-04	0.0	-0.27	0.0	0.0	0.13	8.73e-04	-4.37e-03	-1.10e-04	-0.02
		-0.02	-1.10e-04	0.0	0.0	100.0	0.0	-0.13	8.73e-04	-4.37e-03	7.63e-04	-0.02
56	1	0.01	5.11e-03	0.0	-0.27	0.0	0.0	0.13	6.77e-03	-3.97e-03	-1.66e-03	-0.02
		-0.02	-1.66e-03	0.0	0.0	100.0	0.0	-0.13	6.77e-03	-3.97e-03	5.11e-03	-0.02
56	2	0.01	6.15e-03	0.0	-0.27	0.0	0.0	0.13	8.18e-03	-5.63e-03	-2.03e-03	-0.02
		-0.02	-2.03e-03	0.0	0.0	100.0	0.0	-0.13	8.18e-03	-5.63e-03	6.15e-03	-0.02
56	3	0.01	5.49e-03	0.0	-0.27	0.0	0.0	0.13	7.23e-03	-2.61e-03	-1.74e-03	-0.02
		-0.02	-1.74e-03	0.0	0.0	100.0	0.0	-0.13	7.23e-03	-2.61e-03	5.49e-03	-0.02
56	4	0.01	6.01e-03	0.0	-0.27	0.0	0.0	0.13	7.93e-03	-3.44e-03	-1.92e-03	-0.02
		-0.02	-1.92e-03	0.0	0.0	100.0	0.0	-0.13	7.93e-03	-3.44e-03	6.01e-03	-0.02
56	5	0.01	5.11e-03	0.0	-0.27	0.0	0.0	0.13	6.77e-03	-3.97e-03	-1.66e-03	-0.02
		-0.02	-1.66e-03	0.0	0.0	100.0	0.0	-0.13	6.77e-03	-3.97e-03	5.11e-03	-0.02
56	6	0.01	5.63e-03	0.0	-0.27	0.0	0.0	0.13	7.48e-03	-4.80e-03	-1.85e-03	-0.02
		-0.02	-1.85e-03	0.0	0.0	100.0	0.0	-0.13	7.48e-03	-4.80e-03	5.63e-03	-0.02
56	7	0.01	5.11e-03	0.0	-0.27	0.0	0.0	0.13	6.77e-03	-3.97e-03	-1.66e-03	-0.02
		-0.02	-1.66e-03	0.0	0.0	100.0	0.0	-0.13	6.77e-03	-3.97e-03	5.11e-03	-0.02
56	8	0.01	5.63e-03	0.0	-0.27	0.0	0.0	0.13	7.48e-03	-4.80e-03	-1.85e-03	-0.02
		-0.02	-1.85e-03	0.0	0.0	100.0	0.0	-0.13	7.48e-03	-4.80e-03	5.63e-03	-0.02
56	9	0.01	5.11e-03	0.0	-0.27	0.0	0.0	0.13	6.77e-03	-3.97e-03	-1.66e-03	-0.02
		-0.02	-1.66e-03	0.0	0.0	100.0	0.0	-0.13	6.77e-03	-3.97e-03	5.11e-03	-0.02
56	10	0.01	5.63e-03	0.0	-0.27	0.0	0.0	0.13	7.48e-03	-4.80e-03	-1.85e-03	-0.02
		-0.02	-1.85e-03	0.0	0.0	100.0	0.0	-0.13	7.48e-03	-4.80e-03	5.63e-03	-0.02
56	11	0.01	5.11e-03	0.0	-0.27	0.0	0.0	0.13	6.77e-03	-3.97e-03	-1.66e-03	-0.02
		-0.02	-1.66e-03	0.0	0.0	100.0	0.0	-0.13	6.77e-03	-3.97e-03	5.11e-03	-0.02
56	12	0.01	5.63e-03	0.0	-0.27	0.0	0.0	0.13	7.48e-03	-4.80e-03	-1.85e-03	-0.02
		-0.02	-1.85e-03	0.0	0.0	100.0	0.0	-0.13	7.48e-03	-4.80e-03	5.63e-03	-0.02
56	13	0.01	4.55e-03	0.0	-0.27	0.0	0.0	0.13	6.09e-03	-6.01e-03	-1.55e-03	-0.02
		-0.02	-1.55e-03	0.0	0.0	100.0	0.0	-0.13	6.09e-03	-6.01e-03	4.55e-03	-0.02
56	14	0.01	4.75e-03	0.0	-0.27	0.0	0.0	0.13	6.37e-03	-6.34e-03	-1.62e-03	-0.02
		-0.02	-1.62e-03	0.0	0.0	100.0	0.0	-0.13	6.37e-03	-6.34e-03	4.75e-03	-0.02
56	15	0.01	4.73e-03	0.0	-0.27	0.0	0.0	0.13	6.32e-03	-5.33e-03	-1.59e-03	-0.02
		-0.02	-1.59e-03	0.0	0.0	100.0	0.0	-0.13	6.32e-03	-5.33e-03	4.73e-03	-0.02
56	16	0.01	4.55e-03	0.0	-0.27	0.0	0.0	0.13	6.09e-03	-6.01e-03	-1.55e-03	-0.02
		-0.02	-1.55e-03	0.0	0.0	100.0	0.0	-0.13	6.09e-03	-6.01e-03	4.55e-03	-0.02
56	17	0.01	4.55e-03	0.0	-0.27	0.0	0.0	0.13	6.09e-03	-6.01e-03	-1.55e-03	-0.02
		-0.02	-1.55e-03	0.0	0.0	100.0	0.0	-0.13	6.09e-03	-6.01e-03	4.55e-03	-0.02
56	18	0.01	4.55e-03	0.0	-0.27	0.0	0.0	0.13	6.09e-03	-6.01e-03	-1.55e-03	-0.02
		-0.02	-1.55e-03	0.0	0.0	100.0	0.0	-0.13	6.09e-03	-6.01e-03	4.55e-03	-0.02
56	19	0.01	4.55e-03	0.0	-0.27	0.0	0.0	0.13	6.09e-03	-6.01e-03	-1.55e-03	-0.02
		-0.02	-1.55e-03	0.0	0.0	100.0	0.0	-0.13	6.09e-03	-6.01e-03	4.55e-03	-0.02
56	20	0.01	4.55e-03	0.0	-0.27	0.0	0.0	0.13	6.09e-03	-6.01e-03	-1.55e-03	-0.02
		-0.02	-1.55e-03	0.0	0.0	100.0	0.0	-0.13	6.09e-03	-6.01e-03	4.55e-03	-0.02
56	21	0.01	6.76e-03	-1.22e-06	-0.35	0.0	0.0	0.17	8.94e-03	-4.76e-03	-2.19e-03	-0.03
		-0.03	-2.19e-03	0.0	0.0	100.0	0.0	-0.17	8.94e-03	-4.76e-03	6.76e-03	-0.03
56	22	0.01	8.31e-03	-1.22e-06	-0.35	0.0	0.0	0.17	0.01	-7.24e-03	-2.73e-03	-0.03
		-0.03	-2.73e-03	0.0	0.0	100.0	0.0	-0.17	0.01	-7.24e-03	8.31e-03	-0.03
56	23	0.01	5.39e-03	0.0	-0.27	0.0	0.0	0.13	7.11e-03	-2.95e-03	-1.72e-03	-0.02
		-0.02	-1.72e-03	0.0	0.0	100.0	0.0	-0.13	7.11e-03	-2.95e-03	5.39e-03	-0.02
56	24	0.01	6.95e-03	0.0	-0.27	0.0	0.0	0.13	9.22e-03	-5.44e-03	-2.27e-03	-0.02
		-0.02	-2.27e-03	0.0	0.0	100.0	0.0	-0.13	9.22e-03	-5.44e-03	6.95e-03	-0.02
56	25	0.01	7.32e-03	-1.22e-06	-0.35	0.0	0.0	0.17	9.62e-03	-2.72e-03	-2.30e-03	-0.03
		-0.03	-2.30e-03	0.0	0.0	100.0	0.0	-0.17	9.62e-03	-2.72e-03	7.32e-03	-0.03
56	26	0.01	8.10e-03	-1.22e-06	-0.35	0.0	0.0	0.17	0.01	-3.96e-03	-2.58e-03	-0.03



56	27	-0.03	-2.58e-03	0.0	0.0	100.0	0.0	-0.17	0.01	-3.96e-03	8.10e-03	-0.03
		0.01	5.96e-03	0.0	-0.27	0.0	0.0	0.13	7.79e-03	-9.20e-04	-1.84e-03	-0.02
		-0.02	-1.84e-03	0.0	0.0	100.0	0.0	-0.13	7.79e-03	-9.20e-04	5.96e-03	-0.02
56	28	0.01	6.73e-03	0.0	-0.27	0.0	0.0	0.13	8.85e-03	-2.16e-03	-2.11e-03	-0.02
		-0.02	-2.11e-03	0.0	0.0	100.0	0.0	-0.13	8.85e-03	-2.16e-03	6.73e-03	-0.02
56	29	0.01	6.76e-03	-1.22e-06	-0.35	0.0	0.0	0.17	8.94e-03	-4.76e-03	-2.19e-03	-0.03
		-0.03	-2.19e-03	0.0	0.0	100.0	0.0	-0.17	8.94e-03	-4.76e-03	6.76e-03	-0.03
56	30	0.01	7.53e-03	-1.22e-06	-0.35	0.0	0.0	0.17	9.99e-03	-6.00e-03	-2.46e-03	-0.03
		-0.03	-2.46e-03	0.0	0.0	100.0	0.0	-0.17	9.99e-03	-6.00e-03	7.53e-03	-0.03
56	31	0.01	5.39e-03	0.0	-0.27	0.0	0.0	0.13	7.11e-03	-2.95e-03	-1.72e-03	-0.02
		-0.02	-1.72e-03	0.0	0.0	100.0	0.0	-0.13	7.11e-03	-2.95e-03	5.39e-03	-0.02
56	32	0.01	6.17e-03	0.0	-0.27	0.0	0.0	0.13	8.17e-03	-4.20e-03	-1.99e-03	-0.02
		-0.02	-1.99e-03	0.0	0.0	100.0	0.0	-0.13	8.17e-03	-4.20e-03	6.17e-03	-0.02
56	33	0.01	6.76e-03	-1.22e-06	-0.35	0.0	0.0	0.17	8.94e-03	-4.76e-03	-2.19e-03	-0.03
		-0.03	-2.19e-03	0.0	0.0	100.0	0.0	-0.17	8.94e-03	-4.76e-03	6.76e-03	-0.03
56	34	0.01	7.53e-03	-1.22e-06	-0.35	0.0	0.0	0.17	9.99e-03	-6.00e-03	-2.46e-03	-0.03
		-0.03	-2.46e-03	0.0	0.0	100.0	0.0	-0.17	9.99e-03	-6.00e-03	7.53e-03	-0.03
56	35	0.01	5.39e-03	0.0	-0.27	0.0	0.0	0.13	7.11e-03	-2.95e-03	-1.72e-03	-0.02
		-0.02	-1.72e-03	0.0	0.0	100.0	0.0	-0.13	7.11e-03	-2.95e-03	5.39e-03	-0.02
56	36	0.01	6.17e-03	0.0	-0.27	0.0	0.0	0.13	8.17e-03	-4.20e-03	-1.99e-03	-0.02
		-0.02	-1.99e-03	0.0	0.0	100.0	0.0	-0.13	8.17e-03	-4.20e-03	6.17e-03	-0.02
56	37	0.01	6.76e-03	-1.22e-06	-0.35	0.0	0.0	0.17	8.94e-03	-4.76e-03	-2.19e-03	-0.03
		-0.03	-2.19e-03	0.0	0.0	100.0	0.0	-0.17	8.94e-03	-4.76e-03	6.76e-03	-0.03
56	38	0.01	7.53e-03	-1.22e-06	-0.35	0.0	0.0	0.17	9.99e-03	-6.00e-03	-2.46e-03	-0.03
		-0.03	-2.46e-03	0.0	0.0	100.0	0.0	-0.17	9.99e-03	-6.00e-03	7.53e-03	-0.03
56	39	0.01	5.39e-03	0.0	-0.27	0.0	0.0	0.13	7.11e-03	-2.95e-03	-1.72e-03	-0.02
		-0.02	-1.72e-03	0.0	0.0	100.0	0.0	-0.13	7.11e-03	-2.95e-03	5.39e-03	-0.02
56	40	0.01	6.17e-03	0.0	-0.27	0.0	0.0	0.13	8.17e-03	-4.20e-03	-1.99e-03	-0.02
		-0.02	-1.99e-03	0.0	0.0	100.0	0.0	-0.13	8.17e-03	-4.20e-03	6.17e-03	-0.02
56	41	0.01	6.76e-03	-1.22e-06	-0.35	0.0	0.0	0.17	8.94e-03	-4.76e-03	-2.19e-03	-0.03
		-0.03	-2.19e-03	0.0	0.0	100.0	0.0	-0.17	8.94e-03	-4.76e-03	6.76e-03	-0.03
56	42	0.01	7.53e-03	-1.22e-06	-0.35	0.0	0.0	0.17	9.99e-03	-6.00e-03	-2.46e-03	-0.03
		-0.03	-2.46e-03	0.0	0.0	100.0	0.0	-0.17	9.99e-03	-6.00e-03	7.53e-03	-0.03
56	43	0.01	5.39e-03	0.0	-0.27	0.0	0.0	0.13	7.11e-03	-2.95e-03	-1.72e-03	-0.02
		-0.02	-1.72e-03	0.0	0.0	100.0	0.0	-0.13	7.11e-03	-2.95e-03	5.39e-03	-0.02
56	44	0.01	6.17e-03	0.0	-0.27	0.0	0.0	0.13	8.17e-03	-4.20e-03	-1.99e-03	-0.02
		-0.02	-1.99e-03	0.0	0.0	100.0	0.0	-0.13	8.17e-03	-4.20e-03	6.17e-03	-0.02
56	45	0.01	4.55e-03	0.0	-0.27	0.0	0.0	0.13	6.09e-03	-6.01e-03	-1.55e-03	-0.02
		-0.02	-1.55e-03	0.0	0.0	100.0	0.0	-0.13	6.09e-03	-6.01e-03	4.55e-03	-0.02
57	1	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-8.60e-03	-6.88e-03	-0.02
		-0.02	-6.88e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-8.60e-03	0.01	-0.02
57	2	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-0.01	-8.25e-03	-0.02
		-0.02	-8.25e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.01	0.01	-0.02
57	3	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-4.01e-03	-7.45e-03	-0.02
		-0.02	-7.45e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-4.01e-03	0.01	-0.02
57	4	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-6.25e-03	-8.13e-03	-0.02
		-0.02	-8.13e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-6.25e-03	0.01	-0.02
57	5	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-8.60e-03	-6.88e-03	-0.02
		-0.02	-6.88e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-8.60e-03	0.01	-0.02
57	6	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-0.01	-7.57e-03	-0.02
		-0.02	-7.57e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.01	0.01	-0.02
57	7	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-8.60e-03	-6.88e-03	-0.02
		-0.02	-6.88e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-8.60e-03	0.01	-0.02
57	8	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-0.01	-7.57e-03	-0.02
		-0.02	-7.57e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.01	0.01	-0.02
57	9	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-8.60e-03	-6.88e-03	-0.02
		-0.02	-6.88e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-8.60e-03	0.01	-0.02
57	10	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-0.01	-7.57e-03	-0.02
		-0.02	-7.57e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.01	0.01	-0.02
57	11	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-8.60e-03	-6.88e-03	-0.02
		-0.02	-6.88e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-8.60e-03	0.01	-0.02
57	12	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-0.01	-7.57e-03	-0.02
		-0.02	-7.57e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.01	0.01	-0.02
57	13	0.01	9.96e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.02	-6.04e-03	-0.02
		-0.02	-6.04e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.02	9.96e-03	-0.02
57	14	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-0.02	-6.31e-03	-0.02
		-0.02	-6.31e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.02	0.01	-0.02
57	15	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-0.01	-6.32e-03	-0.02
		-0.02	-6.32e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.01	0.01	-0.02
57	16	0.01	9.96e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.02	-6.04e-03	-0.02
		-0.02	-6.04e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.02	9.96e-03	-0.02
57	17	0.01	9.96e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.02	-6.04e-03	-0.02
		-0.02	-6.04e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.02	9.96e-03	-0.02
57	18	0.01	9.96e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.02	-6.04e-03	-0.02
		-0.02	-6.04e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.02	9.96e-03	-0.02
57	19	0.01	9.96e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.02	-6.04e-03	-0.02
		-0.02	-6.04e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.02	9.96e-03	-0.02



57	20	0.01	9.96e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.02	-6.04e-03	-0.02
		-0.02	-6.04e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.02	9.96e-03	-0.02
57	21	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.18	0.02	-9.80e-03	-9.12e-03	-0.03
		-0.03	-9.12e-03	0.0	0.0	100.0	0.0	-0.17	0.02	-9.80e-03	0.02	-0.03
57	22	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.18	0.03	-0.02	-0.01	-0.03
		-0.03	-0.01	0.0	0.0	100.0	0.0	-0.17	0.03	-0.02	0.02	-0.03
57	23	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-5.16e-03	-7.31e-03	-0.02
		-0.02	-7.31e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-5.16e-03	0.01	-0.02
57	24	0.01	0.02	0.0	-0.27	0.0	0.0	0.13	0.03	-0.01	-9.36e-03	-0.02
		-0.02	-9.36e-03	0.0	0.0	100.0	0.0	-0.13	0.03	-0.01	0.02	-0.02
57	25	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.18	0.03	-2.92e-03	-9.97e-03	-0.03
		-0.03	-9.97e-03	0.0	0.0	100.0	0.0	-0.17	0.03	-2.92e-03	0.02	-0.03
57	26	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.18	0.03	-6.28e-03	-0.01	-0.03
		-0.03	-0.01	0.0	0.0	100.0	0.0	-0.17	0.03	-6.28e-03	0.02	-0.03
57	27	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	1.72e-03	-8.15e-03	-0.02
		-0.02	-8.15e-03	0.0	0.0	100.0	0.0	-0.13	0.02	1.72e-03	0.01	-0.02
57	28	0.01	0.02	0.0	-0.27	0.0	0.0	0.13	0.03	-1.64e-03	-9.18e-03	-0.02
		-0.02	-9.18e-03	0.0	0.0	100.0	0.0	-0.13	0.03	-1.64e-03	0.02	-0.02
57	29	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.18	0.02	-9.80e-03	-9.12e-03	-0.03
		-0.03	-9.12e-03	0.0	0.0	100.0	0.0	-0.17	0.02	-9.80e-03	0.02	-0.03
57	30	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.18	0.03	-0.01	-0.01	-0.03
		-0.03	-0.01	0.0	0.0	100.0	0.0	-0.17	0.03	-0.01	0.02	-0.03
57	31	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-5.16e-03	-7.31e-03	-0.02
		-0.02	-7.31e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-5.16e-03	0.01	-0.02
57	32	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-8.52e-03	-8.33e-03	-0.02
		-0.02	-8.33e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-8.52e-03	0.01	-0.02
57	33	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.18	0.02	-9.80e-03	-9.12e-03	-0.03
		-0.03	-9.12e-03	0.0	0.0	100.0	0.0	-0.17	0.02	-9.80e-03	0.02	-0.03
57	34	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.18	0.03	-0.01	-0.01	-0.03
		-0.03	-0.01	0.0	0.0	100.0	0.0	-0.17	0.03	-0.01	0.02	-0.03
57	35	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-5.16e-03	-7.31e-03	-0.02
		-0.02	-7.31e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-5.16e-03	0.01	-0.02
57	36	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-8.52e-03	-8.33e-03	-0.02
		-0.02	-8.33e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-8.52e-03	0.01	-0.02
57	37	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.18	0.02	-9.80e-03	-9.12e-03	-0.03
		-0.03	-9.12e-03	0.0	0.0	100.0	0.0	-0.17	0.02	-9.80e-03	0.02	-0.03
57	38	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.18	0.03	-0.01	-0.01	-0.03
		-0.03	-0.01	0.0	0.0	100.0	0.0	-0.17	0.03	-0.01	0.02	-0.03
57	39	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-5.16e-03	-7.31e-03	-0.02
		-0.02	-7.31e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-5.16e-03	0.01	-0.02
57	40	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-8.52e-03	-8.33e-03	-0.02
		-0.02	-8.33e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-8.52e-03	0.01	-0.02
57	41	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.18	0.02	-9.80e-03	-9.12e-03	-0.03
		-0.03	-9.12e-03	0.0	0.0	100.0	0.0	-0.17	0.02	-9.80e-03	0.02	-0.03
57	42	0.01	0.02	-1.22e-06	-0.35	0.0	0.0	0.18	0.03	-0.01	-0.01	-0.03
		-0.03	-0.01	0.0	0.0	100.0	0.0	-0.17	0.03	-0.01	0.02	-0.03
57	43	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-5.16e-03	-7.31e-03	-0.02
		-0.02	-7.31e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-5.16e-03	0.01	-0.02
57	44	0.01	0.01	0.0	-0.27	0.0	0.0	0.13	0.02	-8.52e-03	-8.33e-03	-0.02
		-0.02	-8.33e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-8.52e-03	0.01	-0.02
57	45	0.01	9.96e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.02	-6.04e-03	-0.02
		-0.02	-6.04e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.02	9.96e-03	-0.02
58	1	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.05	0.02	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.05	0.02	0.04	9.81e-04
58	2	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.06	0.03	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.06	0.03	0.04	1.18e-03
58	3	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.06	0.03	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.06	0.03	0.04	1.10e-03
58	4	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.06	0.03	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.06	0.03	0.04	1.20e-03
58	5	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.05	0.02	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.05	0.02	0.04	9.81e-04
58	6	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.06	0.02	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.06	0.02	0.04	1.08e-03
58	7	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.05	0.02	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.05	0.02	0.04	9.81e-04
58	8	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.06	0.02	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.06	0.02	0.04	1.08e-03
58	9	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.05	0.02	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.05	0.02	0.04	9.81e-04
58	10	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.06	0.02	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.06	0.02	0.04	1.08e-03
58	11	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.05	0.02	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.05	0.02	0.04	9.81e-04
58	12	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.06	0.02	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.06	0.02	0.04	1.08e-03
58	13	0.02	0.03	-1.15e-06	-0.27	0.0	0.0	0.16	0.05	0.01	-0.01	-0.02



58	14	-0.02	-0.01	0.0	0.0	100.0	0.0	-0.11	0.05	0.01	0.03	8.01e-04
		0.02	0.03	-1.16e-06	-0.27	0.0	0.0	0.16	0.05	0.01	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.05	0.01	0.03	8.41e-04
58	15	0.02	0.03	-1.16e-06	-0.27	0.0	0.0	0.16	0.05	0.02	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.05	0.02	0.03	8.61e-04
58	16	0.02	0.03	-1.15e-06	-0.27	0.0	0.0	0.16	0.05	0.01	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.11	0.05	0.01	0.03	8.01e-04
58	17	0.02	0.03	-1.15e-06	-0.27	0.0	0.0	0.16	0.05	0.01	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.11	0.05	0.01	0.03	8.01e-04
58	18	0.02	0.03	-1.15e-06	-0.27	0.0	0.0	0.16	0.05	0.01	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.11	0.05	0.01	0.03	8.01e-04
58	19	0.02	0.03	-1.15e-06	-0.27	0.0	0.0	0.16	0.05	0.01	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.11	0.05	0.01	0.03	8.01e-04
58	20	0.02	0.03	-1.15e-06	-0.27	0.0	0.0	0.16	0.05	0.01	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.11	0.05	0.01	0.03	8.01e-04
58	21	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.21	0.07	0.03	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.14	0.07	0.03	0.05	1.31e-03
58	22	0.03	0.06	-1.51e-06	-0.35	0.0	0.0	0.21	0.09	0.04	-0.03	-0.03
		-0.03	-0.03	0.0	0.0	100.0	0.0	-0.14	0.09	0.04	0.06	1.61e-03
58	23	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.06	0.03	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.06	0.03	0.04	1.07e-03
58	24	0.02	0.05	-1.16e-06	-0.27	0.0	0.0	0.16	0.07	0.03	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.07	0.03	0.05	1.37e-03
58	25	0.03	0.06	-1.50e-06	-0.35	0.0	0.0	0.21	0.08	0.05	-0.03	-0.03
		-0.03	-0.03	0.0	0.0	100.0	0.0	-0.14	0.08	0.05	0.06	1.49e-03
58	26	0.03	0.06	-1.51e-06	-0.35	0.0	0.0	0.21	0.09	0.05	-0.03	-0.03
		-0.03	-0.03	0.0	0.0	100.0	0.0	-0.14	0.09	0.05	0.06	1.64e-03
58	27	0.02	0.05	-1.16e-06	-0.27	0.0	0.0	0.16	0.07	0.04	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.07	0.04	0.05	1.25e-03
58	28	0.02	0.05	-1.16e-06	-0.27	0.0	0.0	0.16	0.07	0.04	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.07	0.04	0.05	1.40e-03
58	29	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.21	0.07	0.03	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.14	0.07	0.03	0.05	1.31e-03
58	30	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.21	0.08	0.03	-0.03	-0.03
		-0.03	-0.03	0.0	0.0	100.0	0.0	-0.14	0.08	0.03	0.05	1.46e-03
58	31	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.06	0.03	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.06	0.03	0.04	1.07e-03
58	32	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.07	0.03	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.07	0.03	0.04	1.22e-03
58	33	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.21	0.07	0.03	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.14	0.07	0.03	0.05	1.31e-03
58	34	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.21	0.08	0.03	-0.03	-0.03
		-0.03	-0.03	0.0	0.0	100.0	0.0	-0.14	0.08	0.03	0.05	1.46e-03
58	35	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.06	0.03	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.06	0.03	0.04	1.07e-03
58	36	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.07	0.03	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.07	0.03	0.04	1.22e-03
58	37	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.21	0.07	0.03	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.14	0.07	0.03	0.05	1.31e-03
58	38	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.21	0.08	0.03	-0.03	-0.03
		-0.03	-0.03	0.0	0.0	100.0	0.0	-0.14	0.08	0.03	0.05	1.46e-03
58	39	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.06	0.03	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.06	0.03	0.04	1.07e-03
58	40	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.07	0.03	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.07	0.03	0.04	1.22e-03
58	41	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.21	0.07	0.03	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.14	0.07	0.03	0.05	1.31e-03
58	42	0.03	0.05	-1.50e-06	-0.35	0.0	0.0	0.21	0.08	0.03	-0.03	-0.03
		-0.03	-0.03	0.0	0.0	100.0	0.0	-0.14	0.08	0.03	0.05	1.46e-03
58	43	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.06	0.03	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.06	0.03	0.04	1.07e-03
58	44	0.02	0.04	-1.16e-06	-0.27	0.0	0.0	0.16	0.07	0.03	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.11	0.07	0.03	0.04	1.22e-03
58	45	0.02	0.03	-1.15e-06	-0.27	0.0	0.0	0.16	0.05	0.01	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.11	0.05	0.01	0.03	8.01e-04
59	1	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.05	0.02	-0.04	9.81e-04
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.05	0.02	0.02	-0.02
59	2	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.06	0.03	-0.04	1.18e-03
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.06	0.03	0.02	-0.02
59	3	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.06	0.03	-0.04	1.10e-03
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.06	0.03	0.02	-0.02
59	4	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.06	0.03	-0.04	1.20e-03
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.06	0.03	0.02	-0.02
59	5	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.05	0.02	-0.04	9.81e-04
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.05	0.02	0.02	-0.02
59	6	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.06	0.02	-0.04	1.08e-03
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.06	0.02	0.02	-0.02



59	7	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.05	0.02	-0.04	9.81e-04
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.05	0.02	0.02	-0.02
59	8	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.06	0.02	-0.04	1.08e-03
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.06	0.02	0.02	-0.02
59	9	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.05	0.02	-0.04	9.81e-04
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.05	0.02	0.02	-0.02
59	10	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.06	0.02	-0.04	1.08e-03
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.06	0.02	0.02	-0.02
59	11	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.05	0.02	-0.04	9.81e-04
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.05	0.02	0.02	-0.02
59	12	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.06	0.02	-0.04	1.08e-03
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.06	0.02	0.02	-0.02
59	13	0.02	0.01	-1.15e-06	-0.27	0.0	0.0	0.11	0.05	0.01	-0.03	8.01e-04
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.16	0.05	0.01	0.01	-0.02
59	14	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.05	0.01	-0.03	8.41e-04
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.16	0.05	0.01	0.02	-0.02
59	15	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.05	0.02	-0.03	8.61e-04
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.16	0.05	0.02	0.02	-0.02
59	16	0.02	0.01	-1.15e-06	-0.27	0.0	0.0	0.11	0.05	0.01	-0.03	8.01e-04
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.16	0.05	0.01	0.01	-0.02
59	17	0.02	0.01	-1.15e-06	-0.27	0.0	0.0	0.11	0.05	0.01	-0.03	8.01e-04
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.16	0.05	0.01	0.01	-0.02
59	18	0.02	0.01	-1.15e-06	-0.27	0.0	0.0	0.11	0.05	0.01	-0.03	8.01e-04
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.16	0.05	0.01	0.01	-0.02
59	19	0.02	0.01	-1.15e-06	-0.27	0.0	0.0	0.11	0.05	0.01	-0.03	8.01e-04
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.16	0.05	0.01	0.01	-0.02
59	20	0.02	0.01	-1.15e-06	-0.27	0.0	0.0	0.11	0.05	0.01	-0.03	8.01e-04
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.16	0.05	0.01	0.01	-0.02
59	21	0.03	0.02	-1.50e-06	-0.35	0.0	0.0	0.14	0.07	0.03	-0.05	1.31e-03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.21	0.07	0.03	0.02	-0.03
59	22	0.03	0.03	-1.51e-06	-0.35	0.0	0.0	0.14	0.09	0.04	-0.06	1.61e-03
		-0.03	-0.06	0.0	0.0	100.0	0.0	-0.21	0.09	0.04	0.03	-0.03
59	23	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.06	0.03	-0.04	1.07e-03
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.06	0.03	0.02	-0.02
59	24	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.07	0.03	-0.05	1.37e-03
		-0.02	-0.05	0.0	0.0	100.0	0.0	-0.16	0.07	0.03	0.02	-0.02
59	25	0.03	0.03	-1.50e-06	-0.35	0.0	0.0	0.14	0.08	0.05	-0.06	1.49e-03
		-0.03	-0.06	0.0	0.0	100.0	0.0	-0.21	0.08	0.05	0.03	-0.03
59	26	0.03	0.03	-1.51e-06	-0.35	0.0	0.0	0.14	0.09	0.05	-0.06	1.64e-03
		-0.03	-0.06	0.0	0.0	100.0	0.0	-0.21	0.09	0.05	0.03	-0.03
59	27	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.07	0.04	-0.05	1.25e-03
		-0.02	-0.05	0.0	0.0	100.0	0.0	-0.16	0.07	0.04	0.02	-0.02
59	28	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.07	0.04	-0.05	1.40e-03
		-0.02	-0.05	0.0	0.0	100.0	0.0	-0.16	0.07	0.04	0.02	-0.02
59	29	0.03	0.02	-1.50e-06	-0.35	0.0	0.0	0.14	0.07	0.03	-0.05	1.31e-03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.21	0.07	0.03	0.02	-0.03
59	30	0.03	0.03	-1.50e-06	-0.35	0.0	0.0	0.14	0.08	0.03	-0.05	1.46e-03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.21	0.08	0.03	0.03	-0.03
59	31	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.06	0.03	-0.04	1.07e-03
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.06	0.03	0.02	-0.02
59	32	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.07	0.03	-0.04	1.22e-03
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.07	0.03	0.02	-0.02
59	33	0.03	0.02	-1.50e-06	-0.35	0.0	0.0	0.14	0.07	0.03	-0.05	1.31e-03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.21	0.07	0.03	0.02	-0.03
59	34	0.03	0.03	-1.50e-06	-0.35	0.0	0.0	0.14	0.08	0.03	-0.05	1.46e-03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.21	0.08	0.03	0.03	-0.03
59	35	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.06	0.03	-0.04	1.07e-03
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.06	0.03	0.02	-0.02
59	36	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.07	0.03	-0.04	1.22e-03
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.07	0.03	0.02	-0.02
59	37	0.03	0.02	-1.50e-06	-0.35	0.0	0.0	0.14	0.07	0.03	-0.05	1.31e-03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.21	0.07	0.03	0.02	-0.03
59	38	0.03	0.03	-1.50e-06	-0.35	0.0	0.0	0.14	0.08	0.03	-0.05	1.46e-03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.21	0.08	0.03	0.03	-0.03
59	39	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.06	0.03	-0.04	1.07e-03
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.06	0.03	0.02	-0.02
59	40	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.07	0.03	-0.04	1.22e-03
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.07	0.03	0.02	-0.02
59	41	0.03	0.02	-1.50e-06	-0.35	0.0	0.0	0.14	0.07	0.03	-0.05	1.31e-03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.21	0.07	0.03	0.02	-0.03
59	42	0.03	0.03	-1.50e-06	-0.35	0.0	0.0	0.14	0.08	0.03	-0.05	1.46e-03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.21	0.08	0.03	0.03	-0.03
59	43	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.06	0.03	-0.04	1.07e-03
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.06	0.03	0.02	-0.02
59	44	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.11	0.07	0.03	-0.04	1.22e-03
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.16	0.07	0.03	0.02	-0.02
59	45	0.02	0.01	-1.15e-06	-0.27	0.0	0.0	0.11	0.05	0.01	-0.03	8.01e-04



60	1	-0.02	-0.03	0.0	0.0	100.0	0.0	-0.16	0.05	0.01	0.01	-0.02
		0.01	6.88e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-8.60e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-8.60e-03	6.88e-03	-0.02
60	2	0.01	8.25e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.01	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-0.01	8.25e-03	-0.02
60	3	0.01	7.45e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-4.01e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-4.01e-03	7.45e-03	-0.02
60	4	0.01	8.13e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-6.25e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-6.25e-03	8.13e-03	-0.02
60	5	0.01	6.88e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-8.60e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-8.60e-03	6.88e-03	-0.02
60	6	0.01	7.57e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.01	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-0.01	7.57e-03	-0.02
60	7	0.01	6.88e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-8.60e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-8.60e-03	6.88e-03	-0.02
60	8	0.01	7.57e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.01	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-0.01	7.57e-03	-0.02
60	9	0.01	6.88e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-8.60e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-8.60e-03	6.88e-03	-0.02
60	10	0.01	7.57e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.01	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-0.01	7.57e-03	-0.02
60	11	0.01	6.88e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-8.60e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-8.60e-03	6.88e-03	-0.02
60	12	0.01	7.57e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.01	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-0.01	7.57e-03	-0.02
60	13	0.01	6.04e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.02	-9.96e-03	-0.02
		-0.02	-9.96e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.02	6.04e-03	-0.02
60	14	0.01	6.31e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.02	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-0.02	6.31e-03	-0.02
60	15	0.01	6.32e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.01	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-0.01	6.32e-03	-0.02
60	16	0.01	6.04e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.02	-9.96e-03	-0.02
		-0.02	-9.96e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.02	6.04e-03	-0.02
60	17	0.01	6.04e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.02	-9.96e-03	-0.02
		-0.02	-9.96e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.02	6.04e-03	-0.02
60	18	0.01	6.04e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.02	-9.96e-03	-0.02
		-0.02	-9.96e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.02	6.04e-03	-0.02
60	19	0.01	6.04e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.02	-9.96e-03	-0.02
		-0.02	-9.96e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.02	6.04e-03	-0.02
60	20	0.01	6.04e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.02	-9.96e-03	-0.02
		-0.02	-9.96e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.02	6.04e-03	-0.02
60	21	0.01	9.12e-03	-1.22e-06	-0.35	0.0	0.0	0.17	0.02	-9.80e-03	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.18	0.02	-9.80e-03	9.12e-03	-0.03
60	22	0.01	0.01	-1.22e-06	-0.35	0.0	0.0	0.17	0.03	-0.02	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.18	0.03	-0.02	0.01	-0.03
60	23	0.01	7.31e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-5.16e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-5.16e-03	7.31e-03	-0.02
60	24	0.01	9.36e-03	0.0	-0.27	0.0	0.0	0.13	0.03	-0.01	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.13	0.03	-0.01	9.36e-03	-0.02
60	25	0.01	9.97e-03	-1.22e-06	-0.35	0.0	0.0	0.17	0.03	-2.92e-03	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.18	0.03	-2.92e-03	9.97e-03	-0.03
60	26	0.01	0.01	-1.22e-06	-0.35	0.0	0.0	0.17	0.03	-6.28e-03	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.18	0.03	-6.28e-03	0.01	-0.03
60	27	0.01	8.15e-03	0.0	-0.27	0.0	0.0	0.13	0.02	1.72e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	1.72e-03	8.15e-03	-0.02
60	28	0.01	9.18e-03	0.0	-0.27	0.0	0.0	0.13	0.03	-1.64e-03	-0.02	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.13	0.03	-1.64e-03	9.18e-03	-0.02
60	29	0.01	9.12e-03	-1.22e-06	-0.35	0.0	0.0	0.17	0.02	-9.80e-03	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.18	0.02	-9.80e-03	9.12e-03	-0.03
60	30	0.01	0.01	-1.22e-06	-0.35	0.0	0.0	0.17	0.03	-0.01	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.18	0.03	-0.01	0.01	-0.03
60	31	0.01	7.31e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-5.16e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-5.16e-03	7.31e-03	-0.02
60	32	0.01	8.33e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-8.52e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-8.52e-03	8.33e-03	-0.02
60	33	0.01	9.12e-03	-1.22e-06	-0.35	0.0	0.0	0.17	0.02	-9.80e-03	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.18	0.02	-9.80e-03	9.12e-03	-0.03
60	34	0.01	0.01	-1.22e-06	-0.35	0.0	0.0	0.17	0.03	-0.01	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.18	0.03	-0.01	0.01	-0.03
60	35	0.01	7.31e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-5.16e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-5.16e-03	7.31e-03	-0.02
60	36	0.01	8.33e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-8.52e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-8.52e-03	8.33e-03	-0.02
60	37	0.01	9.12e-03	-1.22e-06	-0.35	0.0	0.0	0.17	0.02	-9.80e-03	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.18	0.02	-9.80e-03	9.12e-03	-0.03
60	38	0.01	0.01	-1.22e-06	-0.35	0.0	0.0	0.17	0.03	-0.01	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.18	0.03	-0.01	0.01	-0.03



60	39	0.01	7.31e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-5.16e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-5.16e-03	7.31e-03	-0.02
60	40	0.01	8.33e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-8.52e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-8.52e-03	8.33e-03	-0.02
60	41	0.01	9.12e-03	-1.22e-06	-0.35	0.0	0.0	0.17	0.02	-9.80e-03	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.18	0.02	-9.80e-03	9.12e-03	-0.03
60	42	0.01	0.01	-1.22e-06	-0.35	0.0	0.0	0.17	0.03	-0.01	-0.02	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.18	0.03	-0.01	0.01	-0.03
60	43	0.01	7.31e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-5.16e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-5.16e-03	7.31e-03	-0.02
60	44	0.01	8.33e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-8.52e-03	-0.01	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	0.02	-8.52e-03	8.33e-03	-0.02
60	45	0.01	6.04e-03	0.0	-0.27	0.0	0.0	0.13	0.02	-0.02	-9.96e-03	-0.02
		-0.02	-9.96e-03	0.0	0.0	100.0	0.0	-0.13	0.02	-0.02	6.04e-03	-0.02
61	1	0.01	1.66e-03	0.0	-0.27	0.0	0.0	0.13	6.77e-03	-3.97e-03	-5.11e-03	-0.02
		-0.02	-5.11e-03	0.0	0.0	100.0	0.0	-0.13	6.77e-03	-3.97e-03	1.66e-03	-0.02
61	2	0.01	2.03e-03	0.0	-0.27	0.0	0.0	0.13	8.18e-03	-5.63e-03	-6.15e-03	-0.02
		-0.02	-6.15e-03	0.0	0.0	100.0	0.0	-0.13	8.18e-03	-5.63e-03	2.03e-03	-0.02
61	3	0.01	1.74e-03	0.0	-0.27	0.0	0.0	0.13	7.23e-03	-2.61e-03	-5.49e-03	-0.02
		-0.02	-5.49e-03	0.0	0.0	100.0	0.0	-0.13	7.23e-03	-2.61e-03	1.74e-03	-0.02
61	4	0.01	1.92e-03	0.0	-0.27	0.0	0.0	0.13	7.93e-03	-3.44e-03	-6.01e-03	-0.02
		-0.02	-6.01e-03	0.0	0.0	100.0	0.0	-0.13	7.93e-03	-3.44e-03	1.92e-03	-0.02
61	5	0.01	1.66e-03	0.0	-0.27	0.0	0.0	0.13	6.77e-03	-3.97e-03	-5.11e-03	-0.02
		-0.02	-5.11e-03	0.0	0.0	100.0	0.0	-0.13	6.77e-03	-3.97e-03	1.66e-03	-0.02
61	6	0.01	1.85e-03	0.0	-0.27	0.0	0.0	0.13	7.48e-03	-4.80e-03	-5.63e-03	-0.02
		-0.02	-5.63e-03	0.0	0.0	100.0	0.0	-0.13	7.48e-03	-4.80e-03	1.85e-03	-0.02
61	7	0.01	1.66e-03	0.0	-0.27	0.0	0.0	0.13	6.77e-03	-3.97e-03	-5.11e-03	-0.02
		-0.02	-5.11e-03	0.0	0.0	100.0	0.0	-0.13	6.77e-03	-3.97e-03	1.66e-03	-0.02
61	8	0.01	1.85e-03	0.0	-0.27	0.0	0.0	0.13	7.48e-03	-4.80e-03	-5.63e-03	-0.02
		-0.02	-5.63e-03	0.0	0.0	100.0	0.0	-0.13	7.48e-03	-4.80e-03	1.85e-03	-0.02
61	9	0.01	1.66e-03	0.0	-0.27	0.0	0.0	0.13	6.77e-03	-3.97e-03	-5.11e-03	-0.02
		-0.02	-5.11e-03	0.0	0.0	100.0	0.0	-0.13	6.77e-03	-3.97e-03	1.66e-03	-0.02
61	10	0.01	1.85e-03	0.0	-0.27	0.0	0.0	0.13	7.48e-03	-4.80e-03	-5.63e-03	-0.02
		-0.02	-5.63e-03	0.0	0.0	100.0	0.0	-0.13	7.48e-03	-4.80e-03	1.85e-03	-0.02
61	11	0.01	1.66e-03	0.0	-0.27	0.0	0.0	0.13	6.77e-03	-3.97e-03	-5.11e-03	-0.02
		-0.02	-5.11e-03	0.0	0.0	100.0	0.0	-0.13	6.77e-03	-3.97e-03	1.66e-03	-0.02
61	12	0.01	1.85e-03	0.0	-0.27	0.0	0.0	0.13	7.48e-03	-4.80e-03	-5.63e-03	-0.02
		-0.02	-5.63e-03	0.0	0.0	100.0	0.0	-0.13	7.48e-03	-4.80e-03	1.85e-03	-0.02
61	13	0.01	1.55e-03	0.0	-0.27	0.0	0.0	0.13	6.09e-03	-6.01e-03	-4.55e-03	-0.02
		-0.02	-4.55e-03	0.0	0.0	100.0	0.0	-0.13	6.09e-03	-6.01e-03	1.55e-03	-0.02
61	14	0.01	1.62e-03	0.0	-0.27	0.0	0.0	0.13	6.37e-03	-6.34e-03	-4.75e-03	-0.02
		-0.02	-4.75e-03	0.0	0.0	100.0	0.0	-0.13	6.37e-03	-6.34e-03	1.62e-03	-0.02
61	15	0.01	1.59e-03	0.0	-0.27	0.0	0.0	0.13	6.32e-03	-5.33e-03	-4.73e-03	-0.02
		-0.02	-4.73e-03	0.0	0.0	100.0	0.0	-0.13	6.32e-03	-5.33e-03	1.59e-03	-0.02
61	16	0.01	1.55e-03	0.0	-0.27	0.0	0.0	0.13	6.09e-03	-6.01e-03	-4.55e-03	-0.02
		-0.02	-4.55e-03	0.0	0.0	100.0	0.0	-0.13	6.09e-03	-6.01e-03	1.55e-03	-0.02
61	17	0.01	1.55e-03	0.0	-0.27	0.0	0.0	0.13	6.09e-03	-6.01e-03	-4.55e-03	-0.02
		-0.02	-4.55e-03	0.0	0.0	100.0	0.0	-0.13	6.09e-03	-6.01e-03	1.55e-03	-0.02
61	18	0.01	1.55e-03	0.0	-0.27	0.0	0.0	0.13	6.09e-03	-6.01e-03	-4.55e-03	-0.02
		-0.02	-4.55e-03	0.0	0.0	100.0	0.0	-0.13	6.09e-03	-6.01e-03	1.55e-03	-0.02
61	19	0.01	1.55e-03	0.0	-0.27	0.0	0.0	0.13	6.09e-03	-6.01e-03	-4.55e-03	-0.02
		-0.02	-4.55e-03	0.0	0.0	100.0	0.0	-0.13	6.09e-03	-6.01e-03	1.55e-03	-0.02
61	20	0.01	1.55e-03	0.0	-0.27	0.0	0.0	0.13	6.09e-03	-6.01e-03	-4.55e-03	-0.02
		-0.02	-4.55e-03	0.0	0.0	100.0	0.0	-0.13	6.09e-03	-6.01e-03	1.55e-03	-0.02
61	21	0.01	2.19e-03	-1.22e-06	-0.35	0.0	0.0	0.17	8.94e-03	-4.76e-03	-6.76e-03	-0.03
		-0.03	-6.76e-03	0.0	0.0	100.0	0.0	-0.17	8.94e-03	-4.76e-03	2.19e-03	-0.03
61	22	0.01	2.73e-03	-1.22e-06	-0.35	0.0	0.0	0.17	0.01	-7.24e-03	-8.31e-03	-0.03
		-0.03	-8.31e-03	0.0	0.0	100.0	0.0	-0.17	0.01	-7.24e-03	2.73e-03	-0.03
61	23	0.01	1.72e-03	0.0	-0.27	0.0	0.0	0.13	7.11e-03	-2.95e-03	-5.39e-03	-0.02
		-0.02	-5.39e-03	0.0	0.0	100.0	0.0	-0.13	7.11e-03	-2.95e-03	1.72e-03	-0.02
61	24	0.01	2.27e-03	0.0	-0.27	0.0	0.0	0.13	9.22e-03	-5.44e-03	-6.95e-03	-0.02
		-0.02	-6.95e-03	0.0	0.0	100.0	0.0	-0.13	9.22e-03	-5.44e-03	2.27e-03	-0.02
61	25	0.01	2.30e-03	-1.22e-06	-0.35	0.0	0.0	0.17	9.62e-03	-2.72e-03	-7.32e-03	-0.03
		-0.03	-7.32e-03	0.0	0.0	100.0	0.0	-0.17	9.62e-03	-2.72e-03	2.30e-03	-0.03
61	26	0.01	2.58e-03	-1.22e-06	-0.35	0.0	0.0	0.17	0.01	-3.96e-03	-8.10e-03	-0.03
		-0.03	-8.10e-03	0.0	0.0	100.0	0.0	-0.17	0.01	-3.96e-03	2.58e-03	-0.03
61	27	0.01	1.84e-03	0.0	-0.27	0.0	0.0	0.13	7.79e-03	-9.20e-04	-5.96e-03	-0.02
		-0.02	-5.96e-03	0.0	0.0	100.0	0.0	-0.13	7.79e-03	-9.20e-04	1.84e-03	-0.02
61	28	0.01	2.11e-03	0.0	-0.27	0.0	0.0	0.13	8.85e-03	-2.16e-03	-6.73e-03	-0.02
		-0.02	-6.73e-03	0.0	0.0	100.0	0.0	-0.13	8.85e-03	-2.16e-03	2.11e-03	-0.02
61	29	0.01	2.19e-03	-1.22e-06	-0.35	0.0	0.0	0.17	8.94e-03	-4.76e-03	-6.76e-03	-0.03
		-0.03	-6.76e-03	0.0	0.0	100.0	0.0	-0.17	8.94e-03	-4.76e-03	2.19e-03	-0.03
61	30	0.01	2.46e-03	-1.22e-06	-0.35	0.0	0.0	0.17	9.99e-03	-6.00e-03	-7.53e-03	-0.03
		-0.03	-7.53e-03	0.0	0.0	100.0	0.0	-0.17	9.99e-03	-6.00e-03	2.46e-03	-0.03
61	31	0.01	1.72e-03	0.0	-0.27	0.0	0.0	0.13	7.11e-03	-2.95e-03	-5.39e-03	-0.02
		-0.02	-5.39e-03	0.0	0.0	100.0	0.0	-0.13	7.11e-03	-2.95e-03	1.72e-03	-0.02
61	32	0.01	1.99e-03	0.0	-0.27	0.0	0.0	0.13	8.17e-03	-4.20e-03	-6.17e-03	-0.02



61	33	-0.02	-6.17e-03	0.0	0.0	100.0	0.0	-0.13	8.17e-03	-4.20e-03	1.99e-03	-0.02
		0.01	2.19e-03	-1.22e-06	-0.35	0.0	0.0	0.17	8.94e-03	-4.76e-03	-6.76e-03	-0.03
		-0.03	-6.76e-03	0.0	0.0	100.0	0.0	-0.17	8.94e-03	-4.76e-03	2.19e-03	-0.03
61	34	0.01	2.46e-03	-1.22e-06	-0.35	0.0	0.0	0.17	9.99e-03	-6.00e-03	-7.53e-03	-0.03
		-0.03	-7.53e-03	0.0	0.0	100.0	0.0	-0.17	9.99e-03	-6.00e-03	2.46e-03	-0.03
61	35	0.01	1.72e-03	0.0	-0.27	0.0	0.0	0.13	7.11e-03	-2.95e-03	-5.39e-03	-0.02
		-0.02	-5.39e-03	0.0	0.0	100.0	0.0	-0.13	7.11e-03	-2.95e-03	1.72e-03	-0.02
61	36	0.01	1.99e-03	0.0	-0.27	0.0	0.0	0.13	8.17e-03	-4.20e-03	-6.17e-03	-0.02
		-0.02	-6.17e-03	0.0	0.0	100.0	0.0	-0.13	8.17e-03	-4.20e-03	1.99e-03	-0.02
61	37	0.01	2.19e-03	-1.22e-06	-0.35	0.0	0.0	0.17	8.94e-03	-4.76e-03	-6.76e-03	-0.03
		-0.03	-6.76e-03	0.0	0.0	100.0	0.0	-0.17	8.94e-03	-4.76e-03	2.19e-03	-0.03
61	38	0.01	2.46e-03	-1.22e-06	-0.35	0.0	0.0	0.17	9.99e-03	-6.00e-03	-7.53e-03	-0.03
		-0.03	-7.53e-03	0.0	0.0	100.0	0.0	-0.17	9.99e-03	-6.00e-03	2.46e-03	-0.03
61	39	0.01	1.72e-03	0.0	-0.27	0.0	0.0	0.13	7.11e-03	-2.95e-03	-5.39e-03	-0.02
		-0.02	-5.39e-03	0.0	0.0	100.0	0.0	-0.13	7.11e-03	-2.95e-03	1.72e-03	-0.02
61	40	0.01	1.99e-03	0.0	-0.27	0.0	0.0	0.13	8.17e-03	-4.20e-03	-6.17e-03	-0.02
		-0.02	-6.17e-03	0.0	0.0	100.0	0.0	-0.13	8.17e-03	-4.20e-03	1.99e-03	-0.02
61	41	0.01	2.19e-03	-1.22e-06	-0.35	0.0	0.0	0.17	8.94e-03	-4.76e-03	-6.76e-03	-0.03
		-0.03	-6.76e-03	0.0	0.0	100.0	0.0	-0.17	8.94e-03	-4.76e-03	2.19e-03	-0.03
61	42	0.01	2.46e-03	-1.22e-06	-0.35	0.0	0.0	0.17	9.99e-03	-6.00e-03	-7.53e-03	-0.03
		-0.03	-7.53e-03	0.0	0.0	100.0	0.0	-0.17	9.99e-03	-6.00e-03	2.46e-03	-0.03
61	43	0.01	1.72e-03	0.0	-0.27	0.0	0.0	0.13	7.11e-03	-2.95e-03	-5.39e-03	-0.02
		-0.02	-5.39e-03	0.0	0.0	100.0	0.0	-0.13	7.11e-03	-2.95e-03	1.72e-03	-0.02
61	44	0.01	1.99e-03	0.0	-0.27	0.0	0.0	0.13	8.17e-03	-4.20e-03	-6.17e-03	-0.02
		-0.02	-6.17e-03	0.0	0.0	100.0	0.0	-0.13	8.17e-03	-4.20e-03	1.99e-03	-0.02
61	45	0.01	1.55e-03	0.0	-0.27	0.0	0.0	0.13	6.09e-03	-6.01e-03	-4.55e-03	-0.02
		-0.02	-4.55e-03	0.0	0.0	100.0	0.0	-0.13	6.09e-03	-6.01e-03	1.55e-03	-0.02
62	1	0.01	7.74e-05	0.0	-0.27	0.0	0.0	0.13	8.51e-04	-4.18e-03	-7.73e-04	-0.02
		-0.02	-7.73e-04	0.0	0.0	100.0	0.0	-0.13	8.51e-04	-4.18e-03	7.74e-05	-0.02
62	2	0.01	1.08e-04	0.0	-0.27	0.0	0.0	0.13	1.07e-03	-5.25e-03	-9.58e-04	-0.02
		-0.02	-9.58e-04	0.0	0.0	100.0	0.0	-0.13	1.07e-03	-5.25e-03	1.08e-04	-0.02
62	3	0.01	5.55e-05	0.0	-0.27	0.0	0.0	0.13	8.36e-04	-4.05e-03	-7.80e-04	-0.02
		-0.02	-7.80e-04	0.0	0.0	100.0	0.0	-0.13	8.36e-04	-4.05e-03	5.55e-05	-0.02
62	4	0.01	7.08e-05	0.0	-0.27	0.0	0.0	0.13	9.43e-04	-4.59e-03	-8.72e-04	-0.02
		-0.02	-8.72e-04	0.0	0.0	100.0	0.0	-0.13	9.43e-04	-4.59e-03	7.08e-05	-0.02
62	5	0.01	7.74e-05	0.0	-0.27	0.0	0.0	0.13	8.51e-04	-4.18e-03	-7.73e-04	-0.02
		-0.02	-7.73e-04	0.0	0.0	100.0	0.0	-0.13	8.51e-04	-4.18e-03	7.74e-05	-0.02
62	6	0.01	9.27e-05	0.0	-0.27	0.0	0.0	0.13	9.58e-04	-4.72e-03	-8.65e-04	-0.02
		-0.02	-8.65e-04	0.0	0.0	100.0	0.0	-0.13	9.58e-04	-4.72e-03	9.27e-05	-0.02
62	7	0.01	7.74e-05	0.0	-0.27	0.0	0.0	0.13	8.51e-04	-4.18e-03	-7.73e-04	-0.02
		-0.02	-7.73e-04	0.0	0.0	100.0	0.0	-0.13	8.51e-04	-4.18e-03	7.74e-05	-0.02
62	8	0.01	9.27e-05	0.0	-0.27	0.0	0.0	0.13	9.58e-04	-4.72e-03	-8.65e-04	-0.02
		-0.02	-8.65e-04	0.0	0.0	100.0	0.0	-0.13	9.58e-04	-4.72e-03	9.27e-05	-0.02
62	9	0.01	7.74e-05	0.0	-0.27	0.0	0.0	0.13	8.51e-04	-4.18e-03	-7.73e-04	-0.02
		-0.02	-7.73e-04	0.0	0.0	100.0	0.0	-0.13	8.51e-04	-4.18e-03	7.74e-05	-0.02
62	10	0.01	9.27e-05	0.0	-0.27	0.0	0.0	0.13	9.58e-04	-4.72e-03	-8.65e-04	-0.02
		-0.02	-8.65e-04	0.0	0.0	100.0	0.0	-0.13	9.58e-04	-4.72e-03	9.27e-05	-0.02
62	11	0.01	7.74e-05	0.0	-0.27	0.0	0.0	0.13	8.51e-04	-4.18e-03	-7.73e-04	-0.02
		-0.02	-7.73e-04	0.0	0.0	100.0	0.0	-0.13	8.51e-04	-4.18e-03	7.74e-05	-0.02
62	12	0.01	9.27e-05	0.0	-0.27	0.0	0.0	0.13	9.58e-04	-4.72e-03	-8.65e-04	-0.02
		-0.02	-8.65e-04	0.0	0.0	100.0	0.0	-0.13	9.58e-04	-4.72e-03	9.27e-05	-0.02
62	13	0.01	1.10e-04	0.0	-0.27	0.0	0.0	0.13	8.73e-04	-4.37e-03	-7.63e-04	-0.02
		-0.02	-7.63e-04	0.0	0.0	100.0	0.0	-0.13	8.73e-04	-4.37e-03	1.10e-04	-0.02
62	14	0.01	1.16e-04	0.0	-0.27	0.0	0.0	0.13	9.16e-04	-4.59e-03	-8.00e-04	-0.02
		-0.02	-8.00e-04	0.0	0.0	100.0	0.0	-0.13	9.16e-04	-4.59e-03	1.16e-04	-0.02
62	15	0.01	9.93e-05	0.0	-0.27	0.0	0.0	0.13	8.66e-04	-4.31e-03	-7.66e-04	-0.02
		-0.02	-7.66e-04	0.0	0.0	100.0	0.0	-0.13	8.66e-04	-4.31e-03	9.93e-05	-0.02
62	16	0.01	1.10e-04	0.0	-0.27	0.0	0.0	0.13	8.73e-04	-4.37e-03	-7.63e-04	-0.02
		-0.02	-7.63e-04	0.0	0.0	100.0	0.0	-0.13	8.73e-04	-4.37e-03	1.10e-04	-0.02
62	17	0.01	1.10e-04	0.0	-0.27	0.0	0.0	0.13	8.73e-04	-4.37e-03	-7.63e-04	-0.02
		-0.02	-7.63e-04	0.0	0.0	100.0	0.0	-0.13	8.73e-04	-4.37e-03	1.10e-04	-0.02
62	18	0.01	1.10e-04	0.0	-0.27	0.0	0.0	0.13	8.73e-04	-4.37e-03	-7.63e-04	-0.02
		-0.02	-7.63e-04	0.0	0.0	100.0	0.0	-0.13	8.73e-04	-4.37e-03	1.10e-04	-0.02
62	19	0.01	1.10e-04	0.0	-0.27	0.0	0.0	0.13	8.73e-04	-4.37e-03	-7.63e-04	-0.02
		-0.02	-7.63e-04	0.0	0.0	100.0	0.0	-0.13	8.73e-04	-4.37e-03	1.10e-04	-0.02
62	20	0.01	1.10e-04	0.0	-0.27	0.0	0.0	0.13	8.73e-04	-4.37e-03	-7.63e-04	-0.02
		-0.02	-7.63e-04	0.0	0.0	100.0	0.0	-0.13	8.73e-04	-4.37e-03	1.10e-04	-0.02
62	21	0.01	9.40e-05	-1.22e-06	-0.35	0.0	0.0	0.17	1.10e-03	-5.40e-03	-1.01e-03	-0.03
		-0.03	-1.01e-03	0.0	0.0	100.0	0.0	-0.17	1.10e-03	-5.40e-03	9.40e-05	-0.03
62	22	0.01	1.40e-04	-1.22e-06	-0.35	0.0	0.0	0.17	1.42e-03	-7.00e-03	-1.28e-03	-0.03
		-0.03	-1.28e-03	0.0	0.0	100.0	0.0	-0.17	1.42e-03	-7.00e-03	1.40e-04	-0.03
62	23	0.01	6.09e-05	0.0	-0.27	0.0	0.0	0.13	8.39e-04	-4.09e-03	-7.78e-04	-0.02
		-0.02	-7.78e-04	0.0	0.0	100.0	0.0	-0.13	8.39e-04	-4.09e-03	6.09e-05	-0.02
62	24	0.01	1.07e-04	0.0	-0.27	0.0	0.0	0.13	1.16e-03	-5.69e-03	-1.05e-03	-0.02
		-0.02	-1.05e-03	0.0	0.0	100.0	0.0	-0.13	1.16e-03	-5.69e-03	1.07e-04	-0.02
62	25	0.01	6.11e-05	-1.22e-06	-0.35	0.0	0.0	0.17	1.08e-03	-5.21e-03	-1.02e-03	-0.03
		-0.03	-1.02e-03	0.0	0.0	100.0	0.0	-0.17	1.08e-03	-5.21e-03	6.11e-05	-0.03



62	26	0.01	8.42e-05	-1.22e-06	-0.35	0.0	0.0	0.17	1.24e-03	-6.01e-03	-1.16e-03	-0.03
		-0.03	-1.16e-03	0.0	0.0	100.0	0.0	-0.17	1.24e-03	-6.01e-03	8.42e-05	-0.03
62	27	0.01	2.80e-05	0.0	-0.27	0.0	0.0	0.13	8.17e-04	-3.89e-03	-7.89e-04	-0.02
		-0.02	-7.89e-04	0.0	0.0	100.0	0.0	-0.13	8.17e-04	-3.89e-03	2.80e-05	-0.02
62	28	0.01	5.11e-05	0.0	-0.27	0.0	0.0	0.13	9.78e-04	-4.70e-03	-9.27e-04	-0.02
		-0.02	-9.27e-04	0.0	0.0	100.0	0.0	-0.13	9.78e-04	-4.70e-03	5.11e-05	-0.02
62	29	0.01	9.40e-05	-1.22e-06	-0.35	0.0	0.0	0.17	1.10e-03	-5.40e-03	-1.01e-03	-0.03
		-0.03	-1.01e-03	0.0	0.0	100.0	0.0	-0.17	1.10e-03	-5.40e-03	9.40e-05	-0.03
62	30	0.01	1.17e-04	-1.22e-06	-0.35	0.0	0.0	0.17	1.26e-03	-6.20e-03	-1.15e-03	-0.03
		-0.03	-1.15e-03	0.0	0.0	100.0	0.0	-0.17	1.26e-03	-6.20e-03	1.17e-04	-0.03
62	31	0.01	6.09e-05	0.0	-0.27	0.0	0.0	0.13	8.39e-04	-4.09e-03	-7.78e-04	-0.02
		-0.02	-7.78e-04	0.0	0.0	100.0	0.0	-0.13	8.39e-04	-4.09e-03	6.09e-05	-0.02
62	32	0.01	8.40e-05	0.0	-0.27	0.0	0.0	0.13	1.00e-03	-4.89e-03	-9.17e-04	-0.02
		-0.02	-9.17e-04	0.0	0.0	100.0	0.0	-0.13	1.00e-03	-4.89e-03	8.40e-05	-0.02
62	33	0.01	9.40e-05	-1.22e-06	-0.35	0.0	0.0	0.17	1.10e-03	-5.40e-03	-1.01e-03	-0.03
		-0.03	-1.01e-03	0.0	0.0	100.0	0.0	-0.17	1.10e-03	-5.40e-03	9.40e-05	-0.03
62	34	0.01	1.17e-04	-1.22e-06	-0.35	0.0	0.0	0.17	1.26e-03	-6.20e-03	-1.15e-03	-0.03
		-0.03	-1.15e-03	0.0	0.0	100.0	0.0	-0.17	1.26e-03	-6.20e-03	1.17e-04	-0.03
62	35	0.01	6.09e-05	0.0	-0.27	0.0	0.0	0.13	8.39e-04	-4.09e-03	-7.78e-04	-0.02
		-0.02	-7.78e-04	0.0	0.0	100.0	0.0	-0.13	8.39e-04	-4.09e-03	6.09e-05	-0.02
62	36	0.01	8.40e-05	0.0	-0.27	0.0	0.0	0.13	1.00e-03	-4.89e-03	-9.17e-04	-0.02
		-0.02	-9.17e-04	0.0	0.0	100.0	0.0	-0.13	1.00e-03	-4.89e-03	8.40e-05	-0.02
62	37	0.01	9.40e-05	-1.22e-06	-0.35	0.0	0.0	0.17	1.10e-03	-5.40e-03	-1.01e-03	-0.03
		-0.03	-1.01e-03	0.0	0.0	100.0	0.0	-0.17	1.10e-03	-5.40e-03	9.40e-05	-0.03
62	38	0.01	1.17e-04	-1.22e-06	-0.35	0.0	0.0	0.17	1.26e-03	-6.20e-03	-1.15e-03	-0.03
		-0.03	-1.15e-03	0.0	0.0	100.0	0.0	-0.17	1.26e-03	-6.20e-03	1.17e-04	-0.03
62	39	0.01	6.09e-05	0.0	-0.27	0.0	0.0	0.13	8.39e-04	-4.09e-03	-7.78e-04	-0.02
		-0.02	-7.78e-04	0.0	0.0	100.0	0.0	-0.13	8.39e-04	-4.09e-03	6.09e-05	-0.02
62	40	0.01	8.40e-05	0.0	-0.27	0.0	0.0	0.13	1.00e-03	-4.89e-03	-9.17e-04	-0.02
		-0.02	-9.17e-04	0.0	0.0	100.0	0.0	-0.13	1.00e-03	-4.89e-03	8.40e-05	-0.02
62	41	0.01	9.40e-05	-1.22e-06	-0.35	0.0	0.0	0.17	1.10e-03	-5.40e-03	-1.01e-03	-0.03
		-0.03	-1.01e-03	0.0	0.0	100.0	0.0	-0.17	1.10e-03	-5.40e-03	9.40e-05	-0.03
62	42	0.01	1.17e-04	-1.22e-06	-0.35	0.0	0.0	0.17	1.26e-03	-6.20e-03	-1.15e-03	-0.03
		-0.03	-1.15e-03	0.0	0.0	100.0	0.0	-0.17	1.26e-03	-6.20e-03	1.17e-04	-0.03
62	43	0.01	6.09e-05	0.0	-0.27	0.0	0.0	0.13	8.39e-04	-4.09e-03	-7.78e-04	-0.02
		-0.02	-7.78e-04	0.0	0.0	100.0	0.0	-0.13	8.39e-04	-4.09e-03	6.09e-05	-0.02
62	44	0.01	8.40e-05	0.0	-0.27	0.0	0.0	0.13	1.00e-03	-4.89e-03	-9.17e-04	-0.02
		-0.02	-9.17e-04	0.0	0.0	100.0	0.0	-0.13	1.00e-03	-4.89e-03	8.40e-05	-0.02
62	45	0.01	1.10e-04	0.0	-0.27	0.0	0.0	0.13	8.73e-04	-4.37e-03	-7.63e-04	-0.02
		-0.02	-7.63e-04	0.0	0.0	100.0	0.0	-0.13	8.73e-04	-4.37e-03	1.10e-04	-0.02
63	1	0.01	5.25e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	5.03e-05	-0.02
		-0.02	5.03e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	5.25e-05	-0.02
63	2	0.01	5.47e-05	0.0	-0.27	0.0	0.0	0.13	2.84e-06	-6.92e-03	5.19e-05	-0.02
		-0.02	5.19e-05	0.0	0.0	100.0	0.0	-0.13	2.84e-06	-6.92e-03	5.47e-05	-0.02
63	3	0.01	7.22e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	6.99e-05	-0.02
		-0.02	6.99e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	7.22e-05	-0.02
63	4	0.01	7.33e-05	0.0	-0.27	0.0	0.0	0.13	2.56e-06	-6.25e-03	7.07e-05	-0.02
		-0.02	7.07e-05	0.0	0.0	100.0	0.0	-0.13	2.56e-06	-6.25e-03	7.33e-05	-0.02
63	5	0.01	5.25e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	5.03e-05	-0.02
		-0.02	5.03e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	5.25e-05	-0.02
63	6	0.01	5.36e-05	0.0	-0.27	0.0	0.0	0.13	2.56e-06	-6.25e-03	5.11e-05	-0.02
		-0.02	5.11e-05	0.0	0.0	100.0	0.0	-0.13	2.56e-06	-6.25e-03	5.36e-05	-0.02
63	7	0.01	5.25e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	5.03e-05	-0.02
		-0.02	5.03e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	5.25e-05	-0.02
63	8	0.01	5.36e-05	0.0	-0.27	0.0	0.0	0.13	2.56e-06	-6.25e-03	5.11e-05	-0.02
		-0.02	5.11e-05	0.0	0.0	100.0	0.0	-0.13	2.56e-06	-6.25e-03	5.36e-05	-0.02
63	9	0.01	5.25e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	5.03e-05	-0.02
		-0.02	5.03e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	5.25e-05	-0.02
63	10	0.01	5.36e-05	0.0	-0.27	0.0	0.0	0.13	2.56e-06	-6.25e-03	5.11e-05	-0.02
		-0.02	5.11e-05	0.0	0.0	100.0	0.0	-0.13	2.56e-06	-6.25e-03	5.36e-05	-0.02
63	11	0.01	5.25e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	5.03e-05	-0.02
		-0.02	5.03e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	5.25e-05	-0.02
63	12	0.01	5.36e-05	0.0	-0.27	0.0	0.0	0.13	2.56e-06	-6.25e-03	5.11e-05	-0.02
		-0.02	5.11e-05	0.0	0.0	100.0	0.0	-0.13	2.56e-06	-6.25e-03	5.36e-05	-0.02
63	13	0.01	2.30e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	2.07e-05	-0.02
		-0.02	2.07e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	2.30e-05	-0.02
63	14	0.01	2.35e-05	0.0	-0.27	0.0	0.0	0.13	2.40e-06	-5.84e-03	2.11e-05	-0.02
		-0.02	2.11e-05	0.0	0.0	100.0	0.0	-0.13	2.40e-06	-5.84e-03	2.35e-05	-0.02
63	15	0.01	3.29e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	3.06e-05	-0.02
		-0.02	3.06e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	3.29e-05	-0.02
63	16	0.01	2.30e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	2.07e-05	-0.02
		-0.02	2.07e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	2.30e-05	-0.02
63	17	0.01	2.30e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	2.07e-05	-0.02
		-0.02	2.07e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	2.30e-05	-0.02
63	18	0.01	2.30e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	2.07e-05	-0.02
		-0.02	2.07e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	2.30e-05	-0.02
63	19	0.01	2.30e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	2.07e-05	-0.02



63	20	-0.02	2.07e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	2.30e-05	-0.02
		0.01	2.30e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	2.07e-05	-0.02
		-0.02	2.07e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	2.30e-05	-0.02
63	21	0.01	7.42e-05	-1.22e-06	-0.35	0.0	0.0	0.17	2.97e-06	-7.25e-03	7.12e-05	-0.03
		-0.03	7.12e-05	0.0	0.0	100.0	0.0	-0.17	2.97e-06	-7.25e-03	7.42e-05	-0.03
63	22	0.01	7.74e-05	-1.22e-06	-0.35	0.0	0.0	0.17	3.80e-06	-9.26e-03	7.36e-05	-0.03
		-0.03	7.36e-05	0.0	0.0	100.0	0.0	-0.17	3.80e-06	-9.26e-03	7.74e-05	-0.03
63	23	0.01	6.73e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	6.50e-05	-0.02
		-0.02	6.50e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	6.73e-05	-0.02
63	24	0.01	7.05e-05	0.0	-0.27	0.0	0.0	0.13	3.11e-06	-7.59e-03	6.74e-05	-0.02
		-0.02	6.74e-05	0.0	0.0	100.0	0.0	-0.13	3.11e-06	-7.59e-03	7.05e-05	-0.02
63	25	0.01	1.04e-04	-1.22e-06	-0.35	0.0	0.0	0.17	2.97e-06	-7.25e-03	1.01e-04	-0.03
		-0.03	1.01e-04	0.0	0.0	100.0	0.0	-0.17	2.97e-06	-7.25e-03	1.04e-04	-0.03
63	26	0.01	1.05e-04	-1.22e-06	-0.35	0.0	0.0	0.17	3.39e-06	-8.26e-03	1.02e-04	-0.03
		-0.03	1.02e-04	0.0	0.0	100.0	0.0	-0.17	3.39e-06	-8.26e-03	1.05e-04	-0.03
63	27	0.01	9.68e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	9.45e-05	-0.02
		-0.02	9.45e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	9.68e-05	-0.02
63	28	0.01	9.84e-05	0.0	-0.27	0.0	0.0	0.13	2.70e-06	-6.58e-03	9.57e-05	-0.02
		-0.02	9.57e-05	0.0	0.0	100.0	0.0	-0.13	2.70e-06	-6.58e-03	9.84e-05	-0.02
63	29	0.01	7.42e-05	-1.22e-06	-0.35	0.0	0.0	0.17	2.97e-06	-7.25e-03	7.12e-05	-0.03
		-0.03	7.12e-05	0.0	0.0	100.0	0.0	-0.17	2.97e-06	-7.25e-03	7.42e-05	-0.03
63	30	0.01	7.58e-05	-1.22e-06	-0.35	0.0	0.0	0.17	3.39e-06	-8.26e-03	7.24e-05	-0.03
		-0.03	7.24e-05	0.0	0.0	100.0	0.0	-0.17	3.39e-06	-8.26e-03	7.58e-05	-0.03
63	31	0.01	6.73e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	6.50e-05	-0.02
		-0.02	6.50e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	6.73e-05	-0.02
63	32	0.01	6.89e-05	0.0	-0.27	0.0	0.0	0.13	2.70e-06	-6.58e-03	6.62e-05	-0.02
		-0.02	6.62e-05	0.0	0.0	100.0	0.0	-0.13	2.70e-06	-6.58e-03	6.89e-05	-0.02
63	33	0.01	7.42e-05	-1.22e-06	-0.35	0.0	0.0	0.17	2.97e-06	-7.25e-03	7.12e-05	-0.03
		-0.03	7.12e-05	0.0	0.0	100.0	0.0	-0.17	2.97e-06	-7.25e-03	7.42e-05	-0.03
63	34	0.01	7.58e-05	-1.22e-06	-0.35	0.0	0.0	0.17	3.39e-06	-8.26e-03	7.24e-05	-0.03
		-0.03	7.24e-05	0.0	0.0	100.0	0.0	-0.17	3.39e-06	-8.26e-03	7.58e-05	-0.03
63	35	0.01	6.73e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	6.50e-05	-0.02
		-0.02	6.50e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	6.73e-05	-0.02
63	36	0.01	6.89e-05	0.0	-0.27	0.0	0.0	0.13	2.70e-06	-6.58e-03	6.62e-05	-0.02
		-0.02	6.62e-05	0.0	0.0	100.0	0.0	-0.13	2.70e-06	-6.58e-03	6.89e-05	-0.02
63	37	0.01	7.42e-05	-1.22e-06	-0.35	0.0	0.0	0.17	2.97e-06	-7.25e-03	7.12e-05	-0.03
		-0.03	7.12e-05	0.0	0.0	100.0	0.0	-0.17	2.97e-06	-7.25e-03	7.42e-05	-0.03
63	38	0.01	7.58e-05	-1.22e-06	-0.35	0.0	0.0	0.17	3.39e-06	-8.26e-03	7.24e-05	-0.03
		-0.03	7.24e-05	0.0	0.0	100.0	0.0	-0.17	3.39e-06	-8.26e-03	7.58e-05	-0.03
63	39	0.01	6.73e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	6.50e-05	-0.02
		-0.02	6.50e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	6.73e-05	-0.02
63	40	0.01	6.89e-05	0.0	-0.27	0.0	0.0	0.13	2.70e-06	-6.58e-03	6.62e-05	-0.02
		-0.02	6.62e-05	0.0	0.0	100.0	0.0	-0.13	2.70e-06	-6.58e-03	6.89e-05	-0.02
63	41	0.01	7.42e-05	-1.22e-06	-0.35	0.0	0.0	0.17	2.97e-06	-7.25e-03	7.12e-05	-0.03
		-0.03	7.12e-05	0.0	0.0	100.0	0.0	-0.17	2.97e-06	-7.25e-03	7.42e-05	-0.03
63	42	0.01	7.58e-05	-1.22e-06	-0.35	0.0	0.0	0.17	3.39e-06	-8.26e-03	7.24e-05	-0.03
		-0.03	7.24e-05	0.0	0.0	100.0	0.0	-0.17	3.39e-06	-8.26e-03	7.58e-05	-0.03
63	43	0.01	6.73e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	6.50e-05	-0.02
		-0.02	6.50e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	6.73e-05	-0.02
63	44	0.01	6.89e-05	0.0	-0.27	0.0	0.0	0.13	2.70e-06	-6.58e-03	6.62e-05	-0.02
		-0.02	6.62e-05	0.0	0.0	100.0	0.0	-0.13	2.70e-06	-6.58e-03	6.89e-05	-0.02
63	45	0.01	2.30e-05	0.0	-0.27	0.0	0.0	0.13	2.29e-06	-5.58e-03	2.07e-05	-0.02
		-0.02	2.07e-05	0.0	0.0	100.0	0.0	-0.13	2.29e-06	-5.58e-03	2.30e-05	-0.02
64	1	0.01	7.45e-05	0.0	-0.27	0.0	0.0	0.13	-8.42e-04	-0.02	7.45e-05	-0.02
		-0.02	-7.68e-04	0.0	0.0	100.0	0.0	-0.13	-8.42e-04	-0.02	-7.68e-04	-0.02
64	2	0.01	1.05e-04	0.0	-0.27	0.0	0.0	0.13	-1.06e-03	-0.02	1.05e-04	-0.02
		-0.02	-9.51e-04	0.0	0.0	100.0	0.0	-0.13	-1.06e-03	-0.02	-9.51e-04	-0.02
64	3	0.01	5.26e-05	0.0	-0.27	0.0	0.0	0.13	-8.27e-04	-0.02	5.26e-05	-0.02
		-0.02	-7.75e-04	0.0	0.0	100.0	0.0	-0.13	-8.27e-04	-0.02	-7.75e-04	-0.02
64	4	0.01	6.76e-05	0.0	-0.27	0.0	0.0	0.13	-9.34e-04	-0.02	6.76e-05	-0.02
		-0.02	-8.66e-04	0.0	0.0	100.0	0.0	-0.13	-9.34e-04	-0.02	-8.66e-04	-0.02
64	5	0.01	7.45e-05	0.0	-0.27	0.0	0.0	0.13	-8.42e-04	-0.02	7.45e-05	-0.02
		-0.02	-7.68e-04	0.0	0.0	100.0	0.0	-0.13	-8.42e-04	-0.02	-7.68e-04	-0.02
64	6	0.01	8.95e-05	0.0	-0.27	0.0	0.0	0.13	-9.49e-04	-0.02	8.95e-05	-0.02
		-0.02	-8.59e-04	0.0	0.0	100.0	0.0	-0.13	-9.49e-04	-0.02	-8.59e-04	-0.02
64	7	0.01	7.45e-05	0.0	-0.27	0.0	0.0	0.13	-8.42e-04	-0.02	7.45e-05	-0.02
		-0.02	-7.68e-04	0.0	0.0	100.0	0.0	-0.13	-8.42e-04	-0.02	-7.68e-04	-0.02
64	8	0.01	8.95e-05	0.0	-0.27	0.0	0.0	0.13	-9.49e-04	-0.02	8.95e-05	-0.02
		-0.02	-8.59e-04	0.0	0.0	100.0	0.0	-0.13	-9.49e-04	-0.02	-8.59e-04	-0.02
64	9	0.01	7.45e-05	0.0	-0.27	0.0	0.0	0.13	-8.42e-04	-0.02	7.45e-05	-0.02
		-0.02	-7.68e-04	0.0	0.0	100.0	0.0	-0.13	-8.42e-04	-0.02	-7.68e-04	-0.02
64	10	0.01	8.95e-05	0.0	-0.27	0.0	0.0	0.13	-9.49e-04	-0.02	8.95e-05	-0.02
		-0.02	-8.59e-04	0.0	0.0	100.0	0.0	-0.13	-9.49e-04	-0.02	-8.59e-04	-0.02
64	11	0.01	7.45e-05	0.0	-0.27	0.0	0.0	0.13	-8.42e-04	-0.02	7.45e-05	-0.02
		-0.02	-7.68e-04	0.0	0.0	100.0	0.0	-0.13	-8.42e-04	-0.02	-7.68e-04	-0.02
64	12	0.01	8.95e-05	0.0	-0.27	0.0	0.0	0.13	-9.49e-04	-0.02	8.95e-05	-0.02
		-0.02	-8.59e-04	0.0	0.0	100.0	0.0	-0.13	-9.49e-04	-0.02	-8.59e-04	-0.02



64	13	0.01	1.07e-04	0.0	-0.27	0.0	0.0	0.13	-8.65e-04	-0.02	1.07e-04	-0.02
		-0.02	-7.57e-04	0.0	0.0	100.0	0.0	-0.13	-8.65e-04	-0.02	-7.57e-04	-0.02
64	14	0.01	1.13e-04	0.0	-0.27	0.0	0.0	0.13	-9.07e-04	-0.02	1.13e-04	-0.02
		-0.02	-7.94e-04	0.0	0.0	100.0	0.0	-0.13	-9.07e-04	-0.02	-7.94e-04	-0.02
64	15	0.01	9.65e-05	0.0	-0.27	0.0	0.0	0.13	-8.57e-04	-0.02	9.65e-05	-0.02
		-0.02	-7.61e-04	0.0	0.0	100.0	0.0	-0.13	-8.57e-04	-0.02	-7.61e-04	-0.02
64	16	0.01	1.07e-04	0.0	-0.27	0.0	0.0	0.13	-8.65e-04	-0.02	1.07e-04	-0.02
		-0.02	-7.57e-04	0.0	0.0	100.0	0.0	-0.13	-8.65e-04	-0.02	-7.57e-04	-0.02
64	17	0.01	1.07e-04	0.0	-0.27	0.0	0.0	0.13	-8.65e-04	-0.02	1.07e-04	-0.02
		-0.02	-7.57e-04	0.0	0.0	100.0	0.0	-0.13	-8.65e-04	-0.02	-7.57e-04	-0.02
64	18	0.01	1.07e-04	0.0	-0.27	0.0	0.0	0.13	-8.65e-04	-0.02	1.07e-04	-0.02
		-0.02	-7.57e-04	0.0	0.0	100.0	0.0	-0.13	-8.65e-04	-0.02	-7.57e-04	-0.02
64	19	0.01	1.07e-04	0.0	-0.27	0.0	0.0	0.13	-8.65e-04	-0.02	1.07e-04	-0.02
		-0.02	-7.57e-04	0.0	0.0	100.0	0.0	-0.13	-8.65e-04	-0.02	-7.57e-04	-0.02
64	20	0.01	1.07e-04	0.0	-0.27	0.0	0.0	0.13	-8.65e-04	-0.02	1.07e-04	-0.02
		-0.02	-7.57e-04	0.0	0.0	100.0	0.0	-0.13	-8.65e-04	-0.02	-7.57e-04	-0.02
64	21	0.01	9.03e-05	-1.22e-06	-0.35	0.0	0.0	0.17	-1.09e-03	-0.02	9.03e-05	-0.03
		-0.03	-1.00e-03	0.0	0.0	100.0	0.0	-0.17	-1.09e-03	-0.02	-1.00e-03	-0.03
64	22	0.01	1.35e-04	-1.22e-06	-0.35	0.0	0.0	0.17	-1.41e-03	-0.03	1.35e-04	-0.03
		-0.03	-1.27e-03	0.0	0.0	100.0	0.0	-0.17	-1.41e-03	-0.03	-1.27e-03	-0.03
64	23	0.01	5.81e-05	0.0	-0.27	0.0	0.0	0.13	-8.31e-04	-0.02	5.81e-05	-0.02
		-0.02	-7.73e-04	0.0	0.0	100.0	0.0	-0.13	-8.31e-04	-0.02	-7.73e-04	-0.02
64	24	0.01	1.03e-04	0.0	-0.27	0.0	0.0	0.13	-1.15e-03	-0.03	1.03e-04	-0.02
		-0.02	-1.05e-03	0.0	0.0	100.0	0.0	-0.13	-1.15e-03	-0.03	-1.05e-03	-0.02
64	25	0.01	5.74e-05	-1.22e-06	-0.35	0.0	0.0	0.17	-1.07e-03	-0.02	5.74e-05	-0.03
		-0.03	-1.01e-03	0.0	0.0	100.0	0.0	-0.17	-1.07e-03	-0.02	-1.01e-03	-0.03
64	26	0.01	7.99e-05	-1.22e-06	-0.35	0.0	0.0	0.17	-1.23e-03	-0.03	7.99e-05	-0.03
		-0.03	-1.15e-03	0.0	0.0	100.0	0.0	-0.17	-1.23e-03	-0.03	-1.15e-03	-0.03
64	27	0.01	2.52e-05	0.0	-0.27	0.0	0.0	0.13	-8.08e-04	-0.02	2.52e-05	-0.02
		-0.02	-7.83e-04	0.0	0.0	100.0	0.0	-0.13	-8.08e-04	-0.02	-7.83e-04	-0.02
64	28	0.01	4.77e-05	0.0	-0.27	0.0	0.0	0.13	-9.68e-04	-0.02	4.77e-05	-0.02
		-0.02	-9.20e-04	0.0	0.0	100.0	0.0	-0.13	-9.68e-04	-0.02	-9.20e-04	-0.02
64	29	0.01	9.03e-05	-1.22e-06	-0.35	0.0	0.0	0.17	-1.09e-03	-0.02	9.03e-05	-0.03
		-0.03	-1.00e-03	0.0	0.0	100.0	0.0	-0.17	-1.09e-03	-0.02	-1.00e-03	-0.03
64	30	0.01	1.13e-04	-1.22e-06	-0.35	0.0	0.0	0.17	-1.25e-03	-0.03	1.13e-04	-0.03
		-0.03	-1.14e-03	0.0	0.0	100.0	0.0	-0.17	-1.25e-03	-0.03	-1.14e-03	-0.03
64	31	0.01	5.81e-05	0.0	-0.27	0.0	0.0	0.13	-8.31e-04	-0.02	5.81e-05	-0.02
		-0.02	-7.73e-04	0.0	0.0	100.0	0.0	-0.13	-8.31e-04	-0.02	-7.73e-04	-0.02
64	32	0.01	8.06e-05	0.0	-0.27	0.0	0.0	0.13	-9.91e-04	-0.02	8.06e-05	-0.02
		-0.02	-9.10e-04	0.0	0.0	100.0	0.0	-0.13	-9.91e-04	-0.02	-9.10e-04	-0.02
64	33	0.01	9.03e-05	-1.22e-06	-0.35	0.0	0.0	0.17	-1.09e-03	-0.02	9.03e-05	-0.03
		-0.03	-1.00e-03	0.0	0.0	100.0	0.0	-0.17	-1.09e-03	-0.02	-1.00e-03	-0.03
64	34	0.01	1.13e-04	-1.22e-06	-0.35	0.0	0.0	0.17	-1.25e-03	-0.03	1.13e-04	-0.03
		-0.03	-1.14e-03	0.0	0.0	100.0	0.0	-0.17	-1.25e-03	-0.03	-1.14e-03	-0.03
64	35	0.01	5.81e-05	0.0	-0.27	0.0	0.0	0.13	-8.31e-04	-0.02	5.81e-05	-0.02
		-0.02	-7.73e-04	0.0	0.0	100.0	0.0	-0.13	-8.31e-04	-0.02	-7.73e-04	-0.02
64	36	0.01	8.06e-05	0.0	-0.27	0.0	0.0	0.13	-9.91e-04	-0.02	8.06e-05	-0.02
		-0.02	-9.10e-04	0.0	0.0	100.0	0.0	-0.13	-9.91e-04	-0.02	-9.10e-04	-0.02
64	37	0.01	9.03e-05	-1.22e-06	-0.35	0.0	0.0	0.17	-1.09e-03	-0.02	9.03e-05	-0.03
		-0.03	-1.00e-03	0.0	0.0	100.0	0.0	-0.17	-1.09e-03	-0.02	-1.00e-03	-0.03
64	38	0.01	1.13e-04	-1.22e-06	-0.35	0.0	0.0	0.17	-1.25e-03	-0.03	1.13e-04	-0.03
		-0.03	-1.14e-03	0.0	0.0	100.0	0.0	-0.17	-1.25e-03	-0.03	-1.14e-03	-0.03
64	39	0.01	5.81e-05	0.0	-0.27	0.0	0.0	0.13	-8.31e-04	-0.02	5.81e-05	-0.02
		-0.02	-7.73e-04	0.0	0.0	100.0	0.0	-0.13	-8.31e-04	-0.02	-7.73e-04	-0.02
64	40	0.01	8.06e-05	0.0	-0.27	0.0	0.0	0.13	-9.91e-04	-0.02	8.06e-05	-0.02
		-0.02	-9.10e-04	0.0	0.0	100.0	0.0	-0.13	-9.91e-04	-0.02	-9.10e-04	-0.02
64	41	0.01	9.03e-05	-1.22e-06	-0.35	0.0	0.0	0.17	-1.09e-03	-0.02	9.03e-05	-0.03
		-0.03	-1.00e-03	0.0	0.0	100.0	0.0	-0.17	-1.09e-03	-0.02	-1.00e-03	-0.03
64	42	0.01	1.13e-04	-1.22e-06	-0.35	0.0	0.0	0.17	-1.25e-03	-0.03	1.13e-04	-0.03
		-0.03	-1.14e-03	0.0	0.0	100.0	0.0	-0.17	-1.25e-03	-0.03	-1.14e-03	-0.03
64	43	0.01	5.81e-05	0.0	-0.27	0.0	0.0	0.13	-8.31e-04	-0.02	5.81e-05	-0.02
		-0.02	-7.73e-04	0.0	0.0	100.0	0.0	-0.13	-8.31e-04	-0.02	-7.73e-04	-0.02
64	44	0.01	8.06e-05	0.0	-0.27	0.0	0.0	0.13	-9.91e-04	-0.02	8.06e-05	-0.02
		-0.02	-9.10e-04	0.0	0.0	100.0	0.0	-0.13	-9.91e-04	-0.02	-9.10e-04	-0.02
64	45	0.01	1.07e-04	0.0	-0.27	0.0	0.0	0.13	-8.65e-04	-0.02	1.07e-04	-0.02
		-0.02	-7.57e-04	0.0	0.0	100.0	0.0	-0.13	-8.65e-04	-0.02	-7.57e-04	-0.02
65	1	0.01	1.66e-03	0.0	-0.27	0.0	0.0	0.13	-6.78e-03	-0.08	1.66e-03	-0.02
		-0.02	-5.12e-03	0.0	0.0	100.0	0.0	-0.13	-6.78e-03	-0.08	-5.12e-03	-0.02
65	2	0.01	2.02e-03	0.0	-0.27	0.0	0.0	0.13	-8.18e-03	-0.09	2.02e-03	-0.02
		-0.02	-6.16e-03	0.0	0.0	100.0	0.0	-0.13	-8.18e-03	-0.09	-6.16e-03	-0.02
65	3	0.01	1.74e-03	0.0	-0.27	0.0	0.0	0.13	-7.23e-03	-0.08	1.74e-03	-0.02
		-0.02	-5.49e-03	0.0	0.0	100.0	0.0	-0.13	-7.23e-03	-0.08	-5.49e-03	-0.02
65	4	0.01	1.92e-03	0.0	-0.27	0.0	0.0	0.13	-7.93e-03	-0.09	1.92e-03	-0.02
		-0.02	-6.01e-03	0.0	0.0	100.0	0.0	-0.13	-7.93e-03	-0.09	-6.01e-03	-0.02
65	5	0.01	1.66e-03	0.0	-0.27	0.0	0.0	0.13	-6.78e-03	-0.08	1.66e-03	-0.02
		-0.02	-5.12e-03	0.0	0.0	100.0	0.0	-0.13	-6.78e-03	-0.08	-5.12e-03	-0.02
65	6	0.01	1.84e-03	0.0	-0.27	0.0	0.0	0.13	-7.48e-03	-0.08	1.84e-03	-0.02



65	7	-0.02	-5.64e-03	0.0	0.0	100.0	0.0	-0.13	-7.48e-03	-0.08	-5.64e-03	-0.02
		0.01	1.66e-03	0.0	-0.27	0.0	0.0	0.13	-6.78e-03	-0.08	1.66e-03	-0.02
		-0.02	-5.12e-03	0.0	0.0	100.0	0.0	-0.13	-6.78e-03	-0.08	-5.12e-03	-0.02
65	8	0.01	1.84e-03	0.0	-0.27	0.0	0.0	0.13	-7.48e-03	-0.08	1.84e-03	-0.02
		-0.02	-5.64e-03	0.0	0.0	100.0	0.0	-0.13	-7.48e-03	-0.08	-5.64e-03	-0.02
65	9	0.01	1.66e-03	0.0	-0.27	0.0	0.0	0.13	-6.78e-03	-0.08	1.66e-03	-0.02
		-0.02	-5.12e-03	0.0	0.0	100.0	0.0	-0.13	-6.78e-03	-0.08	-5.12e-03	-0.02
65	10	0.01	1.84e-03	0.0	-0.27	0.0	0.0	0.13	-7.48e-03	-0.08	1.84e-03	-0.02
		-0.02	-5.64e-03	0.0	0.0	100.0	0.0	-0.13	-7.48e-03	-0.08	-5.64e-03	-0.02
65	11	0.01	1.66e-03	0.0	-0.27	0.0	0.0	0.13	-6.78e-03	-0.08	1.66e-03	-0.02
		-0.02	-5.12e-03	0.0	0.0	100.0	0.0	-0.13	-6.78e-03	-0.08	-5.12e-03	-0.02
65	12	0.01	1.84e-03	0.0	-0.27	0.0	0.0	0.13	-7.48e-03	-0.08	1.84e-03	-0.02
		-0.02	-5.64e-03	0.0	0.0	100.0	0.0	-0.13	-7.48e-03	-0.08	-5.64e-03	-0.02
65	13	0.01	1.54e-03	0.0	-0.27	0.0	0.0	0.13	-6.10e-03	-0.07	1.54e-03	-0.02
		-0.02	-4.55e-03	0.0	0.0	100.0	0.0	-0.13	-6.10e-03	-0.07	-4.55e-03	-0.02
65	14	0.01	1.62e-03	0.0	-0.27	0.0	0.0	0.13	-6.38e-03	-0.08	1.62e-03	-0.02
		-0.02	-4.76e-03	0.0	0.0	100.0	0.0	-0.13	-6.38e-03	-0.08	-4.76e-03	-0.02
65	15	0.01	1.58e-03	0.0	-0.27	0.0	0.0	0.13	-6.32e-03	-0.07	1.58e-03	-0.02
		-0.02	-4.74e-03	0.0	0.0	100.0	0.0	-0.13	-6.32e-03	-0.07	-4.74e-03	-0.02
65	16	0.01	1.54e-03	0.0	-0.27	0.0	0.0	0.13	-6.10e-03	-0.07	1.54e-03	-0.02
		-0.02	-4.55e-03	0.0	0.0	100.0	0.0	-0.13	-6.10e-03	-0.07	-4.55e-03	-0.02
65	17	0.01	1.54e-03	0.0	-0.27	0.0	0.0	0.13	-6.10e-03	-0.07	1.54e-03	-0.02
		-0.02	-4.55e-03	0.0	0.0	100.0	0.0	-0.13	-6.10e-03	-0.07	-4.55e-03	-0.02
65	18	0.01	1.54e-03	0.0	-0.27	0.0	0.0	0.13	-6.10e-03	-0.07	1.54e-03	-0.02
		-0.02	-4.55e-03	0.0	0.0	100.0	0.0	-0.13	-6.10e-03	-0.07	-4.55e-03	-0.02
65	19	0.01	1.54e-03	0.0	-0.27	0.0	0.0	0.13	-6.10e-03	-0.07	1.54e-03	-0.02
		-0.02	-4.55e-03	0.0	0.0	100.0	0.0	-0.13	-6.10e-03	-0.07	-4.55e-03	-0.02
65	20	0.01	1.54e-03	0.0	-0.27	0.0	0.0	0.13	-6.10e-03	-0.07	1.54e-03	-0.02
		-0.02	-4.55e-03	0.0	0.0	100.0	0.0	-0.13	-6.10e-03	-0.07	-4.55e-03	-0.02
65	21	0.01	2.18e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-8.95e-03	-0.10	2.18e-03	-0.03
		-0.03	-6.76e-03	0.0	0.0	100.0	0.0	-0.17	-8.95e-03	-0.10	-6.76e-03	-0.03
65	22	0.01	2.73e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-0.01	-0.13	2.73e-03	-0.03
		-0.03	-8.32e-03	0.0	0.0	100.0	0.0	-0.17	-0.01	-0.13	-8.32e-03	-0.03
65	23	0.01	1.72e-03	0.0	-0.27	0.0	0.0	0.13	-7.12e-03	-0.08	1.72e-03	-0.02
		-0.02	-5.40e-03	0.0	0.0	100.0	0.0	-0.13	-7.12e-03	-0.08	-5.40e-03	-0.02
65	24	0.01	2.26e-03	0.0	-0.27	0.0	0.0	0.13	-9.22e-03	-0.10	2.26e-03	-0.02
		-0.02	-6.96e-03	0.0	0.0	100.0	0.0	-0.13	-9.22e-03	-0.10	-6.96e-03	-0.02
65	25	0.01	2.30e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-9.63e-03	-0.10	2.30e-03	-0.03
		-0.03	-7.33e-03	0.0	0.0	100.0	0.0	-0.17	-9.63e-03	-0.10	-7.33e-03	-0.03
65	26	0.01	2.57e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-0.01	-0.11	2.57e-03	-0.03
		-0.03	-8.11e-03	0.0	0.0	100.0	0.0	-0.17	-0.01	-0.11	-8.11e-03	-0.03
65	27	0.01	1.83e-03	0.0	-0.27	0.0	0.0	0.13	-7.80e-03	-0.08	1.83e-03	-0.02
		-0.02	-5.96e-03	0.0	0.0	100.0	0.0	-0.13	-7.80e-03	-0.08	-5.96e-03	-0.02
65	28	0.01	2.11e-03	0.0	-0.27	0.0	0.0	0.13	-8.85e-03	-0.09	2.11e-03	-0.02
		-0.02	-6.74e-03	0.0	0.0	100.0	0.0	-0.13	-8.85e-03	-0.09	-6.74e-03	-0.02
65	29	0.01	2.18e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-8.95e-03	-0.10	2.18e-03	-0.03
		-0.03	-6.76e-03	0.0	0.0	100.0	0.0	-0.17	-8.95e-03	-0.10	-6.76e-03	-0.03
65	30	0.01	2.45e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.00e-02	-0.11	2.45e-03	-0.03
		-0.03	-7.54e-03	0.0	0.0	100.0	0.0	-0.17	-1.00e-02	-0.11	-7.54e-03	-0.03
65	31	0.01	1.72e-03	0.0	-0.27	0.0	0.0	0.13	-7.12e-03	-0.08	1.72e-03	-0.02
		-0.02	-5.40e-03	0.0	0.0	100.0	0.0	-0.13	-7.12e-03	-0.08	-5.40e-03	-0.02
65	32	0.01	1.99e-03	0.0	-0.27	0.0	0.0	0.13	-8.17e-03	-0.09	1.99e-03	-0.02
		-0.02	-6.18e-03	0.0	0.0	100.0	0.0	-0.13	-8.17e-03	-0.09	-6.18e-03	-0.02
65	33	0.01	2.18e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-8.95e-03	-0.10	2.18e-03	-0.03
		-0.03	-6.76e-03	0.0	0.0	100.0	0.0	-0.17	-8.95e-03	-0.10	-6.76e-03	-0.03
65	34	0.01	2.45e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.00e-02	-0.11	2.45e-03	-0.03
		-0.03	-7.54e-03	0.0	0.0	100.0	0.0	-0.17	-1.00e-02	-0.11	-7.54e-03	-0.03
65	35	0.01	1.72e-03	0.0	-0.27	0.0	0.0	0.13	-7.12e-03	-0.08	1.72e-03	-0.02
		-0.02	-5.40e-03	0.0	0.0	100.0	0.0	-0.13	-7.12e-03	-0.08	-5.40e-03	-0.02
65	36	0.01	1.99e-03	0.0	-0.27	0.0	0.0	0.13	-8.17e-03	-0.09	1.99e-03	-0.02
		-0.02	-6.18e-03	0.0	0.0	100.0	0.0	-0.13	-8.17e-03	-0.09	-6.18e-03	-0.02
65	37	0.01	2.18e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-8.95e-03	-0.10	2.18e-03	-0.03
		-0.03	-6.76e-03	0.0	0.0	100.0	0.0	-0.17	-8.95e-03	-0.10	-6.76e-03	-0.03
65	38	0.01	2.45e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.00e-02	-0.11	2.45e-03	-0.03
		-0.03	-7.54e-03	0.0	0.0	100.0	0.0	-0.17	-1.00e-02	-0.11	-7.54e-03	-0.03
65	39	0.01	1.72e-03	0.0	-0.27	0.0	0.0	0.13	-7.12e-03	-0.08	1.72e-03	-0.02
		-0.02	-5.40e-03	0.0	0.0	100.0	0.0	-0.13	-7.12e-03	-0.08	-5.40e-03	-0.02
65	40	0.01	1.99e-03	0.0	-0.27	0.0	0.0	0.13	-8.17e-03	-0.09	1.99e-03	-0.02
		-0.02	-6.18e-03	0.0	0.0	100.0	0.0	-0.13	-8.17e-03	-0.09	-6.18e-03	-0.02
65	41	0.01	2.18e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-8.95e-03	-0.10	2.18e-03	-0.03
		-0.03	-6.76e-03	0.0	0.0	100.0	0.0	-0.17	-8.95e-03	-0.10	-6.76e-03	-0.03
65	42	0.01	2.45e-03	-1.22e-06	-0.35	0.0	0.0	0.17	-1.00e-02	-0.11	2.45e-03	-0.03
		-0.03	-7.54e-03	0.0	0.0	100.0	0.0	-0.17	-1.00e-02	-0.11	-7.54e-03	-0.03
65	43	0.01	1.72e-03	0.0	-0.27	0.0	0.0	0.13	-7.12e-03	-0.08	1.72e-03	-0.02
		-0.02	-5.40e-03	0.0	0.0	100.0	0.0	-0.13	-7.12e-03	-0.08	-5.40e-03	-0.02
65	44	0.01	1.99e-03	0.0	-0.27	0.0	0.0	0.13	-8.17e-03	-0.09	1.99e-03	-0.02
		-0.02	-6.18e-03	0.0	0.0	100.0	0.0	-0.13	-8.17e-03	-0.09	-6.18e-03	-0.02



65	45	0.01	1.54e-03	0.0	-0.27	0.0	0.0	0.13	-6.10e-03	-0.07	1.54e-03	-0.02
		-0.02	-4.55e-03	0.0	0.0	100.0	0.0	-0.13	-6.10e-03	-0.07	-4.55e-03	-0.02
66	1	0.01	6.89e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	6.89e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-0.01	-0.02
66	2	0.01	8.26e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.34	8.26e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.34	-0.01	-0.02
66	3	0.01	7.46e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	7.46e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-0.01	-0.02
66	4	0.01	8.14e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.31	8.14e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.31	-0.01	-0.02
66	5	0.01	6.89e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	6.89e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-0.01	-0.02
66	6	0.01	7.58e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.31	7.58e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.31	-0.01	-0.02
66	7	0.01	6.89e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	6.89e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-0.01	-0.02
66	8	0.01	7.58e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.31	7.58e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.31	-0.01	-0.02
66	9	0.01	6.89e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	6.89e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-0.01	-0.02
66	10	0.01	7.58e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.31	7.58e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.31	-0.01	-0.02
66	11	0.01	6.89e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	6.89e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-0.01	-0.02
66	12	0.01	7.58e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.31	7.58e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.31	-0.01	-0.02
66	13	0.01	6.04e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.27	6.04e-03	-0.02
		-0.02	-9.96e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.27	-9.96e-03	-0.02
66	14	0.01	6.32e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	6.32e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-0.01	-0.02
66	15	0.01	6.33e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.27	6.33e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.27	-0.01	-0.02
66	16	0.01	6.04e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.27	6.04e-03	-0.02
		-0.02	-9.96e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.27	-9.96e-03	-0.02
66	17	0.01	6.04e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.27	6.04e-03	-0.02
		-0.02	-9.96e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.27	-9.96e-03	-0.02
66	18	0.01	6.04e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.27	6.04e-03	-0.02
		-0.02	-9.96e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.27	-9.96e-03	-0.02
66	19	0.01	6.04e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.27	6.04e-03	-0.02
		-0.02	-9.96e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.27	-9.96e-03	-0.02
66	20	0.01	6.04e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.27	6.04e-03	-0.02
		-0.02	-9.96e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.27	-9.96e-03	-0.02
66	21	0.01	9.13e-03	-1.22e-06	-0.35	0.0	0.0	0.18	-0.02	-0.36	9.13e-03	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.17	-0.02	-0.36	-0.02	-0.03
66	22	0.01	0.01	-1.22e-06	-0.35	0.0	0.0	0.18	-0.03	-0.46	0.01	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.17	-0.03	-0.46	-0.02	-0.03
66	23	0.01	7.32e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	7.32e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-0.01	-0.02
66	24	0.01	9.37e-03	0.0	-0.27	0.0	0.0	0.13	-0.03	-0.38	9.37e-03	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.13	-0.03	-0.38	-0.02	-0.02
66	25	0.01	9.98e-03	-1.22e-06	-0.35	0.0	0.0	0.18	-0.03	-0.37	9.98e-03	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.17	-0.03	-0.37	-0.02	-0.03
66	26	0.01	0.01	-1.22e-06	-0.35	0.0	0.0	0.18	-0.03	-0.42	0.01	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.17	-0.03	-0.42	-0.02	-0.03
66	27	0.01	8.16e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.29	8.16e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.29	-0.01	-0.02
66	28	0.01	9.19e-03	0.0	-0.27	0.0	0.0	0.13	-0.03	-0.34	9.19e-03	-0.02
		-0.02	-0.02	0.0	0.0	100.0	0.0	-0.13	-0.03	-0.34	-0.02	-0.02
66	29	0.01	9.13e-03	-1.22e-06	-0.35	0.0	0.0	0.18	-0.02	-0.36	9.13e-03	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.17	-0.02	-0.36	-0.02	-0.03
66	30	0.01	0.01	-1.22e-06	-0.35	0.0	0.0	0.18	-0.03	-0.41	0.01	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.17	-0.03	-0.41	-0.02	-0.03
66	31	0.01	7.32e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	7.32e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-0.01	-0.02
66	32	0.01	8.34e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.33	8.34e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.33	-0.01	-0.02
66	33	0.01	9.13e-03	-1.22e-06	-0.35	0.0	0.0	0.18	-0.02	-0.36	9.13e-03	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.17	-0.02	-0.36	-0.02	-0.03
66	34	0.01	0.01	-1.22e-06	-0.35	0.0	0.0	0.18	-0.03	-0.41	0.01	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.17	-0.03	-0.41	-0.02	-0.03
66	35	0.01	7.32e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	7.32e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-0.01	-0.02
66	36	0.01	8.34e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.33	8.34e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.33	-0.01	-0.02
66	37	0.01	9.13e-03	-1.22e-06	-0.35	0.0	0.0	0.18	-0.02	-0.36	9.13e-03	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.17	-0.02	-0.36	-0.02	-0.03
66	38	0.01	0.01	-1.22e-06	-0.35	0.0	0.0	0.18	-0.03	-0.41	0.01	-0.03



66	39	-0.03	-0.02	0.0	0.0	100.0	0.0	-0.17	-0.03	-0.41	-0.02	-0.03
		0.01	7.32e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	7.32e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-0.01	-0.02
66	40	0.01	8.34e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.33	8.34e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.33	-0.01	-0.02
66	41	0.01	9.13e-03	-1.22e-06	-0.35	0.0	0.0	0.18	-0.02	-0.36	9.13e-03	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.17	-0.02	-0.36	-0.02	-0.03
66	42	0.01	0.01	-1.22e-06	-0.35	0.0	0.0	0.18	-0.03	-0.41	0.01	-0.03
		-0.03	-0.02	0.0	0.0	100.0	0.0	-0.17	-0.03	-0.41	-0.02	-0.03
66	43	0.01	7.32e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.28	7.32e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.28	-0.01	-0.02
66	44	0.01	8.34e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.33	8.34e-03	-0.02
		-0.02	-0.01	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.33	-0.01	-0.02
66	45	0.01	6.04e-03	0.0	-0.27	0.0	0.0	0.13	-0.02	-0.27	6.04e-03	-0.02
		-0.02	-9.96e-03	0.0	0.0	100.0	0.0	-0.13	-0.02	-0.27	-9.96e-03	-0.02
67	1	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.05	-0.10	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.05	-0.10	-0.04	9.87e-04
67	2	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.06	-0.12	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.06	-0.12	-0.04	1.19e-03
67	3	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.06	-0.11	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.06	-0.11	-0.04	1.11e-03
67	4	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.06	-0.12	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.06	-0.12	-0.04	1.21e-03
67	5	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.05	-0.10	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.05	-0.10	-0.04	9.87e-04
67	6	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.06	-0.11	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.06	-0.11	-0.04	1.09e-03
67	7	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.05	-0.10	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.05	-0.10	-0.04	9.87e-04
67	8	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.06	-0.11	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.06	-0.11	-0.04	1.09e-03
67	9	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.05	-0.10	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.05	-0.10	-0.04	9.87e-04
67	10	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.06	-0.11	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.06	-0.11	-0.04	1.09e-03
67	11	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.05	-0.10	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.05	-0.10	-0.04	9.87e-04
67	12	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.06	-0.11	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.06	-0.11	-0.04	1.09e-03
67	13	0.02	0.01	-1.15e-06	-0.27	0.0	0.0	0.16	-0.05	-0.09	0.01	-0.02
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.11	-0.05	-0.09	-0.03	8.07e-04
67	14	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.05	-0.09	0.02	-0.02
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.11	-0.05	-0.09	-0.03	8.48e-04
67	15	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.05	-0.09	0.02	-0.02
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.11	-0.05	-0.09	-0.03	8.67e-04
67	16	0.02	0.01	-1.15e-06	-0.27	0.0	0.0	0.16	-0.05	-0.09	0.01	-0.02
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.11	-0.05	-0.09	-0.03	8.07e-04
67	17	0.02	0.01	-1.15e-06	-0.27	0.0	0.0	0.16	-0.05	-0.09	0.01	-0.02
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.11	-0.05	-0.09	-0.03	8.07e-04
67	18	0.02	0.01	-1.15e-06	-0.27	0.0	0.0	0.16	-0.05	-0.09	0.01	-0.02
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.11	-0.05	-0.09	-0.03	8.07e-04
67	19	0.02	0.01	-1.15e-06	-0.27	0.0	0.0	0.16	-0.05	-0.09	0.01	-0.02
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.11	-0.05	-0.09	-0.03	8.07e-04
67	20	0.02	0.01	-1.15e-06	-0.27	0.0	0.0	0.16	-0.05	-0.09	0.01	-0.02
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.11	-0.05	-0.09	-0.03	8.07e-04
67	21	0.03	0.02	-1.50e-06	-0.35	0.0	0.0	0.21	-0.07	-0.13	0.02	-0.03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.14	-0.07	-0.13	-0.05	1.32e-03
67	22	0.03	0.03	-1.51e-06	-0.35	0.0	0.0	0.21	-0.09	-0.16	0.03	-0.03
		-0.03	-0.06	0.0	0.0	100.0	0.0	-0.14	-0.09	-0.16	-0.06	1.62e-03
67	23	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.06	-0.10	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.06	-0.10	-0.04	1.08e-03
67	24	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.07	-0.13	0.02	-0.02
		-0.02	-0.05	0.0	0.0	100.0	0.0	-0.11	-0.07	-0.13	-0.05	1.38e-03
67	25	0.03	0.03	-1.50e-06	-0.35	0.0	0.0	0.21	-0.08	-0.14	0.03	-0.03
		-0.03	-0.06	0.0	0.0	100.0	0.0	-0.14	-0.08	-0.14	-0.06	1.50e-03
67	26	0.03	0.03	-1.51e-06	-0.35	0.0	0.0	0.21	-0.09	-0.16	0.03	-0.03
		-0.03	-0.06	0.0	0.0	100.0	0.0	-0.14	-0.09	-0.16	-0.06	1.65e-03
67	27	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.07	-0.12	0.02	-0.02
		-0.02	-0.05	0.0	0.0	100.0	0.0	-0.11	-0.07	-0.12	-0.05	1.26e-03
67	28	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.07	-0.13	0.02	-0.02
		-0.02	-0.05	0.0	0.0	100.0	0.0	-0.11	-0.07	-0.13	-0.05	1.41e-03
67	29	0.03	0.02	-1.50e-06	-0.35	0.0	0.0	0.21	-0.07	-0.13	0.02	-0.03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.14	-0.07	-0.13	-0.05	1.32e-03
67	30	0.03	0.03	-1.50e-06	-0.35	0.0	0.0	0.21	-0.08	-0.14	0.03	-0.03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.14	-0.08	-0.14	-0.05	1.47e-03
67	31	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.06	-0.10	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.06	-0.10	-0.04	1.08e-03



67	32	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.07	-0.12	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.07	-0.12	-0.04	1.23e-03
67	33	0.03	0.02	-1.50e-06	-0.35	0.0	0.0	0.21	-0.07	-0.13	0.02	-0.03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.14	-0.07	-0.13	-0.05	1.32e-03
67	34	0.03	0.03	-1.50e-06	-0.35	0.0	0.0	0.21	-0.08	-0.14	0.03	-0.03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.14	-0.08	-0.14	-0.05	1.47e-03
67	35	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.06	-0.10	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.06	-0.10	-0.04	1.08e-03
67	36	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.07	-0.12	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.07	-0.12	-0.04	1.23e-03
67	37	0.03	0.02	-1.50e-06	-0.35	0.0	0.0	0.21	-0.07	-0.13	0.02	-0.03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.14	-0.07	-0.13	-0.05	1.32e-03
67	38	0.03	0.03	-1.50e-06	-0.35	0.0	0.0	0.21	-0.08	-0.14	0.03	-0.03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.14	-0.08	-0.14	-0.05	1.47e-03
67	39	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.06	-0.10	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.06	-0.10	-0.04	1.08e-03
67	40	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.07	-0.12	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.07	-0.12	-0.04	1.23e-03
67	41	0.03	0.02	-1.50e-06	-0.35	0.0	0.0	0.21	-0.07	-0.13	0.02	-0.03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.14	-0.07	-0.13	-0.05	1.32e-03
67	42	0.03	0.03	-1.50e-06	-0.35	0.0	0.0	0.21	-0.08	-0.14	0.03	-0.03
		-0.03	-0.05	0.0	0.0	100.0	0.0	-0.14	-0.08	-0.14	-0.05	1.47e-03
67	43	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.06	-0.10	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.06	-0.10	-0.04	1.08e-03
67	44	0.02	0.02	-1.16e-06	-0.27	0.0	0.0	0.16	-0.07	-0.12	0.02	-0.02
		-0.02	-0.04	0.0	0.0	100.0	0.0	-0.11	-0.07	-0.12	-0.04	1.23e-03
67	45	0.02	0.01	-1.15e-06	-0.27	0.0	0.0	0.16	-0.05	-0.09	0.01	-0.02
		-0.02	-0.03	0.0	0.0	100.0	0.0	-0.11	-0.05	-0.09	-0.03	8.07e-04
Trave		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T		
		-4.25	-0.12	-2.51e-03	-13.56		-34.39	-8.02	-0.09	-0.46		
		3.14	0.12	1.17e-03	0.0		1.88	8.02	0.09	0.27		

VERIFICHE S.L. ELEMENTI IN LEGNO

LEGENDA TABELLA VERIFICHE S.L. ELEMENTI IN LEGNO

L'esito delle verifiche è espresso con un codice come di seguito indicato:

ok: verifica con esito positivo
NV: verifica con esito negativo

Le verifiche sono condotte in ottemperanza alle NTC 14 Gennaio 2008 seguendo anche le indicazioni analitiche riportate nella norma tecnica UNI EN 1995-1-1:2005 "Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali - Regole comuni e regole per gli edifici"; in particolare le verifiche effettuate sono riconducibili ai punti:

- 4.4.8 Stati limite ultimi
- 4.4.8.1.7 Tensoflessione
- 4.4.8.1.8 Pressoflessione
- 4.4.8.1.11 Taglio e torsione
- 4.4.8.2.1 Elementi inflessi
- 4.4.8.2.2 Elementi compressi

Le verifiche effettuate sono dettagliatamente riportate come da tabella seguente:

Elem.	Numero dell'elemento
Tipo	Codice di individuazione del tipo di elemento: <div style="display: flex; justify-content: space-around; width: 100%;"> trave (T) pilastro (P) asta (A) </div>
Stato	Codice della verifica: ok verificato, NV non verificato
Note	Numero della sezione (s) e del materiale (m) dell'archivio
Ver N+M	Verifica come da formule 4.4.6a e 4.4.6b per tensoflessione I valori di Km utilizzati nelle formule sono definiti dal paragrafo 4.4.8.1.6 (0,7 per sezioni trasversali rettangolari; 1 per altre sezioni trasversali)
Ver N-M	Verifica come da formule 4.4.7a e 4.4.7b per pressoflessione I valori di Km utilizzati nelle formule sono definiti dal paragrafo 4.4.8.1.6 (0,7 per sezioni trasversali rettangolari; 1 per altre sezioni trasversali)
Ver V/T	Verifica come da formula 4.4.10 (taglio torsione) con interazione ottenuta per quadratura del termine di taglio
Ver N(s)	Verifica instabilità come da formula 4.4.13
Kcy(z)	Fattore di instabilità utilizzato nella formula 4.4.13. Per elementi con snellezza relativa $\leq 0,3$ Kcy(z) è posto = 1, altrimenti Kcy(z) viene definito dalla 4.4.15
Ver M(s)	Verifica come da formula 4.4.11 (effettuata in entrambi i piani principali) per instabilità laterale
Kcrit (y) / (z)	Fattore di instabilità laterale utilizzato nella formula 4.4.11 rispettivamente per la flessione y e z. Kcrit (y) / (z) viene definito dalla 4.4.12
w_{net R}	Massima deformazione in combinazione rara (F frequente, P quasi permanente)
w_{net Ri}	Massima deformazione in combinazione rara (F frequente, P quasi permanente) valutata a tempo infinito
kdef	Fattore di deformazione dell'elemento
Rif. cmb	Numero della combinazione in cui si è attinto il valore riportato per le verifiche

Si sottolinea che le cinque verifiche sono espresse dal rapporto tra domanda e capacità, affinché la verifica sia positiva il rapporto deve essere inferiore o uguale a 1. La capacità è affetta dal termine **kmod**, espressione della classe di servizio e della durata dei carichi (si considera a livello di combinazione il caso di carico di minor durata).

Le deformazioni dell'elemento espresse in rapporto ad un millesimo di lunghezza sono rappresentate dal valore istantaneo e dal valore a tempo infinito. Il valore della deformazione a tempo infinito per una combinazione di carichi è ottenuta sommando per ogni caso di carico sia il valore istantaneo che il valore ottenuto dall'aliquota quasi-permanente amplificata del fattore kdef (formula 2.2 e 2.3).

In termini analitici il contributo del caso di carico con coefficiente di combinazione **Psi** (diverso da 0) è **Psi + kdef * Psi2**



Elem.	Note	Pos.	Ver N+/M	Ver N-/M	Ver V/T	Rif. cmb	Ver N(s)	Kcy	Kcz	Ver M(s)	Kcrit(y)	Kcrit(z)	Rif. cmb
1 ok T,s=14,m=42		cm	0.0	0.0	0.0	0,25,25				0.0	1.0	1.0	0,25
		50.4	2.03e-02	0.0	6.69e-04	21,0,25				3.90e-04	1.0	1.0	0,21
2 ok T,s=14,m=42		0.0	0.0	1.26e-02	1.48e-02	0,21,25	2.11e-02	0.8	0.5	8.78e-03	1.0	1.0	25,25
		295.7	0.3	0.0	3.19e-02	25,0,25	0.0	0.8	0.5	0.1	1.0	1.0	0,25
3 ok T,s=14,m=42		0.0	0.4	0.0	5.72e-02	25,0,25	0.0	0.8	0.5	0.1	1.0	1.0	0,25
		295.7	0.0	2.15e-02	3.09e-02	0,21,25	3.22e-02	0.8	0.5	1.39e-02	1.0	1.0	25,25
4 ok T,s=14,m=42		0.0	2.03e-02	0.0	6.69e-04	21,0,25				3.90e-04	1.0	1.0	0,21
		50.4	0.0	0.0	0.0	0,25,22				0.0	1.0	1.0	0,25
5 ok T,s=14,m=42		0.0	0.0	0.0	0.0	27,0,21				0.0	1.0	1.0	0,25
		50.4	3.90e-02		2.46e-03	21,0,25				1.43e-03	1.0	1.0	0,21
6 ok T,s=14,m=42		0.0		2.68e-02	1.38e-02	0,25,25	0.2	0.8	0.5	0.2	1.0	1.0	25,25
		295.7		0.3	2.83e-02	0,25,25	0.4	0.8	0.5	0.2	1.0	1.0	25,25
7 ok T,s=14,m=42		0.0		0.3	5.26e-02	0,25,25	0.4	0.8	0.5	0.2	1.0	1.0	25,25
		295.7		5.25e-02	3.08e-02	0,25,25	0.2	0.8	0.5	0.2	1.0	1.0	25,25
8 ok T,s=14,m=42		0.0	3.90e-02	0.0	2.46e-03	21,0,25				1.43e-03	1.0	1.0	0,21
		50.4	0.0	0.0	0.0	0,25,22				0.0	1.0	1.0	0,21
9 ok T,s=14,m=42		0.0	0.0	0.0	0.0	25,0,21				0.0	1.0	1.0	0,25
		50.4	3.90e-02		2.46e-03	21,0,21				1.43e-03	1.0	1.0	0,21
10 ok T,s=14,m=42		0.0		7.69e-02	2.62e-02	0,25,25	0.3	0.8	0.5	0.2	1.0	1.0	25,25
		295.7		0.4	5.07e-02	0,25,25	0.5	0.8	0.5	0.3	1.0	1.0	25,25
11 ok T,s=14,m=42		0.0		0.4	5.12e-02	0,25,25	0.5	0.8	0.5	0.3	1.0	1.0	25,25
		295.7		5.22e-02	2.59e-02	0,25,25	0.3	0.8	0.5	0.2	1.0	1.0	25,25
12 ok T,s=14,m=42		0.0	3.90e-02	0.0	2.46e-03	21,0,21				1.43e-03	1.0	1.0	0,21
		50.4	0.0	0.0	0.0	0,24,22				0.0	1.0	1.0	0,21
13 ok T,s=14,m=42		0.0	0.0	0.0	0.0	25,0,22				0.0	1.0	1.0	0,25
		50.4	3.90e-02		2.46e-03	21,0,25				1.43e-03	1.0	1.0	0,21
14 ok T,s=14,m=42		0.0		5.99e-02	2.38e-02	0,25,25	0.3	0.8	0.5	0.3	1.0	1.0	25,25
		295.7		0.4	4.94e-02	0,25,25	0.5	0.8	0.5	0.3	1.0	1.0	25,25
15 ok T,s=14,m=42		0.0		0.4	4.95e-02	0,25,25	0.5	0.8	0.5	0.3	1.0	1.0	25,25
		295.7		5.31e-02	2.37e-02	0,25,25	0.3	0.8	0.5	0.3	1.0	1.0	25,25
16 ok T,s=14,m=42		0.0	3.90e-02	0.0	2.46e-03	21,0,25				1.43e-03	1.0	1.0	0,21
		50.4	0.0	0.0	0.0	0,21,22				0.0	1.0	1.0	0,21
17 ok T,s=14,m=42		0.0	0.0	0.0	0.0	25,0,25				0.0	1.0	1.0	0,25
		50.4	3.90e-02		2.46e-03	21,0,25				1.43e-03	1.0	1.0	0,21
18 ok T,s=14,m=42		0.0		5.41e-02	2.32e-02	0,25,25	0.3	0.8	0.5	0.3	1.0	1.0	25,25
		295.7		0.4	4.92e-02	0,25,25	0.5	0.8	0.5	0.3	1.0	1.0	25,25
19 ok T,s=14,m=42		0.0		0.4	4.92e-02	0,25,25	0.5	0.8	0.5	0.3	1.0	1.0	25,25
		295.7		5.27e-02	2.31e-02	0,25,25	0.3	0.8	0.5	0.3	1.0	1.0	25,25
20 ok T,s=14,m=42		0.0	3.90e-02	0.0	2.46e-03	21,0,21				1.43e-03	1.0	1.0	0,21
		50.4	0.0	0.0	0.0	0,25,22				0.0	1.0	1.0	0,21
21 ok T,s=14,m=42		0.0	0.0	0.0	0.0	25,0,27				0.0	1.0	1.0	0,25
		50.4	3.90e-02		2.46e-03	21,0,25				1.43e-03	1.0	1.0	0,21
22 ok T,s=14,m=42		0.0		5.27e-02	2.31e-02	0,25,25	0.3	0.8	0.5	0.3	1.0	1.0	25,25
		295.7		0.4	4.92e-02	0,25,25	0.5	0.8	0.5	0.3	1.0	1.0	25,25
23 ok T,s=14,m=42		0.0		0.4	4.92e-02	0,25,25	0.5	0.8	0.5	0.3	1.0	1.0	25,25
		295.7		5.41e-02	2.32e-02	0,25,25	0.3	0.8	0.5	0.3	1.0	1.0	25,25
24 ok T,s=14,m=42		0.0	3.90e-02	0.0	2.46e-03	21,0,21				1.43e-03	1.0	1.0	0,21
		50.4	0.0	0.0	0.0	0,25,22				0.0	1.0	1.0	0,21
25 ok T,s=14,m=42		0.0	0.0	0.0	0.0	25,0,21				0.0	1.0	1.0	0,25
		50.4	3.90e-02		2.46e-03	21,0,25				1.43e-03	1.0	1.0	0,21
26 ok T,s=14,m=42		0.0		5.31e-02	2.37e-02	0,25,25	0.3	0.8	0.5	0.3	1.0	1.0	25,25
		295.7		0.4	4.95e-02	0,25,25	0.5	0.8	0.5	0.3	1.0	1.0	25,25
27 ok T,s=14,m=42		0.0		0.4	4.94e-02	0,25,25	0.5	0.8	0.5	0.3	1.0	1.0	25,25
		295.7		5.99e-02	2.38e-02	0,25,25	0.3	0.8	0.5	0.3	1.0	1.0	25,25
28 ok T,s=14,m=42		0.0	3.90e-02	0.0	2.46e-03	21,0,25				1.43e-03	1.0	1.0	0,21
		50.4	0.0	0.0	0.0	0,25,22				0.0	1.0	1.0	0,21
29 ok T,s=14,m=42		0.0	0.0	0.0	0.0	25,0,25				0.0	1.0	1.0	0,25
		50.4	3.90e-02		2.46e-03	21,0,21				1.43e-03	1.0	1.0	0,21
30 ok T,s=14,m=42		0.0		5.22e-02	2.59e-02	0,25,25	0.3	0.8	0.5	0.2	1.0	1.0	25,25
		295.7		0.4	5.12e-02	0,25,25	0.5	0.8	0.5	0.3	1.0	1.0	25,25
31 ok T,s=14,m=42		0.0		0.4	5.07e-02	0,25,25	0.5	0.8	0.5	0.3	1.0	1.0	25,25
		295.7		7.69e-02	2.62e-02	0,25,25	0.3	0.8	0.5	0.2	1.0	1.0	25,25
32 ok T,s=14,m=42		0.0	3.90e-02	0.0	2.46e-03	21,0,21				1.43e-03	1.0	1.0	0,21
		50.4	0.0	0.0	0.0	0,25,22				0.0	1.0	1.0	0,21
33 ok T,s=14,m=42		0.0	0.0	0.0	0.0	25,0,21				0.0	1.0	1.0	0,25
		50.4	3.90e-02		2.46e-03	21,0,25				1.43e-03	1.0	1.0	0,21
34 ok T,s=14,m=42		0.0		5.25e-02	3.08e-02	0,25,25	0.2	0.8	0.5	0.2	1.0	1.0	25,25
		295.7		0.3	5.26e-02	0,25,25	0.4	0.8	0.5	0.2	1.0	1.0	25,25
35 ok T,s=14,m=42		0.0		0.3	2.83e-02	0,25,25	0.4	0.8	0.5	0.2	1.0	1.0	25,25
		295.7		2.68e-02	1.38e-02	0,25,25	0.2	0.8	0.5	0.2	1.0	1.0	25,25
36 ok T,s=14,m=42		0.0	3.90e-02	0.0	2.46e-03	21,0,25				1.43e-03	1.0	1.0	0,21
		50.4	0.0	0.0	0.0	0,25,22				0.0	1.0	1.0	0,25
37 ok T,s=14,m=42		0.0	0.0	0.0	0.0	25,0,21				0.0	1.0	1.0	0,25
		50.4	2.03e-02	0.0	6.69e-04	21,0,25				3.90e-04	1.0	1.0	0,21
38 ok T,s=14,m=42		0.0	0.0	2.15e-02	3.09e-02	0,21,25	3.22e-02	0.8	0.5	1.39e-02	1.0	1.0	25,25



39 ok T,s=14,m=42	295.7	0.4	0.0	5.72e-02	25,0,25	0.0	0.8	0.5	0.1	1.0	1.0	0,25
	0.0	0.3	0.0	3.19e-02	25,0,25	0.0	0.8	0.5	0.1	1.0	1.0	0,25
40 ok T,s=14,m=42	295.7	0.0	1.26e-02	1.48e-02	0,21,25	2.11e-02	0.8	0.5	8.78e-03	1.0	1.0	25,25
	0.0	2.03e-02	0.0	6.69e-04	21,0,25				3.90e-04	1.0	1.0	0,21
	50.4	0.0	0.0	0.0	0,25,22				0.0	1.0	1.0	0,25
41 ok T,s=15,m=42	0.0	2.55e-03		6.11e-03	25,0,25				5.50e-06	1.0	1.0	0,25
	100.0	5.66e-02		5.87e-03	25,0,25				3.17e-03	1.0	1.0	0,25
42 ok T,s=15,m=42	0.0	5.46e-02		2.57e-02	25,0,25				2.98e-03	1.0	1.0	0,25
	100.0	4.08e-02		2.57e-02	25,0,25				1.66e-03	1.0	1.0	0,25
43 ok T,s=15,m=42	0.0		4.01e-02	5.64e-03	0,25,25	4.03e-02	0.3	1.0	1.66e-03	1.0	1.0	25,25
	100.0		1.25e-02	5.75e-03	0,25,25	1.27e-02	0.3	1.0	2.07e-04	1.0	1.0	25,25
44 ok T,s=15,m=42	0.0		1.24e-02	1.40e-03	0,25,25	1.26e-02	0.3	1.0	2.14e-04	1.0	1.0	25,25
	100.0		9.06e-04	1.45e-03	0,25,25	1.11e-03	0.3	1.0	2.06e-04	1.0	1.0	25,25
45 ok T,s=15,m=42	0.0		9.04e-04	6.52e-04	0,25,25	1.11e-03	0.3	1.0	2.06e-04	1.0	1.0	25,25
	100.0		9.04e-04	6.52e-04	0,25,25	1.11e-03	0.3	1.0	2.06e-04	1.0	1.0	25,25
46 ok T,s=15,m=42	0.0		9.06e-04	1.45e-03	0,25,25	1.11e-03	0.3	1.0	2.06e-04	1.0	1.0	25,25
	100.0		1.24e-02	1.40e-03	0,25,25	1.26e-02	0.3	1.0	2.14e-04	1.0	1.0	25,25
47 ok T,s=15,m=42	0.0		1.25e-02	5.75e-03	0,25,25	1.27e-02	0.3	1.0	2.07e-04	1.0	1.0	25,25
	100.0		4.01e-02	5.64e-03	0,25,25	4.03e-02	0.3	1.0	1.66e-03	1.0	1.0	25,25
48 ok T,s=15,m=42	0.0	4.08e-02		2.57e-02	25,0,25				1.66e-03	1.0	1.0	0,25
	100.0	5.46e-02		2.57e-02	25,0,25				2.98e-03	1.0	1.0	0,25
49 ok T,s=15,m=42	0.0	5.66e-02		5.87e-03	25,0,25				3.17e-03	1.0	1.0	0,25
	100.0	2.55e-03		6.11e-03	25,0,25				5.50e-06	1.0	1.0	0,25
50 ok T,s=15,m=42	0.0	1.90e-03		1.74e-02	25,0,25				3.50e-06	1.0	1.0	0,25
	100.0	1.38e-03		1.74e-02	25,0,25				0.0	1.0	1.0	0,25
51 ok T,s=15,m=42	0.0	1.14e-03		4.52e-02	25,0,25				0.0	1.0	1.0	0,21
	100.0	9.82e-04		4.52e-02	25,0,25				0.0	1.0	1.0	0,25
52 ok T,s=15,m=42	0.0	9.10e-04		1.24e-02	25,0,25				0.0	1.0	1.0	0,21
	100.0	7.96e-04		1.24e-02	25,0,25				0.0	1.0	1.0	0,25
53 ok T,s=15,m=42	0.0	7.64e-04		2.98e-03	25,0,25				0.0	1.0	1.0	0,21
	100.0	7.43e-04		2.98e-03	21,0,25				0.0	1.0	1.0	0,21
54 ok T,s=15,m=42	0.0	7.43e-04		8.95e-04	25,0,21				0.0	1.0	1.0	0,25
	100.0	7.43e-04		8.95e-04	25,0,21				0.0	1.0	1.0	0,25
55 ok T,s=15,m=42	0.0	7.43e-04		6.68e-04	21,0,21				0.0	1.0	1.0	0,21
	100.0	7.64e-04		6.68e-04	25,0,21				0.0	1.0	1.0	0,21
56 ok T,s=15,m=42	0.0	7.96e-04		6.70e-04	25,0,22				0.0	1.0	1.0	0,25
	100.0	9.10e-04		6.70e-04	25,0,22				0.0	1.0	1.0	0,21
57 ok T,s=15,m=42	0.0	9.82e-04		1.53e-03	25,0,22				0.0	1.0	1.0	0,25
	100.0	1.14e-03		1.53e-03	25,0,22				0.0	1.0	1.0	0,21
58 ok T,s=15,m=42	0.0	1.38e-03		5.57e-03	25,0,25				0.0	1.0	1.0	0,25
	100.0	1.90e-03		5.57e-03	25,0,25				3.50e-06	1.0	1.0	0,25
59 ok T,s=15,m=42	0.0	1.90e-03		5.57e-03	25,0,25				3.50e-06	1.0	1.0	0,25
	100.0	1.38e-03		5.57e-03	25,0,25				0.0	1.0	1.0	0,25
60 ok T,s=15,m=42	0.0	1.14e-03		1.53e-03	25,0,22				0.0	1.0	1.0	0,21
	100.0	9.82e-04		1.53e-03	25,0,22				0.0	1.0	1.0	0,25
61 ok T,s=15,m=42	0.0	9.10e-04		6.70e-04	25,0,22				0.0	1.0	1.0	0,21
	100.0	7.96e-04		6.70e-04	25,0,22				0.0	1.0	1.0	0,25
62 ok T,s=15,m=42	0.0	7.64e-04		6.68e-04	25,0,21				0.0	1.0	1.0	0,21
	100.0	7.43e-04		6.68e-04	21,0,21				0.0	1.0	1.0	0,21
63 ok T,s=15,m=42	0.0	7.43e-04		8.95e-04	25,0,25				0.0	1.0	1.0	0,25
	100.0	7.43e-04		8.95e-04	25,0,25				0.0	1.0	1.0	0,25
64 ok T,s=15,m=42	0.0	7.43e-04		2.98e-03	21,0,25				0.0	1.0	1.0	0,21
	100.0	7.64e-04		2.98e-03	25,0,25				0.0	1.0	1.0	0,21
65 ok T,s=15,m=42	0.0	7.96e-04		1.24e-02	25,0,25				0.0	1.0	1.0	0,25
	100.0	9.10e-04		1.24e-02	25,0,25				0.0	1.0	1.0	0,21
66 ok T,s=15,m=42	0.0	9.82e-04		4.52e-02	25,0,25				0.0	1.0	1.0	0,25
	100.0	1.14e-03		4.52e-02	25,0,25				0.0	1.0	1.0	0,21
67 ok T,s=15,m=42	0.0	1.38e-03		1.74e-02	25,0,25				0.0	1.0	1.0	0,25
	100.0	1.90e-03		1.74e-02	25,0,25				3.50e-06	1.0	1.0	0,25

Elem.

Ver N+/M Ver N-/M Ver V/T

Ver N(s)

Kcy

Kcz

Ver M(s)

Kcrit(y) Kcrit(z)

0.29

0.48

1.00 1.00



PROJECT ITALY ENGINEERING - Dr. Ing. Francesco Papalia - Progettazioni e Servizi Integrati per l'Ingegneria

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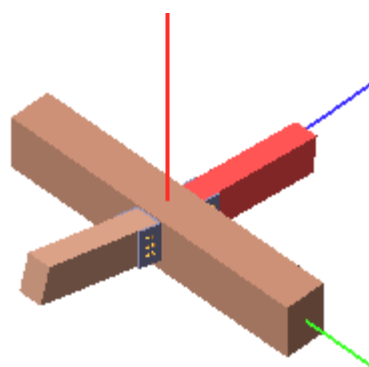
<http://www.project-italy.org/>

- <https://www.facebook.com/Servizi.di.Ingegneria/>

	0.35	0.37	0.06		0.49		0.35		
Elem.	w,net R	w,net F	w,net P	Rif. cmb	Kdef	w,net Ri	w,net Fi	w,net Pi	Rif. cmb
1	0.6	0.3	0.3	4,15,20	0.6	1.0	0.7	0.5	4,15,20
2	0.2	0.1	8.80e-02	4,15,20	0.6	0.3	0.2	0.1	4,15,20
3	0.6	0.4	0.4	2,15,20	0.6	0.9	0.7	0.6	2,15,20
4	1.7	1.3	1.2	2,15,20	0.6	2.8	2.2	1.9	2,15,20
5	0.8	0.5	0.4	4,15,20	0.6	1.4	1.0	0.7	4,15,20
6	0.2	0.1	0.1	4,15,20	0.6	0.4	0.3	0.2	4,15,20
7	0.5	0.4	0.4	2,15,20	0.6	0.9	0.7	0.6	2,15,20
8	1.7	1.3	1.2	4,15,20	0.6	2.8	2.2	1.9	4,15,20
9	1.5	1.0	1.0	4,15,20	0.6	2.4	1.8	1.5	4,15,20
10	0.4	0.3	0.3	4,15,20	0.6	0.7	0.6	0.5	4,15,20
11	0.5	0.4	0.4	4,15,20	0.6	0.8	0.6	0.6	4,15,20
12	1.7	1.3	1.2	4,15,20	0.6	2.8	2.2	1.9	4,15,20
13	1.6	1.2	1.1	4,15,20	0.6	2.7	2.1	1.8	4,15,20
14	0.5	0.4	0.3	4,15,20	0.6	0.8	0.6	0.5	4,15,20
15	0.5	0.4	0.3	4,15,20	0.6	0.8	0.6	0.5	4,15,20
16	1.7	1.2	1.2	4,15,20	0.6	2.8	2.2	1.9	4,15,20
17	1.7	1.2	1.1	4,15,20	0.6	2.7	2.1	1.8	4,15,20
18	0.5	0.4	0.3	4,15,20	0.6	0.8	0.6	0.5	4,15,20
19	0.5	0.4	0.3	4,15,20	0.6	0.8	0.6	0.5	4,15,20
20	1.7	1.2	1.2	4,15,20	0.6	2.8	2.2	1.8	4,15,20
21	1.7	1.2	1.2	4,15,20	0.6	2.8	2.2	1.8	4,15,20
22	0.5	0.4	0.3	4,15,20	0.6	0.8	0.6	0.5	4,15,20
23	0.5	0.4	0.3	4,15,20	0.6	0.8	0.6	0.5	4,15,20
24	1.7	1.2	1.1	4,15,20	0.6	2.7	2.1	1.8	4,15,20
25	1.7	1.2	1.2	4,15,20	0.6	2.8	2.2	1.9	4,15,20
26	0.5	0.4	0.3	4,15,20	0.6	0.8	0.6	0.5	4,15,20
27	0.5	0.4	0.3	4,15,20	0.6	0.8	0.6	0.5	4,15,20
28	1.6	1.2	1.1	4,15,20	0.6	2.7	2.1	1.8	4,15,20
29	1.7	1.3	1.2	4,15,20	0.6	2.8	2.2	1.9	4,15,20
30	0.5	0.4	0.4	4,15,20	0.6	0.8	0.6	0.6	4,15,20
31	0.4	0.3	0.3	4,15,20	0.6	0.7	0.6	0.5	4,15,20
32	1.5	1.0	1.0	4,15,20	0.6	2.4	1.8	1.5	4,15,20
33	1.7	1.3	1.2	4,15,20	0.6	2.8	2.2	1.9	4,15,20
34	0.5	0.4	0.4	2,15,20	0.6	0.9	0.7	0.6	2,15,20
35	0.2	0.1	0.1	4,15,20	0.6	0.4	0.3	0.2	4,15,20
36	0.8	0.5	0.4	4,15,20	0.6	1.4	1.0	0.7	4,15,20
37	1.7	1.3	1.2	2,15,20	0.6	2.8	2.2	1.9	2,15,20
38	0.6	0.4	0.4	2,15,20	0.6	0.9	0.7	0.6	2,15,20
39	0.2	0.1	8.80e-02	4,15,20	0.6	0.3	0.2	0.1	4,15,20
40	0.6	0.3	0.3	4,15,20	0.6	1.0	0.7	0.5	4,15,20
41	0.5	0.4	0.4	4,15,20	0.6	0.9	0.7	0.6	4,15,20
42	0.3	0.2	0.2	2,15,20	0.6	0.4	0.4	0.3	2,15,20
43	6.87e-02	5.45e-02	5.21e-02	2,14,20	0.6	0.1	9.30e-02	8.33e-02	2,14,20
44	5.26e-03	4.36e-03	4.21e-03	2,14,20	0.6	8.53e-03	7.34e-03	6.73e-03	2,14,20
45	1.09e-03	1.21e-03	1.19e-03	2,14,20	0.6	1.68e-03	1.97e-03	1.90e-03	2,14,20
46	5.26e-03	4.36e-03	4.21e-03	2,14,20	0.6	8.53e-03	7.34e-03	6.73e-03	2,14,20
47	6.87e-02	5.45e-02	5.21e-02	2,14,20	0.6	0.1	9.30e-02	8.33e-02	2,14,20
48	0.3	0.2	0.2	2,15,20	0.6	0.4	0.4	0.3	2,15,20
49	0.5	0.4	0.4	4,15,20	0.6	0.9	0.7	0.6	4,15,20
50	1.16e-03	1.16e-03	1.15e-03	4,15,20	0.6	1.85e-03	1.85e-03	1.85e-03	4,15,20
51	9.38e-04	9.37e-04	9.37e-04	4,15,20	0.6	1.50e-03	1.50e-03	1.50e-03	4,15,20
52	9.38e-04	9.38e-04	9.38e-04	2,15,20	0.6	1.50e-03	1.50e-03	1.50e-03	2,15,20
53	9.37e-04	9.37e-04	9.37e-04	2,14,20	0.6	1.50e-03	1.50e-03	1.50e-03	2,14,20
54	9.37e-04	9.37e-04	9.37e-04	2,14,20	0.6	1.50e-03	1.50e-03	1.50e-03	2,14,20
55	9.37e-04	9.37e-04	9.37e-04	2,14,20	0.6	1.50e-03	1.50e-03	1.50e-03	2,14,20
56	9.38e-04	9.38e-04	9.38e-04	2,15,20	0.6	1.50e-03	1.50e-03	1.50e-03	2,15,20
57	9.38e-04	9.37e-04	9.37e-04	4,15,20	0.6	1.50e-03	1.50e-03	1.50e-03	4,15,20
58	1.16e-03	1.16e-03	1.15e-03	4,15,20	0.6	1.85e-03	1.85e-03	1.85e-03	4,15,20
59	1.16e-03	1.16e-03	1.15e-03	4,15,20	0.6	1.85e-03	1.85e-03	1.85e-03	4,15,20
60	9.38e-04	9.37e-04	9.37e-04	4,15,20	0.6	1.50e-03	1.50e-03	1.50e-03	4,15,20
61	9.38e-04	9.38e-04	9.38e-04	2,15,20	0.6	1.50e-03	1.50e-03	1.50e-03	2,15,20
62	9.37e-04	9.37e-04	9.37e-04	2,14,20	0.6	1.50e-03	1.50e-03	1.50e-03	2,14,20
63	9.37e-04	9.37e-04	9.37e-04	2,14,20	0.6	1.50e-03	1.50e-03	1.50e-03	2,14,20
64	9.37e-04	9.37e-04	9.37e-04	2,14,20	0.6	1.50e-03	1.50e-03	1.50e-03	2,14,20
65	9.38e-04	9.38e-04	9.38e-04	2,15,20	0.6	1.50e-03	1.50e-03	1.50e-03	2,15,20
66	9.38e-04	9.37e-04	9.37e-04	4,15,20	0.6	1.50e-03	1.50e-03	1.50e-03	4,15,20
67	1.16e-03	1.16e-03	1.15e-03	4,15,20	0.6	1.85e-03	1.85e-03	1.85e-03	4,15,20
Elem.	w,net R	w,net F	w,net P			w,net Ri	w,net Fi	w,net Pi	
	1.71	1.28	1.21			2.82	2.22	1.94	



VERIFICA GIUNZIONI NODO MAGGIORMENTE SOLLECITATO



Classe di servizio 1

L'opera è caratterizzata da un'umidità del materiale in equilibrio con l'ambiente a una temperatura di 20°C e un'umidità relativa dell'aria circostante che non supera il 65%, se non per poche settimane all'anno.

Coefficiente di sicurezza utilizzato

$\gamma_M = 1,50$

Trave lato 3+

Dimensioni sezione (B_{el} x H_{el}): 140 x 220 mm

Legno: C24* - UNI EN 338:2009

Essenza: conifere

Massa volumica:

$\rho_k = 350 \text{ Kg/m}^3$

Resistenza caratteristica a trazione parallela alle fibre:

$f_{t,0,k} = 14.00 \text{ N/mm}^2$

Resistenza caratteristica a trazione ortogonale alle fibre:

$f_{t,90,k} = 0.40 \text{ N/mm}^2$

Resistenza caratteristica a compressione parallela alle fibre:

$f_{c,0,k} = 21.00 \text{ N/mm}^2$

Resistenza caratteristica a compressione ortogonale alle fibre:

$f_{c,90,k} = 2.50 \text{ N/mm}^2$

Resistenza caratteristica a taglio:

$f_{v,k} = 4.00 \text{ N/mm}^2$

Resistenza caratteristica a flessione:

$f_{m,k} = 24.00 \text{ N/mm}^2$

Coefficiente correttivo k_{mod} :

Classe durata carico	permanente	lunga	media	breve	istantanea
Classe di servizio 1	0.60	0.70	0.80	0.90	1.00
Classe di servizio 2	0.60	0.70	0.80	0.90	1.00
Classe di servizio 3	0.50	0.55	0.65	0.70	0.90

Dati unione

Unione realizzata con l'utilizzo di una scarpa d'acciaio, fissata al continuo, nella quale è inserito l'elemento: la scarpa ha dimensioni (S_s x B_{el} x H_s x L_s) 10 x 140 x 220 x 140 mm.

Materiale scarpa: Acciaio S355

Tensione caratteristica di snervamento: $f_{yk} = 355 \text{ N/mm}^2$

Tensione caratteristica di rottura: $f_{tk} = 510 \text{ N/mm}^2$

Dati connettori elemento-scarpa

Bulloni: M10

Diametro $\varnothing = 10 \text{ mm}$

Limite "Johansen" per E_{fune} $L_{Ef} = 25 \%$

Numero $n = 6$ (3 righe e 2 colonne)

Materiale: Classe 8.8 (NTC08)

Tensione di snervamento: $f_{yb} = 649 \text{ N/mm}^2$

Tensione di rottura: $f_{tb} = 800 \text{ N/mm}^2$

Dati connettori scarpa-continuo

Bulloni: M10

Diametro $\varnothing = 10 \text{ mm}$



Limite "Johansen" per E_{fune} $L_{Ef} = 25 \%$
 Numero $n = 8$ (4 righe e 2 colonne)
 Materiale: Classe 8.8 (NTC08)
 Tensione di snervamento: $f_{yb} = 649 \text{ N/mm}^2$
 Tensione di rottura: $f_{tb} = 800 \text{ N/mm}^2$

Sollecitazioni nella sezione d'attacco dell'elemento:

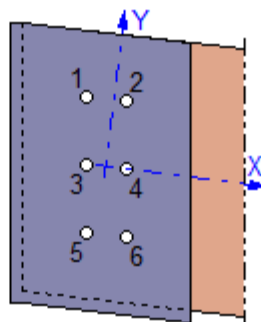
N.C.D.	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
21.21.P	1630.1	0.0	195.6	0.0	-410441.0	0.0
21.22.M	2076.9	0.0	249.2	0.0	-522941.0	0.0
21.23.P	1253.9	0.0	150.5	0.0	-315724.0	0.0
21.24.M	1700.7	0.0	204.1	0.0	-428224.0	0.0
21.25.P	1630.1	0.0	195.6	0.0	-410441.0	0.0
21.26.M	1853.5	0.0	222.4	0.0	-466691.0	0.0
21.27.P	1253.9	0.0	150.5	0.0	-315724.0	0.0
21.28.M	1477.3	0.0	177.3	0.0	-371974.0	0.0
21.29.P	1630.1	0.0	195.6	0.0	-410441.0	0.0
21.30.M	1853.5	0.0	222.4	0.0	-466691.0	0.0
21.31.P	1253.9	0.0	150.5	0.0	-315724.0	0.0
21.32.M	1477.3	0.0	177.3	0.0	-371974.0	0.0
21.33.P	1630.1	0.0	195.6	0.0	-410441.0	0.0
21.34.M	1853.5	0.0	222.4	0.0	-466691.0	0.0
21.35.P	1253.9	0.0	150.5	0.0	-315724.0	0.0
21.36.M	1477.3	0.0	177.3	0.0	-371974.0	0.0
21.37.P	1630.1	0.0	195.6	0.0	-410441.0	0.0
21.38.M	1853.5	0.0	222.4	0.0	-466691.0	0.0
21.39.P	1253.9	0.0	150.5	0.0	-315724.0	0.0
21.40.M	1477.3	0.0	177.3	0.0	-371974.0	0.0
21.41.P	1630.1	0.0	195.6	0.0	-410441.0	0.0
21.42.M	1853.5	0.0	222.4	0.0	-466691.0	0.0
21.43.P	1253.9	0.0	150.5	0.0	-315724.0	0.0
21.44.M	1477.3	0.0	177.3	0.0	-371974.0	0.0
21.45.P	1253.9	0.0	150.5	0.0	-315724.0	0.0
21.21.P*	1641.8	0.0	0.0	0.0	-410441.0	0.0
21.22.M*	2091.8	0.0	0.0	0.0	-522941.0	0.0

Nota: la prima colonna della tabella riporta il numero del nodo (N), il numero della combinazione (C) e l'iniziale della classe di durata del carico (D: Permanente; Lunga durata; Media durata; Breve durata; Istantaneo).

* le componenti della sollecitazione sono riferite ad un sistema di riferimento non inclinato.

Verifica unione elemento-scarpa

N	X [mm]	Y [mm]
1	-23.3	55.0
2	10.1	55.0
3	-16.7	0.0
4	16.7	0.0
5	-10.1	-55.0
6	23.3	-55.0



Verifiche "lato legno" (Nodo n. 21, CMB n. 21)

Capacità caratteristica a estrazione del bullone

$$F_{ax,Rk} = F_{cp,Rd} =$$

8712.0 N

$$F_{cp,Rd} = 3 \cdot f_{c,90,k} \cdot \left(\left(\min [4 \cdot \emptyset, 12 \cdot S_s] \right)^2 - \emptyset^2 \right) \cdot \pi / 4$$

$\emptyset_f = 11.0 \text{ mm}$ diametro del foro

capacità di carico piastra



Momento caratteristico di snervamento

$$M_{y,Rk} = 0.3 \cdot f_{tb} \cdot \varnothing^2 \cdot 6 = 95545.7 \text{ N mm}$$

Resistenza caratteristica a rifollamento par. alle fibre
Coefficiente di essenza legnosa

$$f_{h,0,k} = 0.082 \cdot (1 - 0.01 \cdot \varnothing) \cdot \rho_k = 25.83 \text{ N/mm}^2$$

$$k_{90} = 1.35 + 0.015 \cdot \varnothing = 1.500$$

Equazioni di Johansen: piastre "spesse" elementi esterni di una connessione a doppio taglio.

Conn.	α [°]	$f_{h,\alpha,k}$ [N/mm ²]	$F_{v,Rk,l}$ [N]	$F_{v,Rk,m}$ [N]	$E_{fune,m}$ [N]	$F_{v,Rk}$ [N]
1	14.04633	25.09	17563.7	13439.4	2178.0	13439.4
2	18.97572	24.53	17173.1	13313.5	2178.0	13313.5
3	81.53210	17.35	12141.8	11541.2	2178.0	11541.2
4	87.55134	17.23	12061.3	11510.2	2178.0	11510.2
5	0.89011	25.83	18078.8	13603.4	2178.0	13603.4
6	31.08636	22.79	15954.3	12911.1	2178.0	12911.1

Legenda

α angolo di inclinazione del carico rispetto alle fibre

$f_{h,\alpha,k} = f_{h,0,k} / (k_{90} \cdot \sin^2 \alpha + \cos^2 \alpha)$ resistenza caratteristica a rifollamento secondo α

$$F_{v,Rk,l} = 0.5 \cdot f_{h,\alpha,k} \cdot t \cdot \varnothing$$

$$F_{v,Rk,m} = 2.3 \cdot (M_{y,Rk} \cdot f_{h,\alpha,k} \cdot \varnothing)^{0.5} + E_{fune,m}$$

$$E_{fune,m} = \min [L_{Ef} \cdot F_{v,Rk,m}, F_{ax,Rk} / 4]$$

$$F_{v,Rk} = \min [F_{v,Rk,l}, F_{v,Rk,m}] \text{ capacità di carico per piano di taglio}$$

Verifica connettori

Conn.	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	FV	VER
1	851.4	5375.8	0.158381	Ok
2	873.4	5325.4	0.164011	Ok
3	110.7	4616.5	0.023978	Ok
4	381.5	4604.1	0.082865	Ok
5	793.5	5441.3	0.145820	Ok
6	926.4	5164.4	0.179381	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone per piano di taglio

$F_{v,Rd} = k_{mod} \cdot F_{v,Rk} / \gamma_m$ resistenza di progetto del bullone per piano di taglio

$$FV = F_{v,Ed} / F_{v,Rd}$$

$$VER \rightarrow FV \leq 1$$

Verifiche "lato acciaio" (Nodo n. 21, CMB n. 23)

Calcolo resistenze

Resistenza a taglio dei bulloni		$F_{vb,Rd} = 0.5 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$			37699.1 N
Conn.	$F_{b,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{b,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]	
1	102000.0	37699.1	102000.0	37699.1	
2	102000.0	37699.1	102000.0	37699.1	
3	102000.0	37699.1	102000.0	37699.1	
4	102000.0	37699.1	102000.0	37699.1	
5	102000.0	37699.1	102000.0	37699.1	
6	102000.0	37699.1	102000.0	37699.1	

Legenda

$F_{b,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot S_s / \gamma_{M2}$

$$F_{v,x,Rd} = \min [F_{vb,Rd}, F_{b,x,Rd}]$$

$F_{b,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot S_s / \gamma_{M2}$

$$F_{v,y,Rd} = \min [F_{vb,Rd}, F_{b,y,Rd}]$$

resistenza a rifollamento fianco scarpa in direzione x

resistenza a taglio di progetto in direzione x

resistenza a rifollamento fianco scarpa in direzione y

resistenza a taglio di progetto in direzione y

Verifica connettori

Conn.	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	FV	VER
1	654.9	37699.1	0.017373	Ok
2	671.9	37699.1	0.017822	Ok
3	85.2	37699.1	0.002259	Ok
4	293.5	37699.1	0.007785	Ok
5	610.3	37699.1	0.016190	Ok
6	712.6	37699.1	0.018903	Ok

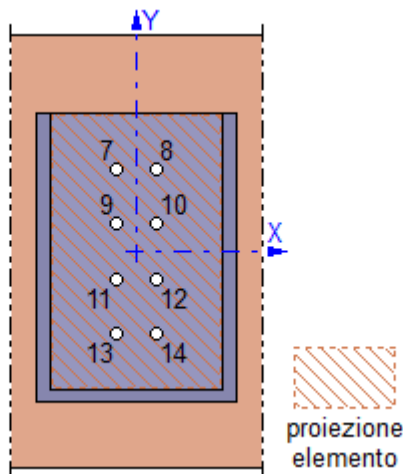


Legenda

- $F_{v,Ed}$ forza di taglio agente sul bullone
- $F_{v,Rd}$ resistenza a taglio di progetto del bullone
- $FV = F_{v,Ed} / F_{v,Rd}$
- VER $\rightarrow FV \leq 1$

Verifica unione scarpa-continuo

N	X [mm]	Y [mm]
7	-16.7	66.0
8	16.7	66.0
9	-16.7	22.0
10	16.7	22.0
11	-16.7	-22.0
12	16.7	-22.0
13	-16.7	-66.0
14	16.7	-66.0



Verifiche "lato legno" (Nodo n. 21, CMB n. 21)

Capacità caratteristica a estrazione del bullone $F_{ax,Rk} = F_{cp,Rd} = 8712.0 \text{ N}$
 $F_{cp,Rd} = 3 \cdot f_{c,90,k} \cdot ((\min [4 \cdot \varnothing, 12 \cdot S_s])^2 - \varnothing^2) \cdot \pi / 4$ capacità di carico piastra
 $\varnothing_f = 11.0 \text{ mm}$ diametro del foro

Momento caratteristico di snervamento $M_{y,Rk} = 0.3 \cdot f_{tb} \cdot \varnothing^{2.6} = 95545.7 \text{ N mm}$

Resistenza caratteristica a rifollamento par. alle fibre $f_{h,0,k} = 0.082 \cdot (1 - 0.01 \cdot \varnothing) \cdot \rho_k = 25.83 \text{ N/mm}^2$
 Coefficiente di essenza legnosa $k_{90} = 1.35 + 0.015 \cdot \varnothing = 1.500$
 Angolo di inclinazione del carico rispetto alle fibre $\alpha = 90.00000^\circ$
 Resistenza caratteristica a rifollamento secondo α $f_{h,\alpha,k} = f_{h,0,k} / (k_{90} \cdot \sin^2\alpha + \cos^2\alpha) = 17.22 \text{ N/mm}^2$

Equazioni di Johansen: piastra "spessa" in una connessione a singolo taglio.

Capacità di carico per piano di taglio $F_{v,Rk} = \min [F_{v,Rk,c}, F_{v,Rk,d}, F_{v,Rk,e}] = 11507.3 \text{ N}$
 $F_{v,Rk,c} = f_{h,\alpha,k} \cdot t \cdot \varnothing \cdot [(2 + 4 \cdot M_{y,Rk} / (f_{h,\alpha,k} \cdot \varnothing \cdot t^2))^{0.5} - 1] + E_{fune,c} = 19857.0 \text{ N}$
 $F_{v,Rk,d} = 2.3 \cdot (M_{y,Rk} \cdot f_{h,\alpha,k} \cdot \varnothing)^{0.5} + E_{fune,d} = 11507.3 \text{ N}$
 $F_{v,Rk,e} = f_{h,\alpha,k} \cdot t \cdot \varnothing = 41328.0 \text{ N}$
 $E_{fune,c} = \min [L_{Ef} \cdot F_{v,Rk,c}, F_{ax,Rk} / 4] = 2178.0 \text{ N}$
 $E_{fune,d} = \min [L_{Ef} \cdot F_{v,Rk,d}, F_{ax,Rk} / 4] = 2178.0 \text{ N}$

Resistenza di progetto del bullone per piano di taglio $F_{v,Rd} = k_{mod} \cdot F_{v,Rk} / \gamma_m = 4602.9 \text{ N}$

Numero efficace bulloni per ogni gruppo par. alle fibre:

Carico parallelo alle fibre $n_{ef,||} = \min [n, n^{0.9} \cdot (a_1 / (13 \cdot \varnothing))^{0.25}] = 1.328$
 $(a_1 = 33.33 \text{ mm}$ interasse connettori in direzione delle fibre)
 Carico perpendicolare alle fibre $n_{ef,\perp} = n = 2.000$
 Carico reale (secondo α) $n_{ef,\alpha} = n_{ef,||} + (n_{ef,\perp} - n_{ef,||}) \cdot \alpha / 90 = 2.000$
 Numero di gruppi par. alle fibre $n_g = 4$

Resistenza di progetto del giunto per piano di taglio $F_{v,G,Rd} = n_{ef,\alpha} \cdot n_g \cdot F_{v,Rd} = 36823.5 \text{ N}$

Forza agente sul giunto per piano di taglio $F_{v,Ed} = 1641.8 \text{ N}$

Resistenza di progetto ad estrazione del bullone $F_{ax,Rd} = k_{mod} \cdot F_{ax,Rk} / \gamma_m = 3484.8 \text{ N}$

Verifica connettori



Conn.	$F_{ax,Ed}$ [N]	FV	VER
7	824.7	0.281235	Ok
8	824.7	0.281240	Ok
9	498.9	0.187749	Ok
10	498.9	0.187755	Ok
11	173.1	0.094263	Ok
12	173.1	0.094269	Ok
13	0.0	0.044586	Ok
14	0.0	0.044586	Ok

Legenda

$F_{ax,Ed}$ forza assiale agente sul bullone

$FV = F_{ax,Ed} / F_{ax,Rd} + F_{v,Ed} / F_{v,G,Rd}$

VER $\rightarrow FV \leq 1$

Verifiche "lato acciaio"

Calcolo resistenze

Resistenza a trazione dei bulloni	$F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$	33929.2 N
Resistenza a punzonamento testa scarpa	$B_{p,Rd} = 0.6 \cdot \pi \cdot d_m \cdot S_s \cdot f_{tk} / \gamma_{M2} =$	130740.5 N
Resistenza a trazione di progetto	$F_{t,Rd} = \min [F_{tb,Rd} , B_{p,Rd}] =$	33929.2 N

Resistenza a taglio dei bulloni		$F_{vb,Rd} = 0.5 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$			18849.6 N
Conn.	$F_{b,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{b,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]	
7	102000.0	18849.6	102000.0	18849.6	
8	102000.0	18849.6	102000.0	18849.6	
9	102000.0	18849.6	102000.0	18849.6	
10	102000.0	18849.6	102000.0	18849.6	
11	102000.0	18849.6	102000.0	18849.6	
12	102000.0	18849.6	102000.0	18849.6	
13	102000.0	18849.6	102000.0	18849.6	
14	102000.0	18849.6	102000.0	18849.6	

Legenda

$F_{b,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot S_s / \gamma_{M2}$

$F_{v,x,Rd} = \min [F_{vb,Rd} , F_{b,x,Rd}]$

$F_{b,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot S_s / \gamma_{M2}$

$F_{v,y,Rd} = \min [F_{vb,Rd} , F_{b,y,Rd}]$

resistenza a rifollamento testa scarpa in direzione x

resistenza a taglio di progetto in direzione x

resistenza a rifollamento testa scarpa in direzione y

resistenza a taglio di progetto in direzione y

Verifica connettori

• Taglio e trazione (Nodo n. 21, CMB n. 22)

Conn.	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_1	VER
7	261.5	18849.6	1050.7	33929.2	0.035992	Ok
8	261.5	18849.6	1050.7	33929.2	0.035992	Ok
9	261.5	18849.6	635.6	33929.2	0.027253	Ok
10	261.5	18849.6	635.7	33929.2	0.027254	Ok
11	261.5	18849.6	220.6	33929.2	0.018515	Ok
12	261.5	18849.6	220.6	33929.2	0.018516	Ok
13	261.5	18849.6	0.0	33929.2	0.013872	Ok
14	261.5	18849.6	0.0	33929.2	0.013872	Ok

• Trazione (Nodo n. 21, CMB n. 22)

Conn.	$F_{t,Ed}$ [N]	$F_{t,Rd}$ [N]	FV_2	VER
7	1050.7	33929.2	0.030968	Ok
8	1050.7	33929.2	0.030969	Ok
9	635.6	33929.2	0.018734	Ok
10	635.7	33929.2	0.018735	Ok
11	220.6	33929.2	0.006501	Ok
12	220.6	33929.2	0.006502	Ok
13	0.0	33929.2	0.000000	Ok
14	0.0	33929.2	0.000000	Ok

• Legenda

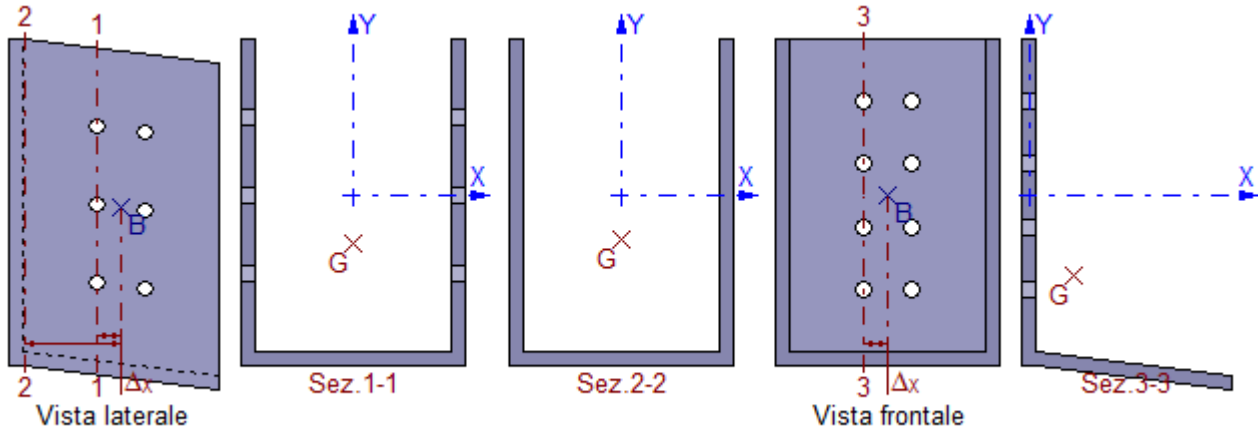
$F_{v,Ed}$ forza di taglio agente sul bullone

$F_{v,Rd}$ resistenza a taglio di progetto del bullone



$F_{t,Ed}$ forza di trazione agente sul bullone
 $F_{t,Rd}$ resistenza a trazione di progetto del bullone
 $FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$
 $FV_2 = F_{t,Ed} / F_{t,Rd}$
 VER $\rightarrow FV_i \leq 1$

Verifica scarpa



Caratteristiche sezioni

Sez.	Δx [mm]	Y_G [mm]	X_G [mm]	A [mm ²]	A_{vy} [mm ²]	A_{vx} [mm ²]	J_{xG} [mm ⁴]	W_{xG}^* [mm ³]	J_{yG} [mm ⁴]	W_{yG}^* [mm ³]
1-1	16.55	-34.67	0.00	5383.0	3872.3	1510.8	31941710	219587	24690350	308629
2-2	69.50	-30.89	0.00	6043.0	4532.3	1510.8	33998710	239975	28402850	355036
3-3	16.67	-56.61	31.83	3276.5	1846.7	1429.8	20479220	122335	6723870	182549

*valori minimi

Sollecitazioni massime

Sez.	Nodo.CMB	V_y [N]	V_x [N]	N [N]	M_y [N mm]	M_x [N mm]
1-1	21.22	-1045.9	0.0	0.0	0.0	540246.8
2-2	21.22	-1045.9	0.0	0.0	0.0	595627.2
3-3	21.22	-1045.9	0.0	0.0	-0.8	61007.3

Tensioni massime

Sez.	τ_{MED} [N/mm ²]	σ_{MAX} [N/mm ²]	σ_{ID} [N/mm ²]	FV	VER
1-1	0.54	2.46	2.63	0.01	Ok
2-2	0.46	2.48	2.61	0.01	Ok
3-3	0.57	0.50	1.10	0.00	Ok

Legenda

$FV = \sigma_{ID} / f_d$ ($f_d = f_{yk} / \gamma_{M0} = 338.10 \text{ N/mm}^2$)
 VER $\rightarrow FV \leq 1$

Trave lato 3-

Dimensioni sezione (B_{el} x H_{el}): 140 x 220 mm

Legno: C24* - UNI EN 338:2009

Essenza: conifere

Massa volumica:

$\rho_k = 350 \text{ Kg/m}^3$

Resistenza caratteristica a trazione parallela alle fibre:

$f_{t,0,k} = 14.00 \text{ N/mm}^2$

Resistenza caratteristica a trazione ortogonale alle fibre:

$f_{t,90,k} = 0.40 \text{ N/mm}^2$

Resistenza caratteristica a compressione parallela alle fibre:

$f_{c,0,k} = 21.00 \text{ N/mm}^2$

Resistenza caratteristica a compressione ortogonale alle fibre:

$f_{c,90,k} = 2.50 \text{ N/mm}^2$

Resistenza caratteristica a taglio:

$f_{v,k} = 4.00 \text{ N/mm}^2$

Resistenza caratteristica a flessione:

$f_{m,k} = 24.00 \text{ N/mm}^2$

Coefficiente correttivo k_{mod} :



Classe durata carico	permanente	lunga	media	breve	istantanea
Classe di servizio 1	0.60	0.70	0.80	0.90	1.00
Classe di servizio 2	0.60	0.70	0.80	0.90	1.00
Classe di servizio 3	0.50	0.55	0.65	0.70	0.90

Dati unione

Unione realizzata con l'utilizzo di una scarpa d'acciaio, fissata al continuo, nella quale è inserito l'elemento: la scarpa ha dimensioni ($S_s \times B_{el} \times H_s \times L_s$) 10 x 140 x 220 x 140 mm.

Materiale scarpa: Acciaio S355

Tensione caratteristica di snervamento: $f_{yk} = 355 \text{ N/mm}^2$
 Tensione caratteristica di rottura: $f_{tk} = 510 \text{ N/mm}^2$

Dati connettori elemento-scarpa

Bulloni: M10

Diametro $\varnothing = 10 \text{ mm}$
 Limite "Johansen" per E_{fune} $L_{Ef} = 25 \%$
 Numero $n = 6$ (3 righe e 2 colonne)

Materiale: Classe 8.8 (NTC08)

Tensione di snervamento: $f_{yb} = 649 \text{ N/mm}^2$
 Tensione di rottura: $f_{tb} = 800 \text{ N/mm}^2$

Dati connettori scarpa-continuo

Bulloni: M10

Diametro $\varnothing = 10 \text{ mm}$
 Limite "Johansen" per E_{fune} $L_{Ef} = 25 \%$
 Numero $n = 8$ (4 righe e 2 colonne)

Materiale: Classe 8.8 (NTC08)

Tensione di snervamento: $f_{yb} = 649 \text{ N/mm}^2$
 Tensione di rottura: $f_{tb} = 800 \text{ N/mm}^2$

Sollecitazioni nella sezione d'attacco dell'elemento:

N.C.D.	V2 [N]	V3 [N]	N [N]	M2 [N mm]	M3 [N mm]	T [N mm]
21.21.P	4532.1	0.0	-28269.2	-15.0	-427248.0	5.9
21.22.M	5552.3	0.1	-34388.9	-55.0	-544317.0	18.0
21.23.P	3647.8	0.0	-22803.1	9.1	-328719.0	-1.6
21.24.M	4668.0	0.0	-28922.9	-31.0	-445787.0	11.0
21.25.P	4998.9	0.0	-31324.4	45.0	-427439.0	-12.0
21.26.M	5509.0	0.0	-34384.3	25.0	-485974.0	-5.8
21.27.P	4114.7	-0.1	-25858.4	69.0	-328910.0	-19.0
21.28.M	4624.8	-0.1	-28918.3	49.0	-387444.0	-13.0
21.29.P	4532.1	0.0	-28269.2	-15.0	-427248.0	5.9
21.30.M	5042.2	0.0	-31329.1	-35.0	-485782.0	12.0
21.31.P	3647.8	0.0	-22803.1	9.1	-328719.0	-1.6
21.32.M	4157.9	0.0	-25863.0	-11.0	-387253.0	4.6
21.33.P	4532.1	0.0	-28269.2	-15.0	-427248.0	5.9
21.34.M	5042.2	0.0	-31329.1	-35.0	-485782.0	12.0
21.35.P	3647.8	0.0	-22803.1	9.1	-328719.0	-1.6
21.36.M	4157.9	0.0	-25863.0	-11.0	-387253.0	4.6
21.37.P	4532.1	0.0	-28269.2	-15.0	-427248.0	5.9
21.38.M	5042.2	0.0	-31329.1	-35.0	-485782.0	12.0
21.39.P	3647.8	0.0	-22803.1	9.1	-328719.0	-1.6
21.40.M	4157.9	0.0	-25863.0	-11.0	-387253.0	4.6
21.41.P	4532.1	0.0	-28269.2	-15.0	-427248.0	5.9
21.42.M	5042.2	0.0	-31329.1	-35.0	-485782.0	12.0
21.43.P	3647.8	0.0	-22803.1	9.1	-328719.0	-1.6
21.44.M	4157.9	0.0	-25863.0	-11.0	-387253.0	4.6
21.45.P	2947.5	0.1	-18220.2	-81.0	-328432.0	25.0
21.22.M*	14536.5	0.1	-31656.2	-57.8	-544317.0	2.7
21.25.P*	13184.7	0.0	-28850.9	46.6	-427439.0	0.5
21.26.M*	14493.6	0.0	-31663.3	25.6	-485974.0	1.1

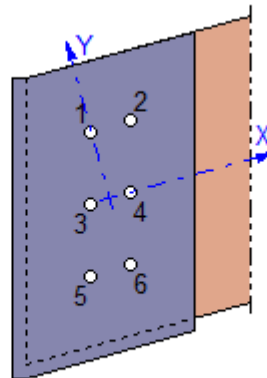
Nota: la prima colonna della tabella riporta il numero del nodo (N), il numero della combinazione (C) e l'iniziale



della classe di durata del carico (D: Permanente; Lunga durata; Media durata; Breve durata; Istantaneo).
 * le componenti della sollecitazione sono riferite ad un sistema di riferimento non inclinato.

Verifica unione elemento-scarpa

N	X [mm]	Y [mm]
1	-1.4	55.0
2	31.9	55.0
3	-16.7	0.0
4	16.7	0.0
5	-31.9	-55.0
6	1.4	-55.0



Verifiche "lato legno" (Nodo n. 21, CMB n. 25)

Capacità caratteristica a estrazione del bullone $F_{ax,Rk} = F_{cp,Rd} = 8712.0 \text{ N}$
 $F_{cp,Rd} = 3 \cdot f_{c,90,k} \cdot ((\min [4 \cdot \varnothing, 12 \cdot S_s])^2 - \varnothing^2) \cdot \pi / 4$ capacità di carico piastra
 $\varnothing_f = 11.0 \text{ mm}$ diametro del foro

Momento caratteristico di snervamento $M_{y,Rk} = 0.3 \cdot f_{tb} \cdot \varnothing^2 \cdot l = 95545.7 \text{ N mm}$

Resistenza caratteristica a rifollamento par. alle fibre $f_{h,0,k} = 0.082 \cdot (1 - 0.01 \cdot \varnothing) \cdot \rho_k = 25.83 \text{ N/mm}^2$
 Coefficiente di essenza legnosa $k_{90} = 1.35 + 0.015 \cdot \varnothing = 1.500$

Equazioni di Johansen: piastre "spesse" elementi esterni di una connessione a doppio taglio.

Conn.	$\alpha [^\circ]$	$f_{h,\alpha,k} [\text{N/mm}^2]$	$F_{v,Rk,l} [\text{N}]$	$F_{v,Rk,m} [\text{N}]$	$E_{fune,m} [\text{N}]$	$F_{v,Rk} [\text{N}]$
1	12.33473	25.25	17677.6	13475.9	2178.0	13475.9
2	25.93732	23.57	16502.5	13093.9	2178.0	13093.9
3	3.81800	25.77	18041.0	13591.4	2178.0	13591.4
4	14.16650	25.08	17555.2	13436.7	2178.0	13436.7
5	0.79806	25.83	18079.3	13603.5	2178.0	13603.5
6	7.30558	25.62	17936.0	13558.1	2178.0	13558.1

Legenda

α angolo di inclinazione del carico rispetto alle fibre
 $f_{h,\alpha,k} = f_{h,0,k} / (k_{90} \cdot \sin^2 \alpha + \cos^2 \alpha)$ resistenza caratteristica a rifollamento secondo α
 $F_{v,Rk,l} = 0.5 \cdot f_{h,\alpha,k} \cdot t \cdot \varnothing$
 $F_{v,Rk,m} = 2.3 \cdot (M_{y,Rk} \cdot f_{h,\alpha,k} \cdot \varnothing)^{0.5} + E_{fune,m}$
 $E_{fune,m} = \min [L_{Ef} \cdot F_{v,Rk,m}, F_{ax,Rk} / 4]$
 $F_{v,Rk} = \min [F_{v,Rk,l}, F_{v,Rk,m}]$ capacità di carico per piano di taglio

Verifica connettori

Conn.	$F_{v,Ed} [\text{N}]$	$F_{v,Rd} [\text{N}]$	FV	VER
1	1853.4	5390.4	0.343829	Ok
2	2013.4	5237.6	0.384411	Ok
3	2616.2	5436.6	0.481228	Ok
4	2692.3	5374.7	0.500922	Ok
5	3410.6	5441.4	0.626787	Ok
6	3438.2	5423.3	0.633969	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone per piano di taglio
 $F_{v,Rd} = k_{mod} \cdot F_{v,Rk} / \gamma_m$ resistenza di progetto del bullone per piano di taglio
 $FV = F_{v,Ed} / F_{v,Rd}$
 $VER \rightarrow FV \leq 1$



Verifiche "lato acciaio" (Nodo n. 21, CMB n. 23)

Calcolo resistenze

Resistenza a taglio dei bulloni		$F_{vb,Rd} = 0.5 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} =$		37699.1 N
Conn.	$F_{b,x,Rd}$ [N]	$F_{v,x,Rd}$ [N]	$F_{b,y,Rd}$ [N]	$F_{v,y,Rd}$ [N]
1	102000.0	37699.1	102000.0	37699.1
2	102000.0	37699.1	102000.0	37699.1
3	102000.0	37699.1	102000.0	37699.1
4	102000.0	37699.1	102000.0	37699.1
5	102000.0	37699.1	102000.0	37699.1
6	102000.0	37699.1	102000.0	37699.1

Legenda

$F_{b,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot S_s / \gamma_{M2}$ resistenza a rifollamento fianco scarpa in direzione x
 $F_{v,x,Rd} = \min [F_{vb,Rd} , F_{b,x,Rd}]$ resistenza a taglio di progetto in direzione x
 $F_{b,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \varnothing \cdot S_s / \gamma_{M2}$ resistenza a rifollamento fianco scarpa in direzione y
 $F_{v,y,Rd} = \min [F_{vb,Rd} , F_{b,y,Rd}]$ resistenza a taglio di progetto in direzione y

Verifica connettori

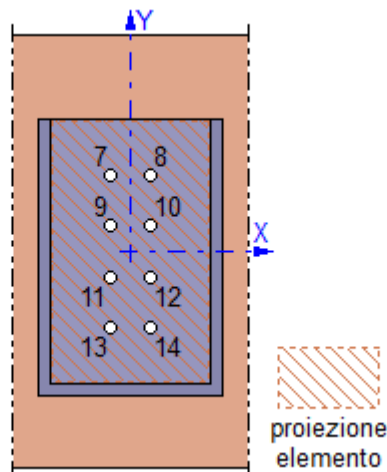
Conn.	$F_{v,Ed}$ [N]	$F_{v,Rd}$ [N]	FV	VER
1	1317.1	37699.1	0.034936	Ok
2	1445.1	37699.1	0.038333	Ok
3	1903.9	37699.1	0.050503	Ok
4	1962.5	37699.1	0.052057	Ok
5	2515.9	37699.1	0.066737	Ok
6	2535.6	37699.1	0.067260	Ok

Legenda

$F_{v,Ed}$ forza di taglio agente sul bullone
 $F_{v,Rd}$ resistenza a taglio di progetto del bullone
 $FV = F_{v,Ed} / F_{v,Rd}$
 $VER \rightarrow FV \leq 1$

Verifica unione scarpa-continuo

N	X [mm]	Y [mm]
7	-16.7	66.0
8	16.7	66.0
9	-16.7	22.0
10	16.7	22.0
11	-16.7	-22.0
12	16.7	-22.0
13	-16.7	-66.0
14	16.7	-66.0



Verifiche "lato legno" (Nodo n. 21, CMB n. 25)

Capacità caratteristica a estrazione del bullone $F_{ax,Rk} = F_{cp,Rd} =$ 8712.0 N

$F_{cp,Rd} = 3 \cdot f_{c,90,k} \cdot ((\min [4 \cdot \varnothing , 12 \cdot S_s])^2 - \varnothing^2) \cdot \pi / 4$ capacità di carico piastra
 $\varnothing_f = 11.0$ mm diametro del foro

Momento caratteristico di snervamento $M_{y,Rk} = 0.3 \cdot f_{tb} \cdot \varnothing^{2.6} = 95545.7$ N mm

Resistenza caratteristica a rifollamento par. alle fibre $f_{h,0,k} = 0.082 \cdot (1 - 0.01 \cdot \varnothing) \cdot \rho_k = 25.83$ N/mm²
 Coefficiente di essenza legnosa $k_{90} = 1.35 + 0.015 \cdot \varnothing = 1.500$

Equazioni di Johansen: piastra "spessa" in una connessione a singolo taglio.

Conn.	α [°]	$f_{h,\alpha,k}$ [N/mm ²]	$F_{v,Rk,c}$ [N]	$F_{v,Rk,d}$ [N]	$F_{v,Rk,e}$ [N]	$E_{fune,c}$ [N]	$E_{fune,d}$ [N]	$F_{v,Rk}$ [N]
7	89.99974	17.22	19857.0	11507.3	41328.0	2178.0	2178.0	11507.3



8	89.99974	17.22	19857.0	11507.3	41328.0	2178.0	2178.0	11507.3
9	89.99977	17.22	19857.0	11507.3	41328.0	2178.0	2178.0	11507.3
10	89.99977	17.22	19857.0	11507.3	41328.0	2178.0	2178.0	11507.3
11	89.99981	17.22	19857.0	11507.3	41328.0	2178.0	2178.0	11507.3
12	89.99981	17.22	19857.0	11507.3	41328.0	2178.0	2178.0	11507.3
13	89.99984	17.22	19857.0	11507.3	41328.0	2178.0	2178.0	11507.3
14	89.99984	17.22	19857.0	11507.3	41328.0	2178.0	2178.0	11507.3

Legenda

α angolo di inclinazione del carico rispetto alle fibre
 $f_{h,\alpha,k} = f_{h,0,k} / (k_{90} \cdot \sin^2\alpha + \cos^2\alpha)$ resistenza caratteristica a rifollamento secondo α
 $F_{v,Rk,c} = f_{h,\alpha,k} \cdot t \cdot \emptyset \cdot [(2 + 4 \cdot M_{y,Rk} / (f_{h,\alpha,k} \cdot \emptyset \cdot t^2))^{0.5} - 1] + E_{fune,c}$
 $F_{v,Rk,d} = 2.3 \cdot (M_{y,Rk} \cdot f_{h,\alpha,k} \cdot \emptyset)^{0.5} + E_{fune,d}$
 $F_{v,Rk,e} = f_{h,\alpha,k} \cdot t \cdot \emptyset$
 $E_{fune,c;d} = \min [L_{Ef} \cdot F_{v,Rk,c;d} , F_{ax,Rk} / 4]$
 $F_{v,Rk} = \min [F_{v,Rk,c} , F_{v,Rk,d} , F_{v,Rk,e}]$ capacità di carico per piano di taglio

Resistenza di progetto ad estrazione del bullone

$F_{ax,Rd} = k_{mod} \cdot F_{ax,Rk} / \gamma_m = 3484.8 \text{ N}$

Verifica connettori

Conn.	$F_{ax,Ed}$	$F_{v,Ed}$	$F_{v,Rd} \text{ [N]}$	FV	VER
7	824.7	1648.1	4602.9	0.594705	Ok
8	824.7	1648.1	4602.9	0.594699	Ok
9	498.9	1648.1	4602.9	0.501220	Ok
10	498.9	1648.1	4602.9	0.501214	Ok
11	173.1	1648.1	4602.9	0.407734	Ok
12	173.1	1648.1	4602.9	0.407728	Ok
13	0.0	1648.1	4602.9	0.358050	Ok
14	0.0	1648.1	4602.9	0.358050	Ok

Legenda

$F_{ax,Ed}$ forza assiale agente sul bullone
 $F_{v,Ed}$ forza di taglio agente sul bullone per piano di taglio
 $F_{v,Rd} = k_{mod} \cdot F_{v,Rk} / \gamma_m$ resistenza di progetto del bullone per piano di taglio
 $FV = F_{ax,Ed} / F_{ax,Rd} + F_{v,Ed} / F_{v,Rd}$
 VER $\rightarrow FV \leq 1$

Verifiche "lato acciaio"

Calcolo resistenze

Resistenza a trazione dei bulloni $F_{tb,Rd} = 0.9 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 33929.2 \text{ N}$
 Resistenza a punzonamento testa scarpa $B_{p,Rd} = 0.6 \cdot \pi \cdot d_m \cdot S_s \cdot f_{tk} / \gamma_{M2} = 130740.5 \text{ N}$
 Resistenza a trazione di progetto $F_{t,Rd} = \min [F_{tb,Rd} , B_{p,Rd}] = 33929.2 \text{ N}$

Resistenza a taglio dei bulloni $F_{vb,Rd} = 0.5 \cdot f_{tb} \cdot A_{res} / \gamma_{M2} = 18849.6 \text{ N}$

Conn.	$F_{b,x,Rd} \text{ [N]}$	$F_{v,x,Rd} \text{ [N]}$	$F_{b,y,Rd} \text{ [N]}$	$F_{v,y,Rd} \text{ [N]}$
7	102000.0	18849.6	102000.0	18849.6
8	102000.0	18849.6	102000.0	18849.6
9	102000.0	18849.6	102000.0	18849.6
10	102000.0	18849.6	102000.0	18849.6
11	102000.0	18849.6	102000.0	18849.6
12	102000.0	18849.6	102000.0	18849.6
13	102000.0	18849.6	102000.0	18849.6
14	102000.0	18849.6	102000.0	18849.6

Legenda

$F_{b,x,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot S_s / \gamma_{M2}$ resistenza a rifollamento testa scarpa in direzione x
 $F_{v,x,Rd} = \min [F_{vb,Rd} , F_{b,x,Rd}]$ resistenza a taglio di progetto in direzione x
 $F_{b,y,Rd} = k \cdot \alpha \cdot f_{tk} \cdot \emptyset \cdot S_s / \gamma_{M2}$ resistenza a rifollamento testa scarpa in direzione y
 $F_{v,y,Rd} = \min [F_{vb,Rd} , F_{b,y,Rd}]$ resistenza a taglio di progetto in direzione y

Verifica connettori

• Taglio e trazione (Nodo n. 21, CMB n. 22)



Conn.	F _{v,Ed} [N]	F _{v,Rd} [N]	F _{t,Ed} [N]	F _{t,Rd} [N]	FV ₁	VER
7	1817.1	18849.6	1050.7	33929.2	0.118519	Ok
8	1817.1	18849.6	1050.7	33929.2	0.118518	Ok
9	1817.1	18849.6	635.7	33929.2	0.109781	Ok
10	1817.1	18849.6	635.6	33929.2	0.109780	Ok
11	1817.1	18849.6	220.6	33929.2	0.101042	Ok
12	1817.1	18849.6	220.6	33929.2	0.101042	Ok
13	1817.1	18849.6	0.0	33929.2	0.096398	Ok
14	1817.1	18849.6	0.0	33929.2	0.096398	Ok

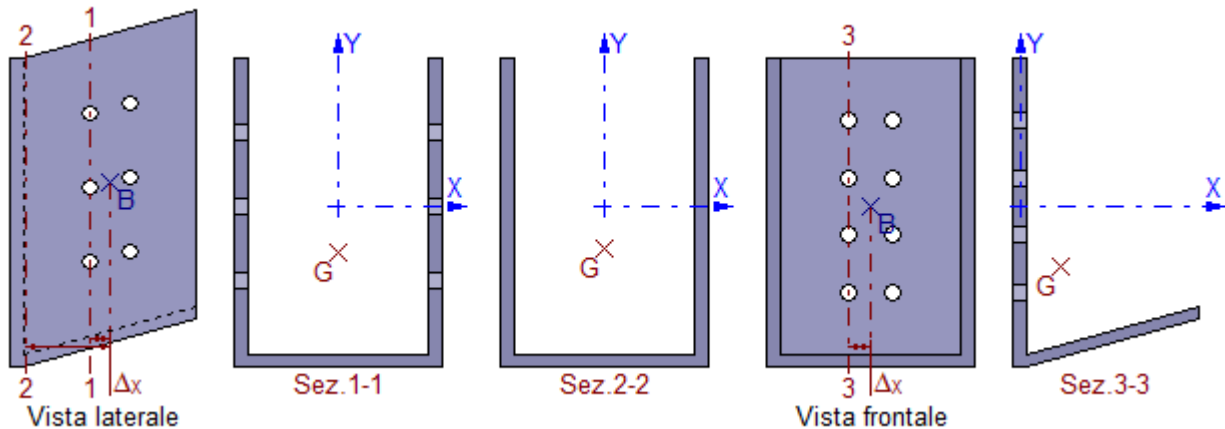
• Trazione (Nodo n. 21, CMB n. 22)

Conn.	F _{t,Ed} [N]	F _{t,Rd} [N]	FV ₂	VER
7	1050.7	33929.2	0.030969	Ok
8	1050.7	33929.2	0.030968	Ok
9	635.7	33929.2	0.018735	Ok
10	635.6	33929.2	0.018734	Ok
11	220.6	33929.2	0.006502	Ok
12	220.6	33929.2	0.006501	Ok
13	0.0	33929.2	0.000000	Ok
14	0.0	33929.2	0.000000	Ok

• Legenda

- F_{v,Ed} forza di taglio agente sul bullone
- F_{v,Rd} resistenza a taglio di progetto del bullone
- F_{t,Ed} forza di trazione agente sul bullone
- F_{t,Rd} resistenza a trazione di progetto del bullone
- $FV_1 = F_{v,Ed} / F_{v,Rd} + F_{t,Ed} / (1.4 \cdot F_{t,Rd})$
- $FV_2 = F_{t,Ed} / F_{t,Rd}$
- VER → FV_i ≤ 1

Verifica scarpa



Caratteristiche sezioni

Sez.	Δx [mm]	Y _G [mm]	X _G [mm]	A [mm ²]	A _{vY} [mm ²]	A _{vX} [mm ²]	J _{xG} [mm ⁴]	W _{xG} * [mm ³]	J _{yG} [mm ⁴]	W _{yG} * [mm ³]
1-1	16.06	-35.60	0.00	5566.2	4009.7	1556.6	35004530	233762	25553760	319422
2-2	67.45	-31.82	0.00	6226.2	4669.7	1556.6	37185430	254746	29266260	365828
3-3	16.67	-45.80	30.31	3346.7	1998.4	1348.3	17664350	110439	6418693	181782

*valori minimi

Sollecitazioni massime

Sez.	Nodo.CMB	V _y [N]	V _x [N]	N [N]	M _y [N mm]	M _x [N mm]
1-1	21.22	-7268.2	0.1	-31656.2	58.7	661041.0
2-2	21.22	-7268.2	0.1	-31656.2	61.6	1034572.0
3-3	21.26	-7246.8	-15831.8	0.0	-923471.2	422705.6

Tensioni massime

Sez.	τ _{MED} [N/mm ²]	σ _{MAX} [N/mm ²]	σ _{ID} [N/mm ²]	FV	VER
------	---------------------------------------	---------------------------------------	--------------------------------------	----	-----



1-1	3.63	-7.37	9.68	0.03	Ok
2-2	3.11	-7.66	9.37	0.03	Ok
3-3	12.29	14.78	25.91	0.08	Ok

Legenda

$FV = \sigma_{ID} / f_d$ ($f_d = f_{yk} / \gamma_{M0} = 338.10 \text{ N/mm}^2$)

VER $\rightarrow FV \leq 1$



VERIFICA GEOTECNICA E MURATURA ESISTENTE

Con il progetto della nuova copertura si interviene per semplificare ed ottimizzare la struttura .Il pannello di copertura sarà del tipo coibentato con una lamiera d'acciaio superiore. Di seguito si dimostra come si avrà un alleggerimento della nuova struttura rispetto alla copertura attualmente presente, con una conseguente riduzione del carico anche in fondazione. Per questo motivo la verifica geotecnica e sulla muratura esistente può essere considerata soddisfatta a priori.

- Ante Operam

PERMANENTE	Elemento	Tipologia	Materiale	Altezza	Larghezza	$\gamma(\text{daN/m}^3)$	daN/mq
		Peso proprio trave Principali	Strutturale	Legno	24	32	350
	Peso proprio trave Secondarie	Strutturale	Legno	14	22	350	10,78
	Tavolato in legno	Strutturale	Legno	3		350	10,5
	Pannello 10 cm	Non Strutturale	Misto	8			70
	Copertura in coppi	Non Strutturale	Laterizio				70
	Totale Gk						188,16
VARIABILI	Elemento	Tipologia	Materiale	Altezza	Larghezza	PESO(Kn/m ³)	daN/mq
	Neve						62
	Carico accidentale						50
	MAX Qk						62

- Post Operam

PERMANENTE	Elemento	Tipologia	Materiale	Altezza	Larghezza	$\gamma(\text{daN/m}^3)$	daN/mq
		Peso proprio trave Principali	Strutturale	Legno	24	32	350
	Peso proprio trave Secondarie	Strutturale	Legno	14	22	350	10,78
	Tavolato in legno	Strutturale	Legno	3		350	10,5
	Pannello 8 cm impermeabilizzazione+coibentazione	Non Strutturale	Misto	8			40
	Copertura in coppi	Non Strutturale	Laterizio				70
	Totale Gk						158,16
VARIABILI	Elemento	Tipologia	Materiale	Altezza	Larghezza	PESO(Kn/m ³)	daN/mq
	Neve						62
	Carico accidentale						50
	MAX Qk						62

Confrontando i pesi scaricati con la copertura ante-operam e quella post-operam si può osservare come la struttura sia stata complessivamente alleggerita del 19%.

$$:\eta = \frac{188.16 \text{ Kg}}{158.16 \text{ Kg}} = 1.189$$

Per questo motivo considera la verifica geotecnica e della muratura soddisfatta a priori.