Comune di Medolla
Comune di Medolla
E
COPIA CONFORME ALL'ORIGINALE DIGITALE
Protocollo N.0009342/2023 del 08/09/2023
Firmatario: YASSIN ELOUARDI

COMUNE DI MEDOLLA

FUTURA LA SCUOLA PER L'ITALIA DI DOMANI

MINISTRO DELL'ISTRUZIONE

UNITÀ DI MISSIONE PER IL PIANO NAZIONALE DI RIPRESA E RESILIENZA

PIANO NAZIONALE DI RIPRESA E RESILIENZA

MISSIONE 4: ISTRUZIONE E RICERCA

Componente 1 - Potenziamento dell'offerta dei servizi di istruzione; dagli asili nido alle Università

Investimento 1.2: Piano di estensione del tempo pieno e mense

PROGETTO DEFINITIVO-ESECUTIVO
LAVORI DI COSTRUZIONE NUOVA MENSA SCOLASTICA POLIVALENTE
CUP J75E22000400006

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ELABORATO

PROGETTO STRUTTURALE

TITOLO ELABORATO

RELAZIONE DI CALCOLO
ALLEGATO B - TABULATI CALCOLO SERVIZI

ST 4.1.4

scala	redazione	revisione	note
1:50	08 Agosto 2023		

ALLEGATO B – TABULATI NUMERICI
MODELLO DI CALCOLO CORPO SERVIZI

PRO_SAP

PROfessional Structural Analysis Program

Relazione di calcolo strutturale impostata e redatta secondo le modalità previste nel D.M. 17 Gennaio 2018 cap. 10 “Redazione dei progetti strutturali esecutivi e delle relazioni di calcolo”.

Origine e Caratteristiche dei Codici di Calcolo	
Codice di calcolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2022-10-198)
Produttore- Distributore:	2S.I. Software e Servizi per l’Ingegneria s.r.l. Via Garibaldi, 90 44121 Ferrara FE (Italy) Tel. +39 0532 200091 www.2si.it
Codice Licenza:	Licenza dsi4674

Descrizione	
Progetto	
Ubicazione	Comune di MEDOLLA (MO) (Regione EMILIA-ROMAGNA)
	Località MEDOLLA (MO)
	Longitudine 11.071, Latitudine 44.849
Progettista	

In merito al punto 10.2 delle Norme Tecniche per le Costruzioni (*Affidabilità dei codici utilizzati*), si fa riferimento al **Documento di Affidabilità** “Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST” disponibile per il download sul sito: https://www.2si.it/it/prodotti/affidabilita/

INTESTAZIONE E CONTENUTI DELLA RELAZIONE

Progetto

Contenuti della relazione:
RELAZIONE DI CALCOLO STRUTTURALE
- Origine e Caratteristiche dei Codici di Calcolo
- Affidabilità dei codici utilizzati
- Validazione dei codici
- Tipo di analisi svolta
- Modalità di presentazione dei risultati
- Informazioni generali sull'elaborazione
- Giudizio motivato di accettabilità dei risultati
STAMPA DEI DATI DI INGRESSO
- Normative prese a riferimento
- Criteri adottati per le misure di sicurezza
- Criteri seguiti nella schematizzazione della struttura, dei vincoli e delle sconessioni
- Interazione tra terreno e struttura
- Legami costitutivi adottati per la modellazione dei materiali e dei terreni
- Schematizzazione delle azioni, condizioni e combinazioni di carico
- Metodologie numeriche utilizzate per l' analisi strutturale
-Metodologie numeriche utilizzate per la progettazione e la verifica degli elementi strutturali
STAMPA DEI RISULTATI

Il Progettista:

7 settembre 2023

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RELAZIONE DI CALCOLO STRUTTURALE

Premessa

La presente relazione di calcolo strutturale, in conformità al §10.1 del DM 17/01/18, è comprensiva di una descrizione generale dell'opera e dei criteri generali di analisi e verifica. Segue inoltre le indicazioni fornite al §10.2 del DM stesso per quanto concerne analisi e verifiche svolte con l'ausilio di codici di calcolo.

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

Descrizione generale dell'opera

Descrizione generale dell'opera	
Fabbricato ad uso	
Ubicazione	Comune di MEDOLLA (MO) (Regione EMILIA-ROMAGNA)
	Località MEDOLLA (MO)
	Longitudine 11.071, Latitudine 44.849
Numero di piani	Fuori terra
	Interrati
	le dimensioni dell'opera in pianta sono racchiuse in un rettangolo di
Numero vani scale	
Numero vani ascensore	
Tipo di fondazione	

Principali caratteristiche della struttura	
Struttura regolare in pianta	
Struttura regolare in altezza	
Classe di duttilità	
Travi: ricalate o in spessore	
Pilastri	
Pilastri in falso	
Tipo di fondazione	
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]
IV	100.0	2.0	200.0

Fattore di struttura/comportamento
Completare

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. 17-01-2018
Progetto acciaio	D.M. 17-01-2018
Progetto legno	D.M. 17-01-2018
Progetto muratura	D.M. 17-01-2018
Azione sismica	
Norma applicata per l’ azione sismica	D.M. 17-01-2018

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:

K * u = F dove **K** = matrice di rigidezza

u = vettore spostamenti nodali

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 e relativi sottoparagrafi delle NTC-18, tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità

Tipo di analisi strutturale	
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
Analisi lineare	SI

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:	PROFESSIONAL (build 2022-10-198)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Codice Licenza:	Licenza dsi4674

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: https://www.2si.it/it/prodotti/affidabilita/

Modellazione della geometria e proprietà meccaniche:	
nodi	756
elementi D2 (per aste, travi, pilastri…)	176
elementi D3 (per pareti, platee, gusci…)	681
elementi solaio	20
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	-371.54
Xmax =	1687.35
Ymin =	1984.98
Ymax =	2507.82
Zmin =	-30.00
Zmax =	320.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	SI
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	SI
Solai senza la proprietà piano rigido	SI
Tipo di vincoli:	
Nodi vincolati rigidamente	NO
Nodi vincolati elasticamente	NO

Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	SI
Fondazioni di tipo platea	SI
Fondazioni con elementi solidi	NO

Modellazione delle azioni

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

Combinazioni e/o percorsi di carico

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

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

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.

Nella presente relazione di calcolo sono riportati i seguenti risultati che il progettista ritiene di interesse per la descrizione e la compresione del/i modello/i e del comportamento della struttura:

per l'analisi modale:

- periodi dei modi di vibrare della struttura
- masse eccitate dai singoli modi

- massa eccitata totale

deformate e sollecitazioni:

- spostamenti e rotazioni dei singoli nodi della struttura
- reazioni vincolari (nel caso siano presenti nodi vincolati rigidamente)
- pressioni sul terreno (nel caso siano presenti elementi di fondazione)
- sollecitazioni sugli elementi d2 nelle combinazioni di calcolo più significative
- tensioni sugli elementi d3 nelle combinazioni di calcolo più significative
- sollecitazioni sui macroelementi da elementi d3 nelle combinazioni di calcolo più significative

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 inviluppi delle azioni interne
- mappe delle tensioni
- reazioni vincolari
- mappe delle pressioni sul terreno

per il progetto-verifica degli elementi:

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

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

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

Verifiche agli stati limite ultimi

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

Verifiche agli stati limite di esercizio

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLE 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.

NORMATIVA DI RIFERIMENTO

1. D.Min. Infrastrutture Min. Interni e Prot. Civile 17 Gennaio 2018 e allegate "Norme tecniche per le costruzioni".
2. Circolare 21/01/19, n. 7 C.S.LL.PP "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"
3. D.Min. Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
4. 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".
5. 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>>".
6. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
7. 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.
8. 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.
9. D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
10. 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".
11. 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".
12. D.M. LL.PP. 3 Dicembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate".
13. UNI 9502 - Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
14. 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.
15. UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
16. UNI EN 1991-1-1:2004 01/08/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-1: Azioni in generale - Pesi per unità di volume, pesi propri e sovraccarichi per gli edifici.
17. UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.
18. UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.
19. UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.
20. UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.
21. 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.
22. 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.
23. 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.
24. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
25. 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.
26. 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.
27. 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.
28. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.
29. 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.
30. 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.

31. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
32. 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.
33. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.
34. 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.
35. CNR DT-200/2013 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzat
36. CNR DT-215/2018 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati a Matrice Inorganica

NOTA: il presente capitolo 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 normative antecedenti al DM 17.01.18 è dovuto alla progettazione simulata di edifico esistente.

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:

Young	modulo di elasticità normale E
Poisson	coefficiente di contrazione trasversale ni
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica
Fattore di confidenza FC m	Fattore di confidenza specifico per materiale; (è riportato solo se diverso da quello globale della struttura)
Fattore di confidenza FC a	Fattore di confidenza specifico per l'armatura (è riportato solo se diverso da quello globale della struttura)
Elasto-plastico	Materiale elastico perfettamente plastico per aste non lineari
Massima compressione	Massima tensione di compressione per aste non lineari
Massima trazione	Massima tensione di trazione per aste non lineari
Fattore attrito	Coefficinete di attrito per aste non lineari
Rapporto HRDb	Rapporto di hardening a flessione
Rapporto HRDv	Rapporto di hardening a taglio

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	c.a.		
		Resistenza Rc	resistenza a cmpressione cubica
		Resistenza fctm	resistenza media a trazione semplice
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio		
		Tensione ft	Valore della tensione di rottura
		Tensione fy	Valore della tensione di snervamento
		Resistenza fd	Resistenza di calcolo per SL CNR-UNI 10011
		Resistenza fd (>40)	Resistenza di calcolo per SL CNR-UNI 10011 per spessori > 40mm
		Tensione ammissibile	Tensione ammissibile CNR-UNI 10011
		Tensione ammissibile(>40)	Tensione ammissibile CNR-UNI 10011 per spessori > 40mm
3	muratura		
		Muratura consolidata	Muratura per la quale si prevedono interventi di rinforzo"
		Incremento resistenza	Incremento conseguito in termini di resistenza

		Incremento rigidezza	Incremento conseguito in termini di rigidezza
		Resistenza f	Valore della resistenza a compressione
		Resistenza fv0	Valore della resistenza a taglio in assenza di tensioni normali
		Resistenza fh	Valore della resistenza a compressione orizzontale
		Resistenza fb	Valore della resistenza a compressione dei blocchi
		Resistenza fbh	Valore della resistenza a compressione dei blocchi in direzione orizzontale
		Resistenza fv0h	Valore della resistenza a taglio in assenza di tensioni normali per le travi
		Resistenza ft	Valore della resistenza a trazione per fessurazione diagonale
		Resistenza fvlim	Valore della massima resistenza a taglio
		Resistenza fbt	Valore della resistenza a trazione dei blocchi
		Coefficiente mu	Coefficiente d'attrito utilizzato per la resistenza a taglio
		Coefficiente fi	Coefficiente d'ingranamento utilizzato per la resistenza a taglio
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
4	legno		
		E0,05	Modulo di elasticità corrispondente ad un frattile del 5%
		Resistenza fc0	Valore della resistenza a compressione parallela
		Resistenza ft0	Valore della resistenza a trazione parallela
		Resistenza fm	Valore della resistenza a flessione
		Resistenza fv	Valore della resistenza a taglio
		Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
		Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
		Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
		Modulo E0,05	Modulo elastico parallelo caratteristico
		Lamellare	lamellare o massiccio

Nel tabulato si riportano sia i valori caratteristici che medi utilizzando gli uni e/o gli altri in relazione alle richieste di normativa ed alla tipologia di verifica. (Cap.7 NTC18 per materiali nuovi, Cap.8 NTC18 e relativa circolare 21/01/2019 per materiali esistenti, Linee Guida Reluis per incamiciatura CAM, CNR-DT 200 per interventi con FRP, CNR-DT 215 per interventi con FRCM)

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

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
1	Calcestruzzo Classe C25/30			3.145e+05	0.20	1.310e+05	2.50e-03	1.00e-05	
	Resistenza Rc	300.0							
	Resistenza fctm		25.6						
	Rapporto Rfessurata (assiale)								1.00
	Rapporto Rfessurata (flessione)								1.00
	Rapporto Rfessurata (taglio)								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
23	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04			6.530e+04	0.0	2.612e+04	9.00e-04	1.00e-05	
	Resistenza f	65.3							
	Resistenza fh	32.6							
	Resistenza fv0	3.0							
	Resistenza fv0h	3.0							
	Resistenza tau0	1.5							
	Resistenza fvlim	9.4							
	Resistenza fb	144.0							
	Resistenza fbh	32.0							
	Resistenza fbt	10.0							
	Rapporto Rfessurata (assiale)								1.00
	Rapporto Rfessurata (flessione)								1.00

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
	Rapporto Rfessurata (taglio)								1.00
	Coefficiente ksb								0.85
	Coefficiente mu tilda								0.50
	Coefficiente fi								0.50
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05

Gusci c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Armatura						
Inclinazione Ax [gradi]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
Angolo Ax-Ay [gradi]	90.00	90.00	90.00	90.00	90.00	90.00
	90.00	90.00	90.00	90.00		
Minima tesa	0.31	0.10	0.13	2.000e-02	0.31	0.31
	0.10	0.31	0.31	0.31		
Massima tesa	0.78	4.00	4.00	4.00	0.78	0.78
	4.00	0.78	0.78	0.78		
Maglia unica centrale	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO		
Copriferro [cm]	2.00	3.00	2.00	2.00	2.00	2.00
	3.00	2.00	2.00	2.00		
Maglia x						
diametro	10	12	10	10	10	10
	12	10	10	10		
passo	20	20	20	20	20	20
	20	20	20	20		
diametro aggiuntivi	12	12	12	12	12	12
	12	12	12	12		
Maglia y						
diametro	10	12	10	10	10	10
	12	10	10	10		
passo	20	20	20	20	20	20
	20	20	20	20		
diametro aggiuntivi	12	12	12	12	12	12
	12	12	12	12		
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00	4500.00	4500.00		
Tipo acciaio	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C	tipo C	tipo C	tipo C		
Coefficiente gamma s	1.15	1.15	1.15	1.15	1.15	1.15
	1.15	1.15	1.15	1.15		
Coefficiente gamma c	1.50	1.50	1.50	1.50	1.50	1.50
	1.50	1.50	1.50	1.50		
Verifiche con N costante	SI	SI	SI	SI	SI	SI
	SI	SI	SI	SI		
Applica SLU da DIN	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO		
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50	97.50	97.50	97.50	97.50
	97.50	97.50	97.50	97.50		
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00	2600.00	2600.00	2600.00
	2600.00	2600.00	2600.00	2600.00		
Rapporto omogeneizzazione N	15.00	15.00	15.00	15.00	15.00	15.00
	15.00	15.00	15.00	15.00		
Massimo rapporto area compressa/tesa	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00		
Resistenza al fuoco						
3- intradosso	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO		
3+ estradosso	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO		
Tempo di esposizione R	15	15	15	15	15	15
	15	15	15	15		

Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetta a filo	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO		
Af inf: da q*L*L /	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
Armatura						
Minima tesa	0.31	0.20	0.13	2.000e-02	0.31	0.31
	0.20	0.31	0.31	0.31		
Minima compressa	0.31	0.20	0.13	2.000e-02	0.31	0.31
	0.20	0.31	0.31	0.31		
Massima tesa	0.78	4.00	4.00	4.00	0.78	0.78
	4.00	0.78	0.78	0.78		
Da sezione	SI	SI	SI	SI	SI	SI
	SI	SI	SI	SI		
Usa armatura teorica	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO		
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00	4500.00	4500.00		
Tensione fy staffe [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00	4500.00	4500.00		
Tipo acciaio	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C	tipo C	tipo C	tipo C		
Coefficiente gamma s	1.15	1.15	1.15	1.15	1.15	1.15
	1.15	1.15	1.15	1.15		
Coefficiente gamma c	1.50	1.50	1.50	1.50	1.50	1.50
	1.50	1.50	1.50	1.50		
Verifiche con N costante	SI	SI	SI	SI	SI	SI
	SI	SI	SI	SI		
Fattore di ridistribuzione	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
Modello per il confinamento						
Relazione tensio-deformativa	Mander	Mander	Mander	Mander	Mander	Mander
	Mander	Mander	Mander	Mander		
Incrudimento acciaio	5.000e-03	5.000e-03	5.000e-03	5.000e-03	5.000e-03	5.000e-03
	5.000e-03	5.000e-03	5.000e-03	5.000e-03		
Fattore lambda	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00		
epsilon max,s	4.000e-02	4.000e-02	4.000e-02	4.000e-02	4.000e-02	4.000e-02
	4.000e-02	4.000e-02	4.000e-02	4.000e-02		
epsilon cu2	4.500e-03	4.500e-03	4.500e-03	4.500e-03	4.500e-03	4.500e-03
	4.500e-03	4.500e-03	4.500e-03	4.500e-03		
epsilon c2	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
epsilon cy	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50	97.50	97.50	97.50	97.50
	97.50	97.50	97.50	97.50		
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00	2600.00	2600.00	2600.00
	2600.00	2600.00	2600.00	2600.00		
Rapporto omogeneizzazione N	15.00	15.00	15.00	15.00	15.00	15.00
	15.00	15.00	15.00	15.00		
Massimo rapporto area compressa/tesa	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00		
Staffe						
Diametro staffe	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	8.00	0.0	0.0		
Passo minimo [cm]	4.00	4.00	4.00	4.00	4.00	4.00
	20.00	4.00	4.00	4.00		
Passo massimo [cm]	30.00	20.00	30.00	30.00	30.00	30.00
	20.00	30.00	30.00	30.00		
Passo raffittito [cm]	15.00	20.00	15.00	15.00	15.00	15.00
	20.00	15.00	15.00	15.00		
Lunghezza zona raffittita [cm]	50.00	20.00	50.00	50.00	50.00	50.00
	50.00	50.00	50.00	50.00		
Ctg(Teta) Max	2.50	2.50	2.50	2.50	2.50	2.50
	2.50	2.50	2.50	2.50		
Percentuale sagomati	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
Luce di taglio per GR [cm]	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00		
Adotta scorrimento medio	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO		

Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Torsione non essenziale inclusa	NO	NO	SI	SI	SI	SI
	SI	NO	NO	SI		

Pilastri c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Privilegia lati	Privilegia lati	Privilegia lati	Privilegia lati	Privilegia lati	Privilegia lati
	Privilegia lati	Privilegia lati	Privilegia lati	Privilegia lati		
Progetta a filo	NO	NO	NO	SI	NO	NO
	NO	NO	NO	NO		
Effetti del 2 ordine	SI	SI	SI	SI	SI	SI
	SI	SI	SI	SI		
Beta per 2-2	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00		
Beta per 3-3	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00		
Armatura						
Massima tesa	4.00	4.00	4.00	4.00	4.00	4.00
	4.00	4.00	4.00	4.00		
Minima tesa	1.00	1.00	0.30	2.000e-02	1.00	1.00
	1.00	1.00	1.00	1.00		
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00	4500.00	4500.00		
Tensione fy staffe [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00	4500.00	4500.00		
Tipo acciaio	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C	tipo C	tipo C	tipo C		
Coefficiente gamma s	1.15	1.15	1.15	1.15	1.15	1.15
	1.15	1.15	1.15	1.15		
Coefficiente gamma c	1.50	1.50	1.50	1.50	1.50	1.50
	1.50	1.50	1.50	1.50		
Verifiche con N costante	SI	SI	SI	SI	SI	SI
	SI	SI	SI	SI		
Modello per il confinamento						
Relazione tensio-deformativa	Mander	Mander	Mander	Mander	Mander	Mander
	Mander	Mander	Mander	Mander		
Incrudimento acciaio	5.000e-03	5.000e-03	5.000e-03	5.000e-03	5.000e-03	5.000e-03
	5.000e-03	5.000e-03	5.000e-03	5.000e-03		
Fattore lambda	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00		
epsilon max,s	4.000e-02	4.000e-02	4.000e-02	4.000e-02	4.000e-02	4.000e-02
	4.000e-02	4.000e-02	4.000e-02	4.000e-02		
epsilon cu2	4.500e-03	4.500e-03	4.500e-03	4.500e-03	4.500e-03	4.500e-03
	4.500e-03	4.500e-03	4.500e-03	4.500e-03		
epsilon c2	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
epsilon cy	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50	97.50	97.50	97.50	97.50
	97.50	97.50	97.50	97.50		
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00	2600.00	2600.00	2600.00
	2600.00	2600.00	2600.00	2600.00		
Rapporto omogeneizzazione N	15.00	15.00	15.00	15.00	15.00	15.00
	15.00	15.00	15.00	15.00		
Staffe						
Diametro staffe	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
Passo minimo [cm]	5.00	5.00	5.00	5.00	5.00	5.00
	5.00	5.00	5.00	5.00		
Passo massimo [cm]	25.00	25.00	25.00	25.00	25.00	25.00
	25.00	25.00	25.00	25.00		
Passo raffittito [cm]	15.00	15.00	15.00	15.00	15.00	15.00
	15.00	15.00	15.00	15.00		
Lunghezza zona raffittita [cm]	45.00	45.00	45.00	45.00	45.00	45.00
	45.00	45.00	45.00	45.00		
Ctg(Teta) Max	2.50	2.50	2.50	2.50	2.50	2.50
	2.50	2.50	2.50	2.50		
Luce di taglio per GR [cm]	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00		

Pilastri c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Massimizza gerarchia	SI	SI	SI	SI	SI	SI
	SI	SI	SI	SI		

Solai e pannelli	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Usa tensioni ammissibili	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO		
Af inf: da traliccio	SI	SI	SI	SI	SI	SI
	SI	SI	SI	SI		
Consenti armatura a taglio	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO		
Incrementa armatura longitudinale per taglio	SI	SI	SI	SI	SI	SI
	SI	SI	SI	SI		
Af inf: da q*L*L /	20.00	20.00	20.00	20.00	20.00	20.00
	20.00	20.00	20.00	20.00		
Incremento fascia piena [cm]	5.00	5.00	5.00	5.00	5.00	5.00
	5.00	5.00	5.00	5.00		
Armatura						
Minima tesa	0.15	0.15	0.15	0.15	0.15	0.15
	0.15	0.15	0.15	0.15		
Massima tesa	3.00	3.00	3.00	3.00	3.00	3.00
	3.00	3.00	3.00	3.00		
Minima compressa	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
Af/h [cm]	7.000e-02	7.000e-02	7.000e-02	7.000e-02	7.000e-02	7.000e-02
	7.000e-02	7.000e-02	7.000e-02	7.000e-02		
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00	4500.00	4500.00		
Tipo acciaio	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C	tipo C	tipo C	tipo C		
Coefficiente gamma s	1.15	1.15	1.15	1.15	1.15	1.15
	1.15	1.15	1.15	1.15		
Coefficiente gamma c	1.50	1.50	1.50	1.50	1.50	1.50
	1.50	1.50	1.50	1.50		
Fattore di ridistribuzione	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	85.00	85.00	85.00	85.00	85.00	85.00
	85.00	85.00	85.00	85.00		
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00	2600.00	2600.00	2600.00
	2600.00	2600.00	2600.00	2600.00		
Rapporto omogeneizzazione N	15.00	15.00	15.00	15.00	15.00	15.00
	15.00	15.00	15.00	15.00		
Massimo rapporto area compressa/tesa	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00		
Verifica freccia						
Infinita	250.00	250.00	250.00	250.00	250.00	250.00
	250.00	250.00	250.00	250.00		
Istantanea	500.00	500.00	500.00	500.00	500.00	500.00
	500.00	500.00	500.00	500.00		
Fattore viscosità	3.00	3.00	3.00	3.00	3.00	3.00
	3.00	3.00	3.00	3.00		
Usa J non fessurato	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO		
Elementi non strutturali						
Tamponatura antiespulsione	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO		
Tamponatura con armatura	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO		
Fattore di struttura/comportamento	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00	2.00		
Coefficiente gamma m	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
Periodo Ta	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
Altezza pannello	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

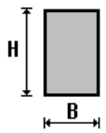
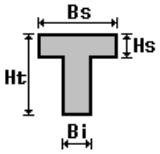
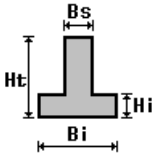
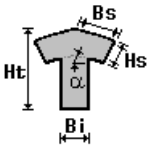
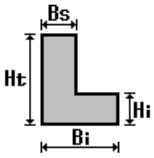
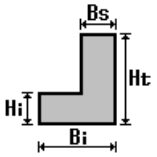
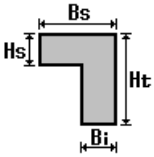
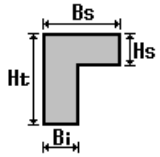
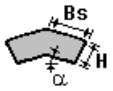
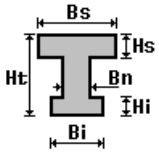
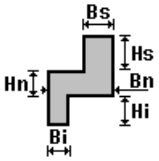
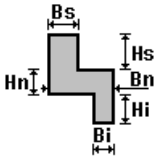
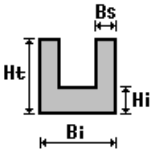
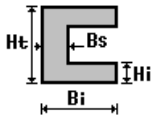
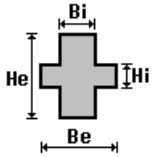
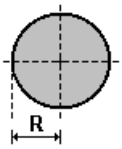
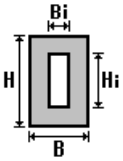
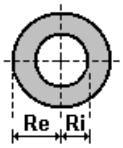
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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 profilatari.

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
1	Rettangolare: b=30 h=50	1500.00	1250.00	1250.00	2.799e+05	1.125e+05	3.125e+05	7500.00	1.250e+04	1.125e+04	1.875e+04
5	Cordolo fondazione-Rettangolare: b=40 h=40	1600.00	1333.33	1333.33	3.599e+05	2.133e+05	2.133e+05	1.067e+04	1.067e+04	1.600e+04	1.600e+04
8	Rettangolare: b=30 h=40	1200.00	1000.00	1000.00	1.946e+05	9.000e+04	1.600e+05	6000.00	8000.00	9000.00	1.200e+04
9	Rettangolare: b=30 h=40	1200.00	1000.00	1000.00	1.946e+05	9.000e+04	1.600e+05	6000.00	8000.00	9000.00	1.200e+04
10	Rettangolare: b=50 h=25	1250.00	1041.67	1041.67	1.784e+05	2.604e+05	6.510e+04	1.042e+04	5208.33	1.562e+04	7812.50
11	Rettangolare: b=50 h=25	1250.00	1041.67	1041.67	1.784e+05	2.604e+05	6.510e+04	1.042e+04	5208.33	1.562e+04	7812.50

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. 17/01/18

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	-7.79e-04	2507.8	-30.0	2	-7.79e-04	2507.8	320.0	3	373.1	2507.8	-30.0
4	373.1	2507.8	320.0	5	700.8	2507.8	-30.0	6	700.8	2507.8	320.0
7	700.8	1985.0	-30.0	8	700.8	1985.0	320.0	9	373.0	1985.0	-30.0
10	373.0	1985.0	320.0	11	-7.79e-04	1985.0	-30.0	12	-7.79e-04	1985.0	320.0
13	-371.5	1985.0	-30.0	14	-371.5	1985.0	320.0	15	-371.5	2507.8	-30.0
16	-371.5	2507.8	320.0	17	-7.79e-04	2025.0	-30.0	18	-11.5	2025.0	-30.0
19	-11.5	1985.0	-30.0	20	-51.5	2025.0	-30.0	21	-51.5	1985.0	-30.0
22	-91.5	2025.0	-30.0	23	-91.5	1985.0	-30.0	24	-131.5	2025.0	-30.0
25	-131.5	1985.0	-30.0	26	-171.5	2025.0	-30.0	27	-171.5	1985.0	-30.0
28	-211.5	2025.0	-30.0	29	-211.5	1985.0	-30.0	30	-251.5	2025.0	-30.0
31	-251.5	1985.0	-30.0	32	-291.5	2025.0	-30.0	33	-291.5	1985.0	-30.0
34	-331.5	2025.0	-30.0	35	-331.5	1985.0	-30.0	36	-371.5	2025.0	-30.0
37	-7.79e-04	2065.0	-30.0	38	-11.5	2065.0	-30.0	39	-51.5	2065.0	-30.0
40	-91.5	2065.0	-30.0	41	-131.5	2065.0	-30.0	42	-171.5	2065.0	-30.0
43	-211.5	2065.0	-30.0	44	-251.5	2065.0	-30.0	45	-291.5	2065.0	-30.0
46	-331.5	2065.0	-30.0	47	-371.5	2065.0	-30.0	48	-7.79e-04	2105.0	-30.0
49	-11.5	2105.0	-30.0	50	-51.5	2105.0	-30.0	51	-91.5	2105.0	-30.0
52	-131.5	2105.0	-30.0	53	-171.5	2105.0	-30.0	54	-211.5	2105.0	-30.0
55	-251.5	2105.0	-30.0	56	-291.5	2105.0	-30.0	57	-331.5	2105.0	-30.0
58	-371.5	2105.0	-30.0	59	-7.79e-04	2145.0	-30.0	60	-11.5	2145.0	-30.0

61	-51.5	2145.0	-30.0	62	-91.5	2145.0	-30.0	63	-131.5	2145.0	-30.0
64	-171.5	2145.0	-30.0	65	-211.5	2145.0	-30.0	66	-251.5	2145.0	-30.0
67	-291.5	2145.0	-30.0	68	-331.5	2145.0	-30.0	69	-371.5	2145.0	-30.0
70	-7.79e-04	2185.0	-30.0	71	-11.5	2185.0	-30.0	72	-51.5	2185.0	-30.0
73	-91.5	2185.0	-30.0	74	-131.5	2185.0	-30.0	75	-171.5	2185.0	-30.0
76	-211.5	2185.0	-30.0	77	-251.5	2185.0	-30.0	78	-291.5	2185.0	-30.0
79	-331.5	2185.0	-30.0	80	-371.5	2185.0	-30.0	81	-7.79e-04	2225.0	-30.0
82	-11.5	2225.0	-30.0	83	-51.5	2225.0	-30.0	84	-91.5	2225.0	-30.0
85	-131.5	2225.0	-30.0	86	-171.5	2225.0	-30.0	87	-211.5	2225.0	-30.0
88	-251.5	2225.0	-30.0	89	-291.5	2225.0	-30.0	90	-331.5	2225.0	-30.0
91	-371.5	2225.0	-30.0	92	-7.79e-04	2265.0	-30.0	93	-11.5	2265.0	-30.0
94	-51.5	2265.0	-30.0	95	-91.5	2265.0	-30.0	96	-131.5	2265.0	-30.0
97	-171.5	2265.0	-30.0	98	-211.5	2265.0	-30.0	99	-251.5	2265.0	-30.0
100	-291.5	2265.0	-30.0	101	-331.5	2265.0	-30.0	102	-371.5	2265.0	-30.0
103	-7.79e-04	2305.0	-30.0	104	-11.5	2305.0	-30.0	105	-51.5	2305.0	-30.0
106	-91.5	2305.0	-30.0	107	-131.5	2305.0	-30.0	108	-171.5	2305.0	-30.0
109	-211.5	2305.0	-30.0	110	-251.5	2305.0	-30.0	111	-291.5	2305.0	-30.0
112	-331.5	2305.0	-30.0	113	-371.5	2305.0	-30.0	114	-7.79e-04	2345.0	-30.0
115	-11.5	2345.0	-30.0	116	-51.5	2345.0	-30.0	117	-91.5	2345.0	-30.0
118	-131.5	2345.0	-30.0	119	-171.5	2345.0	-30.0	120	-211.5	2345.0	-30.0
121	-251.5	2345.0	-30.0	122	-291.5	2345.0	-30.0	123	-331.5	2345.0	-30.0
124	-371.5	2345.0	-30.0	125	-7.79e-04	2385.0	-30.0	126	-11.5	2385.0	-30.0
127	-51.5	2385.0	-30.0	128	-91.5	2385.0	-30.0	129	-131.5	2385.0	-30.0
130	-171.5	2385.0	-30.0	131	-211.5	2385.0	-30.0	132	-251.5	2385.0	-30.0
133	-291.5	2385.0	-30.0	134	-331.5	2385.0	-30.0	135	-371.5	2385.0	-30.0
136	-7.79e-04	2425.0	-30.0	137	-11.5	2425.0	-30.0	138	-51.5	2425.0	-30.0
139	-91.5	2425.0	-30.0	140	-131.5	2425.0	-30.0	141	-171.5	2425.0	-30.0
142	-211.5	2425.0	-30.0	143	-251.5	2425.0	-30.0	144	-291.5	2425.0	-30.0
145	-331.5	2425.0	-30.0	146	-371.5	2425.0	-30.0	147	-7.79e-04	2465.0	-30.0
148	-11.5	2465.0	-30.0	149	-51.5	2465.0	-30.0	150	-91.5	2465.0	-30.0
151	-131.5	2465.0	-30.0	152	-171.5	2465.0	-30.0	153	-211.5	2465.0	-30.0
154	-251.5	2465.0	-30.0	155	-291.5	2465.0	-30.0	156	-331.5	2465.0	-30.0
157	-371.5	2465.0	-30.0	158	-331.5	2507.8	-30.0	159	-11.5	2507.8	-30.0
160	-51.5	2507.8	-30.0	161	-91.5	2507.8	-30.0	162	-131.5	2507.8	-30.0
163	-171.5	2507.8	-30.0	164	-211.5	2507.8	-30.0	165	-251.5	2507.8	-30.0
166	-291.5	2507.8	-30.0	167	360.0	1985.0	-30.0	168	413.1	2345.0	-30.0
169	373.1	2025.0	-30.0	170	360.0	2025.0	-30.0	171	320.0	1985.0	-30.0
172	320.0	2025.0	-30.0	173	280.0	1985.0	-30.0	174	280.0	2025.0	-30.0
175	240.0	1985.0	-30.0	176	240.0	2025.0	-30.0	177	200.0	1985.0	-30.0
178	200.0	2025.0	-30.0	179	160.0	1985.0	-30.0	180	160.0	2025.0	-30.0
181	120.0	1985.0	-30.0	182	120.0	2025.0	-30.0	183	80.0	1985.0	-30.0
184	80.0	2025.0	-30.0	185	40.0	1985.0	-30.0	186	40.0	2025.0	-30.0
187	373.1	2065.0	-30.0	188	360.0	2065.0	-30.0	189	320.0	2065.0	-30.0
190	280.0	2065.0	-30.0	191	240.0	2065.0	-30.0	192	200.0	2065.0	-30.0
193	160.0	2065.0	-30.0	194	120.0	2065.0	-30.0	195	80.0	2065.0	-30.0
196	40.0	2065.0	-30.0	197	373.1	2105.0	-30.0	198	360.0	2105.0	-30.0
199	320.0	2105.0	-30.0	200	280.0	2105.0	-30.0	201	240.0	2105.0	-30.0
202	200.0	2105.0	-30.0	203	160.0	2105.0	-30.0	204	120.0	2105.0	-30.0
205	80.0	2105.0	-30.0	206	40.0	2105.0	-30.0	207	373.1	2145.0	-30.0
208	360.0	2145.0	-30.0	209	320.0	2145.0	-30.0	210	280.0	2145.0	-30.0
211	240.0	2145.0	-30.0	212	200.0	2145.0	-30.0	213	160.0	2145.0	-30.0
214	120.0	2145.0	-30.0	215	80.0	2145.0	-30.0	216	40.0	2145.0	-30.0
217	373.1	2185.0	-30.0	218	360.0	2185.0	-30.0	219	320.0	2185.0	-30.0
220	280.0	2185.0	-30.0	221	240.0	2185.0	-30.0	222	200.0	2185.0	-30.0
223	160.0	2185.0	-30.0	224	120.0	2185.0	-30.0	225	80.0	2185.0	-30.0
226	40.0	2185.0	-30.0	227	373.1	2225.0	-30.0	228	360.0	2225.0	-30.0
229	320.0	2225.0	-30.0	230	280.0	2225.0	-30.0	231	240.0	2225.0	-30.0
232	200.0	2225.0	-30.0	233	160.0	2225.0	-30.0	234	120.0	2225.0	-30.0
235	80.0	2225.0	-30.0	236	40.0	2225.0	-30.0	237	373.1	2265.0	-30.0
238	360.0	2265.0	-30.0	239	320.0	2265.0	-30.0	240	280.0	2265.0	-30.0
241	240.0	2265.0	-30.0	242	200.0	2265.0	-30.0	243	160.0	2265.0	-30.0
244	120.0	2265.0	-30.0	245	80.0	2265.0	-30.0	246	40.0	2265.0	-30.0
247	373.1	2305.0	-30.0	248	360.0	2305.0	-30.0	249	320.0	2305.0	-30.0
250	280.0	2305.0	-30.0	251	240.0	2305.0	-30.0	252	200.0	2305.0	-30.0
253	160.0	2305.0	-30.0	254	120.0	2305.0	-30.0	255	80.0	2305.0	-30.0
256	40.0	2305.0	-30.0	257	373.1	2345.0	-30.0	258	360.0	2345.0	-30.0
259	320.0	2345.0	-30.0	260	280.0	2345.0	-30.0	261	240.0	2345.0	-30.0
262	200.0	2345.0	-30.0	263	160.0	2345.0	-30.0	264	120.0	2345.0	-30.0
265	80.0	2345.0	-30.0	266	40.0	2345.0	-30.0	267	373.1	2385.0	-30.0
268	360.0	2385.0	-30.0	269	320.0	2385.0	-30.0	270	280.0	2385.0	-30.0
271	240.0	2385.0	-30.0	272	200.0	2385.0	-30.0	273	160.0	2385.0	-30.0
274	120.0	2385.0	-30.0	275	80.0	2385.0	-30.0	276	40.0	2385.0	-30.0
277	373.1	2425.0	-30.0	278	360.0	2425.0	-30.0	279	320.0	2425.0	-30.0
280	280.0	2425.0	-30.0	281	240.0	2425.0	-30.0	282	200.0	2425.0	-30.0
283	160.0	2425.0	-30.0	284	120.0	2425.0	-30.0	285	80.0	2425.0	-30.0
286	40.0	2425.0	-30.0	287	373.1	2465.0	-30.0	288	360.0	2465.0	-30.0
289	320.0	2465.0	-30.0	290	280.0	2465.0	-30.0	291	240.0	2465.0	-30.0

292	200.0	2465.0	-30.0	293	160.0	2465.0	-30.0	294	120.0	2465.0	-30.0
295	80.0	2465.0	-30.0	296	40.0	2465.0	-30.0	297	700.8	2425.0	-30.0
298	360.0	2507.8	-30.0	299	320.0	2507.8	-30.0	300	280.0	2507.8	-30.0
301	240.0	2507.8	-30.0	302	200.0	2507.8	-30.0	303	160.0	2507.8	-30.0
304	120.0	2507.8	-30.0	305	80.0	2507.8	-30.0	306	40.0	2507.8	-30.0
307	413.1	2425.0	-30.0	308	653.1	2507.8	-30.0	309	533.1	2507.8	-30.0
310	493.1	2507.8	-30.0	311	613.1	2507.8	-30.0	312	700.8	2025.0	-30.0
313	653.1	1985.0	-30.0	314	653.1	2025.0	-30.0	315	613.1	1985.0	-30.0
316	613.1	2025.0	-30.0	317	573.1	1985.0	-30.0	318	573.1	2025.0	-30.0
319	533.1	1985.0	-30.0	320	533.1	2025.0	-30.0	321	493.1	1985.0	-30.0
322	493.1	2025.0	-30.0	323	453.1	1985.0	-30.0	324	453.1	2025.0	-30.0
325	413.1	1985.0	-30.0	326	413.1	2025.0	-30.0	327	700.8	2385.0	-30.0
328	653.1	2385.0	-30.0	329	700.8	2465.0	-30.0	330	653.1	2465.0	-30.0
331	700.8	2065.0	-30.0	332	653.1	2065.0	-30.0	333	613.1	2065.0	-30.0
334	573.1	2065.0	-30.0	335	533.1	2065.0	-30.0	336	493.1	2065.0	-30.0
337	453.1	2065.0	-30.0	338	413.1	2065.0	-30.0	339	613.1	2385.0	-30.0
340	613.1	2425.0	-30.0	341	573.1	2425.0	-30.0	342	700.8	2105.0	-30.0
343	653.1	2105.0	-30.0	344	613.1	2105.0	-30.0	345	573.1	2105.0	-30.0
346	533.1	2105.0	-30.0	347	493.1	2105.0	-30.0	348	453.1	2105.0	-30.0
349	413.1	2105.0	-30.0	350	573.1	2385.0	-30.0	351	613.1	2465.0	-30.0
352	573.1	2465.0	-30.0	353	700.8	2145.0	-30.0	354	653.1	2145.0	-30.0
355	613.1	2145.0	-30.0	356	573.1	2145.0	-30.0	357	533.1	2145.0	-30.0
358	493.1	2145.0	-30.0	359	453.1	2145.0	-30.0	360	413.1	2145.0	-30.0
361	533.1	2385.0	-30.0	362	533.1	2465.0	-30.0	363	493.1	2465.0	-30.0
364	700.8	2185.0	-30.0	365	653.1	2185.0	-30.0	366	613.1	2185.0	-30.0
367	573.1	2185.0	-30.0	368	533.1	2185.0	-30.0	369	493.1	2185.0	-30.0
370	453.1	2185.0	-30.0	371	413.1	2185.0	-30.0	372	493.1	2385.0	-30.0
373	453.1	2465.0	-30.0	374	413.1	2465.0	-30.0	375	700.8	2225.0	-30.0
376	653.1	2225.0	-30.0	377	613.1	2225.0	-30.0	378	573.1	2225.0	-30.0
379	533.1	2225.0	-30.0	380	493.1	2225.0	-30.0	381	453.1	2225.0	-30.0
382	413.1	2225.0	-30.0	383	453.1	2385.0	-30.0	384	413.1	2385.0	-30.0
385	453.1	2507.8	-30.0	386	700.8	2265.0	-30.0	387	653.1	2265.0	-30.0
388	613.1	2265.0	-30.0	389	573.1	2265.0	-30.0	390	533.1	2265.0	-30.0
391	493.1	2265.0	-30.0	392	453.1	2265.0	-30.0	393	413.1	2265.0	-30.0
394	653.1	2425.0	-30.0	395	533.1	2425.0	-30.0	396	493.1	2425.0	-30.0
397	700.8	2305.0	-30.0	398	653.1	2305.0	-30.0	399	613.1	2305.0	-30.0
400	573.1	2305.0	-30.0	401	533.1	2305.0	-30.0	402	493.1	2305.0	-30.0
403	453.1	2305.0	-30.0	404	413.1	2305.0	-30.0	405	573.1	2507.8	-30.0
406	413.1	2507.8	-30.0	407	453.1	2425.0	-30.0	408	700.8	2345.0	-30.0
409	653.1	2345.0	-30.0	410	613.1	2345.0	-30.0	411	573.1	2345.0	-30.0
412	533.1	2345.0	-30.0	413	493.1	2345.0	-30.0	414	453.1	2345.0	-30.0
415	1687.3	2507.8	-30.0	416	1687.3	2507.8	320.0	417	1687.3	1985.0	-30.0
418	1687.3	1985.0	320.0	419	1356.4	2507.8	-30.0	420	1028.5	1985.0	-30.0
421	1028.5	1985.0	320.0	422	1028.7	2507.8	320.0	423	1596.4	2507.8	-30.0
424	1356.4	1985.0	320.0	425	1356.4	2507.8	320.0	426	1028.6	2507.8	-30.0
427	1356.4	1985.0	-30.0	428	940.8	2385.0	-30.0	429	980.8	2385.0	-30.0
430	980.8	2425.0	-30.0	431	940.8	2425.0	-30.0	432	900.8	2385.0	-30.0
433	900.8	2425.0	-30.0	434	860.8	2385.0	-30.0	435	860.8	2425.0	-30.0
436	980.8	1985.0	-30.0	437	1436.4	2345.0	-30.0	438	1028.6	2025.0	-30.0
439	980.8	2025.0	-30.0	440	940.8	1985.0	-30.0	441	940.8	2025.0	-30.0
442	900.8	1985.0	-30.0	443	900.8	2025.0	-30.0	444	860.8	1985.0	-30.0
445	860.8	2025.0	-30.0	446	820.8	1985.0	-30.0	447	820.8	2025.0	-30.0
448	780.8	1985.0	-30.0	449	780.8	2025.0	-30.0	450	740.8	1985.0	-30.0
451	740.8	2025.0	-30.0	452	860.8	2465.0	-30.0	453	900.8	2465.0	-30.0
454	900.8	2507.8	-30.0	455	860.8	2507.8	-30.0	456	1028.6	2385.0	-30.0
457	1028.6	2425.0	-30.0	458	820.8	2385.0	-30.0	459	820.8	2425.0	-30.0
460	780.8	2385.0	-30.0	461	780.8	2425.0	-30.0	462	1028.6	2065.0	-30.0
463	980.8	2065.0	-30.0	464	940.8	2065.0	-30.0	465	900.8	2065.0	-30.0
466	860.8	2065.0	-30.0	467	820.8	2065.0	-30.0	468	780.8	2065.0	-30.0
469	740.8	2065.0	-30.0	470	740.8	2385.0	-30.0	471	740.8	2425.0	-30.0
472	1028.6	2105.0	-30.0	473	980.8	2105.0	-30.0	474	940.8	2105.0	-30.0
475	900.8	2105.0	-30.0	476	860.8	2105.0	-30.0	477	820.8	2105.0	-30.0
478	780.8	2105.0	-30.0	479	740.8	2105.0	-30.0	480	820.8	2465.0	-30.0
481	820.8	2507.8	-30.0	482	780.8	2465.0	-30.0	483	780.8	2507.8	-30.0
484	1028.6	2145.0	-30.0	485	980.8	2145.0	-30.0	486	940.8	2145.0	-30.0
487	900.8	2145.0	-30.0	488	860.8	2145.0	-30.0	489	820.8	2145.0	-30.0
490	780.8	2145.0	-30.0	491	740.8	2145.0	-30.0	492	1028.6	2465.0	-30.0
493	980.8	2465.0	-30.0	494	940.8	2465.0	-30.0	495	1028.6	2185.0	-30.0
496	980.8	2185.0	-30.0	497	940.8	2185.0	-30.0	498	900.8	2185.0	-30.0
499	860.8	2185.0	-30.0	500	820.8	2185.0	-30.0	501	780.8	2185.0	-30.0
502	740.8	2185.0	-30.0	503	1028.6	2225.0	-30.0	504	980.8	2225.0	-30.0
505	940.8	2225.0	-30.0	506	900.8	2225.0	-30.0	507	860.8	2225.0	-30.0
508	820.8	2225.0	-30.0	509	780.8	2225.0	-30.0	510	740.8	2225.0	-30.0
511	1028.6	2265.0	-30.0	512	980.8	2265.0	-30.0	513	940.8	2265.0	-30.0
514	900.8	2265.0	-30.0	515	860.8	2265.0	-30.0	516	820.8	2265.0	-30.0
517	780.8	2265.0	-30.0	518	740.8	2265.0	-30.0	519	740.8	2465.0	-30.0
520	1028.6	2305.0	-30.0	521	980.8	2305.0	-30.0	522	940.8	2305.0	-30.0

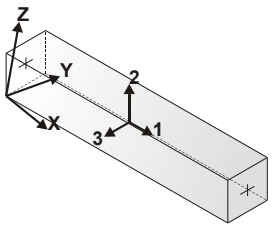
523	900.8	2305.0	-30.0	524	860.8	2305.0	-30.0	525	820.8	2305.0	-30.0
526	780.8	2305.0	-30.0	527	740.8	2305.0	-30.0	528	740.8	2507.8	-30.0
529	1028.6	2345.0	-30.0	530	980.8	2345.0	-30.0	531	940.8	2345.0	-30.0
532	900.8	2345.0	-30.0	533	860.8	2345.0	-30.0	534	820.8	2345.0	-30.0
535	780.8	2345.0	-30.0	536	740.8	2345.0	-30.0	537	1396.4	2345.0	-30.0
538	980.8	2507.8	-30.0	539	940.8	2507.8	-30.0	540	1268.6	2385.0	-30.0
541	1308.6	2385.0	-30.0	542	1308.6	2425.0	-30.0	543	1268.6	2425.0	-30.0
544	1228.6	2385.0	-30.0	545	1228.6	2425.0	-30.0	546	1188.6	2385.0	-30.0
547	1188.6	2425.0	-30.0	548	1308.6	2025.0	-30.0	549	1268.6	2025.0	-30.0
550	1228.6	2025.0	-30.0	551	1188.6	2025.0	-30.0	552	1148.6	2025.0	-30.0
553	1108.6	2025.0	-30.0	554	1068.6	2025.0	-30.0	555	1188.6	2465.0	-30.0
556	1228.6	2465.0	-30.0	557	1148.6	2385.0	-30.0	558	1148.6	2425.0	-30.0
559	1108.6	2385.0	-30.0	560	1108.6	2425.0	-30.0	561	1308.6	2065.0	-30.0
562	1268.6	2065.0	-30.0	563	1228.6	2065.0	-30.0	564	1188.6	2065.0	-30.0
565	1148.6	2065.0	-30.0	566	1108.6	2065.0	-30.0	567	1068.6	2065.0	-30.0
568	1068.6	2385.0	-30.0	569	1068.6	2425.0	-30.0	570	1308.6	2105.0	-30.0
571	1268.6	2105.0	-30.0	572	1228.6	2105.0	-30.0	573	1188.6	2105.0	-30.0
574	1148.6	2105.0	-30.0	575	1108.6	2105.0	-30.0	576	1068.6	2105.0	-30.0
577	1148.6	2465.0	-30.0	578	1108.6	2465.0	-30.0	579	1308.6	2145.0	-30.0
580	1268.6	2145.0	-30.0	581	1228.6	2145.0	-30.0	582	1188.6	2145.0	-30.0
583	1148.6	2145.0	-30.0	584	1108.6	2145.0	-30.0	585	1068.6	2145.0	-30.0
586	1308.6	2465.0	-30.0	587	1268.6	2465.0	-30.0	588	1308.6	2185.0	-30.0
589	1268.6	2185.0	-30.0	590	1228.6	2185.0	-30.0	591	1188.6	2185.0	-30.0
592	1148.6	2185.0	-30.0	593	1108.6	2185.0	-30.0	594	1068.6	2185.0	-30.0
595	1308.6	2225.0	-30.0	596	1268.6	2225.0	-30.0	597	1228.6	2225.0	-30.0
598	1188.6	2225.0	-30.0	599	1148.6	2225.0	-30.0	600	1108.6	2225.0	-30.0
601	1068.6	2225.0	-30.0	602	1308.6	2265.0	-30.0	603	1268.6	2265.0	-30.0
604	1228.6	2265.0	-30.0	605	1188.6	2265.0	-30.0	606	1148.6	2265.0	-30.0
607	1108.6	2265.0	-30.0	608	1068.6	2265.0	-30.0	609	1068.6	2465.0	-30.0
610	1308.6	2305.0	-30.0	611	1268.6	2305.0	-30.0	612	1228.6	2305.0	-30.0
613	1188.6	2305.0	-30.0	614	1148.6	2305.0	-30.0	615	1108.6	2305.0	-30.0
616	1068.6	2305.0	-30.0	617	1308.6	2345.0	-30.0	618	1268.6	2345.0	-30.0
619	1228.6	2345.0	-30.0	620	1188.6	2345.0	-30.0	621	1148.6	2345.0	-30.0
622	1108.6	2345.0	-30.0	623	1068.6	2345.0	-30.0	624	1596.4	2385.0	-30.0
625	1636.4	2385.0	-30.0	626	1636.4	2425.0	-30.0	627	1596.4	2425.0	-30.0
628	1556.4	2385.0	-30.0	629	1556.4	2425.0	-30.0	630	1516.4	2385.0	-30.0
631	1516.4	2425.0	-30.0	632	1636.4	2025.0	-30.0	633	1596.4	2025.0	-30.0
634	1556.4	2025.0	-30.0	635	1516.4	2025.0	-30.0	636	1476.4	2025.0	-30.0
637	1436.4	2025.0	-30.0	638	1396.4	2025.0	-30.0	639	1516.4	2465.0	-30.0
640	1556.4	2465.0	-30.0	641	1476.4	2385.0	-30.0	642	1476.4	2425.0	-30.0
643	1436.4	2385.0	-30.0	644	1436.4	2425.0	-30.0	645	1636.4	2065.0	-30.0
646	1596.4	2065.0	-30.0	647	1556.4	2065.0	-30.0	648	1516.4	2065.0	-30.0
649	1476.4	2065.0	-30.0	650	1436.4	2065.0	-30.0	651	1396.4	2065.0	-30.0
652	1396.4	2385.0	-30.0	653	1396.4	2425.0	-30.0	654	1636.4	2105.0	-30.0
655	1596.4	2105.0	-30.0	656	1556.4	2105.0	-30.0	657	1516.4	2105.0	-30.0
658	1476.4	2105.0	-30.0	659	1436.4	2105.0	-30.0	660	1396.4	2105.0	-30.0
661	1476.4	2465.0	-30.0	662	1436.4	2465.0	-30.0	663	1636.4	2145.0	-30.0
664	1596.4	2145.0	-30.0	665	1556.4	2145.0	-30.0	666	1516.4	2145.0	-30.0
667	1476.4	2145.0	-30.0	668	1436.4	2145.0	-30.0	669	1396.4	2145.0	-30.0
670	1636.4	2465.0	-30.0	671	1596.4	2465.0	-30.0	672	1636.4	2185.0	-30.0
673	1596.4	2185.0	-30.0	674	1556.4	2185.0	-30.0	675	1516.4	2185.0	-30.0
676	1476.4	2185.0	-30.0	677	1436.4	2185.0	-30.0	678	1396.4	2185.0	-30.0
679	1636.4	2225.0	-30.0	680	1596.4	2225.0	-30.0	681	1556.4	2225.0	-30.0
682	1516.4	2225.0	-30.0	683	1476.4	2225.0	-30.0	684	1436.4	2225.0	-30.0
685	1396.4	2225.0	-30.0	686	1636.4	2265.0	-30.0	687	1596.4	2265.0	-30.0
688	1556.4	2265.0	-30.0	689	1516.4	2265.0	-30.0	690	1476.4	2265.0	-30.0
691	1436.4	2265.0	-30.0	692	1396.4	2265.0	-30.0	693	1396.4	2465.0	-30.0
694	1636.4	2305.0	-30.0	695	1596.4	2305.0	-30.0	696	1556.4	2305.0	-30.0
697	1516.4	2305.0	-30.0	698	1476.4	2305.0	-30.0	699	1436.4	2305.0	-30.0
700	1396.4	2305.0	-30.0	701	1636.4	2345.0	-30.0	702	1596.4	2345.0	-30.0
703	1556.4	2345.0	-30.0	704	1516.4	2345.0	-30.0	705	1476.4	2345.0	-30.0
706	1308.6	1985.0	-30.0	707	1356.4	2025.0	-30.0	708	1268.6	1985.0	-30.0
709	1228.6	1985.0	-30.0	710	1188.6	1985.0	-30.0	711	1148.6	1985.0	-30.0
712	1108.6	1985.0	-30.0	713	1068.6	1985.0	-30.0	714	1228.6	2507.8	-30.0
715	1188.6	2507.8	-30.0	716	1356.4	2385.0	-30.0	717	1356.4	2425.0	-30.0
718	1356.4	2065.0	-30.0	719	1356.4	2105.0	-30.0	720	1148.6	2507.8	-30.0
721	1108.6	2507.8	-30.0	722	1356.4	2145.0	-30.0	723	1356.4	2465.0	-30.0
724	1356.4	2185.0	-30.0	725	1356.4	2225.0	-30.0	726	1356.4	2265.0	-30.0
727	1356.4	2305.0	-30.0	728	1068.6	2507.8	-30.0	729	1356.4	2345.0	-30.0
730	1308.6	2507.8	-30.0	731	1268.6	2507.8	-30.0	732	1636.4	1985.0	-30.0
733	1636.4	2507.8	-30.0	734	1687.3	2025.0	-30.0	735	1596.4	1985.0	-30.0
736	1556.4	1985.0	-30.0	737	1516.4	1985.0	-30.0	738	1476.4	1985.0	-30.0
739	1436.4	1985.0	-30.0	740	1396.4	1985.0	-30.0	741	1556.4	2507.8	-30.0
742	1516.4	2507.8	-30.0	743	1687.3	2385.0	-30.0	744	1687.3	2425.0	-30.0
745	1687.3	2065.0	-30.0	746	1687.3	2105.0	-30.0	747	1476.4	2507.8	-30.0
748	1436.4	2507.8	-30.0	749	1687.3	2145.0	-30.0	750	1687.3	2465.0	-30.0
751	1687.3	2185.0	-30.0	752	1687.3	2225.0	-30.0	753	1687.3	2265.0	-30.0

754	1687.3	2305.0	-30.0	755	1396.4	2507.8	-30.0	756	1687.3	2345.0	-30.0

MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

TABELLA DATI TRAVI

Il programma utilizza per la modellazione elementi a due nodi denominati in generale travi.
Ogni elemento trave è individuato dal nodo iniziale e dal nodo finale.
Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



orientamento elementi 2D non verticali

orientamento elementi 2D verticali

In particolare per ogni elemento viene indicato in tabella:

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

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Crit.	Rotaz.	Svincolo I	Svincolo J	Wink V	Wink O
							gradi			daN/cm3	daN/cm3
1	Pilas.	3	4	1	8	6					
2	Pilas.	5	6	1	8	6	90.00				
3	Pilas.	7	8	1	8	6	90.00				
4	Pilas.	9	10	1	8	6					
5	Pilas.	11	12	1	8	6					
6	Trave	12	10	1	9	9					
7	Trave	14	12	1	9	9					
8	Trave	14	16	1	9	1					
9	Trave	16	2	1	9	9					
10	Trave	2	4	1	9	9					
11	Trave	4	6	1	9	9					
12	Trave	8	6	1	10	1					
13	Trave	10	8	1	9	9					
14	Pilas.	13	14	1	8	10	90.00				
15	Pilas.	15	16	1	8	10	90.00				
16	Pilas.	1	2	1	8	6					
17	Trave f.	15	158	1	5	2				1.00	1.00
18	Trave f.	13	36	1	5	2				1.00	1.00
19	Trave f.	13	35	1	5	2				1.00	1.00
20	Trave f.	7	312	1	5	2				1.00	1.00
21	Trave f.	1	306	1	5	2				1.00	1.00
22	Trave f.	36	47	1	5	2				1.00	1.00
23	Trave f.	9	325	1	5	2				1.00	1.00
24	Trave f.	297	329	1	5	2				1.00	1.00
25	Trave f.	158	166	1	5	2				1.00	1.00
26	Trave f.	11	185	1	5	2				1.00	1.00
27	Trave f.	312	331	1	5	2				1.00	1.00
28	Trave f.	3	406	1	5	2				1.00	1.00
29	Trave f.	47	58	1	5	2				1.00	1.00
30	Trave f.	313	7	1	5	2				1.00	1.00
31	Trave f.	329	5	1	5	2				1.00	1.00
32	Trave f.	19	11	1	5	2				1.00	1.00
33	Trave f.	298	3	1	5	2				1.00	1.00
34	Trave f.	315	313	1	5	2				1.00	1.00
35	Trave f.	159	1	1	5	2				1.00	1.00
36	Trave f.	167	9	1	5	2				1.00	1.00
37	Trave f.	327	297	1	5	2				1.00	1.00
38	Trave f.	308	5	1	5	2				1.00	1.00
39	Trave f.	58	69	1	5	2				1.00	1.00
40	Trave f.	21	19	1	5	2				1.00	1.00
41	Trave f.	299	298	1	5	2				1.00	1.00
42	Trave f.	317	315	1	5	2				1.00	1.00
43	Trave f.	160	159	1	5	2				1.00	1.00
44	Trave f.	171	167	1	5	2				1.00	1.00
45	Trave f.	331	342	1	5	2				1.00	1.00
46	Trave f.	309	405	1	5	2				1.00	1.00
47	Trave f.	69	80	1	5	2				1.00	1.00
48	Trave f.	23	21	1	5	2				1.00	1.00
49	Trave f.	300	299	1	5	2				1.00	1.00
50	Trave f.	319	317	1	5	2				1.00	1.00
51	Trave f.	161	160	1	5	2				1.00	1.00
52	Trave f.	173	171	1	5	2				1.00	1.00
53	Trave f.	310	309	1	5	2				1.00	1.00
54	Trave f.	342	353	1	5	2				1.00	1.00
55	Trave f.	311	308	1	5	2				1.00	1.00
56	Trave f.	80	91	1	5	2				1.00	1.00
57	Trave f.	25	23	1	5	2				1.00	1.00
58	Trave f.	301	300	1	5	2				1.00	1.00
59	Trave f.	321	319	1	5	2				1.00	1.00
60	Trave f.	162	161	1	5	2				1.00	1.00
61	Trave f.	175	173	1	5	2				1.00	1.00
62	Trave f.	385	310	1	5	2				1.00	1.00
63	Trave f.	405	311	1	5	2				1.00	1.00
64	Trave f.	353	364	1	5	2				1.00	1.00
65	Trave f.	91	102	1	5	2				1.00	1.00
66	Trave f.	27	25	1	5	2				1.00	1.00
67	Trave f.	302	301	1	5	2				1.00	1.00
68	Trave f.	323	321	1	5	2				1.00	1.00
69	Trave f.	163	162	1	5	2				1.00	1.00
70	Trave f.	177	175	1	5	2				1.00	1.00
71	Trave f.	406	385	1	5	2				1.00	1.00
72	Trave f.	364	375	1	5	2				1.00	1.00
73	Trave f.	102	113	1	5	2				1.00	1.00

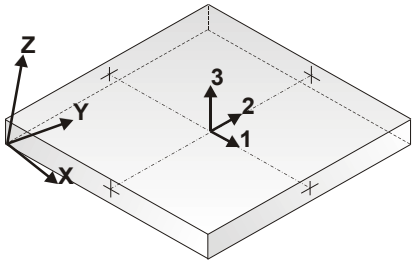
74	Trave f.	29	27	1	5	2			1.00	1.00
75	Trave f.	303	302	1	5	2			1.00	1.00
76	Trave f.	325	323	1	5	2			1.00	1.00
77	Trave f.	164	163	1	5	2			1.00	1.00
78	Trave f.	179	177	1	5	2			1.00	1.00
79	Trave f.	375	386	1	5	2			1.00	1.00
80	Trave f.	113	124	1	5	2			1.00	1.00
81	Trave f.	31	29	1	5	2			1.00	1.00
82	Trave f.	304	303	1	5	2			1.00	1.00
83	Trave f.	165	164	1	5	2			1.00	1.00
84	Trave f.	181	179	1	5	2			1.00	1.00
85	Trave f.	386	397	1	5	2			1.00	1.00
86	Trave f.	124	135	1	5	2			1.00	1.00
87	Trave f.	33	31	1	5	2			1.00	1.00
88	Trave f.	305	304	1	5	2			1.00	1.00
89	Trave f.	166	165	1	5	2			1.00	1.00
90	Trave f.	183	181	1	5	2			1.00	1.00
91	Trave f.	397	408	1	5	2			1.00	1.00
92	Trave f.	135	146	1	5	2			1.00	1.00
93	Trave f.	35	33	1	5	2			1.00	1.00
94	Trave f.	306	305	1	5	2			1.00	1.00
95	Trave f.	185	183	1	5	2			1.00	1.00
96	Trave f.	408	327	1	5	2			1.00	1.00
97	Trave f.	146	157	1	5	2			1.00	1.00
98	Trave f.	157	15	1	5	2			1.00	1.00
99	Trave	12	2	1	11	1				
100	Trave	10	4	1	11	1				
101	Pilas.	415	416	1	8	10	90.00			
102	Pilas.	417	418	1	8	10	90.00			
103	Trave	418	416	1	9	1				
104	Pilas.	426	422	1	8	6				
105	Pilas.	419	425	1	8	6				
106	Pilas.	420	421	1	8	6				
107	Trave	421	422	1	10	1				
108	Trave	6	422	1	9	9				
109	Trave	422	425	1	9	9				
110	Trave	425	416	1	9	9				
111	Trave	8	421	1	9	9				
112	Trave	421	424	1	9	9				
113	Trave	424	418	1	9	9				
114	Trave	424	425	1	10	1				
115	Pilas.	427	424	1	8	6				
116	Trave f.	7	450	1	5	2			1.00	1.00
117	Trave f.	420	713	1	5	2			1.00	1.00
118	Trave f.	427	740	1	5	2			1.00	1.00
119	Trave f.	417	734	1	5	2			1.00	1.00
120	Trave f.	419	755	1	5	2			1.00	1.00
121	Trave f.	426	728	1	5	2			1.00	1.00
122	Trave f.	5	528	1	5	2			1.00	1.00
123	Trave f.	436	420	1	5	2			1.00	1.00
124	Trave f.	706	427	1	5	2			1.00	1.00
125	Trave f.	732	417	1	5	2			1.00	1.00
126	Trave f.	734	745	1	5	2			1.00	1.00
127	Trave f.	733	415	1	5	2			1.00	1.00
128	Trave f.	714	731	1	5	2			1.00	1.00
129	Trave f.	454	539	1	5	2			1.00	1.00
130	Trave f.	440	436	1	5	2			1.00	1.00
131	Trave f.	708	706	1	5	2			1.00	1.00
132	Trave f.	735	732	1	5	2			1.00	1.00
133	Trave f.	741	423	1	5	2			1.00	1.00
134	Trave f.	715	714	1	5	2			1.00	1.00
135	Trave f.	455	454	1	5	2			1.00	1.00
136	Trave f.	743	744	1	5	2			1.00	1.00
137	Trave f.	730	419	1	5	2			1.00	1.00
138	Trave f.	538	426	1	5	2			1.00	1.00
139	Trave f.	442	440	1	5	2			1.00	1.00
140	Trave f.	709	708	1	5	2			1.00	1.00
141	Trave f.	736	735	1	5	2			1.00	1.00
142	Trave f.	742	741	1	5	2			1.00	1.00
143	Trave f.	720	715	1	5	2			1.00	1.00
144	Trave f.	481	455	1	5	2			1.00	1.00
145	Trave f.	745	746	1	5	2			1.00	1.00
146	Trave f.	731	730	1	5	2			1.00	1.00
147	Trave f.	539	538	1	5	2			1.00	1.00
148	Trave f.	423	733	1	5	2			1.00	1.00
149	Trave f.	744	750	1	5	2			1.00	1.00
150	Trave f.	444	442	1	5	2			1.00	1.00

151	Trave f.	710	709	1	5	2	1.00	1.00
152	Trave f.	737	736	1	5	2	1.00	1.00
153	Trave f.	747	742	1	5	2	1.00	1.00
154	Trave f.	721	720	1	5	2	1.00	1.00
155	Trave f.	483	481	1	5	2	1.00	1.00
156	Trave f.	746	749	1	5	2	1.00	1.00
157	Trave f.	750	415	1	5	2	1.00	1.00
158	Trave f.	446	444	1	5	2	1.00	1.00
159	Trave f.	711	710	1	5	2	1.00	1.00
160	Trave f.	738	737	1	5	2	1.00	1.00
161	Trave f.	748	747	1	5	2	1.00	1.00
162	Trave f.	728	721	1	5	2	1.00	1.00
163	Trave f.	528	483	1	5	2	1.00	1.00
164	Trave f.	749	751	1	5	2	1.00	1.00
165	Trave f.	448	446	1	5	2	1.00	1.00
166	Trave f.	712	711	1	5	2	1.00	1.00
167	Trave f.	739	738	1	5	2	1.00	1.00
168	Trave f.	755	748	1	5	2	1.00	1.00
169	Trave f.	751	752	1	5	2	1.00	1.00
170	Trave f.	450	448	1	5	2	1.00	1.00
171	Trave f.	713	712	1	5	2	1.00	1.00
172	Trave f.	740	739	1	5	2	1.00	1.00
173	Trave f.	752	753	1	5	2	1.00	1.00
174	Trave f.	753	754	1	5	2	1.00	1.00
175	Trave f.	754	756	1	5	2	1.00	1.00
176	Trave f.	756	743	1	5	2	1.00	1.00

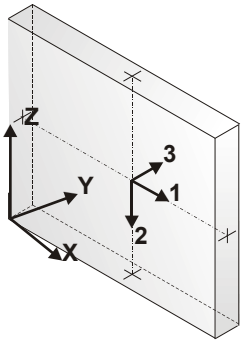
MODELLAZIONE STRUTTURA: ELEMENTI SHELL

LEGENDA TABELLA DATI SHELL

Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.
Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi).
Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



orientamento elementi 3D non verticali



orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

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

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
								cm		daN/cm3	daN/cm3
1	Guscio fond.	19	11	17		1	2	40.0		1.00	1.00
2	Guscio fond.	18	19	17		1	2	40.0		1.00	1.00
3	Guscio fond.	21	19	18	20	1	2	40.0		1.00	1.00
4	Guscio fond.	23	21	20	22	1	2	40.0		1.00	1.00
5	Guscio fond.	25	23	22	24	1	2	40.0		1.00	1.00
6	Guscio fond.	27	25	24	26	1	2	40.0		1.00	1.00
7	Guscio fond.	29	27	26	28	1	2	40.0		1.00	1.00
8	Guscio fond.	31	29	28	30	1	2	40.0		1.00	1.00
9	Guscio fond.	33	31	30	32	1	2	40.0		1.00	1.00
10	Guscio fond.	35	33	32	34	1	2	40.0		1.00	1.00
11	Guscio fond.	13	35	34		1	2	40.0		1.00	1.00
12	Guscio fond.	36	13	34		1	2	40.0		1.00	1.00
13	Guscio fond.	18	17	37	38	1	2	40.0		1.00	1.00
14	Guscio fond.	20	18	38	39	1	2	40.0		1.00	1.00
15	Guscio fond.	22	20	39	40	1	2	40.0		1.00	1.00
16	Guscio fond.	24	22	40	41	1	2	40.0		1.00	1.00
17	Guscio fond.	26	24	41	42	1	2	40.0		1.00	1.00
18	Guscio fond.	28	26	42	43	1	2	40.0		1.00	1.00
19	Guscio fond.	30	28	43	44	1	2	40.0		1.00	1.00
20	Guscio fond.	32	30	44	45	1	2	40.0		1.00	1.00
21	Guscio fond.	34	32	45	46	1	2	40.0		1.00	1.00
22	Guscio fond.	36	34	46	47	1	2	40.0		1.00	1.00
23	Guscio fond.	38	37	48	49	1	2	40.0		1.00	1.00
24	Guscio fond.	39	38	49	50	1	2	40.0		1.00	1.00
25	Guscio fond.	40	39	50	51	1	2	40.0		1.00	1.00
26	Guscio fond.	41	40	51	52	1	2	40.0		1.00	1.00
27	Guscio fond.	42	41	52	53	1	2	40.0		1.00	1.00
28	Guscio fond.	43	42	53	54	1	2	40.0		1.00	1.00
29	Guscio fond.	44	43	54	55	1	2	40.0		1.00	1.00
30	Guscio fond.	45	44	55	56	1	2	40.0		1.00	1.00
31	Guscio fond.	46	45	56	57	1	2	40.0		1.00	1.00
32	Guscio fond.	47	46	57	58	1	2	40.0		1.00	1.00
33	Guscio fond.	49	48	59	60	1	2	40.0		1.00	1.00
34	Guscio fond.	50	49	60	61	1	2	40.0		1.00	1.00
35	Guscio fond.	51	50	61	62	1	2	40.0		1.00	1.00
36	Guscio fond.	52	51	62	63	1	2	40.0		1.00	1.00
37	Guscio fond.	53	52	63	64	1	2	40.0		1.00	1.00
38	Guscio fond.	54	53	64	65	1	2	40.0		1.00	1.00
39	Guscio fond.	55	54	65	66	1	2	40.0		1.00	1.00
40	Guscio fond.	56	55	66	67	1	2	40.0		1.00	1.00
41	Guscio fond.	57	56	67	68	1	2	40.0		1.00	1.00
42	Guscio fond.	58	57	68	69	1	2	40.0		1.00	1.00
43	Guscio fond.	60	59	70	71	1	2	40.0		1.00	1.00
44	Guscio fond.	61	60	71	72	1	2	40.0		1.00	1.00
45	Guscio fond.	62	61	72	73	1	2	40.0		1.00	1.00
46	Guscio fond.	63	62	73	74	1	2	40.0		1.00	1.00
47	Guscio fond.	64	63	74	75	1	2	40.0		1.00	1.00
48	Guscio fond.	65	64	75	76	1	2	40.0		1.00	1.00
49	Guscio fond.	66	65	76	77	1	2	40.0		1.00	1.00
50	Guscio fond.	67	66	77	78	1	2	40.0		1.00	1.00
51	Guscio fond.	68	67	78	79	1	2	40.0		1.00	1.00
52	Guscio fond.	69	68	79	80	1	2	40.0		1.00	1.00
53	Guscio fond.	71	70	81	82	1	2	40.0		1.00	1.00
54	Guscio fond.	72	71	82	83	1	2	40.0		1.00	1.00
55	Guscio fond.	73	72	83	84	1	2	40.0		1.00	1.00
56	Guscio fond.	74	73	84	85	1	2	40.0		1.00	1.00
57	Guscio fond.	75	74	85	86	1	2	40.0		1.00	1.00
58	Guscio fond.	76	75	86	87	1	2	40.0		1.00	1.00
59	Guscio fond.	77	76	87	88	1	2	40.0		1.00	1.00
60	Guscio fond.	78	77	88	89	1	2	40.0		1.00	1.00
61	Guscio fond.	79	78	89	90	1	2	40.0		1.00	1.00
62	Guscio fond.	80	79	90	91	1	2	40.0		1.00	1.00
63	Guscio fond.	82	81	92	93	1	2	40.0		1.00	1.00
64	Guscio fond.	83	82	93	94	1	2	40.0		1.00	1.00
65	Guscio fond.	84	83	94	95	1	2	40.0		1.00	1.00
66	Guscio fond.	85	84	95	96	1	2	40.0		1.00	1.00
67	Guscio fond.	86	85	96	97	1	2	40.0		1.00	1.00
68	Guscio fond.	87	86	97	98	1	2	40.0		1.00	1.00
69	Guscio fond.	88	87	98	99	1	2	40.0		1.00	1.00
70	Guscio fond.	89	88	99	100	1	2	40.0		1.00	1.00
71	Guscio fond.	90	89	100	101	1	2	40.0		1.00	1.00
72	Guscio fond.	91	90	101	102	1	2	40.0		1.00	1.00
73	Guscio fond.	93	92	103	104	1	2	40.0		1.00	1.00

74	Guscio fond.	94	93	104	105	1	2	40.0	1.00	1.00
75	Guscio fond.	95	94	105	106	1	2	40.0	1.00	1.00
76	Guscio fond.	96	95	106	107	1	2	40.0	1.00	1.00
77	Guscio fond.	97	96	107	108	1	2	40.0	1.00	1.00
78	Guscio fond.	98	97	108	109	1	2	40.0	1.00	1.00
79	Guscio fond.	99	98	109	110	1	2	40.0	1.00	1.00
80	Guscio fond.	100	99	110	111	1	2	40.0	1.00	1.00
81	Guscio fond.	101	100	111	112	1	2	40.0	1.00	1.00
82	Guscio fond.	102	101	112	113	1	2	40.0	1.00	1.00
83	Guscio fond.	104	103	114	115	1	2	40.0	1.00	1.00
84	Guscio fond.	105	104	115	116	1	2	40.0	1.00	1.00
85	Guscio fond.	106	105	116	117	1	2	40.0	1.00	1.00
86	Guscio fond.	107	106	117	118	1	2	40.0	1.00	1.00
87	Guscio fond.	108	107	118	119	1	2	40.0	1.00	1.00
88	Guscio fond.	109	108	119	120	1	2	40.0	1.00	1.00
89	Guscio fond.	110	109	120	121	1	2	40.0	1.00	1.00
90	Guscio fond.	111	110	121	122	1	2	40.0	1.00	1.00
91	Guscio fond.	112	111	122	123	1	2	40.0	1.00	1.00
92	Guscio fond.	113	112	123	124	1	2	40.0	1.00	1.00
93	Guscio fond.	115	114	125	126	1	2	40.0	1.00	1.00
94	Guscio fond.	116	115	126	127	1	2	40.0	1.00	1.00
95	Guscio fond.	117	116	127	128	1	2	40.0	1.00	1.00
96	Guscio fond.	118	117	128	129	1	2	40.0	1.00	1.00
97	Guscio fond.	119	118	129	130	1	2	40.0	1.00	1.00
98	Guscio fond.	120	119	130	131	1	2	40.0	1.00	1.00
99	Guscio fond.	121	120	131	132	1	2	40.0	1.00	1.00
100	Guscio fond.	122	121	132	133	1	2	40.0	1.00	1.00
101	Guscio fond.	123	122	133	134	1	2	40.0	1.00	1.00
102	Guscio fond.	124	123	134	135	1	2	40.0	1.00	1.00
103	Guscio fond.	126	125	136	137	1	2	40.0	1.00	1.00
104	Guscio fond.	127	126	137	138	1	2	40.0	1.00	1.00
105	Guscio fond.	128	127	138	139	1	2	40.0	1.00	1.00
106	Guscio fond.	129	128	139	140	1	2	40.0	1.00	1.00
107	Guscio fond.	130	129	140	141	1	2	40.0	1.00	1.00
108	Guscio fond.	131	130	141	142	1	2	40.0	1.00	1.00
109	Guscio fond.	132	131	142	143	1	2	40.0	1.00	1.00
110	Guscio fond.	133	132	143	144	1	2	40.0	1.00	1.00
111	Guscio fond.	134	133	144	145	1	2	40.0	1.00	1.00
112	Guscio fond.	135	134	145	146	1	2	40.0	1.00	1.00
113	Guscio fond.	137	136	147	148	1	2	40.0	1.00	1.00
114	Guscio fond.	138	137	148	149	1	2	40.0	1.00	1.00
115	Guscio fond.	139	138	149	150	1	2	40.0	1.00	1.00
116	Guscio fond.	140	139	150	151	1	2	40.0	1.00	1.00
117	Guscio fond.	141	140	151	152	1	2	40.0	1.00	1.00
118	Guscio fond.	142	141	152	153	1	2	40.0	1.00	1.00
119	Guscio fond.	143	142	153	154	1	2	40.0	1.00	1.00
120	Guscio fond.	144	143	154	155	1	2	40.0	1.00	1.00
121	Guscio fond.	145	144	155	156	1	2	40.0	1.00	1.00
122	Guscio fond.	146	145	156	157	1	2	40.0	1.00	1.00
123	Guscio fond.	148	147	1	159	1	2	40.0	1.00	1.00
124	Guscio fond.	149	148	159	160	1	2	40.0	1.00	1.00
125	Guscio fond.	150	149	160	161	1	2	40.0	1.00	1.00
126	Guscio fond.	151	150	161	162	1	2	40.0	1.00	1.00
127	Guscio fond.	152	151	162	163	1	2	40.0	1.00	1.00
128	Guscio fond.	153	152	163	164	1	2	40.0	1.00	1.00
129	Guscio fond.	154	153	164	165	1	2	40.0	1.00	1.00
130	Guscio fond.	155	154	165	166	1	2	40.0	1.00	1.00
131	Guscio fond.	156	155	166	158	1	2	40.0	1.00	1.00
132	Guscio fond.	157	156	158	15	1	2	40.0	1.00	1.00
133	Guscio fond.	167	9	169		1	2	40.0	1.00	1.00
134	Guscio fond.	170	167	169		1	2	40.0	1.00	1.00
135	Guscio fond.	171	167	170	172	1	2	40.0	1.00	1.00
136	Guscio fond.	173	171	172	174	1	2	40.0	1.00	1.00
137	Guscio fond.	175	173	174	176	1	2	40.0	1.00	1.00
138	Guscio fond.	177	175	176	178	1	2	40.0	1.00	1.00
139	Guscio fond.	179	177	178	180	1	2	40.0	1.00	1.00
140	Guscio fond.	181	179	180	182	1	2	40.0	1.00	1.00
141	Guscio fond.	183	181	182	184	1	2	40.0	1.00	1.00
142	Guscio fond.	185	183	184	186	1	2	40.0	1.00	1.00
143	Guscio fond.	11	185	186		1	2	40.0	1.00	1.00
144	Guscio fond.	17	11	186		1	2	40.0	1.00	1.00
145	Guscio fond.	170	169	187	188	1	2	40.0	1.00	1.00
146	Guscio fond.	172	170	188	189	1	2	40.0	1.00	1.00
147	Guscio fond.	174	172	189	190	1	2	40.0	1.00	1.00
148	Guscio fond.	176	174	190	191	1	2	40.0	1.00	1.00
149	Guscio fond.	178	176	191	192	1	2	40.0	1.00	1.00
150	Guscio fond.	180	178	192	193	1	2	40.0	1.00	1.00

151Guscio fond.	182	180	193	194	1	2	40.0	1.00	1.00
152Guscio fond.	184	182	194	195	1	2	40.0	1.00	1.00
153Guscio fond.	186	184	195	196	1	2	40.0	1.00	1.00
154Guscio fond.	17	186	196	37	1	2	40.0	1.00	1.00
155Guscio fond.	188	187	197	198	1	2	40.0	1.00	1.00
156Guscio fond.	189	188	198	199	1	2	40.0	1.00	1.00
157Guscio fond.	190	189	199	200	1	2	40.0	1.00	1.00
158Guscio fond.	191	190	200	201	1	2	40.0	1.00	1.00
159Guscio fond.	192	191	201	202	1	2	40.0	1.00	1.00
160Guscio fond.	193	192	202	203	1	2	40.0	1.00	1.00
161Guscio fond.	194	193	203	204	1	2	40.0	1.00	1.00
162Guscio fond.	195	194	204	205	1	2	40.0	1.00	1.00
163Guscio fond.	196	195	205	206	1	2	40.0	1.00	1.00
164Guscio fond.	37	196	206	48	1	2	40.0	1.00	1.00
165Guscio fond.	198	197	207	208	1	2	40.0	1.00	1.00
166Guscio fond.	199	198	208	209	1	2	40.0	1.00	1.00
167Guscio fond.	200	199	209	210	1	2	40.0	1.00	1.00
168Guscio fond.	201	200	210	211	1	2	40.0	1.00	1.00
169Guscio fond.	202	201	211	212	1	2	40.0	1.00	1.00
170Guscio fond.	203	202	212	213	1	2	40.0	1.00	1.00
171Guscio fond.	204	203	213	214	1	2	40.0	1.00	1.00
172Guscio fond.	205	204	214	215	1	2	40.0	1.00	1.00
173Guscio fond.	206	205	215	216	1	2	40.0	1.00	1.00
174Guscio fond.	48	206	216	59	1	2	40.0	1.00	1.00
175Guscio fond.	208	207	217	218	1	2	40.0	1.00	1.00
176Guscio fond.	209	208	218	219	1	2	40.0	1.00	1.00
177Guscio fond.	210	209	219	220	1	2	40.0	1.00	1.00
178Guscio fond.	211	210	220	221	1	2	40.0	1.00	1.00
179Guscio fond.	212	211	221	222	1	2	40.0	1.00	1.00
180Guscio fond.	213	212	222	223	1	2	40.0	1.00	1.00
181Guscio fond.	214	213	223	224	1	2	40.0	1.00	1.00
182Guscio fond.	215	214	224	225	1	2	40.0	1.00	1.00
183Guscio fond.	216	215	225	226	1	2	40.0	1.00	1.00
184Guscio fond.	59	216	226	70	1	2	40.0	1.00	1.00
185Guscio fond.	218	217	227	228	1	2	40.0	1.00	1.00
186Guscio fond.	219	218	228	229	1	2	40.0	1.00	1.00
187Guscio fond.	220	219	229	230	1	2	40.0	1.00	1.00
188Guscio fond.	221	220	230	231	1	2	40.0	1.00	1.00
189Guscio fond.	222	221	231	232	1	2	40.0	1.00	1.00
190Guscio fond.	223	222	232	233	1	2	40.0	1.00	1.00
191Guscio fond.	224	223	233	234	1	2	40.0	1.00	1.00
192Guscio fond.	225	224	234	235	1	2	40.0	1.00	1.00
193Guscio fond.	226	225	235	236	1	2	40.0	1.00	1.00
194Guscio fond.	70	226	236	81	1	2	40.0	1.00	1.00
195Guscio fond.	228	227	237	238	1	2	40.0	1.00	1.00
196Guscio fond.	229	228	238	239	1	2	40.0	1.00	1.00
197Guscio fond.	230	229	239	240	1	2	40.0	1.00	1.00
198Guscio fond.	231	230	240	241	1	2	40.0	1.00	1.00
199Guscio fond.	232	231	241	242	1	2	40.0	1.00	1.00
200Guscio fond.	233	232	242	243	1	2	40.0	1.00	1.00
201Guscio fond.	234	233	243	244	1	2	40.0	1.00	1.00
202Guscio fond.	235	234	244	245	1	2	40.0	1.00	1.00
203Guscio fond.	236	235	245	246	1	2	40.0	1.00	1.00
204Guscio fond.	81	236	246	92	1	2	40.0	1.00	1.00
205Guscio fond.	238	237	247	248	1	2	40.0	1.00	1.00
206Guscio fond.	239	238	248	249	1	2	40.0	1.00	1.00
207Guscio fond.	240	239	249	250	1	2	40.0	1.00	1.00
208Guscio fond.	241	240	250	251	1	2	40.0	1.00	1.00
209Guscio fond.	242	241	251	252	1	2	40.0	1.00	1.00
210Guscio fond.	243	242	252	253	1	2	40.0	1.00	1.00
211Guscio fond.	244	243	253	254	1	2	40.0	1.00	1.00
212Guscio fond.	245	244	254	255	1	2	40.0	1.00	1.00
213Guscio fond.	246	245	255	256	1	2	40.0	1.00	1.00
214Guscio fond.	92	246	256	103	1	2	40.0	1.00	1.00
215Guscio fond.	248	247	257	258	1	2	40.0	1.00	1.00
216Guscio fond.	249	248	258	259	1	2	40.0	1.00	1.00
217Guscio fond.	250	249	259	260	1	2	40.0	1.00	1.00
218Guscio fond.	251	250	260	261	1	2	40.0	1.00	1.00
219Guscio fond.	252	251	261	262	1	2	40.0	1.00	1.00
220Guscio fond.	253	252	262	263	1	2	40.0	1.00	1.00
221Guscio fond.	254	253	263	264	1	2	40.0	1.00	1.00
222Guscio fond.	255	254	264	265	1	2	40.0	1.00	1.00
223Guscio fond.	256	255	265	266	1	2	40.0	1.00	1.00
224Guscio fond.	103	256	266	114	1	2	40.0	1.00	1.00
225Guscio fond.	258	257	267	268	1	2	40.0	1.00	1.00
226Guscio fond.	259	258	268	269	1	2	40.0	1.00	1.00
227Guscio fond.	260	259	269	270	1	2	40.0	1.00	1.00

228Guscio fond.	261	260	270	271	1	2	40.0	1.00	1.00
229Guscio fond.	262	261	271	272	1	2	40.0	1.00	1.00
230Guscio fond.	263	262	272	273	1	2	40.0	1.00	1.00
231Guscio fond.	264	263	273	274	1	2	40.0	1.00	1.00
232Guscio fond.	265	264	274	275	1	2	40.0	1.00	1.00
233Guscio fond.	266	265	275	276	1	2	40.0	1.00	1.00
234Guscio fond.	114	266	276	125	1	2	40.0	1.00	1.00
235Guscio fond.	268	267	277	278	1	2	40.0	1.00	1.00
236Guscio fond.	269	268	278	279	1	2	40.0	1.00	1.00
237Guscio fond.	270	269	279	280	1	2	40.0	1.00	1.00
238Guscio fond.	271	270	280	281	1	2	40.0	1.00	1.00
239Guscio fond.	272	271	281	282	1	2	40.0	1.00	1.00
240Guscio fond.	273	272	282	283	1	2	40.0	1.00	1.00
241Guscio fond.	274	273	283	284	1	2	40.0	1.00	1.00
242Guscio fond.	275	274	284	285	1	2	40.0	1.00	1.00
243Guscio fond.	276	275	285	286	1	2	40.0	1.00	1.00
244Guscio fond.	125	276	286	136	1	2	40.0	1.00	1.00
245Guscio fond.	278	277	287	288	1	2	40.0	1.00	1.00
246Guscio fond.	279	278	288	289	1	2	40.0	1.00	1.00
247Guscio fond.	280	279	289	290	1	2	40.0	1.00	1.00
248Guscio fond.	281	280	290	291	1	2	40.0	1.00	1.00
249Guscio fond.	282	281	291	292	1	2	40.0	1.00	1.00
250Guscio fond.	283	282	292	293	1	2	40.0	1.00	1.00
251Guscio fond.	284	283	293	294	1	2	40.0	1.00	1.00
252Guscio fond.	285	284	294	295	1	2	40.0	1.00	1.00
253Guscio fond.	286	285	295	296	1	2	40.0	1.00	1.00
254Guscio fond.	136	286	296	147	1	2	40.0	1.00	1.00
255Guscio fond.	288	287	3	298	1	2	40.0	1.00	1.00
256Guscio fond.	289	288	298	299	1	2	40.0	1.00	1.00
257Guscio fond.	290	289	299	300	1	2	40.0	1.00	1.00
258Guscio fond.	291	290	300	301	1	2	40.0	1.00	1.00
259Guscio fond.	292	291	301	302	1	2	40.0	1.00	1.00
260Guscio fond.	293	292	302	303	1	2	40.0	1.00	1.00
261Guscio fond.	294	293	303	304	1	2	40.0	1.00	1.00
262Guscio fond.	295	294	304	305	1	2	40.0	1.00	1.00
263Guscio fond.	296	295	305	306	1	2	40.0	1.00	1.00
264Guscio fond.	147	296	306	1	1	2	40.0	1.00	1.00
265Guscio fond.	339	328	394	340	1	2	40.0	1.00	1.00
266Guscio fond.	350	339	340	341	1	2	40.0	1.00	1.00
267Guscio fond.	361	350	341	395	1	2	40.0	1.00	1.00
268Guscio fond.	313	7	312	314	1	2	40.0	1.00	1.00
269Guscio fond.	315	313	314	316	1	2	40.0	1.00	1.00
270Guscio fond.	317	315	316	318	1	2	40.0	1.00	1.00
271Guscio fond.	319	317	318	320	1	2	40.0	1.00	1.00
272Guscio fond.	321	319	320	322	1	2	40.0	1.00	1.00
273Guscio fond.	323	321	322	324	1	2	40.0	1.00	1.00
274Guscio fond.	325	323	324	326	1	2	40.0	1.00	1.00
275Guscio fond.	9	325	326		1	2	40.0	1.00	1.00
276Guscio fond.	169	9	326		1	2	40.0	1.00	1.00
277Guscio fond.	372	361	395	396	1	2	40.0	1.00	1.00
278Guscio fond.	383	372	396	407	1	2	40.0	1.00	1.00
279Guscio fond.	314	312	331	332	1	2	40.0	1.00	1.00
280Guscio fond.	316	314	332	333	1	2	40.0	1.00	1.00
281Guscio fond.	318	316	333	334	1	2	40.0	1.00	1.00
282Guscio fond.	320	318	334	335	1	2	40.0	1.00	1.00
283Guscio fond.	322	320	335	336	1	2	40.0	1.00	1.00
284Guscio fond.	324	322	336	337	1	2	40.0	1.00	1.00
285Guscio fond.	326	324	337	338	1	2	40.0	1.00	1.00
286Guscio fond.	169	326	338	187	1	2	40.0	1.00	1.00
287Guscio fond.	384	383	407	307	1	2	40.0	1.00	1.00
288Guscio fond.	267	384	307	277	1	2	40.0	1.00	1.00
289Guscio fond.	332	331	342	343	1	2	40.0	1.00	1.00
290Guscio fond.	333	332	343	344	1	2	40.0	1.00	1.00
291Guscio fond.	334	333	344	345	1	2	40.0	1.00	1.00
292Guscio fond.	335	334	345	346	1	2	40.0	1.00	1.00
293Guscio fond.	336	335	346	347	1	2	40.0	1.00	1.00
294Guscio fond.	337	336	347	348	1	2	40.0	1.00	1.00
295Guscio fond.	338	337	348	349	1	2	40.0	1.00	1.00
296Guscio fond.	187	338	349	197	1	2	40.0	1.00	1.00
297Guscio fond.	363	362	309	310	1	2	40.0	1.00	1.00
298Guscio fond.	373	363	310	385	1	2	40.0	1.00	1.00
299Guscio fond.	343	342	353	354	1	2	40.0	1.00	1.00
300Guscio fond.	344	343	354	355	1	2	40.0	1.00	1.00
301Guscio fond.	345	344	355	356	1	2	40.0	1.00	1.00
302Guscio fond.	346	345	356	357	1	2	40.0	1.00	1.00
303Guscio fond.	347	346	357	358	1	2	40.0	1.00	1.00
304Guscio fond.	348	347	358	359	1	2	40.0	1.00	1.00

305Guscio fond.	349	348	359	360	1	2	40.0	1.00	1.00
306Guscio fond.	197	349	360	207	1	2	40.0	1.00	1.00
307Guscio fond.	394	297	329	330	1	2	40.0	1.00	1.00
308Guscio fond.	340	394	330	351	1	2	40.0	1.00	1.00
309Guscio fond.	354	353	364	365	1	2	40.0	1.00	1.00
310Guscio fond.	355	354	365	366	1	2	40.0	1.00	1.00
311Guscio fond.	356	355	366	367	1	2	40.0	1.00	1.00
312Guscio fond.	357	356	367	368	1	2	40.0	1.00	1.00
313Guscio fond.	358	357	368	369	1	2	40.0	1.00	1.00
314Guscio fond.	359	358	369	370	1	2	40.0	1.00	1.00
315Guscio fond.	360	359	370	371	1	2	40.0	1.00	1.00
316Guscio fond.	207	360	371	217	1	2	40.0	1.00	1.00
317Guscio fond.	341	340	351	352	1	2	40.0	1.00	1.00
318Guscio fond.	395	341	352	362	1	2	40.0	1.00	1.00
319Guscio fond.	365	364	375	376	1	2	40.0	1.00	1.00
320Guscio fond.	366	365	376	377	1	2	40.0	1.00	1.00
321Guscio fond.	367	366	377	378	1	2	40.0	1.00	1.00
322Guscio fond.	368	367	378	379	1	2	40.0	1.00	1.00
323Guscio fond.	369	368	379	380	1	2	40.0	1.00	1.00
324Guscio fond.	370	369	380	381	1	2	40.0	1.00	1.00
325Guscio fond.	371	370	381	382	1	2	40.0	1.00	1.00
326Guscio fond.	217	371	382	227	1	2	40.0	1.00	1.00
327Guscio fond.	396	395	362	363	1	2	40.0	1.00	1.00
328Guscio fond.	407	396	363	373	1	2	40.0	1.00	1.00
329Guscio fond.	376	375	386	387	1	2	40.0	1.00	1.00
330Guscio fond.	377	376	387	388	1	2	40.0	1.00	1.00
331Guscio fond.	378	377	388	389	1	2	40.0	1.00	1.00
332Guscio fond.	379	378	389	390	1	2	40.0	1.00	1.00
333Guscio fond.	380	379	390	391	1	2	40.0	1.00	1.00
334Guscio fond.	381	380	391	392	1	2	40.0	1.00	1.00
335Guscio fond.	382	381	392	393	1	2	40.0	1.00	1.00
336Guscio fond.	227	382	393	237	1	2	40.0	1.00	1.00
337Guscio fond.	307	407	373	374	1	2	40.0	1.00	1.00
338Guscio fond.	277	307	374	287	1	2	40.0	1.00	1.00
339Guscio fond.	387	386	397	398	1	2	40.0	1.00	1.00
340Guscio fond.	388	387	398	399	1	2	40.0	1.00	1.00
341Guscio fond.	389	388	399	400	1	2	40.0	1.00	1.00
342Guscio fond.	390	389	400	401	1	2	40.0	1.00	1.00
343Guscio fond.	391	390	401	402	1	2	40.0	1.00	1.00
344Guscio fond.	392	391	402	403	1	2	40.0	1.00	1.00
345Guscio fond.	393	392	403	404	1	2	40.0	1.00	1.00
346Guscio fond.	237	393	404	247	1	2	40.0	1.00	1.00
347Guscio fond.	374	373	385	406	1	2	40.0	1.00	1.00
348Guscio fond.	287	374	406	3	1	2	40.0	1.00	1.00
349Guscio fond.	398	397	408	409	1	2	40.0	1.00	1.00
350Guscio fond.	399	398	409	410	1	2	40.0	1.00	1.00
351Guscio fond.	400	399	410	411	1	2	40.0	1.00	1.00
352Guscio fond.	401	400	411	412	1	2	40.0	1.00	1.00
353Guscio fond.	402	401	412	413	1	2	40.0	1.00	1.00
354Guscio fond.	403	402	413	414	1	2	40.0	1.00	1.00
355Guscio fond.	404	403	414	168	1	2	40.0	1.00	1.00
356Guscio fond.	247	404	168	257	1	2	40.0	1.00	1.00
357Guscio fond.	330	329	5	308	1	2	40.0	1.00	1.00
358Guscio fond.	351	330	308	311	1	2	40.0	1.00	1.00
359Guscio fond.	409	408	327	328	1	2	40.0	1.00	1.00
360Guscio fond.	410	409	328	339	1	2	40.0	1.00	1.00
361Guscio fond.	411	410	339	350	1	2	40.0	1.00	1.00
362Guscio fond.	412	411	350	361	1	2	40.0	1.00	1.00
363Guscio fond.	413	412	361	372	1	2	40.0	1.00	1.00
364Guscio fond.	414	413	372	383	1	2	40.0	1.00	1.00
365Guscio fond.	168	414	383	384	1	2	40.0	1.00	1.00
366Guscio fond.	257	168	384	267	1	2	40.0	1.00	1.00
367Guscio fond.	352	351	311	405	1	2	40.0	1.00	1.00
368Guscio fond.	362	352	405	309	1	2	40.0	1.00	1.00
369Guscio fond.	328	327	297	394	1	2	40.0	1.00	1.00
370Guscio fond.	428	429	430	431	1	2	40.0	1.00	1.00
371Guscio fond.	432	428	431	433	1	2	40.0	1.00	1.00
372Guscio fond.	434	432	433	435	1	2	40.0	1.00	1.00
373Guscio fond.	436	420	438	439	1	2	40.0	1.00	1.00
374Guscio fond.	440	436	439	441	1	2	40.0	1.00	1.00
375Guscio fond.	442	440	441	443	1	2	40.0	1.00	1.00
376Guscio fond.	444	442	443	445	1	2	40.0	1.00	1.00
377Guscio fond.	446	444	445	447	1	2	40.0	1.00	1.00
378Guscio fond.	448	446	447	449	1	2	40.0	1.00	1.00
379Guscio fond.	450	448	449	451	1	2	40.0	1.00	1.00
380Guscio fond.	452	453	454	455	1	2	40.0	1.00	1.00
381Guscio fond.	429	456	457	430	1	2	40.0	1.00	1.00

382Guscio fond.	458	434	435	459	1	2	40.0	1.00	1.00
383Guscio fond.	460	458	459	461	1	2	40.0	1.00	1.00
384Guscio fond.	439	438	462	463	1	2	40.0	1.00	1.00
385Guscio fond.	441	439	463	464	1	2	40.0	1.00	1.00
386Guscio fond.	443	441	464	465	1	2	40.0	1.00	1.00
387Guscio fond.	445	443	465	466	1	2	40.0	1.00	1.00
388Guscio fond.	447	445	466	467	1	2	40.0	1.00	1.00
389Guscio fond.	449	447	467	468	1	2	40.0	1.00	1.00
390Guscio fond.	451	449	468	469	1	2	40.0	1.00	1.00
391Guscio fond.	312	451	469	331	1	2	40.0	1.00	1.00
392Guscio fond.	470	460	461	471	1	2	40.0	1.00	1.00
393Guscio fond.	327	470	471	297	1	2	40.0	1.00	1.00
394Guscio fond.	463	462	472	473	1	2	40.0	1.00	1.00
395Guscio fond.	464	463	473	474	1	2	40.0	1.00	1.00
396Guscio fond.	465	464	474	475	1	2	40.0	1.00	1.00
397Guscio fond.	466	465	475	476	1	2	40.0	1.00	1.00
398Guscio fond.	467	466	476	477	1	2	40.0	1.00	1.00
399Guscio fond.	468	467	477	478	1	2	40.0	1.00	1.00
400Guscio fond.	469	468	478	479	1	2	40.0	1.00	1.00
401Guscio fond.	331	469	479	342	1	2	40.0	1.00	1.00
402Guscio fond.	480	452	455	481	1	2	40.0	1.00	1.00
403Guscio fond.	482	480	481	483	1	2	40.0	1.00	1.00
404Guscio fond.	473	472	484	485	1	2	40.0	1.00	1.00
405Guscio fond.	474	473	485	486	1	2	40.0	1.00	1.00
406Guscio fond.	475	474	486	487	1	2	40.0	1.00	1.00
407Guscio fond.	476	475	487	488	1	2	40.0	1.00	1.00
408Guscio fond.	477	476	488	489	1	2	40.0	1.00	1.00
409Guscio fond.	478	477	489	490	1	2	40.0	1.00	1.00
410Guscio fond.	479	478	490	491	1	2	40.0	1.00	1.00
411Guscio fond.	342	479	491	353	1	2	40.0	1.00	1.00
412Guscio fond.	430	457	492	493	1	2	40.0	1.00	1.00
413Guscio fond.	431	430	493	494	1	2	40.0	1.00	1.00
414Guscio fond.	485	484	495	496	1	2	40.0	1.00	1.00
415Guscio fond.	486	485	496	497	1	2	40.0	1.00	1.00
416Guscio fond.	487	486	497	498	1	2	40.0	1.00	1.00
417Guscio fond.	488	487	498	499	1	2	40.0	1.00	1.00
418Guscio fond.	489	488	499	500	1	2	40.0	1.00	1.00
419Guscio fond.	490	489	500	501	1	2	40.0	1.00	1.00
420Guscio fond.	491	490	501	502	1	2	40.0	1.00	1.00
421Guscio fond.	353	491	502	364	1	2	40.0	1.00	1.00
422Guscio fond.	433	431	494	453	1	2	40.0	1.00	1.00
423Guscio fond.	435	433	453	452	1	2	40.0	1.00	1.00
424Guscio fond.	496	495	503	504	1	2	40.0	1.00	1.00
425Guscio fond.	497	496	504	505	1	2	40.0	1.00	1.00
426Guscio fond.	498	497	505	506	1	2	40.0	1.00	1.00
427Guscio fond.	499	498	506	507	1	2	40.0	1.00	1.00
428Guscio fond.	500	499	507	508	1	2	40.0	1.00	1.00
429Guscio fond.	501	500	508	509	1	2	40.0	1.00	1.00
430Guscio fond.	502	501	509	510	1	2	40.0	1.00	1.00
431Guscio fond.	364	502	510	375	1	2	40.0	1.00	1.00
432Guscio fond.	459	435	452	480	1	2	40.0	1.00	1.00
433Guscio fond.	461	459	480	482	1	2	40.0	1.00	1.00
434Guscio fond.	504	503	511	512	1	2	40.0	1.00	1.00
435Guscio fond.	505	504	512	513	1	2	40.0	1.00	1.00
436Guscio fond.	506	505	513	514	1	2	40.0	1.00	1.00
437Guscio fond.	507	506	514	515	1	2	40.0	1.00	1.00
438Guscio fond.	508	507	515	516	1	2	40.0	1.00	1.00
439Guscio fond.	509	508	516	517	1	2	40.0	1.00	1.00
440Guscio fond.	510	509	517	518	1	2	40.0	1.00	1.00
441Guscio fond.	375	510	518	386	1	2	40.0	1.00	1.00
442Guscio fond.	471	461	482	519	1	2	40.0	1.00	1.00
443Guscio fond.	297	471	519	329	1	2	40.0	1.00	1.00
444Guscio fond.	512	511	520	521	1	2	40.0	1.00	1.00
445Guscio fond.	513	512	521	522	1	2	40.0	1.00	1.00
446Guscio fond.	514	513	522	523	1	2	40.0	1.00	1.00
447Guscio fond.	515	514	523	524	1	2	40.0	1.00	1.00
448Guscio fond.	516	515	524	525	1	2	40.0	1.00	1.00
449Guscio fond.	517	516	525	526	1	2	40.0	1.00	1.00
450Guscio fond.	518	517	526	527	1	2	40.0	1.00	1.00
451Guscio fond.	386	518	527	397	1	2	40.0	1.00	1.00
452Guscio fond.	519	482	483	528	1	2	40.0	1.00	1.00
453Guscio fond.	329	519	528	5	1	2	40.0	1.00	1.00
454Guscio fond.	521	520	529	530	1	2	40.0	1.00	1.00
455Guscio fond.	522	521	530	531	1	2	40.0	1.00	1.00
456Guscio fond.	523	522	531	532	1	2	40.0	1.00	1.00
457Guscio fond.	524	523	532	533	1	2	40.0	1.00	1.00
458Guscio fond.	525	524	533	534	1	2	40.0	1.00	1.00

459Guscio fond.	526	525	534	535	1	2	40.0	1.00	1.00
460Guscio fond.	527	526	535	536	1	2	40.0	1.00	1.00
461Guscio fond.	397	527	536	408	1	2	40.0	1.00	1.00
462Guscio fond.	493	492	426	538	1	2	40.0	1.00	1.00
463Guscio fond.	494	493	538	539	1	2	40.0	1.00	1.00
464Guscio fond.	530	529	456	429	1	2	40.0	1.00	1.00
465Guscio fond.	531	530	429	428	1	2	40.0	1.00	1.00
466Guscio fond.	532	531	428	432	1	2	40.0	1.00	1.00
467Guscio fond.	533	532	432	434	1	2	40.0	1.00	1.00
468Guscio fond.	534	533	434	458	1	2	40.0	1.00	1.00
469Guscio fond.	535	534	458	460	1	2	40.0	1.00	1.00
470Guscio fond.	536	535	460	470	1	2	40.0	1.00	1.00
471Guscio fond.	408	536	470	327	1	2	40.0	1.00	1.00
472Guscio fond.	453	494	539	454	1	2	40.0	1.00	1.00
473Guscio fond.	7	450	451	312	1	2	40.0	1.00	1.00
474Guscio fond.	540	541	542	543	1	2	40.0	1.00	1.00
475Guscio fond.	544	540	543	545	1	2	40.0	1.00	1.00
476Guscio fond.	546	544	545	547	1	2	40.0	1.00	1.00
477Guscio fond.	706	427	707	548	1	2	40.0	1.00	1.00
478Guscio fond.	708	706	548	549	1	2	40.0	1.00	1.00
479Guscio fond.	709	708	549	550	1	2	40.0	1.00	1.00
480Guscio fond.	710	709	550	551	1	2	40.0	1.00	1.00
481Guscio fond.	711	710	551	552	1	2	40.0	1.00	1.00
482Guscio fond.	712	711	552	553	1	2	40.0	1.00	1.00
483Guscio fond.	713	712	553	554	1	2	40.0	1.00	1.00
484Guscio fond.	555	556	714	715	1	2	40.0	1.00	1.00
485Guscio fond.	541	716	717	542	1	2	40.0	1.00	1.00
486Guscio fond.	557	546	547	558	1	2	40.0	1.00	1.00
487Guscio fond.	559	557	558	560	1	2	40.0	1.00	1.00
488Guscio fond.	548	707	718	561	1	2	40.0	1.00	1.00
489Guscio fond.	549	548	561	562	1	2	40.0	1.00	1.00
490Guscio fond.	550	549	562	563	1	2	40.0	1.00	1.00
491Guscio fond.	551	550	563	564	1	2	40.0	1.00	1.00
492Guscio fond.	552	551	564	565	1	2	40.0	1.00	1.00
493Guscio fond.	553	552	565	566	1	2	40.0	1.00	1.00
494Guscio fond.	554	553	566	567	1	2	40.0	1.00	1.00
495Guscio fond.	438	554	567	462	1	2	40.0	1.00	1.00
496Guscio fond.	568	559	560	569	1	2	40.0	1.00	1.00
497Guscio fond.	456	568	569	457	1	2	40.0	1.00	1.00
498Guscio fond.	561	718	719	570	1	2	40.0	1.00	1.00
499Guscio fond.	562	561	570	571	1	2	40.0	1.00	1.00
500Guscio fond.	563	562	571	572	1	2	40.0	1.00	1.00
501Guscio fond.	564	563	572	573	1	2	40.0	1.00	1.00
502Guscio fond.	565	564	573	574	1	2	40.0	1.00	1.00
503Guscio fond.	566	565	574	575	1	2	40.0	1.00	1.00
504Guscio fond.	567	566	575	576	1	2	40.0	1.00	1.00
505Guscio fond.	462	567	576	472	1	2	40.0	1.00	1.00
506Guscio fond.	577	555	715	720	1	2	40.0	1.00	1.00
507Guscio fond.	578	577	720	721	1	2	40.0	1.00	1.00
508Guscio fond.	570	719	722	579	1	2	40.0	1.00	1.00
509Guscio fond.	571	570	579	580	1	2	40.0	1.00	1.00
510Guscio fond.	572	571	580	581	1	2	40.0	1.00	1.00
511Guscio fond.	573	572	581	582	1	2	40.0	1.00	1.00
512Guscio fond.	574	573	582	583	1	2	40.0	1.00	1.00
513Guscio fond.	575	574	583	584	1	2	40.0	1.00	1.00
514Guscio fond.	576	575	584	585	1	2	40.0	1.00	1.00
515Guscio fond.	472	576	585	484	1	2	40.0	1.00	1.00
516Guscio fond.	542	717	723	586	1	2	40.0	1.00	1.00
517Guscio fond.	543	542	586	587	1	2	40.0	1.00	1.00
518Guscio fond.	579	722	724	588	1	2	40.0	1.00	1.00
519Guscio fond.	580	579	588	589	1	2	40.0	1.00	1.00
520Guscio fond.	581	580	589	590	1	2	40.0	1.00	1.00
521Guscio fond.	582	581	590	591	1	2	40.0	1.00	1.00
522Guscio fond.	583	582	591	592	1	2	40.0	1.00	1.00
523Guscio fond.	584	583	592	593	1	2	40.0	1.00	1.00
524Guscio fond.	585	584	593	594	1	2	40.0	1.00	1.00
525Guscio fond.	484	585	594	495	1	2	40.0	1.00	1.00
526Guscio fond.	545	543	587	556	1	2	40.0	1.00	1.00
527Guscio fond.	547	545	556	555	1	2	40.0	1.00	1.00
528Guscio fond.	588	724	725	595	1	2	40.0	1.00	1.00
529Guscio fond.	589	588	595	596	1	2	40.0	1.00	1.00
530Guscio fond.	590	589	596	597	1	2	40.0	1.00	1.00
531Guscio fond.	591	590	597	598	1	2	40.0	1.00	1.00
532Guscio fond.	592	591	598	599	1	2	40.0	1.00	1.00
533Guscio fond.	593	592	599	600	1	2	40.0	1.00	1.00
534Guscio fond.	594	593	600	601	1	2	40.0	1.00	1.00
535Guscio fond.	495	594	601	503	1	2	40.0	1.00	1.00

536Guscio fond.	558	547	555	577	1	2	40.0	1.00	1.00
537Guscio fond.	560	558	577	578	1	2	40.0	1.00	1.00
538Guscio fond.	595	725	726	602	1	2	40.0	1.00	1.00
539Guscio fond.	596	595	602	603	1	2	40.0	1.00	1.00
540Guscio fond.	597	596	603	604	1	2	40.0	1.00	1.00
541Guscio fond.	598	597	604	605	1	2	40.0	1.00	1.00
542Guscio fond.	599	598	605	606	1	2	40.0	1.00	1.00
543Guscio fond.	600	599	606	607	1	2	40.0	1.00	1.00
544Guscio fond.	601	600	607	608	1	2	40.0	1.00	1.00
545Guscio fond.	503	601	608	511	1	2	40.0	1.00	1.00
546Guscio fond.	569	560	578	609	1	2	40.0	1.00	1.00
547Guscio fond.	457	569	609	492	1	2	40.0	1.00	1.00
548Guscio fond.	602	726	727	610	1	2	40.0	1.00	1.00
549Guscio fond.	603	602	610	611	1	2	40.0	1.00	1.00
550Guscio fond.	604	603	611	612	1	2	40.0	1.00	1.00
551Guscio fond.	605	604	612	613	1	2	40.0	1.00	1.00
552Guscio fond.	606	605	613	614	1	2	40.0	1.00	1.00
553Guscio fond.	607	606	614	615	1	2	40.0	1.00	1.00
554Guscio fond.	608	607	615	616	1	2	40.0	1.00	1.00
555Guscio fond.	511	608	616	520	1	2	40.0	1.00	1.00
556Guscio fond.	609	578	721	728	1	2	40.0	1.00	1.00
557Guscio fond.	492	609	728	426	1	2	40.0	1.00	1.00
558Guscio fond.	610	727	729	617	1	2	40.0	1.00	1.00
559Guscio fond.	611	610	617	618	1	2	40.0	1.00	1.00
560Guscio fond.	612	611	618	619	1	2	40.0	1.00	1.00
561Guscio fond.	613	612	619	620	1	2	40.0	1.00	1.00
562Guscio fond.	614	613	620	621	1	2	40.0	1.00	1.00
563Guscio fond.	615	614	621	622	1	2	40.0	1.00	1.00
564Guscio fond.	616	615	622	623	1	2	40.0	1.00	1.00
565Guscio fond.	520	616	623	529	1	2	40.0	1.00	1.00
566Guscio fond.	586	723	419	730	1	2	40.0	1.00	1.00
567Guscio fond.	587	586	730	731	1	2	40.0	1.00	1.00
568Guscio fond.	617	729	716	541	1	2	40.0	1.00	1.00
569Guscio fond.	618	617	541	540	1	2	40.0	1.00	1.00
570Guscio fond.	619	618	540	544	1	2	40.0	1.00	1.00
571Guscio fond.	620	619	544	546	1	2	40.0	1.00	1.00
572Guscio fond.	621	620	546	557	1	2	40.0	1.00	1.00
573Guscio fond.	622	621	557	559	1	2	40.0	1.00	1.00
574Guscio fond.	623	622	559	568	1	2	40.0	1.00	1.00
575Guscio fond.	529	623	568	456	1	2	40.0	1.00	1.00
576Guscio fond.	556	587	731	714	1	2	40.0	1.00	1.00
577Guscio fond.	420	713	554	438	1	2	40.0	1.00	1.00
578Guscio fond.	624	625	626	627	1	2	40.0	1.00	1.00
579Guscio fond.	628	624	627	629	1	2	40.0	1.00	1.00
580Guscio fond.	630	628	629	631	1	2	40.0	1.00	1.00
581Guscio fond.	732	417	734	632	1	2	40.0	1.00	1.00
582Guscio fond.	735	732	632	633	1	2	40.0	1.00	1.00
583Guscio fond.	736	735	633	634	1	2	40.0	1.00	1.00
584Guscio fond.	737	736	634	635	1	2	40.0	1.00	1.00
585Guscio fond.	738	737	635	636	1	2	40.0	1.00	1.00
586Guscio fond.	739	738	636	637	1	2	40.0	1.00	1.00
587Guscio fond.	740	739	637	638	1	2	40.0	1.00	1.00
588Guscio fond.	639	640	741	742	1	2	40.0	1.00	1.00
589Guscio fond.	625	743	744	626	1	2	40.0	1.00	1.00
590Guscio fond.	641	630	631	642	1	2	40.0	1.00	1.00
591Guscio fond.	643	641	642	644	1	2	40.0	1.00	1.00
592Guscio fond.	632	734	745	645	1	2	40.0	1.00	1.00
593Guscio fond.	633	632	645	646	1	2	40.0	1.00	1.00
594Guscio fond.	634	633	646	647	1	2	40.0	1.00	1.00
595Guscio fond.	635	634	647	648	1	2	40.0	1.00	1.00
596Guscio fond.	636	635	648	649	1	2	40.0	1.00	1.00
597Guscio fond.	637	636	649	650	1	2	40.0	1.00	1.00
598Guscio fond.	638	637	650	651	1	2	40.0	1.00	1.00
599Guscio fond.	707	638	651	718	1	2	40.0	1.00	1.00
600Guscio fond.	652	643	644	653	1	2	40.0	1.00	1.00
601Guscio fond.	716	652	653	717	1	2	40.0	1.00	1.00
602Guscio fond.	645	745	746	654	1	2	40.0	1.00	1.00
603Guscio fond.	646	645	654	655	1	2	40.0	1.00	1.00
604Guscio fond.	647	646	655	656	1	2	40.0	1.00	1.00
605Guscio fond.	648	647	656	657	1	2	40.0	1.00	1.00
606Guscio fond.	649	648	657	658	1	2	40.0	1.00	1.00
607Guscio fond.	650	649	658	659	1	2	40.0	1.00	1.00
608Guscio fond.	651	650	659	660	1	2	40.0	1.00	1.00
609Guscio fond.	718	651	660	719	1	2	40.0	1.00	1.00
610Guscio fond.	661	639	742	747	1	2	40.0	1.00	1.00
611Guscio fond.	662	661	747	748	1	2	40.0	1.00	1.00
612Guscio fond.	654	746	749	663	1	2	40.0	1.00	1.00

613Guscio fond.	655	654	663	664	1	2	40.0	1.00	1.00
614Guscio fond.	656	655	664	665	1	2	40.0	1.00	1.00
615Guscio fond.	657	656	665	666	1	2	40.0	1.00	1.00
616Guscio fond.	658	657	666	667	1	2	40.0	1.00	1.00
617Guscio fond.	659	658	667	668	1	2	40.0	1.00	1.00
618Guscio fond.	660	659	668	669	1	2	40.0	1.00	1.00
619Guscio fond.	719	660	669	722	1	2	40.0	1.00	1.00
620Guscio fond.	626	744	750	670	1	2	40.0	1.00	1.00
621Guscio fond.	627	626	670	671	1	2	40.0	1.00	1.00
622Guscio fond.	663	749	751	672	1	2	40.0	1.00	1.00
623Guscio fond.	664	663	672	673	1	2	40.0	1.00	1.00
624Guscio fond.	665	664	673	674	1	2	40.0	1.00	1.00
625Guscio fond.	666	665	674	675	1	2	40.0	1.00	1.00
626Guscio fond.	667	666	675	676	1	2	40.0	1.00	1.00
627Guscio fond.	668	667	676	677	1	2	40.0	1.00	1.00
628Guscio fond.	669	668	677	678	1	2	40.0	1.00	1.00
629Guscio fond.	722	669	678	724	1	2	40.0	1.00	1.00
630Guscio fond.	629	627	671	640	1	2	40.0	1.00	1.00
631Guscio fond.	631	629	640	639	1	2	40.0	1.00	1.00
632Guscio fond.	672	751	752	679	1	2	40.0	1.00	1.00
633Guscio fond.	673	672	679	680	1	2	40.0	1.00	1.00
634Guscio fond.	674	673	680	681	1	2	40.0	1.00	1.00
635Guscio fond.	675	674	681	682	1	2	40.0	1.00	1.00
636Guscio fond.	676	675	682	683	1	2	40.0	1.00	1.00
637Guscio fond.	677	676	683	684	1	2	40.0	1.00	1.00
638Guscio fond.	678	677	684	685	1	2	40.0	1.00	1.00
639Guscio fond.	724	678	685	725	1	2	40.0	1.00	1.00
640Guscio fond.	642	631	639	661	1	2	40.0	1.00	1.00
641Guscio fond.	644	642	661	662	1	2	40.0	1.00	1.00
642Guscio fond.	679	752	753	686	1	2	40.0	1.00	1.00
643Guscio fond.	680	679	686	687	1	2	40.0	1.00	1.00
644Guscio fond.	681	680	687	688	1	2	40.0	1.00	1.00
645Guscio fond.	682	681	688	689	1	2	40.0	1.00	1.00
646Guscio fond.	683	682	689	690	1	2	40.0	1.00	1.00
647Guscio fond.	684	683	690	691	1	2	40.0	1.00	1.00
648Guscio fond.	685	684	691	692	1	2	40.0	1.00	1.00
649Guscio fond.	725	685	692	726	1	2	40.0	1.00	1.00
650Guscio fond.	653	644	662	693	1	2	40.0	1.00	1.00
651Guscio fond.	717	653	693	723	1	2	40.0	1.00	1.00
652Guscio fond.	686	753	754	694	1	2	40.0	1.00	1.00
653Guscio fond.	687	686	694	695	1	2	40.0	1.00	1.00
654Guscio fond.	688	687	695	696	1	2	40.0	1.00	1.00
655Guscio fond.	689	688	696	697	1	2	40.0	1.00	1.00
656Guscio fond.	690	689	697	698	1	2	40.0	1.00	1.00
657Guscio fond.	691	690	698	699	1	2	40.0	1.00	1.00
658Guscio fond.	692	691	699	700	1	2	40.0	1.00	1.00
659Guscio fond.	726	692	700	727	1	2	40.0	1.00	1.00
660Guscio fond.	693	662	748	755	1	2	40.0	1.00	1.00
661Guscio fond.	723	693	755	419	1	2	40.0	1.00	1.00
662Guscio fond.	694	754	756	701	1	2	40.0	1.00	1.00
663Guscio fond.	695	694	701	702	1	2	40.0	1.00	1.00
664Guscio fond.	696	695	702	703	1	2	40.0	1.00	1.00
665Guscio fond.	697	696	703	704	1	2	40.0	1.00	1.00
666Guscio fond.	698	697	704	705	1	2	40.0	1.00	1.00
667Guscio fond.	699	698	705	437	1	2	40.0	1.00	1.00
668Guscio fond.	700	699	437	537	1	2	40.0	1.00	1.00
669Guscio fond.	727	700	537	729	1	2	40.0	1.00	1.00
670Guscio fond.	670	750	415	733	1	2	40.0	1.00	1.00
671Guscio fond.	671	670	733	423	1	2	40.0	1.00	1.00
672Guscio fond.	701	756	743	625	1	2	40.0	1.00	1.00
673Guscio fond.	702	701	625	624	1	2	40.0	1.00	1.00
674Guscio fond.	703	702	624	628	1	2	40.0	1.00	1.00
675Guscio fond.	704	703	628	630	1	2	40.0	1.00	1.00
676Guscio fond.	705	704	630	641	1	2	40.0	1.00	1.00
677Guscio fond.	437	705	641	643	1	2	40.0	1.00	1.00
678Guscio fond.	537	437	643	652	1	2	40.0	1.00	1.00
679Guscio fond.	729	537	652	716	1	2	40.0	1.00	1.00
680Guscio fond.	640	671	423	741	1	2	40.0	1.00	1.00
681Guscio fond.	427	740	638	707	1	2	40.0	1.00	1.00

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)

La progettazione viene eseguita con il metodo degli stati limite.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 instantanee 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
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 freq. [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi perm. [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. 17.01.2018 - §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. 14.01.2018 - § 7.3.3.3
Beta a	Coef. riduttivo per tener conto del danneggiamento del piano dipendente dallo spostamento, ottenuto sperimentalmente

ID Arch.	Tipo	G1k	G2k	Qk	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi
		kN/ m2	kN/ m2	kN/ m2							
7	Neve	3.00	1.00	1.20		1.00	0.50	0.20	0.0	0.0	1.00
8	Neve	3.00	4.00	1.20		1.00	0.50	0.20	0.0	0.0	1.00

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k	G2k	Qk	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
						kN/ m2	kN/ m2	kN/ m2					
1	CB	8	m=1	5.0	0.0	3.00	4.00	1.20	8	6	4	10	
2	CB	7	m=1	5.0	0.0	3.00	1.00	1.20	12	2	16	14	
3	CB	7	m=1	5.0	0.0	3.00	1.00	1.20	10	4	2	12	
4	CB	7	m=1	5.0	0.0	3.00	1.00	1.20	421	422	6	8	
5	CB	7	m=1	5.0	0.0	3.00	1.00	1.20	425	422	421	424	
6	CB	7	m=1	5.0	0.0	3.00	1.00	1.20	416	425	424	418	
7	PM		m=23	30.0	90.0				11	12	10	9	
8	PM		m=23	30.0	90.0				13	14	12	11	
9	PM		m=23	30.0	90.0				1	2	4	3	
10	PM		m=23	30.0	90.0				15	16	2	1	
11	PM		m=23	30.0	90.0				426	5	6	422	
12	PM		m=23	30.0	90.0				9	10	8	7	
13	PM		m=23	30.0	90.0				7	8	421	420	
14	PM		m=23	30.0	90.0				420	421	424	427	
15	PM		m=23	30.0	90.0				427	424	418	417	
16	PM		m=23	30.0	90.0				5	3	4	6	
17	PM		m=23	30.0	90.0				415	419	425	416	
18	PM		m=23	30.0	90.0				419	426	422	425	
19	PM		m=23	30.0	90.0				15	16	14	13	
20	PM		m=23	30.0	90.0				746	753	744	415	416
									418	417			

Elem.	Stato	Note	f ist	f infi	Pos.	Momento	Af inf.	Af. sup	V N/M	x/d	Taglio	Af V	verif. V	B eff
			cm	cm	cm	kN m	cm2	cm2			kN	cm2		cm
4	ok L	s=1,m=1-8.00e-03-8.22e-03			0.0	0.0	2.25	0.0	0.0	0.03	-5.31	0.0	0.06	50.0
					25.0	1.23	2.25	0.0	0.03	0.06	-4.50	0.0	0.09	30.0
					163.9	4.35	2.25	0.0	0.11	0.06	0.0	0.0	0.0	30.0
					302.8	1.23	2.25	0.0	0.03	0.06	4.50	0.0	0.09	30.0
					327.8	0.0	2.25	0.0	0.0	0.03	5.31	0.0	0.06	50.0
5	ok L	s=1,m=1-7.98e-03-8.21e-03			0.0	0.0	2.25	0.0	0.0	0.03	-5.31	0.0	0.06	50.0
					25.0	1.23	2.25	0.0	0.03	0.06	-4.50	0.0	0.09	30.0
					163.9	4.35	2.25	0.0	0.11	0.06	0.0	0.0	0.0	30.0
					302.7	1.23	2.25	0.0	0.03	0.06	4.50	0.0	0.09	30.0
					327.7	0.0	2.25	0.0	0.0	0.03	5.31	0.0	0.06	50.0
6	ok L	s=1,m=1-8.31e-03-8.54e-03			0.0	0.0	2.25	0.0	0.0	0.03	-5.36	0.0	0.06	50.0
					25.0	1.24	2.25	0.0	0.03	0.06	-4.55	0.0	0.09	30.0
					165.5	4.44	2.25	0.0	0.11	0.06	0.0	0.0	0.0	30.0
					316.0	0.77	2.25	0.0	0.02	0.06	4.88	0.0	0.09	30.0
					331.0	0.0	2.25	0.0	0.0	0.03	5.36	0.0	0.06	50.0

Elem.			f ist	f infi		Momento	Af inf.	Af. sup	V N/M	x/d	Taglio	Af V	verif. V	
						0.0					-5.36			
			-7.98e-03	-8.21e-03		4.44	2.25	0.0	0.11	0.06	5.36	0.0	0.09	

Elem.	Pos.	rRfck	rFfck	rPfck	rRfyk	rFfyk	rPfyk	wR	wF	wP
	cm							mm	mm	mm
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	25.0	9.91e-03	8.08e-03	0.01	0.03	0.02	0.02	0.0	0.0	0.0
	163.9	0.04	0.03	0.04	0.09	0.07	0.07	0.0	0.0	0.0
	302.8	9.91e-03	8.08e-03	0.01	0.03	0.02	0.02	0.0	0.0	0.0
	327.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	25.0	9.91e-03	8.08e-03	0.01	0.03	0.02	0.02	0.0	0.0	0.0
	163.9	0.04	0.03	0.04	0.09	0.07	0.07	0.0	0.0	0.0
	302.7	9.91e-03	8.08e-03	0.01	0.03	0.02	0.02	0.0	0.0	0.0
	327.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	25.0	0.01	8.16e-03	0.01	0.03	0.02	0.02	0.0	0.0	0.0
	165.5	0.04	0.03	0.04	0.09	0.07	0.07	0.0	0.0	0.0
	316.0	6.20e-03	5.06e-03	6.36e-03	0.02	0.01	0.01	0.0	0.0	0.0
	331.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Elem.		rRfck	rFfck	rPfck	rRfyk	rFfyk	rPfyk	wR	wF	wP
		0.04	0.03	0.04	0.09	0.07	0.07	0.0	0.0	0.0

Elem.	Stato	Ver. c.c.	Ver. c.d.	Ver. cin.	Ver. CIS	Z	T1	Ta	Sa	pa	pr	Drift	Beta a
						cm	sec	sec	g	kN/ m2	kN/ m2	%	
7	NV L	2.02	1.01	1.50	0.0	145.0	0.20	0.034	0.69	0.926	0.0	0.34	0.0
8	NV L	2.02	1.01	1.50	0.0	145.0	0.20	0.034	0.69	0.926	0.0	0.34	0.0
9	NV L	2.02	1.01	1.50	0.0	145.0	0.20	0.034	0.69	0.926	0.0	0.34	0.0
10	NV L	2.02	1.01	1.50	0.0	145.0	0.20	0.034	0.69	0.926	0.0	0.34	0.0
11	NV L	2.02	1.01	1.50	0.0	145.0	0.20	0.034	0.69	0.926	0.0	0.34	0.0
12	NV L	2.02	1.01	1.50	0.0	145.0	0.20	0.034	0.69	0.926	0.0	0.34	0.0
13	NV L	2.02	1.01	1.50	0.0	145.0	0.20	0.034	0.69	0.926	0.0	0.34	0.0
14	NV L	2.02	1.01	1.50	0.0	145.0	0.20	0.034	0.69	0.926	0.0	0.34	0.0
15	NV L	2.02	1.01	1.50	0.0	145.0	0.20	0.034	0.69	0.926	0.0	0.34	0.0
16	NV L	2.02	1.01	1.50	0.0	145.0	0.20	0.034	0.69	0.926	0.0	0.34	0.0
17	NV L	2.02	1.01	1.50	0.0	145.0	0.20	0.034	0.69	0.926	0.0	0.34	0.0
18	NV L	2.02	1.01	1.50	0.0	145.0	0.20	0.034	0.69	0.926	0.0	0.34	0.0
19	NV L	2.02	1.01	1.50	0.0	145.0	0.20	0.034	0.69	0.926	0.0	0.71	0.0
20	NV L	2.02	1.01	1.50	0.0	145.0	0.20	0.034	0.69	0.926	0.0	0.67	0.0

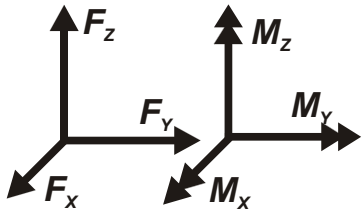
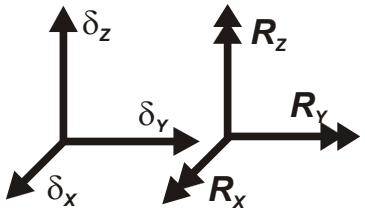
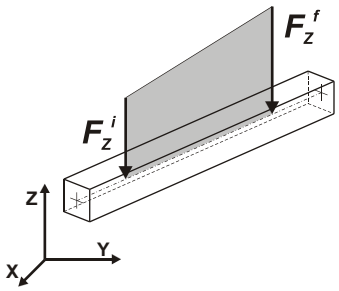
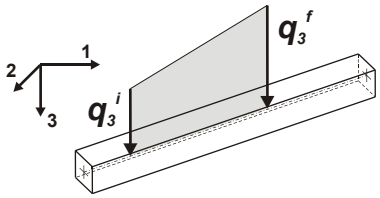
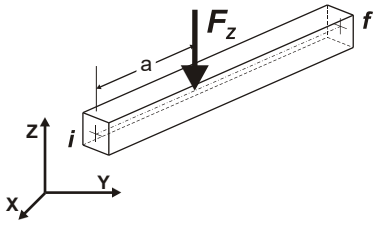
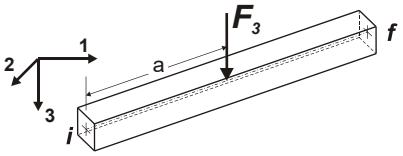
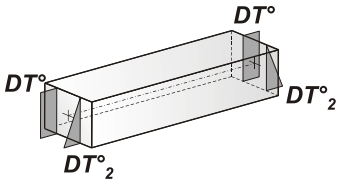
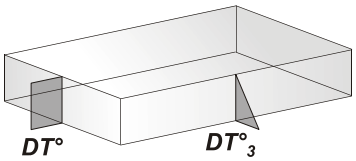
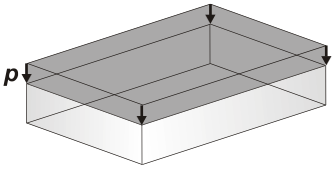
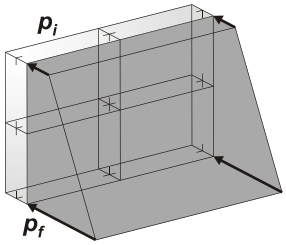
Elem.	Ver. c.c.	Ver. c.d.	Ver. cin.	Ver. CIS	Drift
	2.02	1.01	1.50	0.0	0.34
	2.02	1.01	1.50	0.0	0.71

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 Fx, Fy, Fz, momento Mx, My, Mz)
2	**spostamento nodale impresso** 6 dati (spostamento Tx,Ty,Tz, rotazione Rx,Ry,Rz)
3	**carico distribuito globale su elemento tipo trave** 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa di fine carico)
4	**carico distribuito locale su elemento tipo trave** 7 dati (f1,f2,f3,m1,m2,m3,ascissa di inizio carico) 7 dati (f1,f2,f3,m1,m2,m3,ascissa di fine carico)
5	**carico concentrato globale su elemento tipo trave** 7 dati (Fx,Fy,Fz,Mx,My,Mz,ascissa di carico)
6	**carico concentrato locale su elemento tipo trave** 7 dati (F1, F2, F3, M1, M2, M3, 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

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

SCHEMATIZZAZIONE DEI CASI DI CARICO

LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.
Sono previsti i seguenti 11 tipi di casi di carico:

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

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

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:
7-Qtk, in quanto richiede solo il valore della variazione termica;
9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

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

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

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

Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi 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	Gsk	CDC=G2sk (permanente solai-coperture n.c.d.)	
4	Gsk	CDC=G2pk (permanente pannelli n.c.d.)	
5	Qnk	CDC=Qnk (carico da neve)	
6	Edk	CDC=Ed (dinamico 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)

CDC	Tipo	Sigla Id	Note
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)
			partecipazione:1.00 per 4 CDC=G2pk (permanente pannelli n.c.d.)
			partecipazione:1.00 per 5 CDC=Qnk (carico da neve)
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico

DEFINIZIONE DELLE COMBINAZIONI

LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

***Combinazione fondamentale** SLU*

$\gamma G1 \cdot G1 + \gamma G2 \cdot G2 + \gamma P \cdot P + \gamma Q1 \cdot Qk1 + \gamma Q2 \cdot \psi 02 \cdot Qk2 + \gamma Q3 \cdot \psi 03 \cdot Qk3 + \ldots$

***Combinazione caratteristica** (rara) SLE*

$G1 + G2 + P + Qk1 + \psi 02 \cdot Qk2 + \psi 03 \cdot Qk3 + \ldots$

***Combinazione frequente** SLE*

$G1 + G2 + P + \psi 11 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$

***Combinazione quasi permanente** SLE*

$G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$

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

$E + G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

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

$G1 + G2 + Ad + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	***ψ0***	***ψ1***	***ψ2***
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 <= 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 2018 Tabella 2.6.I

	Coefficiente γf	***EQU***	***A1***	***A2***

Carichi permanenti	*Favorevoli*	*γG1*	*0,9*	*1,0*	*1,0*
	Sfavorevoli		*1,1*	*1,3*	*1,0*
Carichi permanenti non strutturali (Non compiutamente definiti)	*Favorevoli*	*γG2*	*0,8*	*0,8*	*0,8*
	Sfavorevoli		*1,5*	*1,5*	*1,3*
Carichi variabili	*Favorevoli*	*γQi*	*0,0*	*0,0*	*0,0*
	Sfavorevoli		*1,5*	*1,5*	*1,3*

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

Cmb	Tipo	Sigla Id	effetto P-delta
59	SLE(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLE(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLE(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLE(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLE(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLE(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLE(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLE(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLE(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLE(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLE(r)	Comb. SLE(rara) 69	
70	SLE(r)	Comb. SLE(rara) 70	
71	SLE(f)	Comb. SLE(freq.) 71	
72	SLE(f)	Comb. SLE(freq.) 72	
73	SLE(p)	Comb. SLE(perm.) 73	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	1.30	1.30	1.50	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	1.00	1.00	0.80	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	1.00	1.00	0.80	0.80	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	1.00	1.00	1.00	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	
6	1.00	1.00	1.00	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	
7	1.00	1.00	1.00	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	
8	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	
9	1.00	1.00	1.00	1.00	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	
10	1.00	1.00	1.00	1.00	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	
11	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	
12	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	
13	1.00	1.00	1.00	1.00	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	
14	1.00	1.00	1.00	1.00	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	
15	1.00	1.00	1.00	1.00	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	
16	1.00	1.00	1.00	1.00	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	
17	1.00	1.00	1.00	1.00	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	
18	1.00	1.00	1.00	1.00	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	
19	1.00	1.00	1.00	1.00	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	
20	1.00	1.00	1.00	1.00	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	
21	1.00	1.00	1.00	1.00	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	
22	1.00	1.00	1.00	1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	
23	1.00	1.00	1.00	1.00	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	
24	1.00	1.00	1.00	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	
25	1.00	1.00	1.00	1.00	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	
26	1.00	1.00	1.00	1.00	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	
27	1.00	1.00	1.00	1.00	0.0	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	
28	1.00	1.00	1.00	1.00	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	
29	1.00	1.00	1.00	1.00	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	
30	1.00	1.00	1.00	1.00	0.0	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	
31	1.00	1.00	1.00	1.00	0.0	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	
32	1.00	1.00	1.00	1.00	0.0	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	
33	1.00	1.00	1.00	1.00	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	
34	1.00	1.00	1.00	1.00	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	
35	1.00	1.00	1.00	1.00	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	
36	1.00	1.00	1.00	1.00	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	
37	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	
38	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	
39	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	
40	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	
41	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	
42	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	
43	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	
44	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	
45	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	
46	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	
47	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	
48	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	
49	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	
50	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	
51	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	
52	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	

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...
53	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	
54	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	
55	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	
56	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	
57	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	
58	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	
59	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	
60	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	
61	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	
62	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	
63	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	
64	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	
65	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	
66	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	
67	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	
68	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	
69	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
70	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
71	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
72	1.00	1.00	1.00	1.00	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
73	1.00	1.00	1.00	1.00	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 Vr 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 Vr e la probabilità di superamento Pver associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno Tr 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 Vn [anni]	Coeff. Uso	Periodo Vr [anni]	Tipo di suolo	Categoria topografica
IV	100.0	2.0	200.0	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 = Ss*St (3.2.3)
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.

Lo spettro di risposta elastico in accelerazione della componente orizzontale del moto sismico, Se, è definito dalle seguenti espressioni:

$$0 \le T < T_B \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o}\left(1 - \frac{T}{T_B}\right)\right]$$

$$T_B \le T < T_C \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o$$

$$T_C \le T < T_D \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C}{T}\right)$$

$$T_D \le T \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C \cdot T_D}{T^2}\right)$$

Dove per sottosuolo di categoria **A** i coefficienti S_S e C_C valgono 1; mentre per le categorie di sottosuolo B, C, D, E i coefficienti S_S e C_C vengono calcolati mediante le espressioni riportane nella seguente Tabella

Categoria sottosuolo	S_S	C_C
A	1,00	1,00
B	$1,00 \le 1,40 - 0,40 \cdot F_o \cdot \frac{a_g}{g} \le 1,20$	$1,10 \cdot (T_C^*)^{-0,20}$
C	$1,00 \le 1,70 - 0,60 \cdot F_o \cdot \frac{a_g}{g} \le 1,50$	$1,05 \cdot (T_C^*)^{-0,33}$
D	$0,90 \le 2,40 - 1,50 \cdot F_o \cdot \frac{a_g}{g} \le 1,80$	$1,25 \cdot (T_C^*)^{-0,50}$
E	$1,00 \le 2,00 - 1,10 \cdot F_o \cdot \frac{a_g}{g} \le 1,60$	$1,15 \cdot (T_C^*)^{-0,40}$

Per tenere conto delle condizioni topografiche e in assenza di specifiche analisi di risposta sismica locale, si utilizzano i valori del coefficiente topografico S_T riportati nella seguente Tabella

Categoria topografica	Ubicazione dell'opera o dell'intervento	S_T
T1	-	1,0
T2	In corrispondenza della sommità del pendio	1,2
T3	In corrispondenza della cresta di un rilievo con pendenza media minore o uguale a 30°	1,2
T4	In corrispondenza della cresta di un rilievo con pendenza media maggiore di 30°	1,4

Lo spettro di risposta elastico in accelerazione della componente verticale del moto sismico, Sve, è definito dalle espressioni:

$$0 \le T < T_B \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o}\left(1 - \frac{T}{T_B}\right)\right]$$

$$T_B \le T < T_C \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v$$

$$T_C \le T < T_D \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C}{T}\right)$$

$$T_D \le T \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C \cdot T_D}{T^2}\right)$$

I valori di S_S, T_B, T_C e T_D, sono riportati nella seguenteTabella

Categoria di sottosuolo	S_S	T_B	T_C	T_D
A, B, C, D, E	1,0	0,05 s	0,15 s	1,0 s

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	11.071	44.849	
15394	11.025	44.809	5.877
15395	11.095	44.811	4.699
15173	11.093	44.861	2.065
15172	11.023	44.859	3.997

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	120.4	0.079	2.577	0.264
SLD	63.0	201.2	0.102	2.582	0.270
SLV	10.0	1898.2	0.261	2.465	0.287
SLC	5.0	2475.0	0.289	2.437	0.290

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.079	1.500	2.577	0.977	0.143	0.430	1.916
SLD	0.102	1.500	2.582	1.112	0.146	0.437	2.007
SLV	0.261	1.315	2.465	1.699	0.152	0.455	2.642
SLC	0.289	1.278	2.437	1.768	0.153	0.458	2.755

RISULTATI ANALISI SISMICHE

LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:
9. Esk caso di carico sismico con analisi statica equivalente
10. Edkcaso di carico sismico con analisi dinamica

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

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

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

Nel caso di elementi progettati in campo non dissipativo vengono adottate le sollecitazioni calcolate con un fattore qND ricavato come da 7.3.2 in funzione del fattore di comportamento q utilizzato per la struttura: $1<qND=2/3*q<1.5$
Il coefficiente di amplificazione delle azioni sismiche rispetto alle azioni calcolate con il fattore di comportamento globale viene indicato nelle relative tabelle.

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

a) analisi sismica statica equivalente:

- quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
- azione sismica complessiva

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

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

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

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare n.7/2019 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.
In particolare la tabella, per ogni combinazione di calcolo, riporta:

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

Affinché la verifica sia positiva deve essere:

1) V > 0
2) Sig s < fyk
3) Gam t < 5
4) Gam s < Gam * (caratteristica dell' elastomero)
5) Gam s < 2
6) V < 0.5 Vcr

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.315
			ordinata spettro (tratto Tb-Tc) = 0.563 g

CDC	Tipo	Sigla Id	Note
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.203 sec.
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.500
			fattore per spost. mu d: 2.119
			classe di duttilità CD: B
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
3.20	1036.05	6.56	22.46	0.0	-0.26	6.80	22.46	1.472	0.030	3.0634e-06
Risulta	1036.05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.582	0.279	0.563	0.01	1.18e-03	1006.99	97.2	2.68e-06	0.0	0.0	0.0
2	4.485	0.223	0.563	50.64	4.9	1.99	0.2	3.90e-06	0.0	0.0	0.0
3	4.920	0.203	0.563	975.68	94.2	0.04	4.21e-03	9.48e-05	9.15e-06	0.0	0.0
4	12.557	0.080	0.458	2.11e-06	0.0	25.51	2.5	2.51e-04	2.43e-05	0.0	0.0
5	13.792	0.073	0.448	6.32e-05	6.10e-06	0.24	2.35e-02	4.43e-03	4.27e-04	0.0	0.0
6	14.526	0.069	0.442	3.75	0.4	1.03e-06	0.0	288.15	27.8	0.0	0.0
7	14.790	0.068	0.441	4.73	0.5	3.05e-06	0.0	305.23	29.5	0.0	0.0
8	15.468	0.065	0.436	0.01	9.92e-04	1.28e-05	1.24e-06	428.73	41.4	0.0	0.0
9	16.117	0.062	0.433	2.47e-05	2.39e-06	0.93	8.95e-02	5.00e-04	4.83e-05	0.0	0.0
10	17.837	0.056	0.424	1.17	0.1	3.84e-06	0.0	5.44	0.5	0.0	0.0
11	20.061	0.050	0.415	2.17e-05	2.09e-06	0.04	3.50e-03	8.67e-06	0.0	0.0	0.0
12	20.114	0.050	0.415	5.12e-06	0.0	0.22	2.13e-02	2.81e-05	2.71e-06	0.0	0.0
13	21.768	0.046	0.409	8.25e-03	7.96e-04	5.74e-06	0.0	8.28	0.8	0.0	0.0
14	24.323	0.041	0.402	3.54e-06	0.0	0.09	8.58e-03	8.56e-06	0.0	0.0	0.0
15	26.428	0.038	0.397	0.03	3.34e-03	0.0	0.0	0.14	1.38e-02	0.0	0.0
16	28.226	0.035	0.394	1.13e-06	0.0	5.06e-03	4.89e-04	1.35e-06	0.0	0.0	0.0
17	32.033	0.031	0.388	1.57e-05	1.51e-06	0.0	0.0	0.07	6.32e-03	0.0	0.0
18	33.074	0.030	0.386	0.0	0.0	8.06e-05	7.78e-06	0.0	0.0	0.0	0.0
19	37.123	0.027	0.382	6.66e-04	6.42e-05	2.21e-04	2.14e-05	0.0	0.0	0.0	0.0
20	41.863	0.024	0.377	8.39e-04	8.09e-05	3.85e-05	3.72e-06	1.05e-05	1.01e-06	0.0	0.0
Risulta				1036.05		1036.05		1036.05			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.315
			ordinata spettro (tratto Tb-Tc) = 0.563 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.203 sec.
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.500
			fattore per spost. mu d: 2.119
			classe di duttilità CD: B
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
3.20	1036.05	6.56	22.46	0.0	0.26	6.80	22.46	1.472	0.030	3.0634e-06
Risulta	1036.05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.582	0.279	0.563	0.01	1.45e-03	1006.98	97.2	2.55e-06	0.0	0.0	0.0
2	4.485	0.223	0.563	52.39	5.1	1.99	0.2	2.96e-06	0.0	0.0	0.0
3	4.921	0.203	0.563	973.93	94.0	0.04	3.96e-03	9.62e-05	9.28e-06	0.0	0.0
4	12.557	0.080	0.458	0.0	0.0	25.51	2.5	2.23e-04	2.15e-05	0.0	0.0
5	13.792	0.073	0.448	2.89e-04	2.79e-05	0.24	2.35e-02	2.11e-03	2.04e-04	0.0	0.0
6	14.526	0.069	0.442	3.75	0.4	9.58e-06	0.0	288.12	27.8	0.0	0.0
7	14.790	0.068	0.441	4.73	0.5	2.87e-06	0.0	305.26	29.5	0.0	0.0
8	15.468	0.065	0.436	0.01	9.91e-04	1.86e-05	1.80e-06	428.73	41.4	0.0	0.0
9	16.117	0.062	0.433	2.06e-05	1.99e-06	0.93	8.95e-02	8.74e-05	8.43e-06	0.0	0.0
10	17.837	0.056	0.424	1.17	0.1	0.0	0.0	5.44	0.5	0.0	0.0
11	20.061	0.050	0.415	7.33e-06	0.0	0.04	3.50e-03	0.0	0.0	0.0	0.0
12	20.114	0.050	0.415	1.84e-05	1.78e-06	0.22	2.13e-02	5.80e-05	5.59e-06	0.0	0.0
13	21.768	0.046	0.409	8.25e-03	7.96e-04	0.0	0.0	8.28	0.8	0.0	0.0
14	24.323	0.041	0.402	3.00e-06	0.0	0.09	8.58e-03	9.04e-06	0.0	0.0	0.0
15	26.428	0.038	0.397	0.03	3.34e-03	0.0	0.0	0.14	1.38e-02	0.0	0.0
16	28.226	0.035	0.394	0.0	0.0	5.06e-03	4.89e-04	1.36e-06	0.0	0.0	0.0
17	32.033	0.031	0.388	1.56e-05	1.51e-06	0.0	0.0	0.07	6.32e-03	0.0	0.0
18	33.074	0.030	0.386	1.83e-06	0.0	8.06e-05	7.78e-06	0.0	0.0	0.0	0.0
19	37.123	0.027	0.382	6.84e-04	6.61e-05	2.21e-04	2.14e-05	0.0	0.0	0.0	0.0
20	41.863	0.024	0.377	8.40e-04	8.11e-05	3.90e-05	3.77e-06	1.02e-05	0.0	0.0	0.0
Risulta				1036.05		1036.05		1036.05			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.315
			ordinata spettro (tratto Tb-Tc) = 0.563 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.282 sec.
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.500
			fattore per spost. mu d: 1.806
			classe di duttilità CD: B
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
3.20	1036.05	6.56	22.46	1.03	0.0	6.80	22.46	1.472	0.030	3.0634e-06
Risulta	1036.05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.544	0.282	0.563	0.0	0.0	976.64	94.3	2.22e-06	0.0	0.0	0.0
2	4.596	0.218	0.563	0.01	1.02e-03	32.32	3.1	0.0	0.0	0.0	0.0
3	4.900	0.204	0.563	1026.33	99.1	3.41e-04	3.29e-05	9.88e-05	9.54e-06	0.0	0.0
4	12.562	0.080	0.458	0.0	0.0	25.63	2.5	2.30e-04	2.22e-05	0.0	0.0
5	13.789	0.073	0.448	2.06e-05	1.99e-06	0.16	1.55e-02	3.23e-03	3.12e-04	0.0	0.0
6	14.526	0.069	0.442	3.75	0.4	5.10e-06	0.0	288.07	27.8	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
7	14.790	0.068	0.441	4.73	0.5	0.0	0.0	305.32	29.5	0.0	0.0
8	15.468	0.065	0.436	0.01	9.92e-04	1.57e-05	1.52e-06	428.73	41.4	0.0	0.0
9	16.118	0.062	0.433	2.25e-05	2.17e-06	0.93	8.97e-02	2.56e-04	2.47e-05	0.0	0.0
10	17.837	0.056	0.424	1.17	0.1	1.24e-06	0.0	5.44	0.5	0.0	0.0
11	20.065	0.050	0.415	1.42e-06	0.0	4.93e-03	4.76e-04	2.65e-06	0.0	0.0	0.0
12	20.296	0.049	0.414	0.0	0.0	0.26	2.55e-02	0.0	0.0	0.0	0.0
13	21.768	0.046	0.409	8.25e-03	7.96e-04	0.0	0.0	8.28	0.8	0.0	0.0
14	24.323	0.041	0.402	3.27e-06	0.0	0.09	8.61e-03	8.80e-06	0.0	0.0	0.0
15	26.428	0.038	0.397	0.03	3.34e-03	0.0	0.0	0.14	1.38e-02	0.0	0.0
16	28.226	0.035	0.394	0.0	0.0	5.02e-03	4.85e-04	1.35e-06	0.0	0.0	0.0
17	32.033	0.031	0.388	1.57e-05	1.51e-06	0.0	0.0	0.07	6.32e-03	0.0	0.0
18	33.074	0.030	0.386	1.32e-06	0.0	7.88e-05	7.61e-06	0.0	0.0	0.0	0.0
19	37.083	0.027	0.382	0.0	0.0	6.63e-05	6.40e-06	0.0	0.0	0.0	0.0
20	41.934	0.024	0.377	8.32e-04	8.03e-05	0.0	0.0	1.07e-05	1.04e-06	0.0	0.0
Risulta				1036.05		1036.05		1036.05			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.315
			ordinata spettro (tratto Tb-Tc) = 0.563 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.285 sec.
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.500
			fattore per spost. mu d: 1.797
			classe di duttilità CD: B
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
3.20	1036.05	6.56	22.46	-1.03	0.0	6.80	22.46	1.472	0.030	3.0634e-06
Risulta	1036.05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.505	0.285	0.563	1.04e-04	1.00e-05	950.71	91.8	2.44e-06	0.0	0.0	0.0
2	4.649	0.215	0.563	0.01	1.11e-03	58.20	5.6	0.0	0.0	0.0	0.0
3	4.900	0.204	0.563	1026.33	99.1	2.36e-04	2.28e-05	9.87e-05	9.53e-06	0.0	0.0
4	12.558	0.080	0.458	0.0	0.0	25.49	2.5	2.46e-04	2.37e-05	0.0	0.0
5	13.797	0.072	0.448	2.06e-05	1.99e-06	0.35	3.33e-02	3.11e-03	3.00e-04	0.0	0.0
6	14.526	0.069	0.442	3.75	0.4	3.54e-06	0.0	288.07	27.8	0.0	0.0
7	14.790	0.068	0.441	4.73	0.5	0.0	0.0	305.32	29.5	0.0	0.0
8	15.468	0.065	0.436	0.01	9.92e-04	1.54e-05	1.49e-06	428.73	41.4	0.0	0.0
9	16.118	0.062	0.433	2.26e-05	2.18e-06	0.92	8.85e-02	2.47e-04	2.38e-05	0.0	0.0
10	17.837	0.056	0.424	1.17	0.1	1.26e-06	0.0	5.44	0.5	0.0	0.0
11	20.062	0.050	0.415	1.21e-06	0.0	0.02	1.73e-03	2.42e-06	0.0	0.0	0.0
12	20.228	0.049	0.414	0.0	0.0	0.28	2.66e-02	0.0	0.0	0.0	0.0
13	21.768	0.046	0.409	8.25e-03	7.96e-04	0.0	0.0	8.28	0.8	0.0	0.0
14	24.323	0.041	0.402	3.26e-06	0.0	0.09	8.58e-03	8.80e-06	0.0	0.0	0.0
15	26.428	0.038	0.397	0.03	3.34e-03	0.0	0.0	0.14	1.38e-02	0.0	0.0
16	28.226	0.035	0.394	0.0	0.0	5.11e-03	4.93e-04	1.36e-06	0.0	0.0	0.0
17	32.033	0.031	0.388	1.57e-05	1.51e-06	0.0	0.0	0.07	6.32e-03	0.0	0.0
18	33.074	0.030	0.386	1.32e-06	0.0	8.27e-05	7.98e-06	0.0	0.0	0.0	0.0
19	37.146	0.027	0.382	0.0	0.0	4.49e-04	4.33e-05	0.0	0.0	0.0	0.0
20	41.934	0.024	0.377	8.32e-04	8.03e-05	0.0	0.0	1.07e-05	1.04e-06	0.0	0.0
Risulta				1036.05		1036.05		1036.05			

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.394 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.203 sec.
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
3.20	1036.05	6.56	22.46	0.0	-0.26	6.80	22.46	1.472	0.030	3.0634e-06
Risulta	1036.05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.582	0.279	0.394	0.01	1.18e-03	1006.99	97.2	2.68e-06	0.0	0.0	0.0
2	4.485	0.223	0.394	50.64	4.9	1.99	0.2	3.90e-06	0.0	0.0	0.0
3	4.920	0.203	0.394	975.68	94.2	0.04	4.21e-03	9.48e-05	9.15e-06	0.0	0.0
4	12.557	0.080	0.284	2.11e-06	0.0	25.51	2.5	2.51e-04	2.43e-05	0.0	0.0
5	13.792	0.073	0.273	6.32e-05	6.10e-06	0.24	2.35e-02	4.43e-03	4.27e-04	0.0	0.0
6	14.526	0.069	0.267	3.75	0.4	1.03e-06	0.0	288.15	27.8	0.0	0.0
7	14.790	0.068	0.265	4.73	0.5	3.05e-06	0.0	305.23	29.5	0.0	0.0
8	15.468	0.065	0.260	0.01	9.92e-04	1.28e-05	1.24e-06	428.73	41.4	0.0	0.0
9	16.117	0.062	0.255	2.47e-05	2.39e-06	0.93	8.95e-02	5.00e-04	4.83e-05	0.0	0.0
10	17.837	0.056	0.245	1.17	0.1	3.84e-06	0.0	5.44	0.5	0.0	0.0
11	20.061	0.050	0.235	2.17e-05	2.09e-06	0.04	3.50e-03	8.67e-06	0.0	0.0	0.0
12	20.114	0.050	0.235	5.12e-06	0.0	0.22	2.13e-02	2.81e-05	2.71e-06	0.0	0.0
13	21.768	0.046	0.229	8.25e-03	7.96e-04	5.74e-06	0.0	8.28	0.8	0.0	0.0
14	24.323	0.041	0.221	3.54e-06	0.0	0.09	8.58e-03	8.56e-06	0.0	0.0	0.0
15	26.428	0.038	0.215	0.03	3.34e-03	0.0	0.0	0.14	1.38e-02	0.0	0.0
16	28.226	0.035	0.211	1.13e-06	0.0	5.06e-03	4.89e-04	1.35e-06	0.0	0.0	0.0
17	32.033	0.031	0.204	1.57e-05	1.51e-06	0.0	0.0	0.07	6.32e-03	0.0	0.0
18	33.074	0.030	0.203	0.0	0.0	8.06e-05	7.78e-06	0.0	0.0	0.0	0.0
19	37.123	0.027	0.197	6.66e-04	6.42e-05	2.21e-04	2.14e-05	0.0	0.0	0.0	0.0
20	41.863	0.024	0.192	8.39e-04	8.09e-05	3.85e-05	3.72e-06	1.05e-05	1.01e-06	0.0	0.0
Risulta				1036.05		1036.05		1036.05			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.394 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.203 sec.
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
3.20	1036.05	6.56	22.46	0.0	0.26	6.80	22.46	1.472	0.030	3.0634e-06
Risulta	1036.05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.582	0.279	0.394	0.01	1.45e-03	1006.98	97.2	2.55e-06	0.0	0.0	0.0
2	4.485	0.223	0.394	52.39	5.1	1.99	0.2	2.96e-06	0.0	0.0	0.0
3	4.921	0.203	0.394	973.93	94.0	0.04	3.96e-03	9.62e-05	9.28e-06	0.0	0.0
4	12.557	0.080	0.284	0.0	0.0	25.51	2.5	2.23e-04	2.15e-05	0.0	0.0
5	13.792	0.073	0.273	2.89e-04	2.79e-05	0.24	2.35e-02	2.11e-03	2.04e-04	0.0	0.0
6	14.526	0.069	0.267	3.75	0.4	9.58e-06	0.0	288.12	27.8	0.0	0.0
7	14.790	0.068	0.265	4.73	0.5	2.87e-06	0.0	305.26	29.5	0.0	0.0
8	15.468	0.065	0.260	0.01	9.91e-04	1.86e-05	1.80e-06	428.73	41.4	0.0	0.0
9	16.117	0.062	0.255	2.06e-05	1.99e-06	0.93	8.95e-02	8.74e-05	8.43e-06	0.0	0.0
10	17.837	0.056	0.245	1.17	0.1	0.0	0.0	5.44	0.5	0.0	0.0
11	20.061	0.050	0.235	7.33e-06	0.0	0.04	3.50e-03	0.0	0.0	0.0	0.0
12	20.114	0.050	0.235	1.84e-05	1.78e-06	0.22	2.13e-02	5.80e-05	5.59e-06	0.0	0.0
13	21.768	0.046	0.229	8.25e-03	7.96e-04	0.0	0.0	8.28	0.8	0.0	0.0
14	24.323	0.041	0.221	3.00e-06	0.0	0.09	8.58e-03	9.04e-06	0.0	0.0	0.0
15	26.428	0.038	0.215	0.03	3.34e-03	0.0	0.0	0.14	1.38e-02	0.0	0.0
16	28.226	0.035	0.211	0.0	0.0	5.06e-03	4.89e-04	1.36e-06	0.0	0.0	0.0
17	32.033	0.031	0.204	1.56e-05	1.51e-06	0.0	0.0	0.07	6.32e-03	0.0	0.0
18	33.074	0.030	0.203	1.83e-06	0.0	8.06e-05	7.78e-06	0.0	0.0	0.0	0.0
19	37.123	0.027	0.197	6.84e-04	6.61e-05	2.21e-04	2.14e-05	0.0	0.0	0.0	0.0
20	41.863	0.024	0.192	8.40e-04	8.11e-05	3.90e-05	3.77e-06	1.02e-05	0.0	0.0	0.0
Risulta				1036.05		1036.05		1036.05			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.394 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.282 sec.
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
3.20	1036.05	6.56	22.46	1.03	0.0	6.80	22.46	1.472	0.030	3.0634e-06
Risulta	1036.05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.544	0.282	0.394	0.0	0.0	976.64	94.3	2.22e-06	0.0	0.0	0.0
2	4.596	0.218	0.394	0.01	1.02e-03	32.32	3.1	0.0	0.0	0.0	0.0
3	4.900	0.204	0.394	1026.33	99.1	3.41e-04	3.29e-05	9.88e-05	9.54e-06	0.0	0.0
4	12.562	0.080	0.284	0.0	0.0	25.63	2.5	2.30e-04	2.22e-05	0.0	0.0
5	13.789	0.073	0.273	2.06e-05	1.99e-06	0.16	1.55e-02	3.23e-03	3.12e-04	0.0	0.0
6	14.526	0.069	0.267	3.75	0.4	5.10e-06	0.0	288.07	27.8	0.0	0.0
7	14.790	0.068	0.265	4.73	0.5	0.0	0.0	305.32	29.5	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
8	15.468	0.065	0.260	0.01	9.92e-04	1.57e-05	1.52e-06	428.73	41.4	0.0	0.0
9	16.118	0.062	0.255	2.25e-05	2.17e-06	0.93	8.97e-02	2.56e-04	2.47e-05	0.0	0.0
10	17.837	0.056	0.245	1.17	0.1	1.24e-06	0.0	5.44	0.5	0.0	0.0
11	20.065	0.050	0.235	1.42e-06	0.0	4.93e-03	4.76e-04	2.65e-06	0.0	0.0	0.0
12	20.296	0.049	0.234	0.0	0.0	0.26	2.55e-02	0.0	0.0	0.0	0.0
13	21.768	0.046	0.229	8.25e-03	7.96e-04	0.0	0.0	8.28	0.8	0.0	0.0
14	24.323	0.041	0.221	3.27e-06	0.0	0.09	8.61e-03	8.80e-06	0.0	0.0	0.0
15	26.428	0.038	0.215	0.03	3.34e-03	0.0	0.0	0.14	1.38e-02	0.0	0.0
16	28.226	0.035	0.211	0.0	0.0	5.02e-03	4.85e-04	1.35e-06	0.0	0.0	0.0
17	32.033	0.031	0.204	1.57e-05	1.51e-06	0.0	0.0	0.07	6.32e-03	0.0	0.0
18	33.074	0.030	0.203	1.32e-06	0.0	7.88e-05	7.61e-06	0.0	0.0	0.0	0.0
19	37.083	0.027	0.197	0.0	0.0	6.63e-05	6.40e-06	0.0	0.0	0.0	0.0
20	41.934	0.024	0.192	8.32e-04	8.03e-05	0.0	0.0	1.07e-05	1.04e-06	0.0	0.0
Risulta				1036.05		1036.05		1036.05			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.394 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.285 sec.
			numero di modi considerati: 20
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
3.20	1036.05	6.56	22.46	-1.03	0.0	6.80	22.46	1.472	0.030	3.0634e-06
Risulta	1036.05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.505	0.285	0.394	1.04e-04	1.00e-05	950.71	91.8	2.44e-06	0.0	0.0	0.0
2	4.649	0.215	0.394	0.01	1.11e-03	58.20	5.6	0.0	0.0	0.0	0.0
3	4.900	0.204	0.394	1026.33	99.1	2.36e-04	2.28e-05	9.87e-05	9.53e-06	0.0	0.0
4	12.558	0.080	0.284	0.0	0.0	25.49	2.5	2.46e-04	2.37e-05	0.0	0.0
5	13.797	0.072	0.273	2.06e-05	1.99e-06	0.35	3.33e-02	3.11e-03	3.00e-04	0.0	0.0
6	14.526	0.069	0.267	3.75	0.4	3.54e-06	0.0	288.07	27.8	0.0	0.0
7	14.790	0.068	0.265	4.73	0.5	0.0	0.0	305.32	29.5	0.0	0.0
8	15.468	0.065	0.260	0.01	9.92e-04	1.54e-05	1.49e-06	428.73	41.4	0.0	0.0
9	16.118	0.062	0.255	2.26e-05	2.18e-06	0.92	8.85e-02	2.47e-04	2.38e-05	0.0	0.0
10	17.837	0.056	0.245	1.17	0.1	1.26e-06	0.0	5.44	0.5	0.0	0.0
11	20.062	0.050	0.235	1.21e-06	0.0	0.02	1.73e-03	2.42e-06	0.0	0.0	0.0
12	20.228	0.049	0.234	0.0	0.0	0.28	2.66e-02	0.0	0.0	0.0	0.0
13	21.768	0.046	0.229	8.25e-03	7.96e-04	0.0	0.0	8.28	0.8	0.0	0.0
14	24.323	0.041	0.221	3.26e-06	0.0	0.09	8.58e-03	8.80e-06	0.0	0.0	0.0
15	26.428	0.038	0.215	0.03	3.34e-03	0.0	0.0	0.14	1.38e-02	0.0	0.0
16	28.226	0.035	0.211	0.0	0.0	5.11e-03	4.93e-04	1.36e-06	0.0	0.0	0.0
17	32.033	0.031	0.204	1.57e-05	1.51e-06	0.0	0.0	0.07	6.32e-03	0.0	0.0
18	33.074	0.030	0.203	1.32e-06	0.0	8.27e-05	7.98e-06	0.0	0.0	0.0	0.0
19	37.146	0.027	0.197	0.0	0.0	4.49e-04	4.33e-05	0.0	0.0	0.0	0.0
20	41.934	0.024	0.192	8.32e-04	8.03e-05	0.0	0.0	1.07e-05	1.04e-06	0.0	0.0
Risulta				1036.05		1036.05		1036.05			
In percentuale				100.00		100.00		100.00			

Cmb	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
			cm	cm			cm	cm			cm	cm
37	1	1.13	0.39	350.0	2	1.21	0.42	350.0	3	1.24	0.43	350.0
	4	1.17	0.41	350.0	5	1.11	0.39	350.0	14	1.07	0.38	350.0
	15	1.03	0.36	350.0	16	1.06	0.37	350.0	101	1.52	0.53	350.0
	102	1.54	0.54	350.0	104	1.30	0.46	350.0	105	1.41	0.49	350.0
	106	1.33	0.47	350.0	115	1.43	0.50	350.0				
38	1	1.30	0.45	350.0	2	1.26	0.44	350.0	3	1.13	0.40	350.0
	4	1.17	0.41	350.0	5	1.21	0.42	350.0	14	1.26	0.44	350.0
	15	1.38	0.48	350.0	16	1.34	0.47	350.0	101	1.17	0.41	350.0
	102	1.05	0.37	350.0	104	1.23	0.43	350.0	105	1.20	0.42	350.0
	106	1.10	0.39	350.0	115	1.07	0.38	350.0				
39	1	1.29	0.45	350.0	2	1.25	0.44	350.0	3	1.13	0.40	350.0
	4	1.17	0.41	350.0	5	1.21	0.42	350.0	14	1.26	0.44	350.0
	15	1.37	0.48	350.0	16	1.33	0.47	350.0	101	1.16	0.41	350.0
	102	1.04	0.36	350.0	104	1.22	0.43	350.0	105	1.19	0.42	350.0
	106	1.10	0.38	350.0	115	1.07	0.37	350.0				
40	1	1.12	0.39	350.0	2	1.20	0.42	350.0	3	1.23	0.43	350.0
	4	1.16	0.41	350.0	5	1.10	0.39	350.0	14	1.07	0.38	350.0
	15	1.02	0.36	350.0	16	1.06	0.37	350.0	101	1.51	0.53	350.0
	102	1.53	0.54	350.0	104	1.30	0.45	350.0	105	1.40	0.49	350.0
	106	1.32	0.46	350.0	115	1.42	0.50	350.0				
41	1	1.26	0.44	350.0	2	1.29	0.45	350.0	3	1.14	0.40	350.0
	4	1.11	0.39	350.0	5	1.08	0.38	350.0	14	1.06	0.37	350.0
	15	1.21	0.42	350.0	16	1.23	0.43	350.0	101	1.37	0.48	350.0
	102	1.23	0.43	350.0	104	1.31	0.46	350.0	105	1.34	0.47	350.0
	106	1.16	0.41	350.0	115	1.20	0.42	350.0				
42	1	1.26	0.44	350.0	2	1.15	0.40	350.0	3	1.22	0.43	350.0
	4	1.31	0.46	350.0	5	1.43	0.50	350.0	14	1.57	0.55	350.0
	15	1.53	0.54	350.0	16	1.39	0.49	350.0	101	1.01	0.35	350.0
	102	1.09	0.38	350.0	104	1.08	0.38	350.0	105	1.03	0.36	350.0
	106	1.15	0.40	350.0	115	1.10	0.39	350.0				
43	1	1.25	0.44	350.0	2	1.15	0.40	350.0	3	1.21	0.42	350.0
	4	1.31	0.46	350.0	5	1.43	0.50	350.0	14	1.57	0.55	350.0
	15	1.53	0.53	350.0	16	1.38	0.48	350.0	101	1.00	0.35	350.0
	102	1.08	0.38	350.0	104	1.07	0.37	350.0	105	1.02	0.36	350.0
	106	1.14	0.40	350.0	115	1.09	0.38	350.0				
44	1	1.26	0.44	350.0	2	1.28	0.45	350.0	3	1.13	0.40	350.0
	4	1.11	0.39	350.0	5	1.08	0.38	350.0	14	1.06	0.37	350.0
	15	1.21	0.42	350.0	16	1.23	0.43	350.0	101	1.37	0.48	350.0
	102	1.22	0.43	350.0	104	1.31	0.46	350.0	105	1.34	0.47	350.0
	106	1.16	0.41	350.0	115	1.19	0.42	350.0				
45	1	1.17	0.41	350.0	2	1.13	0.40	350.0	3	1.26	0.44	350.0
	4	1.30	0.45	350.0	5	1.34	0.47	350.0	14	1.38	0.48	350.0
	15	1.26	0.44	350.0	16	1.22	0.43	350.0	101	1.05	0.37	350.0
	102	1.17	0.41	350.0	104	1.10	0.38	350.0	105	1.07	0.37	350.0
	106	1.23	0.43	350.0	115	1.19	0.42	350.0				
46	1	1.16	0.41	350.0	2	1.24	0.43	350.0	3	1.21	0.42	350.0
	4	1.12	0.39	350.0	5	1.06	0.37	350.0	14	1.03	0.36	350.0
	15	1.07	0.38	350.0	16	1.10	0.39	350.0	101	1.54	0.54	350.0
	102	1.52	0.53	350.0	104	1.33	0.47	350.0	105	1.43	0.50	350.0
	106	1.30	0.46	350.0	115	1.41	0.49	350.0				
47	1	1.16	0.41	350.0	2	1.23	0.43	350.0	3	1.20	0.42	350.0
	4	1.12	0.39	350.0	5	1.06	0.37	350.0	14	1.02	0.36	350.0
	15	1.07	0.37	350.0	16	1.10	0.38	350.0	101	1.53	0.54	350.0
	102	1.51	0.53	350.0	104	1.32	0.46	350.0	105	1.42	0.50	350.0
	106	1.30	0.45	350.0	115	1.40	0.49	350.0				
48	1	1.17	0.41	350.0	2	1.13	0.40	350.0	3	1.25	0.44	350.0
	4	1.29	0.45	350.0	5	1.33	0.47	350.0	14	1.38	0.48	350.0
	15	1.26	0.44	350.0	16	1.21	0.43	350.0	101	1.04	0.36	350.0
	102	1.16	0.41	350.0	104	1.09	0.38	350.0	105	1.06	0.37	350.0
	106	1.22	0.43	350.0	115	1.19	0.42	350.0				
49	1	1.31	0.46	350.0	2	1.22	0.43	350.0	3	1.15	0.40	350.0
	4	1.26	0.44	350.0	5	1.39	0.49	350.0	14	1.53	0.54	350.0
	15	1.58	0.55	350.0	16	1.44	0.50	350.0	101	1.09	0.38	350.0
	102	1.01	0.35	350.0	104	1.15	0.40	350.0	105	1.10	0.39	350.0
	106	1.08	0.38	350.0	115	1.03	0.36	350.0				
50	1	1.11	0.39	350.0	2	1.14	0.40	350.0	3	1.29	0.45	350.0
	4	1.26	0.44	350.0	5	1.23	0.43	350.0	14	1.21	0.42	350.0
	15	1.06	0.37	350.0	16	1.08	0.38	350.0	101	1.23	0.43	350.0
	102	1.38	0.48	350.0	104	1.16	0.41	350.0	105	1.20	0.42	350.0
	106	1.31	0.46	350.0	115	1.34	0.47	350.0				
51	1	1.10	0.39	350.0	2	1.13	0.40	350.0	3	1.28	0.45	350.0
	4	1.26	0.44	350.0	5	1.23	0.43	350.0	14	1.21	0.42	350.0
	15	1.05	0.37	350.0	16	1.08	0.38	350.0	101	1.22	0.43	350.0

	102	1.37	0.48	350.0	104	1.16	0.41	350.0	105	1.19	0.42	350.0
	106	1.31	0.46	350.0	115	1.34	0.47	350.0				
52	1	1.31	0.46	350.0	2	1.21	0.42	350.0	3	1.15	0.40	350.0
	4	1.25	0.44	350.0	5	1.39	0.49	350.0	14	1.53	0.54	350.0
	15	1.58	0.55	350.0	16	1.44	0.50	350.0	101	1.08	0.38	350.0
	102	1.00	0.35	350.0	104	1.14	0.40	350.0	105	1.09	0.38	350.0
	106	1.07	0.37	350.0	115	1.02	0.36	350.0				
53	1	1.83	0.64	350.0	2	2.02	0.71	350.0	3	2.07	0.72	350.0
	4	1.88	0.66	350.0	5	1.66	0.58	350.0	14	1.45	0.51	350.0
	15	1.38	0.48	350.0	16	1.60	0.56	350.0	101	2.57	0.90	350.0
	102	2.60	0.91	350.0	104	2.21	0.78	350.0	105	2.40	0.84	350.0
	106	2.25	0.79	350.0	115	2.43	0.85	350.0				
54	1	1.94	0.68	350.0	2	2.06	0.72	350.0	3	2.00	0.70	350.0
	4	1.88	0.66	350.0	5	1.73	0.61	350.0	14	1.59	0.56	350.0
	15	1.66	0.58	350.0	16	1.80	0.63	350.0	101	2.38	0.83	350.0
	102	2.34	0.82	350.0	104	2.17	0.76	350.0	105	2.28	0.80	350.0
	106	2.13	0.74	350.0	115	2.24	0.78	350.0				
55	1	1.93	0.68	350.0	2	2.05	0.72	350.0	3	2.01	0.70	350.0
	4	1.88	0.66	350.0	5	1.74	0.61	350.0	14	1.59	0.56	350.0
	15	1.65	0.58	350.0	16	1.79	0.63	350.0	101	2.38	0.83	350.0
	102	2.34	0.82	350.0	104	2.17	0.76	350.0	105	2.28	0.80	350.0
	106	2.13	0.74	350.0	115	2.24	0.78	350.0				
56	1	1.83	0.64	350.0	2	2.02	0.71	350.0	3	2.06	0.72	350.0
	4	1.88	0.66	350.0	5	1.66	0.58	350.0	14	1.45	0.51	350.0
	15	1.38	0.48	350.0	16	1.60	0.56	350.0	101	2.57	0.90	350.0
	102	2.60	0.91	350.0	104	2.22	0.78	350.0	105	2.40	0.84	350.0
	106	2.25	0.79	350.0	115	2.43	0.85	350.0				
57	1	1.88	0.66	350.0	2	2.00	0.70	350.0	3	2.06	0.72	350.0
	4	1.94	0.68	350.0	5	1.80	0.63	350.0	14	1.66	0.58	350.0
	15	1.59	0.56	350.0	16	1.74	0.61	350.0	101	2.34	0.82	350.0
	102	2.38	0.83	350.0	104	2.13	0.74	350.0	105	2.24	0.78	350.0
	106	2.17	0.76	350.0	115	2.28	0.80	350.0				
58	1	1.88	0.66	350.0	2	2.07	0.72	350.0	3	2.02	0.71	350.0
	4	1.83	0.64	350.0	5	1.60	0.56	350.0	14	1.38	0.48	350.0
	15	1.45	0.51	350.0	16	1.66	0.58	350.0	101	2.60	0.91	350.0
	102	2.57	0.90	350.0	104	2.26	0.79	350.0	105	2.43	0.85	350.0
	106	2.22	0.78	350.0	115	2.40	0.84	350.0				
59	1	1.88	0.66	350.0	2	2.06	0.72	350.0	3	2.02	0.71	350.0
	4	1.83	0.64	350.0	5	1.60	0.56	350.0	14	1.38	0.48	350.0
	15	1.45	0.51	350.0	16	1.66	0.58	350.0	101	2.60	0.91	350.0
	102	2.57	0.90	350.0	104	2.25	0.79	350.0	105	2.43	0.85	350.0
	106	2.22	0.78	350.0	115	2.40	0.84	350.0				
60	1	1.88	0.66	350.0	2	2.01	0.70	350.0	3	2.05	0.72	350.0
	4	1.93	0.68	350.0	5	1.79	0.63	350.0	14	1.66	0.58	350.0
	15	1.59	0.56	350.0	16	1.74	0.61	350.0	101	2.34	0.82	350.0
	102	2.38	0.83	350.0	104	2.13	0.74	350.0	105	2.24	0.78	350.0
	106	2.17	0.76	350.0	115	2.28	0.80	350.0				
61	1	2.19	0.77	350.0	2	2.01	0.70	350.0	3	1.94	0.68	350.0
	4	2.13	0.75	350.0	5	2.33	0.82	350.0	14	2.52	0.88	350.0
	15	2.57	0.90	350.0	16	2.38	0.83	350.0	101	1.52	0.53	350.0
	102	1.42	0.50	350.0	104	1.84	0.64	350.0	105	1.67	0.58	350.0
	106	1.76	0.62	350.0	115	1.59	0.55	350.0				
62	1	2.19	0.76	350.0	2	1.93	0.67	350.0	3	1.99	0.70	350.0
	4	2.24	0.78	350.0	5	2.51	0.88	350.0	14	2.77	0.97	350.0
	15	2.73	0.96	350.0	16	2.47	0.86	350.0	101	1.20	0.42	350.0
	102	1.31	0.46	350.0	104	1.67	0.59	350.0	105	1.43	0.50	350.0
	106	1.75	0.61	350.0	115	1.52	0.53	350.0				
63	1	2.18	0.76	350.0	2	1.92	0.67	350.0	3	1.99	0.70	350.0
	4	2.24	0.78	350.0	5	2.51	0.88	350.0	14	2.77	0.97	350.0
	15	2.73	0.96	350.0	16	2.47	0.86	350.0	101	1.20	0.42	350.0
	102	1.30	0.46	350.0	104	1.67	0.59	350.0	105	1.43	0.50	350.0
	106	1.75	0.61	350.0	115	1.52	0.53	350.0				
64	1	2.19	0.77	350.0	2	2.01	0.70	350.0	3	1.94	0.68	350.0
	4	2.13	0.74	350.0	5	2.33	0.82	350.0	14	2.52	0.88	350.0
	15	2.57	0.90	350.0	16	2.38	0.83	350.0	101	1.52	0.53	350.0
	102	1.42	0.50	350.0	104	1.84	0.64	350.0	105	1.67	0.58	350.0
	106	1.76	0.62	350.0	115	1.58	0.55	350.0				
65	1	2.24	0.78	350.0	2	1.99	0.70	350.0	3	1.93	0.67	350.0
	4	2.19	0.77	350.0	5	2.47	0.86	350.0	14	2.74	0.96	350.0
	15	2.78	0.97	350.0	16	2.51	0.88	350.0	101	1.30	0.46	350.0
	102	1.20	0.42	350.0	104	1.75	0.61	350.0	105	1.52	0.53	350.0
	106	1.67	0.59	350.0	115	1.43	0.50	350.0				
66	1	2.13	0.74	350.0	2	1.94	0.68	350.0	3	2.01	0.70	350.0
	4	2.19	0.77	350.0	5	2.38	0.83	350.0	14	2.57	0.90	350.0
	15	2.52	0.88	350.0	16	2.33	0.82	350.0	101	1.43	0.50	350.0
	102	1.52	0.53	350.0	104	1.76	0.62	350.0	105	1.59	0.56	350.0
	106	1.84	0.64	350.0	115	1.67	0.58	350.0				

67	1	2.13	0.74	350.0	2	1.94	0.68	350.0	3	2.01	0.70	350.0
	4	2.19	0.77	350.0	5	2.38	0.83	350.0	14	2.57	0.90	350.0
	15	2.52	0.88	350.0	16	2.33	0.81	350.0	101	1.42	0.50	350.0
	102	1.52	0.53	350.0	104	1.76	0.62	350.0	105	1.58	0.55	350.0
	106	1.84	0.64	350.0	115	1.67	0.58	350.0				
68	1	2.24	0.78	350.0	2	1.99	0.70	350.0	3	1.92	0.67	350.0
	4	2.18	0.76	350.0	5	2.47	0.86	350.0	14	2.73	0.96	350.0
	15	2.78	0.97	350.0	16	2.52	0.88	350.0	101	1.30	0.46	350.0
	102	1.20	0.42	350.0	104	1.75	0.61	350.0	105	1.52	0.53	350.0
	106	1.67	0.59	350.0	115	1.43	0.50	350.0				

Cmb	**1000 etaT/h**
	2.78

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	CDC	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	6	-0.04	9.24e-03	-0.02	-9.00e-05	-3.05e-04	1.72e-05
1	9	-0.01	-0.06	0.18	1.04e-03	8.47e-05	4.20e-05
2	6	-0.58	0.12	-0.02	-2.75e-04	-6.55e-04	-1.85e-04
2	9	-0.11	-1.26	0.18	2.91e-03	3.99e-05	3.93e-04
3	6	-0.04	3.76e-03	9.82e-03	-3.81e-05	-2.01e-04	1.64e-05
3	9	-8.97e-03	-0.05	0.15	8.80e-04	-4.44e-06	3.56e-05
4	6	-0.58	0.05	0.01	-1.13e-04	-5.89e-04	-1.86e-04
4	9	-0.11	-1.12	0.15	2.67e-03	-7.48e-05	4.06e-04
5	6	-0.04	-9.13e-04	-4.32e-03	-1.47e-05	-5.19e-05	-1.52e-05
5	8	6.81e-03	-0.04	0.15	8.83e-04	-2.88e-05	-2.61e-05
6	6	-0.58	-0.01	-4.36e-03	3.75e-05	-2.11e-04	-1.87e-04
6	8	0.08	-1.04	0.15	2.81e-03	-8.34e-06	-3.04e-04
7	7	-0.04	9.29e-04	-4.23e-03	1.47e-05	-5.20e-05	1.55e-05
7	8	-6.81e-03	-0.04	-0.15	8.84e-04	2.87e-05	-2.61e-05
8	7	-0.58	0.01	-4.27e-03	-3.82e-05	-2.11e-04	1.91e-04
8	8	-0.08	-1.04	-0.15	2.81e-03	8.13e-06	-3.05e-04
9	7	-0.04	-3.84e-03	9.90e-03	3.84e-05	-1.91e-04	-1.66e-05
9	9	8.92e-03	-0.05	-0.15	8.65e-04	4.55e-06	3.67e-05
10	7	-0.58	-0.05	0.01	1.16e-04	-5.90e-04	1.90e-04
10	9	0.11	-1.12	-0.15	2.68e-03	7.44e-05	4.07e-04
11	7	-0.04	-9.43e-03	-0.02	9.02e-05	-2.96e-04	1.75e-05
11	9	0.01	-0.06	-0.18	1.02e-03	-8.78e-05	4.31e-05
12	7	-0.58	-0.12	-0.02	2.80e-04	-6.56e-04	1.88e-04
12	9	0.11	-1.26	-0.18	2.92e-03	-3.96e-05	3.93e-04
13	7	-0.04	-0.02	-0.10	2.00e-04	-4.82e-04	-2.10e-05
13	9	0.01	-0.08	-0.26	1.61e-03	-2.16e-04	5.72e-05
14	7	-0.58	-0.20	-0.10	3.96e-04	-7.93e-04	1.76e-04
14	9	0.10	-1.39	-0.26	2.88e-03	-5.07e-05	3.64e-04
15	6	-0.04	0.02	-0.10	-1.98e-04	-4.87e-04	2.06e-05
15	9	-0.01	-0.08	0.26	1.63e-03	2.10e-04	5.61e-05
16	6	-0.58	0.19	-0.10	-3.88e-04	-7.93e-04	-1.73e-04
16	9	-0.11	-1.39	0.26	2.88e-03	5.13e-05	3.64e-04
17	7	-0.04	-9.42e-03	-0.02	7.18e-05	-1.82e-04	0.0
17	9	8.55e-03	-0.06	-0.14	8.25e-04	-9.27e-05	0.0
18	7	-0.04	-9.60e-03	-0.02	7.20e-05	-1.82e-04	0.0
18	9	8.59e-03	-0.06	-0.15	8.21e-04	-9.46e-05	0.0
19	7	-0.04	-9.62e-03	-0.02	8.50e-05	-2.58e-04	1.62e-05
19	9	0.01	-0.06	-0.18	9.68e-04	-8.75e-05	3.88e-05
20	7	-0.04	-0.01	-0.02	8.16e-05	-1.76e-04	0.0
20	9	8.72e-03	-0.06	-0.15	8.25e-04	-1.08e-04	0.0
21	7	-0.04	-0.01	-0.03	8.54e-05	-1.74e-04	1.49e-05
21	9	0.01	-0.06	-0.18	8.75e-04	-1.02e-04	3.58e-05
22	7	-0.04	-0.01	-0.03	8.69e-05	-1.61e-04	0.0
22	9	8.81e-03	-0.06	-0.16	8.30e-04	-1.28e-04	0.0
23	7	-0.04	-0.01	-0.03	8.90e-05	-1.54e-04	1.53e-05
23	9	0.01	-0.06	-0.19	8.58e-04	-1.33e-04	3.86e-05
24	7	-0.04	-0.01	-0.03	8.96e-05	-1.65e-04	0.0
24	9	8.89e-03	-0.06	-0.16	8.49e-04	-1.50e-04	0.0

25	7	-0.04	-0.01	-0.04	9.12e-05	-1.60e-04	1.56e-05
25	9	0.01	-0.06	-0.20	8.70e-04	-1.74e-04	4.05e-05
26	7	-0.04	-0.01	-0.04	9.41e-05	-1.84e-04	0.0
26	9	8.97e-03	-0.07	-0.17	8.84e-04	-1.74e-04	0.0
27	7	-0.04	-0.01	-0.04	9.56e-05	-1.80e-04	1.59e-05
27	9	0.01	-0.07	-0.20	9.05e-04	-2.16e-04	4.18e-05
28	7	-0.04	-0.01	-0.05	1.01e-04	-2.13e-04	0.0
28	9	9.04e-03	-0.07	-0.17	9.38e-04	-1.94e-04	0.0
29	7	-0.04	-0.01	-0.05	1.04e-04	-2.11e-04	1.61e-05
29	9	0.01	-0.07	-0.21	9.64e-04	-2.56e-04	4.30e-05
30	7	-0.04	-0.01	-0.06	1.12e-04	-2.52e-04	0.0
30	9	9.10e-03	-0.07	-0.18	1.01e-03	-2.04e-04	0.0
31	7	-0.04	-0.01	-0.06	1.16e-04	-2.53e-04	1.65e-05
31	9	0.01	-0.07	-0.22	1.05e-03	-2.90e-04	4.47e-05
32	7	-0.04	-0.01	-0.07	1.27e-04	-2.99e-04	0.0
32	9	9.13e-03	-0.07	-0.19	1.11e-03	-1.96e-04	0.0
33	7	-0.04	-0.01	-0.07	1.33e-04	-3.05e-04	1.74e-05
33	9	0.01	-0.07	-0.24	1.17e-03	-3.10e-04	4.87e-05
34	7	-0.04	-0.01	-0.08	1.45e-04	-3.47e-04	0.0
34	9	9.13e-03	-0.07	-0.20	1.19e-03	-1.76e-04	0.0
35	7	-0.04	-0.01	-0.08	1.59e-04	-3.78e-04	1.95e-05
35	9	0.01	-0.07	-0.25	1.34e-03	-2.93e-04	5.56e-05
36	7	-0.04	-0.02	-0.10	1.74e-04	-3.98e-04	-1.95e-05
36	9	9.19e-03	-0.08	-0.20	1.29e-03	-1.27e-04	4.80e-05
37	1	2.38e-05	-9.12e-06	-0.13	7.69e-05	-1.05e-05	0.0
37	7	-0.04	-9.40e-03	-0.01	6.24e-05	-1.48e-04	0.0
37	9	7.00e-03	-0.06	-0.11	7.27e-04	-8.01e-05	0.0
38	1	2.43e-05	-9.05e-06	-0.13	7.67e-05	-9.78e-06	0.0
38	7	-0.04	-9.58e-03	-0.01	6.41e-05	-1.54e-04	0.0
38	9	7.03e-03	-0.06	-0.12	7.35e-04	-8.40e-05	0.0
39	1	2.59e-05	-7.79e-06	-0.13	7.45e-05	-8.82e-06	0.0
39	7	-0.04	-0.01	-0.02	7.26e-05	-1.59e-04	0.0
39	9	7.12e-03	-0.06	-0.12	7.57e-04	-9.80e-05	0.0
40	1	2.70e-05	-5.71e-06	-0.13	7.13e-05	-1.15e-05	0.0
40	7	-0.04	-0.01	-0.03	7.94e-05	-1.60e-04	0.0
40	9	7.19e-03	-0.06	-0.12	7.79e-04	-1.10e-04	0.0
41	1	2.76e-05	-3.91e-06	-0.13	6.87e-05	-1.75e-05	0.0
41	7	-0.04	-0.01	-0.03	8.38e-05	-1.68e-04	0.0
41	9	7.25e-03	-0.06	-0.13	8.05e-04	-1.21e-04	0.0
42	7	-0.04	-0.01	-0.04	8.84e-05	-1.86e-04	0.0
42	9	7.30e-03	-0.07	-0.13	8.40e-04	-1.31e-04	0.0
43	7	-0.04	-0.01	-0.05	9.48e-05	-2.13e-04	0.0
43	9	7.33e-03	-0.07	-0.14	8.85e-04	-1.37e-04	0.0
44	7	-0.04	-0.01	-0.05	1.03e-04	-2.47e-04	0.0
44	9	7.35e-03	-0.07	-0.14	9.39e-04	-1.33e-04	0.0
45	7	-0.04	-0.01	-0.07	1.14e-04	-2.85e-04	0.0
45	9	7.34e-03	-0.07	-0.15	9.97e-04	-1.17e-04	0.0
46	7	-0.04	-0.01	-0.08	1.30e-04	-3.24e-04	0.0
46	9	7.34e-03	-0.07	-0.15	1.05e-03	-9.15e-05	0.0
47	7	-0.04	-0.02	-0.09	1.54e-04	-3.44e-04	1.76e-05
47	9	7.36e-03	-0.08	-0.15	1.08e-03	-7.28e-05	4.39e-05
48	1	2.29e-05	-6.36e-06	-0.13	6.31e-05	-1.06e-05	0.0
48	7	-0.04	-9.39e-03	-0.01	5.73e-05	-1.28e-04	0.0
48	9	5.44e-03	-0.06	-0.09	6.74e-04	-6.18e-05	0.0
49	1	2.34e-05	-6.34e-06	-0.13	6.30e-05	-1.06e-05	0.0
49	7	-0.04	-9.57e-03	-0.01	5.83e-05	-1.33e-04	0.0
49	9	5.46e-03	-0.06	-0.09	6.79e-04	-6.48e-05	0.0
50	1	2.48e-05	-5.67e-06	-0.13	6.18e-05	-1.12e-05	0.0
50	7	-0.04	-0.01	-0.02	6.40e-05	-1.47e-04	0.0
50	9	5.53e-03	-0.06	-0.09	7.00e-04	-7.55e-05	0.0
51	1	2.59e-05	-4.44e-06	-0.13	5.98e-05	-1.40e-05	0.0
51	7	-0.04	-0.01	-0.02	7.03e-05	-1.57e-04	0.0
51	9	5.58e-03	-0.06	-0.09	7.25e-04	-8.48e-05	0.0
52	1	2.65e-05	-3.25e-06	-0.13	5.81e-05	-1.91e-05	0.0
52	7	-0.04	-0.01	-0.03	7.53e-05	-1.68e-04	0.0
52	9	5.62e-03	-0.06	-0.10	7.53e-04	-9.10e-05	0.0
53	1	2.68e-05	-2.50e-06	-0.13	5.75e-05	-2.57e-05	0.0
53	7	-0.04	-0.01	-0.04	8.00e-05	-1.87e-04	0.0
53	9	5.65e-03	-0.07	-0.10	7.86e-04	-9.39e-05	0.0
54	1	2.69e-05	-2.41e-06	-0.13	5.84e-05	-3.30e-05	0.0
54	7	-0.04	-0.01	-0.04	8.54e-05	-2.11e-04	0.0
54	9	5.66e-03	-0.07	-0.10	8.22e-04	-9.23e-05	0.0
55	1	2.69e-05	-3.12e-06	-0.13	6.10e-05	-3.98e-05	0.0
55	7	-0.04	-0.01	-0.05	9.19e-05	-2.40e-04	0.0
55	9	5.66e-03	-0.07	-0.11	8.60e-04	-8.47e-05	0.0
56	1	2.69e-05	-4.74e-06	-0.13	6.52e-05	-4.48e-05	0.0
56	7	-0.04	-0.01	-0.06	1.00e-04	-2.71e-04	0.0

56	9	5.65e-03	-0.07	-0.11	8.96e-04	-7.18e-05	0.0
57	1	2.69e-05	-7.24e-06	-0.14	7.08e-05	-4.72e-05	0.0
57	7	-0.04	-0.01	-0.07	1.13e-04	-2.96e-04	0.0
57	9	5.64e-03	-0.07	-0.11	9.27e-04	-5.62e-05	0.0
58	1	2.72e-05	-1.02e-05	-0.14	7.77e-05	-4.70e-05	0.0
58	7	-0.04	-0.02	-0.09	1.29e-04	-3.08e-04	1.66e-05
58	9	5.66e-03	-0.07	-0.11	9.43e-04	-4.10e-05	4.15e-05
59	1	2.23e-05	-4.21e-06	-0.12	4.69e-05	-1.07e-05	0.0
59	7	-0.04	-9.39e-03	-9.66e-03	5.31e-05	-1.16e-04	0.0
59	9	3.89e-03	-0.06	-0.06	6.31e-04	-4.41e-05	0.0
60	1	2.27e-05	-4.20e-06	-0.12	4.69e-05	-1.10e-05	0.0
60	7	-0.04	-9.57e-03	-0.01	5.39e-05	-1.22e-04	0.0
60	9	3.90e-03	-0.06	-0.06	6.36e-04	-4.59e-05	0.0
61	1	2.39e-05	-3.85e-06	-0.12	4.62e-05	-1.26e-05	0.0
61	7	-0.04	-0.01	-0.02	5.77e-05	-1.38e-04	0.0
61	9	3.95e-03	-0.06	-0.06	6.56e-04	-5.28e-05	0.0
62	1	2.49e-05	-3.15e-06	-0.13	4.51e-05	-1.55e-05	0.0
62	7	-0.04	-0.01	-0.02	6.23e-05	-1.52e-04	0.0
62	9	3.99e-03	-0.06	-0.07	6.80e-04	-5.86e-05	0.0
63	1	2.54e-05	-2.43e-06	-0.13	4.41e-05	-2.00e-05	0.0
63	7	-0.04	-0.01	-0.03	6.67e-05	-1.68e-04	0.0
63	9	4.01e-03	-0.06	-0.07	7.06e-04	-6.20e-05	0.0
64	1	2.57e-05	-1.98e-06	-0.13	4.39e-05	-2.56e-05	0.0
64	7	-0.04	-0.01	-0.03	7.10e-05	-1.86e-04	0.0
64	9	4.02e-03	-0.07	-0.07	7.35e-04	-6.21e-05	0.0
65	1	2.57e-05	-1.97e-06	-0.13	4.46e-05	-3.15e-05	0.0
65	7	-0.04	-0.01	-0.04	7.54e-05	-2.09e-04	0.0
65	9	4.03e-03	-0.07	-0.07	7.63e-04	-5.88e-05	0.0
66	1	2.56e-05	-2.53e-06	-0.13	4.65e-05	-3.68e-05	0.0
66	7	-0.04	-0.01	-0.05	8.00e-05	-2.34e-04	0.0
66	9	4.02e-03	-0.07	-0.07	7.91e-04	-5.22e-05	0.0
67	1	2.56e-05	-3.68e-06	-0.13	4.95e-05	-4.06e-05	0.0
67	7	-0.04	-0.01	-0.06	8.55e-05	-2.58e-04	0.0
67	9	4.01e-03	-0.07	-0.08	8.16e-04	-4.35e-05	0.0
68	1	2.56e-05	-5.32e-06	-0.13	5.36e-05	-4.20e-05	0.0
68	7	-0.04	-0.01	-0.07	9.31e-05	-2.76e-04	0.0
68	9	4.01e-03	-0.07	-0.08	8.36e-04	-3.40e-05	0.0
69	1	2.60e-05	-7.13e-06	-0.13	5.85e-05	-4.14e-05	0.0
69	7	-0.04	-0.02	-0.08	1.03e-04	-2.82e-04	1.62e-05
69	9	4.02e-03	-0.07	-0.08	8.47e-04	-2.33e-05	4.04e-05
70	1	2.18e-05	-2.42e-06	-0.12	2.91e-05	-1.08e-05	0.0
70	7	-0.04	-9.39e-03	-8.87e-03	5.06e-05	-1.09e-04	0.0
70	9	2.34e-03	-0.06	-0.04	6.01e-04	-2.64e-05	0.0
71	1	2.22e-05	-2.42e-06	-0.12	2.91e-05	-1.12e-05	0.0
71	7	-0.04	-9.57e-03	-0.01	5.13e-05	-1.15e-04	0.0
71	9	2.35e-03	-0.06	-0.04	6.06e-04	-2.75e-05	0.0
72	1	2.33e-05	-2.25e-06	-0.12	2.87e-05	-1.33e-05	0.0
72	7	-0.04	-0.01	-0.01	5.40e-05	-1.32e-04	0.0
72	9	2.38e-03	-0.06	-0.04	6.26e-04	-3.12e-05	0.0
73	1	2.41e-05	-1.90e-06	-0.12	2.82e-05	-1.64e-05	0.0
73	7	-0.04	-0.01	-0.02	5.73e-05	-1.49e-04	0.0
73	9	2.40e-03	-0.06	-0.04	6.48e-04	-3.43e-05	0.0
74	1	2.46e-05	-1.53e-06	-0.12	2.77e-05	-2.05e-05	0.0
74	7	-0.04	-0.01	-0.03	6.08e-05	-1.66e-04	0.0
74	9	2.42e-03	-0.06	-0.04	6.71e-04	-3.58e-05	0.0
75	1	2.49e-05	-1.31e-06	-0.13	2.76e-05	-2.54e-05	0.0
75	7	-0.04	-0.01	-0.03	6.43e-05	-1.86e-04	0.0
75	9	2.42e-03	-0.07	-0.04	6.96e-04	-3.53e-05	0.0
76	1	2.49e-05	-1.34e-06	-0.13	2.81e-05	-3.04e-05	0.0
76	7	-0.04	-0.01	-0.04	6.76e-05	-2.07e-04	0.0
76	9	2.42e-03	-0.07	-0.04	7.20e-04	-3.27e-05	0.0
77	1	2.48e-05	-1.70e-06	-0.13	2.93e-05	-3.48e-05	0.0
77	7	-0.04	-0.01	-0.05	7.05e-05	-2.29e-04	0.0
77	9	2.42e-03	-0.07	-0.04	7.42e-04	-2.86e-05	0.0
78	1	2.48e-05	-2.39e-06	-0.13	3.11e-05	-3.78e-05	0.0
78	7	-0.04	-0.01	-0.06	7.31e-05	-2.49e-04	0.0
78	9	2.41e-03	-0.07	-0.05	7.61e-04	-2.36e-05	0.0
79	1	2.49e-05	-3.32e-06	-0.13	3.36e-05	-3.86e-05	0.0
79	7	-0.04	-0.01	-0.07	7.61e-05	-2.62e-04	0.0
79	9	2.41e-03	-0.07	-0.05	7.77e-04	-1.82e-05	0.0
80	1	2.53e-05	-4.32e-06	-0.13	3.65e-05	-3.75e-05	0.0
80	7	-0.04	-0.02	-0.08	7.95e-05	-2.66e-04	1.60e-05
80	9	2.42e-03	-0.07	-0.05	7.84e-04	-1.17e-05	3.98e-05
81	1	2.16e-05	0.0	-0.12	1.03e-05	-1.08e-05	0.0
81	7	-0.04	-9.39e-03	-8.78e-03	5.03e-05	-1.07e-04	0.0
81	9	8.07e-04	-0.06	-0.01	5.85e-04	-9.04e-06	0.0
82	1	2.19e-05	0.0	-0.12	1.03e-05	-1.13e-05	0.0

82	7	-0.04	-9.57e-03	-0.01	5.11e-05	-1.12e-04	0.0
82	9	8.10e-04	-0.06	-0.01	5.90e-04	-9.39e-06	0.0
83	1	2.29e-05	0.0	-0.12	1.02e-05	-1.36e-05	0.0
83	7	-0.04	-0.01	-0.01	5.38e-05	-1.30e-04	0.0
83	9	8.19e-04	-0.06	-0.01	6.09e-04	-1.06e-05	0.0
84	1	2.37e-05	0.0	-0.12	9.99e-06	-1.67e-05	0.0
84	7	-0.04	-0.01	-0.02	5.67e-05	-1.48e-04	0.0
84	9	8.26e-04	-0.06	-0.01	6.30e-04	-1.16e-05	0.0
85	1	2.42e-05	0.0	-0.12	9.84e-06	-2.07e-05	0.0
85	7	-0.04	-0.01	-0.03	5.98e-05	-1.66e-04	0.0
85	9	8.31e-04	-0.06	-0.01	6.53e-04	-1.20e-05	0.0
86	1	2.45e-05	0.0	-0.12	9.82e-06	-2.53e-05	0.0
86	7	-0.04	-0.01	-0.03	6.29e-05	-1.86e-04	0.0
86	9	8.33e-04	-0.07	-0.01	6.75e-04	-1.17e-05	0.0
87	1	2.45e-05	0.0	-0.13	1.00e-05	-2.99e-05	0.0
87	7	-0.04	-0.01	-0.04	6.56e-05	-2.06e-04	0.0
87	9	8.33e-04	-0.07	-0.01	6.97e-04	-1.07e-05	0.0
88	1	2.44e-05	0.0	-0.13	1.04e-05	-3.38e-05	0.0
88	7	-0.04	-0.01	-0.05	6.76e-05	-2.26e-04	0.0
88	9	8.31e-04	-0.07	-0.02	7.16e-04	-9.19e-06	0.0
89	1	2.44e-05	0.0	-0.13	1.11e-05	-3.63e-05	0.0
89	7	-0.04	-0.01	-0.06	6.89e-05	-2.44e-04	0.0
89	9	8.29e-04	-0.07	-0.02	7.33e-04	-7.39e-06	0.0
90	1	2.46e-05	-1.30e-06	-0.13	1.19e-05	-3.68e-05	0.0
90	7	-0.04	-0.01	-0.07	6.93e-05	-2.56e-04	0.0
90	9	8.28e-04	-0.07	-0.02	7.46e-04	-5.43e-06	0.0
91	1	2.50e-05	-1.65e-06	-0.13	1.29e-05	-3.55e-05	0.0
91	7	-0.04	-0.02	-0.08	6.86e-05	-2.59e-04	1.58e-05
91	9	8.31e-04	-0.07	-0.02	7.52e-04	-3.14e-06	3.96e-05
92	1	2.16e-05	0.0	-0.12	-8.90e-06	-1.08e-05	0.0
92	6	-0.04	9.20e-03	-8.80e-03	-4.95e-05	-1.07e-04	0.0
92	9	-7.30e-04	-0.06	0.01	5.85e-04	8.17e-06	0.0
93	1	2.19e-05	0.0	-0.12	-8.89e-06	-1.13e-05	0.0
93	6	-0.04	9.38e-03	-0.01	-5.03e-05	-1.12e-04	0.0
93	9	-7.32e-04	-0.06	0.01	5.90e-04	8.48e-06	0.0
94	1	2.29e-05	0.0	-0.12	-8.80e-06	-1.36e-05	0.0
94	6	-0.04	9.99e-03	-0.01	-5.30e-05	-1.30e-04	0.0
94	9	-7.40e-04	-0.06	0.01	6.09e-04	9.54e-06	0.0
95	1	2.37e-05	0.0	-0.12	-8.65e-06	-1.67e-05	0.0
95	6	-0.04	0.01	-0.02	-5.59e-05	-1.48e-04	0.0
95	9	-7.45e-04	-0.06	0.01	6.30e-04	1.04e-05	0.0
96	1	2.42e-05	0.0	-0.12	-8.53e-06	-2.07e-05	0.0
96	6	-0.04	0.01	-0.03	-5.89e-05	-1.66e-04	0.0
96	9	-7.49e-04	-0.06	0.01	6.52e-04	1.08e-05	0.0
97	1	2.44e-05	0.0	-0.12	-8.52e-06	-2.53e-05	0.0
97	6	-0.04	0.01	-0.03	-6.19e-05	-1.86e-04	0.0
97	9	-7.51e-04	-0.07	0.01	6.74e-04	1.06e-05	0.0
98	1	2.44e-05	0.0	-0.13	-8.68e-06	-2.98e-05	0.0
98	6	-0.04	0.01	-0.04	-6.46e-05	-2.06e-04	0.0
98	9	-7.50e-04	-0.07	0.01	6.96e-04	9.92e-06	0.0
99	1	2.44e-05	0.0	-0.13	-9.04e-06	-3.38e-05	0.0
99	6	-0.04	0.01	-0.05	-6.66e-05	-2.27e-04	0.0
99	9	-7.49e-04	-0.07	0.01	7.15e-04	8.88e-06	0.0
100	1	2.44e-05	0.0	-0.13	-9.59e-06	-3.63e-05	0.0
100	6	-0.04	0.01	-0.06	-6.77e-05	-2.44e-04	0.0
100	9	-7.48e-04	-0.07	0.01	7.31e-04	7.68e-06	0.0
101	1	2.46e-05	0.0	-0.13	-1.03e-05	-3.67e-05	0.0
101	6	-0.04	0.01	-0.07	-6.82e-05	-2.56e-04	0.0
101	9	-7.49e-04	-0.07	0.01	7.45e-04	6.30e-06	0.0
102	1	2.50e-05	0.0	-0.13	-1.12e-05	-3.54e-05	0.0
102	6	-0.04	0.02	-0.08	-6.74e-05	-2.58e-04	-1.55e-05
102	9	-7.51e-04	-0.07	0.01	7.50e-04	4.49e-06	3.96e-05
103	1	2.18e-05	2.30e-06	-0.12	-2.78e-05	-1.08e-05	0.0
103	6	-0.04	9.20e-03	-8.84e-03	-4.95e-05	-1.09e-04	0.0
103	9	-2.27e-03	-0.06	0.03	5.99e-04	2.55e-05	0.0
104	1	2.21e-05	2.28e-06	-0.12	-2.78e-05	-1.13e-05	0.0
104	6	-0.04	9.38e-03	-0.01	-5.02e-05	-1.14e-04	0.0
104	9	-2.28e-03	-0.06	0.03	6.04e-04	2.65e-05	0.0
105	1	2.32e-05	2.08e-06	-0.12	-2.74e-05	-1.33e-05	0.0
105	6	-0.04	9.99e-03	-0.01	-5.29e-05	-1.32e-04	0.0
105	9	-2.30e-03	-0.06	0.04	6.23e-04	3.01e-05	0.0
106	1	2.40e-05	1.70e-06	-0.12	-2.69e-05	-1.64e-05	0.0
106	6	-0.04	0.01	-0.02	-5.60e-05	-1.49e-04	0.0
106	9	-2.32e-03	-0.06	0.04	6.45e-04	3.29e-05	0.0
107	1	2.45e-05	1.31e-06	-0.12	-2.65e-05	-2.05e-05	0.0
107	6	-0.04	0.01	-0.03	-5.94e-05	-1.66e-04	0.0
107	9	-2.33e-03	-0.06	0.04	6.69e-04	3.44e-05	0.0

108	1	2.48e-05	1.05e-06	-0.13	-2.64e-05	-2.54e-05	0.0
108	6	-0.04	0.01	-0.03	-6.28e-05	-1.86e-04	0.0
108	9	-2.34e-03	-0.07	0.04	6.93e-04	3.40e-05	0.0
109	1	2.48e-05	1.04e-06	-0.13	-2.69e-05	-3.04e-05	0.0
109	6	-0.04	0.01	-0.04	-6.59e-05	-2.07e-04	0.0
109	9	-2.34e-03	-0.07	0.04	7.17e-04	3.17e-05	0.0
110	1	2.47e-05	1.33e-06	-0.13	-2.80e-05	-3.47e-05	0.0
110	6	-0.04	0.01	-0.05	-6.87e-05	-2.29e-04	0.0
110	9	-2.33e-03	-0.07	0.04	7.39e-04	2.80e-05	0.0
111	1	2.47e-05	1.93e-06	-0.13	-2.97e-05	-3.76e-05	0.0
111	6	-0.04	0.01	-0.06	-7.11e-05	-2.48e-04	0.0
111	9	-2.33e-03	-0.07	0.04	7.57e-04	2.37e-05	0.0
112	1	2.48e-05	2.75e-06	-0.13	-3.21e-05	-3.84e-05	0.0
112	6	-0.04	0.01	-0.07	-7.38e-05	-2.62e-04	0.0
112	9	-2.33e-03	-0.07	0.04	7.73e-04	1.90e-05	0.0
113	1	2.52e-05	3.63e-06	-0.13	-3.49e-05	-3.73e-05	0.0
113	6	-0.04	0.02	-0.08	-7.68e-05	-2.66e-04	-1.56e-05
113	9	-2.34e-03	-0.07	0.04	7.80e-04	1.30e-05	3.98e-05
114	1	2.21e-05	4.07e-06	-0.12	-4.57e-05	-1.07e-05	0.0
114	6	-0.04	9.20e-03	-9.56e-03	-5.18e-05	-1.15e-04	0.0
114	9	-3.81e-03	-0.06	0.06	6.27e-04	4.32e-05	0.0
115	1	2.25e-05	4.04e-06	-0.12	-4.57e-05	-1.11e-05	0.0
115	6	-0.04	9.38e-03	-0.01	-5.26e-05	-1.21e-04	0.0
115	9	-3.82e-03	-0.06	0.06	6.33e-04	4.51e-05	0.0
116	1	2.37e-05	3.65e-06	-0.12	-4.50e-05	-1.27e-05	0.0
116	6	-0.04	1.00e-02	-0.02	-5.63e-05	-1.37e-04	0.0
116	9	-3.87e-03	-0.06	0.06	6.53e-04	5.15e-05	0.0
117	1	2.47e-05	2.94e-06	-0.13	-4.39e-05	-1.56e-05	0.0
117	6	-0.04	0.01	-0.02	-6.06e-05	-1.52e-04	0.0
117	9	-3.90e-03	-0.06	0.06	6.76e-04	5.71e-05	0.0
118	1	2.52e-05	2.22e-06	-0.13	-4.30e-05	-2.01e-05	0.0
118	6	-0.04	0.01	-0.03	-6.50e-05	-1.68e-04	0.0
118	9	-3.93e-03	-0.06	0.07	7.03e-04	6.04e-05	0.0
119	1	2.55e-05	1.74e-06	-0.13	-4.28e-05	-2.56e-05	0.0
119	6	-0.04	0.01	-0.03	-6.91e-05	-1.87e-04	0.0
119	9	-3.94e-03	-0.07	0.07	7.30e-04	6.05e-05	0.0
120	1	2.55e-05	1.69e-06	-0.13	-4.35e-05	-3.14e-05	0.0
120	6	-0.04	0.01	-0.04	-7.34e-05	-2.09e-04	0.0
120	9	-3.94e-03	-0.07	0.07	7.59e-04	5.73e-05	0.0
121	1	2.54e-05	2.18e-06	-0.13	-4.54e-05	-3.67e-05	0.0
121	6	-0.04	0.01	-0.05	-7.78e-05	-2.34e-04	0.0
121	9	-3.93e-03	-0.07	0.07	7.86e-04	5.10e-05	0.0
122	1	2.54e-05	3.24e-06	-0.13	-4.83e-05	-4.03e-05	0.0
122	6	-0.04	0.01	-0.06	-8.30e-05	-2.57e-04	0.0
122	9	-3.93e-03	-0.07	0.07	8.10e-04	4.31e-05	0.0
123	1	2.54e-05	4.75e-06	-0.13	-5.22e-05	-4.17e-05	0.0
123	6	-0.04	0.01	-0.07	-9.04e-05	-2.74e-04	0.0
123	9	-3.93e-03	-0.07	0.08	8.30e-04	3.46e-05	0.0
124	1	2.58e-05	6.41e-06	-0.13	-5.70e-05	-4.10e-05	0.0
124	6	-0.04	0.02	-0.08	-9.99e-05	-2.81e-04	-1.59e-05
124	9	-3.94e-03	-0.07	0.08	8.40e-04	2.47e-05	4.03e-05
125	1	2.27e-05	6.19e-06	-0.13	-6.20e-05	-1.07e-05	0.0
125	6	-0.04	9.21e-03	-0.01	-5.58e-05	-1.26e-04	0.0
125	9	-5.36e-03	-0.06	0.08	6.69e-04	6.13e-05	0.0
126	1	2.32e-05	6.15e-06	-0.13	-6.19e-05	-1.06e-05	0.0
126	6	-0.04	9.39e-03	-0.01	-5.69e-05	-1.32e-04	0.0
126	9	-5.38e-03	-0.06	0.09	6.75e-04	6.37e-05	0.0
127	1	2.46e-05	5.44e-06	-0.13	-6.07e-05	-1.14e-05	0.0
127	6	-0.04	0.01	-0.02	-6.23e-05	-1.46e-04	0.0
127	9	-5.45e-03	-0.06	0.09	6.95e-04	7.41e-05	0.0
128	1	2.56e-05	4.23e-06	-0.13	-5.88e-05	-1.41e-05	0.0
128	6	-0.04	0.01	-0.02	-6.84e-05	-1.56e-04	0.0
128	9	-5.50e-03	-0.06	0.09	7.20e-04	8.31e-05	0.0
129	1	2.62e-05	3.04e-06	-0.13	-5.72e-05	-1.92e-05	0.0
129	6	-0.04	0.01	-0.03	-7.34e-05	-1.69e-04	0.0
129	9	-5.54e-03	-0.06	0.09	7.49e-04	8.92e-05	0.0
130	1	2.65e-05	2.27e-06	-0.13	-5.67e-05	-2.57e-05	0.0
130	6	-0.04	0.01	-0.04	-7.80e-05	-1.87e-04	0.0
130	9	-5.56e-03	-0.07	0.10	7.80e-04	9.19e-05	0.0
131	1	2.66e-05	2.14e-06	-0.13	-5.75e-05	-3.29e-05	0.0
131	6	-0.04	0.01	-0.04	-8.32e-05	-2.11e-04	0.0
131	9	-5.57e-03	-0.07	0.10	8.16e-04	9.01e-05	0.0
132	1	2.66e-05	2.79e-06	-0.13	-6.01e-05	-3.95e-05	0.0
132	6	-0.04	0.01	-0.05	-8.96e-05	-2.40e-04	0.0
132	9	-5.57e-03	-0.07	0.11	8.54e-04	8.25e-05	0.0
133	1	2.66e-05	4.33e-06	-0.13	-6.42e-05	-4.45e-05	0.0
133	6	-0.04	0.01	-0.06	-9.77e-05	-2.70e-04	0.0

133	9	-5.56e-03	-0.07	0.11	8.88e-04	6.99e-05	0.0
134	1	2.66e-05	6.69e-06	-0.13	-6.97e-05	-4.68e-05	0.0
134	6	-0.04	0.01	-0.07	-1.10e-04	-2.94e-04	0.0
134	9	-5.55e-03	-0.07	0.11	9.17e-04	5.63e-05	0.0
135	1	2.69e-05	9.43e-06	-0.14	-7.65e-05	-4.65e-05	0.0
135	6	-0.04	0.02	-0.09	-1.26e-04	-3.05e-04	-1.62e-05
135	9	-5.57e-03	-0.07	0.11	9.34e-04	4.21e-05	4.10e-05
136	1	2.36e-05	8.92e-06	-0.13	-7.59e-05	-1.05e-05	0.0
136	6	-0.04	9.21e-03	-0.01	-6.10e-05	-1.47e-04	0.0
136	9	-6.92e-03	-0.06	0.11	7.24e-04	7.82e-05	0.0
137	1	2.40e-05	8.85e-06	-0.13	-7.58e-05	-9.87e-06	0.0
137	6	-0.04	9.39e-03	-0.01	-6.23e-05	-1.50e-04	0.0
137	9	-6.95e-03	-0.06	0.11	7.27e-04	8.39e-05	0.0
138	1	2.56e-05	7.51e-06	-0.13	-7.37e-05	-9.05e-06	0.0
138	6	-0.04	0.01	-0.02	-7.06e-05	-1.58e-04	0.0
138	9	-7.03e-03	-0.06	0.12	7.51e-04	9.66e-05	0.0
139	1	2.66e-05	5.52e-06	-0.13	-7.06e-05	-1.17e-05	0.0
139	6	-0.04	0.01	-0.02	-7.75e-05	-1.60e-04	0.0
139	9	-7.11e-03	-0.06	0.12	7.73e-04	1.08e-04	0.0
140	1	2.73e-05	3.73e-06	-0.13	-6.81e-05	-1.76e-05	0.0
140	6	-0.04	0.01	-0.03	-8.20e-05	-1.68e-04	0.0
140	9	-7.17e-03	-0.06	0.13	8.00e-04	1.19e-04	0.0
141	1	2.77e-05	2.64e-06	-0.13	-6.71e-05	-2.58e-05	0.0
141	6	-0.04	0.01	-0.04	-8.65e-05	-1.86e-04	0.0
141	9	-7.21e-03	-0.07	0.13	8.34e-04	1.29e-04	0.0
142	6	-0.04	0.01	-0.05	-9.26e-05	-2.13e-04	0.0
142	9	-7.24e-03	-0.07	0.14	8.79e-04	1.34e-04	0.0
143	6	-0.04	0.01	-0.05	-1.01e-04	-2.46e-04	0.0
143	9	-7.25e-03	-0.07	0.14	9.32e-04	1.30e-04	0.0
144	6	-0.04	0.01	-0.07	-1.12e-04	-2.85e-04	0.0
144	9	-7.25e-03	-0.07	0.15	9.90e-04	1.14e-04	0.0
145	6	-0.04	0.01	-0.08	-1.28e-04	-3.21e-04	0.0
145	9	-7.23e-03	-0.07	0.15	1.04e-03	8.91e-05	0.0
146	6	-0.04	0.02	-0.09	-1.50e-04	-3.39e-04	-1.70e-05
146	9	-7.23e-03	-0.08	0.15	1.06e-03	7.17e-05	4.24e-05
147	6	-0.04	9.22e-03	-0.01	-6.74e-05	-1.63e-04	0.0
147	9	-8.47e-03	-0.06	0.14	7.94e-04	9.79e-05	0.0
148	6	-0.04	9.41e-03	-0.02	-6.97e-05	-1.77e-04	0.0
148	9	-8.49e-03	-0.06	0.14	8.10e-04	9.46e-05	0.0
149	6	-0.04	0.01	-0.02	-7.98e-05	-1.76e-04	0.0
149	9	-8.64e-03	-0.06	0.15	8.18e-04	1.07e-04	0.0
150	6	-0.04	0.01	-0.03	-8.53e-05	-1.62e-04	0.0
150	9	-8.73e-03	-0.06	0.15	8.25e-04	1.27e-04	0.0
151	6	-0.04	0.01	-0.03	-8.80e-05	-1.66e-04	0.0
151	9	-8.80e-03	-0.06	0.16	8.44e-04	1.48e-04	0.0
152	6	-0.04	0.01	-0.04	-9.23e-05	-1.84e-04	0.0
152	9	-8.88e-03	-0.07	0.16	8.79e-04	1.71e-04	0.0
153	6	-0.04	0.01	-0.05	-9.93e-05	-2.13e-04	0.0
153	9	-8.95e-03	-0.07	0.17	9.32e-04	1.90e-04	0.0
154	6	-0.04	0.01	-0.06	-1.10e-04	-2.51e-04	0.0
154	9	-9.00e-03	-0.07	0.18	1.00e-03	2.00e-04	0.0
155	6	-0.04	0.01	-0.07	-1.23e-04	-2.99e-04	0.0
155	9	-9.03e-03	-0.07	0.19	1.09e-03	1.91e-04	0.0
156	6	-0.04	0.01	-0.08	-1.44e-04	-3.52e-04	0.0
156	9	-9.04e-03	-0.07	0.19	1.20e-03	1.64e-04	0.0
157	6	-0.04	0.02	-0.10	-1.70e-04	-3.88e-04	1.93e-05
157	9	-9.03e-03	-0.08	0.20	1.26e-03	1.31e-04	4.95e-05
158	6	-0.04	0.01	-0.08	-1.55e-04	-3.75e-04	-1.92e-05
158	9	-0.01	-0.07	0.25	1.32e-03	2.97e-04	5.52e-05
159	6	-0.04	9.44e-03	-0.02	-8.37e-05	-2.59e-04	-1.63e-05
159	9	-0.01	-0.06	0.18	9.70e-04	8.69e-05	3.98e-05
160	6	-0.04	0.01	-0.03	-8.40e-05	-1.75e-04	-1.46e-05
160	9	-0.01	-0.06	0.18	8.74e-04	1.02e-04	3.61e-05
161	6	-0.04	0.01	-0.03	-8.77e-05	-1.55e-04	-1.50e-05
161	9	-0.01	-0.06	0.19	8.56e-04	1.33e-04	3.86e-05
162	6	-0.04	0.01	-0.04	-8.98e-05	-1.60e-04	-1.53e-05
162	9	-0.01	-0.06	0.20	8.68e-04	1.74e-04	4.05e-05
163	6	-0.04	0.01	-0.04	-9.40e-05	-1.80e-04	-1.56e-05
163	9	-0.01	-0.07	0.20	9.03e-04	2.16e-04	4.18e-05
164	6	-0.04	0.01	-0.05	-1.02e-04	-2.12e-04	-1.59e-05
164	9	-0.01	-0.07	0.21	9.61e-04	2.56e-04	4.31e-05
165	6	-0.04	0.01	-0.06	-1.13e-04	-2.53e-04	-1.62e-05
165	9	-0.01	-0.07	0.22	1.04e-03	2.90e-04	4.48e-05
166	6	-0.04	0.01	-0.07	-1.30e-04	-3.05e-04	-1.70e-05
166	9	-0.01	-0.07	0.24	1.16e-03	3.10e-04	4.85e-05
167	7	-0.04	-4.04e-03	8.37e-03	3.26e-05	-1.39e-04	1.53e-05
167	9	8.95e-03	-0.05	-0.15	8.08e-04	1.13e-05	3.24e-05

168	1	8.87e-06	4.78e-06	-0.12	-4.48e-05	0.0	0.0
168	6	-0.04	3.16e-03	6.58e-03	2.17e-05	-7.37e-06	0.0
168	9	-3.33e-03	-0.05	0.05	5.11e-04	1.29e-05	0.0
169	1	9.04e-06	-1.40e-05	-0.13	8.59e-05	2.54e-06	0.0
169	7	-0.04	-3.83e-03	8.87e-03	3.17e-05	-7.26e-05	0.0
169	9	7.50e-03	-0.05	-0.12	6.90e-04	-2.06e-05	0.0
170	1	1.07e-05	-1.38e-05	-0.13	8.54e-05	5.15e-06	0.0
170	7	-0.04	-4.03e-03	8.06e-03	2.74e-05	-6.63e-05	0.0
170	9	7.55e-03	-0.05	-0.12	6.80e-04	-2.17e-05	0.0
171	7	-0.04	-4.62e-03	-7.13e-03	3.84e-05	-3.72e-05	1.42e-05
171	9	9.03e-03	-0.05	-0.15	7.10e-04	2.38e-05	3.01e-05
172	1	1.33e-05	-1.07e-05	-0.13	8.20e-05	1.04e-05	0.0
172	7	-0.04	-4.62e-03	6.84e-03	3.59e-05	-4.23e-05	0.0
172	9	7.68e-03	-0.05	-0.12	6.67e-04	-2.94e-05	0.0
173	7	-0.04	-5.19e-03	-7.85e-03	3.99e-05	2.68e-05	1.44e-05
173	9	9.15e-03	-0.05	-0.15	6.75e-04	3.62e-05	3.26e-05
174	1	1.47e-05	-7.22e-06	-0.13	7.77e-05	1.02e-05	0.0
174	7	-0.04	-5.19e-03	-7.08e-03	3.83e-05	-2.05e-05	0.0
174	9	7.79e-03	-0.05	-0.12	6.52e-04	-4.27e-05	0.0
175	7	-0.04	-5.77e-03	-9.15e-03	3.83e-05	4.06e-05	1.45e-05
175	9	9.29e-03	-0.05	-0.15	6.63e-04	-6.10e-05	3.43e-05
176	1	1.60e-05	-4.97e-06	-0.13	7.44e-05	5.84e-06	0.0
176	7	-0.04	-5.77e-03	8.04e-03	3.75e-05	2.72e-05	0.0
176	9	7.89e-03	-0.05	-0.12	6.47e-04	-5.84e-05	0.0
177	7	-0.04	-6.36e-03	-0.01	4.24e-05	4.33e-05	1.47e-05
177	9	9.44e-03	-0.05	-0.15	6.68e-04	-9.11e-05	3.55e-05
178	1	1.75e-05	-3.92e-06	-0.13	7.30e-05	0.0	0.0
178	7	-0.04	-6.35e-03	9.22e-03	4.15e-05	2.91e-05	0.0
178	9	8.00e-03	-0.05	-0.13	6.55e-04	-7.69e-05	0.0
179	7	-0.04	-6.94e-03	0.01	5.30e-05	3.67e-05	1.48e-05
179	9	9.60e-03	-0.05	-0.16	6.89e-04	-1.21e-04	3.67e-05
180	1	1.91e-05	-3.83e-06	-0.13	7.36e-05	-7.99e-06	0.0
180	7	-0.04	-6.94e-03	0.01	5.06e-05	-2.66e-05	0.0
180	9	8.12e-03	-0.05	-0.13	6.74e-04	-9.45e-05	0.0
181	7	-0.04	-7.54e-03	0.01	-6.65e-05	-3.64e-05	1.49e-05
181	9	9.76e-03	-0.06	-0.16	7.27e-04	-1.47e-04	3.80e-05
182	7	-0.04	-7.54e-03	-0.01	-6.22e-05	-3.88e-05	0.0
182	9	8.24e-03	-0.06	-0.13	7.06e-04	-1.07e-04	0.0
183	7	-0.04	-8.14e-03	-0.01	-7.85e-05	-7.06e-05	1.51e-05
183	9	9.92e-03	-0.06	-0.17	7.81e-04	-1.63e-04	3.99e-05
184	7	-0.04	-8.14e-03	-0.01	-7.27e-05	-7.80e-05	0.0
184	9	8.35e-03	-0.06	-0.14	7.50e-04	-1.08e-04	0.0
185	7	-0.04	-8.76e-03	-0.01	-8.51e-05	-1.52e-04	1.62e-05
185	9	0.01	-0.06	-0.17	8.69e-04	-1.47e-04	4.23e-05
186	7	-0.04	-8.76e-03	-0.01	7.17e-05	-1.28e-04	0.0
186	9	8.46e-03	-0.06	-0.14	7.76e-04	-1.08e-04	0.0
187	1	1.06e-05	-1.01e-05	-0.13	7.56e-05	2.32e-06	0.0
187	7	-0.04	-3.82e-03	7.97e-03	2.56e-05	-3.92e-05	0.0
187	9	6.16e-03	-0.05	-0.09	6.02e-04	-2.29e-05	0.0
188	1	1.14e-05	-9.88e-06	-0.13	7.54e-05	3.66e-06	0.0
188	7	-0.04	-4.01e-03	7.56e-03	2.47e-05	-4.12e-05	0.0
188	9	6.19e-03	-0.05	-0.09	6.05e-04	-2.55e-05	0.0
189	1	1.34e-05	-8.25e-06	-0.13	7.33e-05	6.59e-06	0.0
189	7	-0.04	-4.61e-03	6.69e-03	2.98e-05	-3.06e-05	0.0
189	9	6.30e-03	-0.05	-0.10	6.08e-04	-3.49e-05	0.0
190	1	1.50e-05	-6.12e-06	-0.13	7.03e-05	6.52e-06	0.0
190	7	-0.04	-5.19e-03	6.59e-03	3.38e-05	-1.87e-05	0.0
190	9	6.39e-03	-0.05	-0.10	6.11e-04	-4.33e-05	0.0
191	1	1.62e-05	-4.45e-06	-0.13	6.79e-05	3.59e-06	0.0
191	7	-0.04	-5.77e-03	7.09e-03	3.54e-05	-1.86e-05	0.0
191	9	6.47e-03	-0.05	-0.10	6.15e-04	-5.23e-05	0.0
192	1	1.73e-05	-3.55e-06	-0.13	6.68e-05	-1.13e-06	0.0
192	7	-0.04	-6.35e-03	7.80e-03	3.96e-05	-1.99e-05	0.0
192	9	6.56e-03	-0.05	-0.10	6.26e-04	-6.18e-05	0.0
193	1	1.85e-05	-3.46e-06	-0.13	6.73e-05	-6.38e-06	0.0
193	7	-0.04	-6.94e-03	8.39e-03	4.73e-05	-2.38e-05	0.0
193	9	6.64e-03	-0.05	-0.10	6.43e-04	-7.00e-05	0.0
194	1	1.96e-05	-4.20e-06	-0.13	6.95e-05	-1.09e-05	0.0
194	7	-0.04	-7.54e-03	-8.69e-03	5.61e-05	-4.27e-05	0.0
194	9	6.73e-03	-0.06	-0.11	6.67e-04	-7.44e-05	0.0
195	1	2.07e-05	-5.81e-06	-0.13	7.27e-05	-1.33e-05	0.0
195	7	-0.04	-8.14e-03	-8.82e-03	-6.25e-05	-7.67e-05	0.0
195	9	6.81e-03	-0.06	-0.11	6.92e-04	-7.34e-05	0.0
196	1	2.21e-05	-8.00e-06	-0.13	7.57e-05	-1.29e-05	0.0
196	7	-0.04	-8.76e-03	-9.76e-03	6.34e-05	-1.19e-04	0.0
196	9	6.89e-03	-0.06	-0.11	7.15e-04	-7.13e-05	0.0
197	1	1.07e-05	-7.19e-06	-0.13	6.21e-05	2.12e-06	0.0

197	7	-0.04	-3.81e-03	7.21e-03	2.39e-05	-2.24e-05	0.0
197	9	4.80e-03	-0.05	-0.07	5.55e-04	-1.95e-05	0.0
198	1	1.14e-05	-7.05e-06	-0.13	6.20e-05	2.81e-06	0.0
198	7	-0.04	-4.01e-03	7.00e-03	2.33e-05	-2.34e-05	0.0
198	9	4.83e-03	-0.05	-0.07	5.55e-04	-2.17e-05	0.0
199	1	1.32e-05	-6.12e-06	-0.12	6.07e-05	4.33e-06	0.0
199	7	-0.04	-4.60e-03	6.45e-03	2.57e-05	-2.19e-05	0.0
199	9	4.91e-03	-0.05	-0.07	5.61e-04	-2.90e-05	0.0
200	1	1.48e-05	-4.82e-06	-0.12	5.89e-05	4.12e-06	0.0
200	7	-0.04	-5.18e-03	6.21e-03	2.97e-05	-1.69e-05	0.0
200	9	4.98e-03	-0.05	-0.07	5.68e-04	-3.63e-05	0.0
201	1	1.60e-05	-3.68e-06	-0.12	5.72e-05	2.04e-06	0.0
201	7	-0.04	-5.77e-03	6.30e-03	3.29e-05	-1.54e-05	0.0
201	9	5.04e-03	-0.05	-0.07	5.78e-04	-4.22e-05	0.0
202	1	1.70e-05	-3.02e-06	-0.12	5.65e-05	-1.35e-06	0.0
202	7	-0.04	-6.35e-03	6.53e-03	3.74e-05	-1.77e-05	0.0
202	9	5.11e-03	-0.05	-0.08	5.90e-04	-4.70e-05	0.0
203	1	1.80e-05	-2.96e-06	-0.12	5.70e-05	-5.17e-06	0.0
203	7	-0.04	-6.94e-03	6.65e-03	4.37e-05	-2.67e-05	0.0
203	9	5.17e-03	-0.05	-0.08	6.05e-04	-5.04e-05	0.0
204	1	1.90e-05	-3.50e-06	-0.12	5.85e-05	-8.49e-06	0.0
204	7	-0.04	-7.54e-03	-6.57e-03	5.01e-05	-4.62e-05	0.0
204	9	5.23e-03	-0.06	-0.08	6.23e-04	-5.18e-05	0.0
205	1	2.00e-05	-4.56e-06	-0.13	6.06e-05	-1.05e-05	0.0
205	7	-0.04	-8.15e-03	-6.63e-03	5.43e-05	-7.40e-05	0.0
205	9	5.29e-03	-0.06	-0.08	6.40e-04	-5.24e-05	0.0
206	1	2.13e-05	-5.76e-06	-0.13	6.24e-05	-1.11e-05	0.0
206	7	-0.04	-8.77e-03	-7.87e-03	5.56e-05	-1.04e-04	0.0
206	9	5.36e-03	-0.06	-0.08	6.57e-04	-5.49e-05	0.0
207	1	1.07e-05	-4.81e-06	-0.12	4.62e-05	1.96e-06	0.0
207	7	-0.04	-3.81e-03	6.58e-03	2.20e-05	-1.24e-05	0.0
207	9	3.44e-03	-0.05	-0.05	5.17e-04	-1.52e-05	0.0
208	1	1.13e-05	-4.73e-06	-0.12	4.61e-05	2.30e-06	0.0
208	7	-0.04	-4.00e-03	6.47e-03	2.22e-05	-1.38e-05	0.0
208	9	3.46e-03	-0.05	-0.05	5.19e-04	-1.64e-05	0.0
209	1	1.30e-05	-4.21e-06	-0.12	4.54e-05	3.01e-06	0.0
209	7	-0.04	-4.59e-03	6.11e-03	2.40e-05	-1.54e-05	0.0
209	9	3.51e-03	-0.05	-0.05	5.25e-04	-2.13e-05	0.0
210	1	1.45e-05	-3.44e-06	-0.12	4.43e-05	2.64e-06	0.0
210	7	-0.04	-5.18e-03	5.81e-03	2.73e-05	-1.48e-05	0.0
210	9	3.56e-03	-0.05	-0.05	5.33e-04	-2.63e-05	0.0
211	1	1.57e-05	-2.73e-06	-0.12	4.34e-05	1.05e-06	0.0
211	7	-0.04	-5.76e-03	5.62e-03	3.10e-05	-1.54e-05	0.0
211	9	3.61e-03	-0.05	-0.05	5.44e-04	-3.02e-05	0.0
212	1	1.68e-05	-2.31e-06	-0.12	4.29e-05	-1.47e-06	0.0
212	7	-0.04	-6.35e-03	5.43e-03	3.54e-05	-1.98e-05	0.0
212	9	3.66e-03	-0.05	-0.05	5.56e-04	-3.28e-05	0.0
213	1	1.77e-05	-2.27e-06	-0.12	4.32e-05	-4.34e-06	0.0
213	7	-0.04	-6.94e-03	5.12e-03	4.06e-05	-3.05e-05	0.0
213	9	3.70e-03	-0.05	-0.05	5.70e-04	-3.42e-05	0.0
214	1	1.86e-05	-2.61e-06	-0.12	4.42e-05	-6.95e-06	0.0
214	7	-0.04	-7.54e-03	4.70e-03	4.55e-05	-4.82e-05	0.0
214	9	3.74e-03	-0.06	-0.06	5.84e-04	-3.49e-05	0.0
215	1	1.97e-05	-3.24e-06	-0.12	4.55e-05	-8.85e-06	0.0
215	7	-0.04	-8.15e-03	-4.75e-03	4.89e-05	-7.07e-05	0.0
215	9	3.79e-03	-0.06	-0.06	5.99e-04	-3.60e-05	0.0
216	1	2.09e-05	-3.90e-06	-0.12	4.66e-05	-9.96e-06	0.0
216	7	-0.04	-8.77e-03	-6.34e-03	5.10e-05	-9.46e-05	0.0
216	9	3.84e-03	-0.06	-0.06	6.14e-04	-3.89e-05	0.0
217	1	1.07e-05	-2.75e-06	-0.12	2.87e-05	1.85e-06	0.0
217	7	-0.04	-3.81e-03	6.07e-03	2.08e-05	-6.94e-06	0.0
217	9	2.08e-03	-0.05	-0.03	4.91e-04	-9.58e-06	0.0
218	1	1.12e-05	-2.71e-06	-0.12	2.86e-05	2.01e-06	0.0
218	7	-0.04	-4.00e-03	6.01e-03	2.13e-05	-8.26e-06	0.0
218	9	2.09e-03	-0.05	-0.03	4.93e-04	-1.03e-05	0.0
219	1	1.29e-05	-2.44e-06	-0.12	2.83e-05	2.29e-06	0.0
219	7	-0.04	-4.59e-03	5.74e-03	2.35e-05	-1.13e-05	0.0
219	9	2.12e-03	-0.05	-0.03	5.00e-04	-1.30e-05	0.0
220	1	1.43e-05	-2.04e-06	-0.12	2.77e-05	1.82e-06	0.0
220	7	-0.04	-5.17e-03	5.40e-03	2.64e-05	-1.32e-05	0.0
220	9	2.15e-03	-0.05	-0.03	5.09e-04	-1.58e-05	0.0
221	1	1.55e-05	-1.67e-06	-0.12	2.72e-05	0.0	0.0
221	7	-0.04	-5.76e-03	5.00e-03	3.01e-05	-1.62e-05	0.0
221	9	2.18e-03	-0.05	-0.03	5.19e-04	-1.80e-05	0.0
222	1	1.66e-05	-1.43e-06	-0.12	2.70e-05	-1.52e-06	0.0
222	7	-0.04	-6.35e-03	4.50e-03	3.42e-05	-2.23e-05	0.0
222	9	2.21e-03	-0.05	-0.03	5.31e-04	-1.94e-05	0.0

223	1	1.75e-05	-1.41e-06	-0.12	2.71e-05	-3.83e-06	0.0
223	7	-0.04	-6.95e-03	3.80e-03	3.86e-05	-3.33e-05	0.0
223	9	2.23e-03	-0.05	-0.03	5.43e-04	-2.00e-05	0.0
224	1	1.84e-05	-1.60e-06	-0.12	2.77e-05	-6.05e-06	0.0
224	7	-0.04	-7.55e-03	3.05e-03	4.27e-05	-4.92e-05	0.0
224	9	2.26e-03	-0.06	-0.03	5.57e-04	-2.05e-05	0.0
225	1	1.95e-05	-1.94e-06	-0.12	2.83e-05	-7.90e-06	0.0
225	7	-0.04	-8.15e-03	-3.21e-03	4.59e-05	-6.87e-05	0.0
225	9	2.29e-03	-0.06	-0.03	5.70e-04	-2.14e-05	0.0
226	1	2.06e-05	-2.26e-06	-0.12	2.89e-05	-9.36e-06	0.0
226	7	-0.04	-8.77e-03	-5.33e-03	4.84e-05	-8.94e-05	0.0
226	9	2.31e-03	-0.06	-0.03	5.85e-04	-2.33e-05	0.0
227	1	1.07e-05	0.0	-0.12	1.01e-05	1.79e-06	0.0
227	7	-0.04	-3.81e-03	5.68e-03	2.02e-05	-4.23e-06	0.0
227	9	7.13e-04	-0.05	-0.01	4.78e-04	-3.35e-06	0.0
228	1	1.12e-05	0.0	-0.12	1.01e-05	1.88e-06	0.0
228	7	-0.04	-4.00e-03	5.63e-03	2.10e-05	-5.64e-06	0.0
228	9	7.16e-04	-0.05	-0.01	4.80e-04	-3.60e-06	0.0
229	1	1.28e-05	0.0	-0.12	9.99e-06	1.97e-06	0.0
229	7	-0.04	-4.58e-03	5.38e-03	2.37e-05	-9.51e-06	0.0
229	9	7.28e-04	-0.05	-0.01	4.87e-04	-4.51e-06	0.0
230	1	1.42e-05	0.0	-0.12	9.82e-06	1.45e-06	0.0
230	7	-0.04	-5.17e-03	4.99e-03	2.67e-05	-1.28e-05	0.0
230	9	7.39e-04	-0.05	-0.01	4.96e-04	-5.46e-06	0.0
231	1	1.54e-05	0.0	-0.12	9.66e-06	0.0	0.0
231	7	-0.04	-5.76e-03	4.47e-03	3.02e-05	-1.71e-05	0.0
231	9	7.49e-04	-0.05	-0.01	5.06e-04	-6.22e-06	0.0
232	1	1.64e-05	0.0	-0.12	9.59e-06	-1.53e-06	0.0
232	7	-0.04	-6.35e-03	3.76e-03	3.41e-05	-2.42e-05	0.0
232	9	7.58e-04	-0.05	-0.01	5.17e-04	-6.68e-06	0.0
233	1	1.74e-05	0.0	-0.12	9.65e-06	-3.59e-06	0.0
233	7	-0.04	-6.95e-03	2.78e-03	3.80e-05	-3.52e-05	0.0
233	9	7.67e-04	-0.05	-0.01	5.29e-04	-6.89e-06	0.0
234	1	1.83e-05	0.0	-0.12	9.81e-06	-5.64e-06	0.0
234	7	-0.04	-7.55e-03	1.72e-03	4.16e-05	-5.02e-05	0.0
234	9	7.77e-04	-0.06	-0.01	5.42e-04	-7.04e-06	0.0
235	1	1.94e-05	0.0	-0.12	1.00e-05	-7.46e-06	0.0
235	7	-0.04	-8.16e-03	-2.34e-03	4.49e-05	-6.81e-05	0.0
235	9	7.86e-04	-0.06	-0.01	5.55e-04	-7.35e-06	0.0
236	1	2.05e-05	0.0	-0.12	1.02e-05	-9.09e-06	0.0
236	7	-0.04	-8.77e-03	-5.04e-03	4.77e-05	-8.74e-05	0.0
236	9	7.96e-04	-0.06	-0.01	5.69e-04	-8.01e-06	0.0
237	1	1.07e-05	0.0	-0.12	-8.77e-06	1.79e-06	0.0
237	6	-0.04	3.73e-03	5.64e-03	-1.96e-05	-4.11e-06	0.0
237	9	-6.53e-04	-0.05	8.82e-03	4.78e-04	3.08e-06	0.0
238	1	1.12e-05	0.0	-0.12	-8.75e-06	1.88e-06	0.0
238	6	-0.04	3.92e-03	5.60e-03	-2.04e-05	-5.52e-06	0.0
238	9	-6.56e-04	-0.05	8.86e-03	4.79e-04	3.29e-06	0.0
239	1	1.28e-05	0.0	-0.12	-8.65e-06	1.96e-06	0.0
239	6	-0.04	4.49e-03	5.35e-03	-2.31e-05	-9.42e-06	0.0
239	9	-6.65e-04	-0.05	8.99e-03	4.86e-04	4.03e-06	0.0
240	1	1.42e-05	0.0	-0.12	-8.49e-06	1.44e-06	0.0
240	6	-0.04	5.07e-03	4.96e-03	-2.62e-05	-1.28e-05	0.0
240	9	-6.74e-04	-0.05	9.15e-03	4.95e-04	4.78e-06	0.0
241	1	1.54e-05	0.0	-0.12	-8.35e-06	0.0	0.0
241	6	-0.04	5.64e-03	4.43e-03	-2.97e-05	-1.71e-05	0.0
241	9	-6.82e-04	-0.05	9.35e-03	5.05e-04	5.37e-06	0.0
242	1	1.64e-05	0.0	-0.12	-8.29e-06	-1.54e-06	0.0
242	6	-0.04	6.22e-03	3.71e-03	-3.34e-05	-2.43e-05	0.0
242	9	-6.90e-04	-0.05	9.56e-03	5.17e-04	5.73e-06	0.0
243	1	1.74e-05	0.0	-0.12	-8.34e-06	-3.59e-06	0.0
243	6	-0.04	6.81e-03	2.71e-03	-3.72e-05	-3.53e-05	0.0
243	9	-6.98e-04	-0.05	9.78e-03	5.29e-04	5.95e-06	0.0
244	1	1.83e-05	0.0	-0.12	-8.49e-06	-5.62e-06	0.0
244	6	-0.04	7.40e-03	1.64e-03	-4.08e-05	-5.03e-05	0.0
244	9	-7.05e-04	-0.06	0.01	5.41e-04	6.15e-06	0.0
245	1	1.93e-05	0.0	-0.12	-8.68e-06	-7.45e-06	0.0
245	6	-0.04	8.00e-03	-2.33e-03	-4.40e-05	-6.81e-05	0.0
245	9	-7.13e-04	-0.06	0.01	5.54e-04	6.53e-06	0.0
246	1	2.04e-05	0.0	-0.12	-8.84e-06	-9.09e-06	0.0
246	6	-0.04	8.60e-03	-5.06e-03	-4.69e-05	-8.74e-05	0.0
246	9	-7.21e-04	-0.06	0.01	5.69e-04	7.21e-06	0.0
247	1	1.07e-05	2.84e-06	-0.12	-2.74e-05	1.85e-06	0.0
247	6	-0.04	3.73e-03	6.00e-03	-2.01e-05	-6.51e-06	0.0
247	9	-2.02e-03	-0.05	0.03	4.90e-04	9.35e-06	0.0
248	1	1.12e-05	2.80e-06	-0.12	-2.73e-05	2.01e-06	0.0
248	6	-0.04	3.92e-03	5.94e-03	-2.07e-05	-7.82e-06	0.0

248	9	-2.03e-03	-0.05	0.03	4.92e-04	1.00e-05	0.0
249	1	1.28e-05	2.53e-06	-0.12	-2.70e-05	2.26e-06	0.0
249	6	-0.04	4.49e-03	5.68e-03	-2.29e-05	-1.09e-05	0.0
249	9	-2.06e-03	-0.05	0.03	4.98e-04	1.25e-05	0.0
250	1	1.43e-05	2.13e-06	-0.12	-2.64e-05	1.78e-06	0.0
250	6	-0.04	5.07e-03	5.34e-03	-2.59e-05	-1.30e-05	0.0
250	9	-2.09e-03	-0.05	0.03	5.07e-04	1.51e-05	0.0
251	1	1.55e-05	1.76e-06	-0.12	-2.60e-05	0.0	0.0
251	6	-0.04	5.64e-03	4.94e-03	-2.94e-05	-1.61e-05	0.0
251	9	-2.11e-03	-0.05	0.03	5.17e-04	1.71e-05	0.0
252	1	1.65e-05	1.52e-06	-0.12	-2.57e-05	-1.52e-06	0.0
252	6	-0.04	6.22e-03	4.41e-03	-3.35e-05	-2.25e-05	0.0
252	9	-2.14e-03	-0.05	0.03	5.29e-04	1.84e-05	0.0
253	1	1.74e-05	1.48e-06	-0.12	-2.59e-05	-3.81e-06	0.0
253	6	-0.04	6.81e-03	3.68e-03	-3.78e-05	-3.35e-05	0.0
253	9	-2.16e-03	-0.05	0.03	5.42e-04	1.90e-05	0.0
254	1	1.84e-05	1.64e-06	-0.12	-2.64e-05	-6.01e-06	0.0
254	6	-0.04	7.40e-03	2.89e-03	-4.17e-05	-4.94e-05	0.0
254	9	-2.19e-03	-0.06	0.03	5.55e-04	1.95e-05	0.0
255	1	1.94e-05	1.92e-06	-0.12	-2.70e-05	-7.85e-06	0.0
255	6	-0.04	7.99e-03	-3.09e-03	-4.49e-05	-6.86e-05	0.0
255	9	-2.21e-03	-0.06	0.03	5.68e-04	2.05e-05	0.0
256	1	2.06e-05	2.19e-06	-0.12	-2.76e-05	-9.34e-06	0.0
256	6	-0.04	8.60e-03	-5.27e-03	-4.73e-05	-8.91e-05	0.0
256	9	-2.24e-03	-0.06	0.03	5.83e-04	2.25e-05	0.0
257	1	1.07e-05	4.88e-06	-0.12	-4.50e-05	1.97e-06	0.0
257	6	-0.04	3.73e-03	6.46e-03	-2.12e-05	-1.16e-05	0.0
257	9	-3.38e-03	-0.05	0.05	5.14e-04	1.50e-05	0.0
258	1	1.13e-05	4.80e-06	-0.12	-4.49e-05	2.29e-06	0.0
258	6	-0.04	3.92e-03	6.36e-03	-2.14e-05	-1.29e-05	0.0
258	9	-3.40e-03	-0.05	0.05	5.16e-04	1.63e-05	0.0
259	1	1.30e-05	4.27e-06	-0.12	-4.42e-05	2.96e-06	0.0
259	6	-0.04	4.50e-03	6.02e-03	-2.34e-05	-1.47e-05	0.0
259	9	-3.45e-03	-0.05	0.05	5.22e-04	2.08e-05	0.0
260	1	1.44e-05	3.52e-06	-0.12	-4.32e-05	2.57e-06	0.0
260	6	-0.04	5.07e-03	5.73e-03	-2.67e-05	-1.44e-05	0.0
260	9	-3.50e-03	-0.05	0.05	5.31e-04	2.55e-05	0.0
261	1	1.57e-05	2.83e-06	-0.12	-4.23e-05	0.0	0.0
261	6	-0.04	5.65e-03	5.52e-03	-3.02e-05	-1.53e-05	0.0
261	9	-3.55e-03	-0.05	0.05	5.41e-04	2.92e-05	0.0
262	1	1.67e-05	2.41e-06	-0.12	-4.18e-05	-1.47e-06	0.0
262	6	-0.04	6.22e-03	5.30e-03	-3.46e-05	-1.99e-05	0.0
262	9	-3.59e-03	-0.05	0.05	5.53e-04	3.17e-05	0.0
263	1	1.76e-05	2.35e-06	-0.12	-4.21e-05	-4.30e-06	0.0
263	6	-0.04	6.81e-03	4.95e-03	-3.96e-05	-3.07e-05	0.0
263	9	-3.63e-03	-0.05	0.05	5.67e-04	3.30e-05	0.0
264	1	1.85e-05	2.66e-06	-0.12	-4.31e-05	-6.87e-06	0.0
264	6	-0.04	7.40e-03	4.49e-03	-4.43e-05	-4.83e-05	0.0
264	9	-3.67e-03	-0.06	0.05	5.81e-04	3.38e-05	0.0
265	1	1.96e-05	3.23e-06	-0.12	-4.43e-05	-8.77e-06	0.0
265	6	-0.04	7.99e-03	-4.56e-03	-4.76e-05	-7.06e-05	0.0
265	9	-3.71e-03	-0.06	0.06	5.96e-04	3.51e-05	0.0
266	1	2.08e-05	3.81e-06	-0.12	-4.53e-05	-9.91e-06	0.0
266	6	-0.04	8.59e-03	-6.21e-03	-4.97e-05	-9.39e-05	0.0
266	9	-3.76e-03	-0.06	0.06	6.11e-04	3.81e-05	0.0
267	1	1.07e-05	7.24e-06	-0.12	-6.10e-05	2.13e-06	0.0
267	6	-0.04	3.73e-03	7.04e-03	-2.29e-05	-2.04e-05	0.0
267	9	-4.74e-03	-0.05	0.07	5.51e-04	1.98e-05	0.0
268	1	1.13e-05	7.10e-06	-0.12	-6.09e-05	2.79e-06	0.0
268	6	-0.04	3.92e-03	6.85e-03	-2.26e-05	-2.22e-05	0.0
268	9	-4.77e-03	-0.05	0.07	5.52e-04	2.13e-05	0.0
269	1	1.32e-05	6.16e-06	-0.12	-5.97e-05	4.23e-06	0.0
269	6	-0.04	4.50e-03	6.33e-03	-2.51e-05	-2.08e-05	0.0
269	9	-4.84e-03	-0.05	0.07	5.57e-04	2.86e-05	0.0
270	1	1.47e-05	4.89e-06	-0.12	-5.79e-05	3.99e-06	0.0
270	6	-0.04	5.08e-03	6.09e-03	-2.90e-05	-1.65e-05	0.0
270	9	-4.91e-03	-0.05	0.07	5.65e-04	3.55e-05	0.0
271	1	1.59e-05	3.79e-06	-0.12	-5.63e-05	1.95e-06	0.0
271	6	-0.04	5.65e-03	6.16e-03	-3.21e-05	-1.52e-05	0.0
271	9	-4.98e-03	-0.05	0.07	5.74e-04	4.13e-05	0.0
272	1	1.69e-05	3.14e-06	-0.12	-5.56e-05	-1.36e-06	0.0
272	6	-0.04	6.23e-03	6.35e-03	-3.64e-05	-1.75e-05	0.0
272	9	-5.04e-03	-0.05	0.07	5.86e-04	4.59e-05	0.0
273	1	1.79e-05	3.06e-06	-0.12	-5.61e-05	-5.10e-06	0.0
273	6	-0.04	6.81e-03	6.43e-03	-4.25e-05	-2.69e-05	0.0
273	9	-5.10e-03	-0.05	0.08	6.02e-04	4.90e-05	0.0
274	1	1.88e-05	3.57e-06	-0.12	-5.75e-05	-8.36e-06	0.0

274	6	-0.04	7.39e-03	-6.31e-03	-4.87e-05	-4.65e-05	0.0
274	9	-5.16e-03	-0.06	0.08	6.19e-04	5.03e-05	0.0
275	1	1.99e-05	4.55e-06	-0.13	-5.96e-05	-1.04e-05	0.0
275	6	-0.04	7.99e-03	-6.37e-03	-5.27e-05	-7.38e-05	0.0
275	9	-5.22e-03	-0.06	0.08	6.36e-04	5.09e-05	0.0
276	1	2.12e-05	5.64e-06	-0.13	-6.13e-05	-1.10e-05	0.0
276	6	-0.04	8.59e-03	-7.66e-03	-5.39e-05	-1.03e-04	0.0
276	9	-5.29e-03	-0.06	0.08	6.52e-04	5.43e-05	0.0
277	1	1.06e-05	1.02e-05	-0.13	-7.47e-05	2.34e-06	0.0
277	6	-0.04	3.74e-03	7.75e-03	-2.52e-05	-3.90e-05	0.0
277	9	-6.10e-03	-0.05	0.09	5.99e-04	2.21e-05	0.0
278	1	1.12e-05	9.94e-06	-0.13	-7.45e-05	3.62e-06	0.0
278	6	-0.04	3.93e-03	7.37e-03	-2.37e-05	-3.73e-05	0.0
278	9	-6.13e-03	-0.05	0.09	5.98e-04	2.62e-05	0.0
279	1	1.32e-05	8.22e-06	-0.13	-7.25e-05	6.40e-06	0.0
279	6	-0.04	4.51e-03	6.57e-03	-2.89e-05	-2.94e-05	0.0
279	9	-6.23e-03	-0.05	0.09	6.03e-04	3.44e-05	0.0
280	1	1.48e-05	6.21e-06	-0.13	-6.96e-05	6.32e-06	0.0
280	6	-0.04	5.08e-03	6.45e-03	-3.31e-05	-1.84e-05	0.0
280	9	-6.32e-03	-0.05	0.09	6.06e-04	4.28e-05	0.0
281	1	1.61e-05	4.59e-06	-0.13	-6.72e-05	3.46e-06	0.0
281	6	-0.04	5.65e-03	6.90e-03	-3.46e-05	-1.79e-05	0.0
281	9	-6.41e-03	-0.05	0.10	6.11e-04	5.17e-05	0.0
282	1	1.72e-05	3.70e-06	-0.13	-6.61e-05	-1.15e-06	0.0
282	6	-0.04	6.23e-03	7.56e-03	-3.86e-05	-1.92e-05	0.0
282	9	-6.49e-03	-0.05	0.10	6.22e-04	6.08e-05	0.0
283	1	1.83e-05	3.60e-06	-0.13	-6.67e-05	-6.29e-06	0.0
283	6	-0.04	6.80e-03	8.12e-03	-4.60e-05	-2.36e-05	0.0
283	9	-6.57e-03	-0.05	0.10	6.39e-04	6.86e-05	0.0
284	1	1.94e-05	4.31e-06	-0.13	-6.88e-05	-1.07e-05	0.0
284	6	-0.04	7.39e-03	-8.37e-03	-5.46e-05	-4.29e-05	0.0
284	9	-6.66e-03	-0.06	0.10	6.63e-04	7.23e-05	0.0
285	1	2.06e-05	5.82e-06	-0.13	-7.19e-05	-1.31e-05	0.0
285	6	-0.04	7.98e-03	-8.48e-03	-6.06e-05	-7.75e-05	0.0
285	9	-6.74e-03	-0.06	0.11	6.88e-04	7.17e-05	0.0
286	1	2.19e-05	7.84e-06	-0.13	-7.48e-05	-1.28e-05	0.0
286	6	-0.04	8.59e-03	-9.47e-03	-6.12e-05	-1.16e-04	0.0
286	9	-6.82e-03	-0.06	0.11	7.08e-04	7.01e-05	0.0
287	1	9.63e-06	1.39e-05	-0.13	-8.51e-05	2.53e-06	0.0
287	6	-0.04	3.74e-03	8.59e-03	-2.75e-05	-5.13e-05	0.0
287	9	-7.44e-03	-0.05	0.12	6.61e-04	2.55e-05	0.0
288	1	9.44e-06	1.40e-05	-0.13	-8.47e-05	5.15e-06	0.0
288	6	-0.04	3.94e-03	7.91e-03	-2.68e-05	-6.24e-05	0.0
288	9	-7.47e-03	-0.05	0.12	6.72e-04	2.19e-05	0.0
289	1	1.30e-05	1.07e-05	-0.13	-8.16e-05	1.01e-05	0.0
289	6	-0.04	4.53e-03	6.68e-03	-3.53e-05	-4.18e-05	0.0
289	9	-7.61e-03	-0.05	0.12	6.61e-04	2.98e-05	0.0
290	1	1.46e-05	7.41e-06	-0.13	-7.73e-05	9.91e-06	0.0
290	6	-0.04	5.09e-03	6.89e-03	-3.78e-05	-2.00e-05	0.0
290	9	-7.72e-03	-0.05	0.12	6.48e-04	4.30e-05	0.0
291	1	1.59e-05	5.16e-06	-0.13	-7.41e-05	5.68e-06	0.0
291	6	-0.04	5.66e-03	7.79e-03	-3.68e-05	2.61e-05	0.0
291	9	-7.83e-03	-0.05	0.12	6.44e-04	5.81e-05	0.0
292	1	1.74e-05	4.09e-06	-0.13	-7.27e-05	0.0	0.0
292	6	-0.04	6.23e-03	8.93e-03	-4.04e-05	2.79e-05	0.0
292	9	-7.94e-03	-0.05	0.12	6.51e-04	7.58e-05	0.0
293	1	1.89e-05	3.98e-06	-0.13	-7.33e-05	-7.88e-06	0.0
293	6	-0.04	6.80e-03	9.98e-03	-4.92e-05	-2.57e-05	0.0
293	9	-8.05e-03	-0.05	0.13	6.71e-04	9.27e-05	0.0
294	6	-0.04	7.39e-03	-0.01	6.04e-05	-3.84e-05	0.0
294	9	-8.17e-03	-0.06	0.13	7.02e-04	1.04e-04	0.0
295	6	-0.04	7.98e-03	-0.01	7.09e-05	-7.84e-05	0.0
295	9	-8.28e-03	-0.06	0.14	7.43e-04	1.05e-04	0.0
296	6	-0.04	8.59e-03	-0.01	-7.18e-05	-1.39e-04	0.0
296	9	-8.40e-03	-0.06	0.14	7.85e-04	1.00e-04	0.0
297	1	-1.51e-06	9.74e-06	-0.13	-7.43e-05	1.23e-06	0.0
297	6	-0.04	-9.10e-04	-3.45e-03	-1.10e-05	3.60e-05	-1.53e-05
297	8	4.65e-03	-0.04	0.09	5.94e-04	-2.91e-05	-2.60e-05
298	6	-0.04	3.96e-03	8.20e-03	-3.20e-05	-1.40e-04	-1.55e-05
298	9	-8.99e-03	-0.05	0.15	8.09e-04	-1.13e-05	3.35e-05
299	6	-0.04	4.54e-03	-6.95e-03	-3.81e-05	-3.72e-05	-1.38e-05
299	9	-9.07e-03	-0.05	0.15	7.09e-04	-2.37e-05	3.03e-05
300	6	-0.04	5.09e-03	-7.67e-03	-3.97e-05	2.64e-05	-1.41e-05
300	9	-9.19e-03	-0.05	0.15	6.73e-04	-3.62e-05	3.26e-05
301	6	-0.04	5.66e-03	-8.95e-03	-3.77e-05	4.02e-05	-1.43e-05
301	9	-9.33e-03	-0.05	0.15	6.61e-04	6.09e-05	3.43e-05
302	6	-0.04	6.23e-03	-0.01	-4.14e-05	4.28e-05	-1.44e-05

302	9	-9.48e-03	-0.05	0.15	6.66e-04	9.09e-05	3.55e-05
303	6	-0.04	6.81e-03	0.01	-5.16e-05	3.61e-05	-1.45e-05
303	9	-9.63e-03	-0.05	0.16	6.87e-04	1.21e-04	3.67e-05
304	6	-0.04	7.39e-03	0.01	6.50e-05	-3.59e-05	-1.46e-05
304	9	-9.79e-03	-0.06	0.16	7.24e-04	1.47e-04	3.81e-05
305	6	-0.04	7.98e-03	-0.01	7.74e-05	-6.92e-05	-1.48e-05
305	9	-9.95e-03	-0.06	0.17	7.77e-04	1.63e-04	3.98e-05
306	6	-0.04	8.58e-03	-0.01	8.18e-05	-1.44e-04	-1.59e-05
306	9	-0.01	-0.06	0.17	8.55e-04	1.51e-04	4.20e-05
307	1	8.65e-06	9.51e-06	-0.13	-7.38e-05	-1.37e-06	0.0
307	6	-0.04	3.15e-03	8.63e-03	3.62e-05	-2.16e-05	0.0
307	9	-6.01e-03	-0.05	0.09	5.98e-04	-1.97e-05	0.0
308	6	-0.04	-2.63e-04	-3.46e-03	-1.87e-05	5.70e-05	-1.42e-05
308	8	6.70e-03	-0.04	0.14	7.22e-04	-9.58e-05	-2.68e-05
309	6	-0.04	1.46e-03	7.31e-03	2.50e-05	9.26e-05	-1.39e-05
309	9	-8.42e-03	-0.04	0.14	6.35e-04	5.16e-05	3.07e-05
310	6	-0.04	2.02e-03	0.01	4.29e-05	7.39e-05	-1.39e-05
310	9	-8.55e-03	-0.04	0.14	6.49e-04	6.52e-05	3.18e-05
311	6	-0.04	3.89e-04	-6.89e-04	-1.06e-05	8.70e-05	-1.37e-05
311	8	6.60e-03	-0.04	0.14	6.64e-04	-1.00e-04	-2.59e-05
311	9	-8.20e-03	-0.04	0.14	6.58e-04	-3.68e-05	2.81e-05
312	1	-1.66e-06	-1.26e-05	-0.13	8.49e-05	1.30e-06	0.0
312	7	-0.04	9.27e-04	-3.78e-03	1.24e-05	2.53e-05	1.60e-05
312	8	-5.76e-03	-0.04	-0.12	6.92e-04	3.43e-05	-2.62e-05
313	7	-0.04	2.75e-04	-3.33e-03	1.81e-05	5.77e-05	1.45e-05
313	8	-6.69e-03	-0.04	-0.14	7.23e-04	9.59e-05	-2.68e-05
314	1	0.0	-1.17e-05	-0.13	8.02e-05	6.98e-06	0.0
314	7	-0.04	2.76e-04	-2.29e-03	1.55e-05	4.46e-05	0.0
314	8	-5.67e-03	-0.04	-0.12	6.75e-04	4.79e-05	0.0
315	7	-0.04	-4.07e-04	-6.68e-04	9.92e-06	8.76e-05	1.40e-05
315	8	-6.59e-03	-0.04	-0.14	6.65e-04	1.00e-04	-2.59e-05
315	9	8.16e-03	-0.04	-0.14	6.58e-04	3.68e-05	2.80e-05
316	1	1.54e-06	-8.31e-06	-0.13	7.72e-05	6.97e-06	0.0
316	7	-0.04	-4.04e-04	5.93e-04	9.61e-06	6.97e-05	0.0
316	9	6.95e-03	-0.04	-0.11	6.31e-04	3.38e-05	0.0
317	7	-0.04	-9.41e-04	3.64e-03	-7.75e-06	9.76e-05	1.41e-05
317	9	8.26e-03	-0.04	-0.14	6.38e-04	4.03e-05	2.94e-05
318	1	3.13e-06	-6.50e-06	-0.13	7.53e-05	3.78e-06	0.0
318	7	-0.04	-9.41e-04	3.36e-03	-7.24e-06	7.93e-05	0.0
318	9	7.03e-03	-0.04	-0.11	6.19e-04	3.75e-05	0.0
319	7	-0.04	-1.50e-03	7.53e-03	-2.61e-05	9.32e-05	1.41e-05
319	9	8.38e-03	-0.04	-0.14	6.36e-04	-5.18e-05	3.06e-05
320	1	4.62e-06	-5.95e-06	-0.13	7.51e-05	0.0	0.0
320	7	-0.04	-1.50e-03	6.53e-03	-2.38e-05	7.46e-05	0.0
320	9	7.12e-03	-0.04	-0.12	6.18e-04	-4.25e-05	0.0
321	7	-0.04	-2.06e-03	0.01	-4.41e-05	7.44e-05	1.41e-05
321	9	8.51e-03	-0.04	-0.14	6.50e-04	-6.55e-05	3.18e-05
322	1	6.06e-06	-6.70e-06	-0.13	7.68e-05	-4.85e-06	0.0
322	7	-0.04	-2.06e-03	9.25e-03	-4.00e-05	5.60e-05	0.0
322	9	7.21e-03	-0.04	-0.12	6.29e-04	-4.53e-05	0.0
323	7	-0.04	-2.63e-03	0.01	-5.68e-05	3.95e-05	1.42e-05
323	9	8.65e-03	-0.04	-0.14	6.82e-04	-7.33e-05	3.32e-05
324	1	7.47e-06	-8.89e-06	-0.13	8.02e-05	-6.72e-06	0.0
324	7	-0.04	-2.63e-03	0.01	-5.22e-05	2.50e-05	0.0
324	9	7.31e-03	-0.04	-0.12	6.52e-04	-4.13e-05	0.0
325	7	-0.04	-3.20e-03	0.01	-5.65e-05	-5.17e-05	1.51e-05
325	9	8.79e-03	-0.05	-0.15	7.44e-04	-5.58e-05	3.55e-05
326	1	9.69e-06	-1.29e-05	-0.13	8.40e-05	-4.18e-06	0.0
326	7	-0.04	-3.21e-03	0.01	-4.68e-05	-3.13e-05	0.0
326	9	7.41e-03	-0.05	-0.12	6.60e-04	-3.67e-05	0.0
327	1	-1.54e-06	7.25e-06	-0.13	-6.08e-05	1.18e-06	0.0
327	6	-0.04	-9.09e-04	-3.13e-03	-1.01e-05	4.00e-05	-1.50e-05
327	8	3.61e-03	-0.04	0.07	5.37e-04	-2.30e-05	-2.59e-05
328	1	0.0	6.47e-06	-0.13	-5.92e-05	2.83e-06	0.0
328	6	-0.04	2.69e-04	-1.19e-03	-7.76e-06	4.38e-05	0.0
328	8	3.54e-03	-0.04	0.07	5.34e-04	-1.81e-05	0.0
329	1	-1.55e-06	1.26e-05	-0.13	-8.44e-05	1.29e-06	0.0
329	6	-0.04	-9.11e-04	-3.83e-03	-1.23e-05	2.65e-05	-1.57e-05
329	8	5.69e-03	-0.04	0.11	6.82e-04	-3.42e-05	-2.62e-05
330	1	0.0	1.17e-05	-0.13	-7.98e-05	6.78e-06	0.0
330	6	-0.04	-2.65e-04	-2.33e-03	-1.58e-05	4.39e-05	0.0
330	8	5.60e-03	-0.04	0.11	6.70e-04	-4.56e-05	0.0
331	1	-1.58e-06	-9.79e-06	-0.13	7.52e-05	1.25e-06	0.0
331	7	-0.04	9.26e-04	-3.40e-03	1.10e-05	3.58e-05	1.56e-05
331	8	-4.72e-03	-0.04	-0.09	5.99e-04	2.95e-05	-2.60e-05
332	1	0.0	-8.58e-06	-0.13	7.23e-05	4.48e-06	0.0
332	7	-0.04	-2.78e-04	-1.58e-03	1.19e-05	4.53e-05	0.0

332	8	-4.63e-03	-0.04	-0.09	5.99e-04	2.49e-05	0.0
333	1	1.99e-06	-6.92e-06	-0.13	7.01e-05	4.62e-06	0.0
333	7	-0.04	-3.98e-04	7.71e-04	6.16e-06	5.77e-05	0.0
333	9	5.71e-03	-0.04	-0.09	5.82e-04	-3.52e-05	0.0
334	1	3.31e-06	-5.74e-06	-0.13	6.87e-05	2.76e-06	0.0
334	7	-0.04	-9.40e-04	3.12e-03	-6.79e-06	6.38e-05	0.0
334	9	5.78e-03	-0.04	-0.09	5.80e-04	-3.44e-05	0.0
335	1	4.52e-06	-5.39e-06	-0.13	6.85e-05	0.0	0.0
335	7	-0.04	-1.50e-03	5.63e-03	-2.07e-05	5.88e-05	0.0
335	9	5.84e-03	-0.04	-0.09	5.83e-04	-3.36e-05	0.0
336	1	5.69e-06	-5.99e-06	-0.13	6.98e-05	-2.48e-06	0.0
336	7	-0.04	-2.06e-03	7.72e-03	-3.35e-05	4.28e-05	0.0
336	9	5.91e-03	-0.04	-0.09	5.90e-04	-3.11e-05	0.0
337	1	6.94e-06	-7.50e-06	-0.13	7.22e-05	-3.28e-06	0.0
337	7	-0.04	-2.63e-03	8.94e-03	-4.12e-05	1.94e-05	0.0
337	9	5.98e-03	-0.04	-0.09	5.98e-04	-2.56e-05	0.0
338	1	8.56e-06	-9.49e-06	-0.13	7.46e-05	-1.53e-06	0.0
338	7	-0.04	-3.22e-03	8.95e-03	-3.85e-05	-2.44e-05	0.0
338	9	6.06e-03	-0.05	-0.09	6.04e-04	1.99e-05	0.0
339	1	2.08e-06	5.57e-06	-0.13	-5.80e-05	2.98e-06	0.0
339	6	-0.04	3.75e-04	8.42e-04	-3.46e-06	4.90e-05	0.0
339	9	-4.41e-03	-0.04	0.07	5.27e-04	2.99e-05	0.0
340	1	2.06e-06	7.00e-06	-0.13	-6.94e-05	4.48e-06	0.0
340	6	-0.04	3.80e-04	6.79e-04	-6.49e-06	5.67e-05	0.0
340	9	-5.67e-03	-0.04	0.09	5.78e-04	3.51e-05	0.0
341	1	3.38e-06	5.89e-06	-0.13	-6.80e-05	2.69e-06	0.0
341	6	-0.04	9.15e-04	2.98e-03	6.02e-06	6.25e-05	0.0
341	9	-5.73e-03	-0.04	0.09	5.77e-04	3.41e-05	0.0
342	1	-1.59e-06	-7.27e-06	-0.13	6.19e-05	1.19e-06	0.0
342	7	-0.04	9.25e-04	-3.09e-03	1.01e-05	4.00e-05	1.53e-05
342	8	-3.68e-03	-0.04	-0.07	5.40e-04	2.34e-05	-2.59e-05
343	1	0.0	-6.46e-06	-0.13	6.02e-05	2.92e-06	0.0
343	7	-0.04	-2.79e-04	-1.15e-03	7.63e-06	4.41e-05	0.0
343	8	-3.61e-03	-0.04	-0.07	5.38e-04	1.85e-05	0.0
344	1	2.04e-06	-5.50e-06	-0.13	5.89e-05	3.07e-06	0.0
344	7	-0.04	-3.93e-04	9.20e-04	3.25e-06	4.97e-05	0.0
344	9	4.46e-03	-0.04	-0.07	5.31e-04	-3.04e-05	0.0
345	1	3.34e-06	-4.76e-06	-0.13	5.80e-05	2.05e-06	0.0
345	7	-0.04	-9.38e-04	2.90e-03	-6.72e-06	5.15e-05	0.0
345	9	4.51e-03	-0.04	-0.07	5.36e-04	-2.86e-05	0.0
346	1	4.51e-06	-4.55e-06	-0.13	5.79e-05	0.0	0.0
346	7	-0.04	-1.50e-03	4.89e-03	-1.70e-05	4.63e-05	0.0
346	9	4.56e-03	-0.04	-0.07	5.41e-04	-2.57e-05	0.0
347	1	5.68e-06	-4.97e-06	-0.13	5.87e-05	0.0	0.0
347	7	-0.04	-2.07e-03	6.50e-03	-2.61e-05	3.34e-05	0.0
347	9	4.61e-03	-0.04	-0.07	5.46e-04	-2.21e-05	0.0
348	1	7.01e-06	-5.90e-06	-0.13	6.02e-05	-1.17e-06	0.0
348	7	-0.04	-2.64e-03	7.46e-03	-3.05e-05	1.62e-05	0.0
348	9	4.66e-03	-0.04	-0.07	5.50e-04	-1.85e-05	0.0
349	1	8.69e-06	-6.89e-06	-0.13	6.16e-05	0.0	0.0
349	7	-0.04	-3.22e-03	7.63e-03	-2.85e-05	-1.29e-05	0.0
349	9	4.73e-03	-0.05	-0.07	5.52e-04	-1.70e-05	0.0
350	1	3.38e-06	4.88e-06	-0.12	-5.71e-05	2.01e-06	0.0
350	6	-0.04	9.13e-04	2.79e-03	6.03e-06	5.06e-05	0.0
350	9	-4.46e-03	-0.04	0.07	5.33e-04	2.81e-05	0.0
351	1	1.67e-06	8.41e-06	-0.13	-7.69e-05	6.78e-06	0.0
351	6	-0.04	3.86e-04	5.12e-04	-1.01e-05	6.82e-05	0.0
351	9	-6.91e-03	-0.04	0.11	6.28e-04	-3.39e-05	0.0
352	1	3.26e-06	6.66e-06	-0.13	-7.50e-05	3.70e-06	0.0
352	6	-0.04	9.16e-04	3.18e-03	6.35e-06	7.77e-05	0.0
352	9	-6.99e-03	-0.04	0.11	6.16e-04	-3.72e-05	0.0
353	1	-1.58e-06	-5.02e-06	-0.12	4.61e-05	1.15e-06	0.0
353	7	-0.04	9.24e-04	-2.83e-03	9.31e-06	4.09e-05	1.52e-05
353	8	-2.64e-03	-0.04	-0.05	4.97e-04	1.69e-05	-2.60e-05
354	1	0.0	-4.52e-06	-0.12	4.52e-05	2.03e-06	0.0
354	7	-0.04	-2.80e-04	-8.95e-04	5.47e-06	4.24e-05	0.0
354	8	-2.59e-03	-0.04	-0.05	4.94e-04	1.33e-05	0.0
355	1	1.97e-06	-3.97e-06	-0.12	4.45e-05	2.14e-06	0.0
355	7	-0.04	-3.90e-04	9.63e-04	2.04e-06	4.39e-05	0.0
355	9	3.19e-03	-0.04	-0.05	4.89e-04	-2.19e-05	0.0
356	1	3.30e-06	-3.55e-06	-0.12	4.39e-05	1.62e-06	0.0
356	7	-0.04	-9.37e-04	2.68e-03	-6.33e-06	4.30e-05	0.0
356	9	3.23e-03	-0.04	-0.05	4.96e-04	-2.09e-05	0.0
357	1	4.54e-06	-3.43e-06	-0.12	4.39e-05	0.0	0.0
357	7	-0.04	-1.50e-03	4.30e-03	-1.35e-05	3.76e-05	0.0
357	9	3.27e-03	-0.04	-0.05	5.02e-04	-1.83e-05	0.0
358	1	5.79e-06	-3.69e-06	-0.12	4.44e-05	0.0	0.0

358	7	-0.04	-2.07e-03	5.61e-03	-1.97e-05	2.73e-05	0.0
358	9	3.30e-03	-0.04	-0.05	5.07e-04	-1.55e-05	0.0
359	1	7.20e-06	-4.20e-06	-0.12	4.52e-05	0.0	0.0
359	7	-0.04	-2.65e-03	6.43e-03	-2.29e-05	1.47e-05	0.0
359	9	3.34e-03	-0.04	-0.05	5.11e-04	-1.34e-05	0.0
360	1	8.85e-06	-4.69e-06	-0.12	4.60e-05	0.0	0.0
360	7	-0.04	-3.23e-03	6.72e-03	-2.29e-05	-7.69e-06	0.0
360	9	3.39e-03	-0.05	-0.05	5.14e-04	-1.30e-05	0.0
361	1	4.55e-06	4.71e-06	-0.12	-5.70e-05	0.0	0.0
361	6	-0.04	1.46e-03	4.74e-03	1.61e-05	4.53e-05	0.0
361	9	-4.51e-03	-0.04	0.07	5.38e-04	2.51e-05	0.0
362	1	4.71e-06	6.17e-06	-0.13	-7.48e-05	0.0	0.0
362	6	-0.04	1.46e-03	6.29e-03	2.26e-05	7.30e-05	0.0
362	9	-7.07e-03	-0.04	0.11	6.15e-04	4.18e-05	0.0
363	1	6.11e-06	7.00e-06	-0.13	-7.65e-05	-4.66e-06	0.0
363	6	-0.04	2.01e-03	8.96e-03	3.85e-05	5.52e-05	0.0
363	9	-7.16e-03	-0.04	0.11	6.26e-04	4.42e-05	0.0
364	1	-1.57e-06	-2.95e-06	-0.12	2.87e-05	1.11e-06	0.0
364	7	-0.04	9.23e-04	-2.63e-03	-8.72e-06	4.03e-05	1.51e-05
364	8	-1.60e-03	-0.04	-0.03	4.68e-04	1.03e-05	-2.61e-05
365	1	0.0	-2.68e-06	-0.12	2.82e-05	1.58e-06	0.0
365	7	-0.04	-2.80e-04	-7.38e-04	4.58e-06	4.04e-05	0.0
365	8	-1.57e-03	-0.04	-0.03	4.65e-04	8.12e-06	0.0
366	1	1.90e-06	-2.39e-06	-0.12	2.78e-05	1.65e-06	0.0
366	7	-0.04	-3.88e-04	9.43e-04	2.06e-06	3.99e-05	0.0
366	9	1.93e-03	-0.04	-0.03	4.61e-04	-1.30e-05	0.0
367	1	3.27e-06	-2.17e-06	-0.12	2.75e-05	1.38e-06	0.0
367	7	-0.04	-9.37e-04	2.48e-03	-5.53e-06	3.75e-05	0.0
367	9	1.95e-03	-0.04	-0.03	4.68e-04	-1.25e-05	0.0
368	1	4.58e-06	-2.11e-06	-0.12	2.75e-05	0.0	0.0
368	7	-0.04	-1.50e-03	3.88e-03	-1.05e-05	3.21e-05	0.0
368	9	1.97e-03	-0.04	-0.03	4.74e-04	-1.11e-05	0.0
369	1	5.91e-06	-2.24e-06	-0.12	2.78e-05	0.0	0.0
369	7	-0.04	-2.07e-03	5.00e-03	-1.50e-05	2.36e-05	0.0
369	9	1.99e-03	-0.04	-0.03	4.79e-04	-9.40e-06	0.0
370	1	7.35e-06	-2.49e-06	-0.12	2.82e-05	0.0	0.0
370	7	-0.04	-2.65e-03	5.75e-03	-1.80e-05	1.37e-05	0.0
370	9	2.02e-03	-0.04	-0.03	4.83e-04	-8.29e-06	0.0
371	1	8.96e-06	-2.71e-06	-0.12	2.86e-05	1.17e-06	0.0
371	7	-0.04	-3.23e-03	6.08e-03	-1.96e-05	5.75e-06	0.0
371	9	2.05e-03	-0.05	-0.03	4.87e-04	-8.24e-06	0.0
372	1	5.73e-06	5.13e-06	-0.12	-5.78e-05	0.0	0.0
372	6	-0.04	2.02e-03	6.32e-03	2.49e-05	3.24e-05	0.0
372	9	-4.56e-03	-0.04	0.07	5.42e-04	2.14e-05	0.0
373	1	7.56e-06	9.22e-06	-0.13	-7.97e-05	-6.41e-06	0.0
373	6	-0.04	2.57e-03	0.01	5.13e-05	2.37e-05	0.0
373	9	-7.26e-03	-0.04	0.12	6.46e-04	3.94e-05	0.0
374	1	9.92e-06	1.31e-05	-0.13	-8.33e-05	-4.15e-06	0.0
374	6	-0.04	3.14e-03	0.01	4.68e-05	-4.23e-05	0.0
374	9	-7.37e-03	-0.05	0.12	6.69e-04	3.07e-05	0.0
375	1	-1.56e-06	0.0	-0.12	1.01e-05	1.09e-06	0.0
375	7	-0.04	9.22e-04	-2.50e-03	-8.35e-06	3.91e-05	1.50e-05
375	8	-5.57e-04	-0.04	-9.66e-03	4.53e-04	3.60e-06	-2.61e-05
376	1	0.0	0.0	-0.12	9.96e-06	1.38e-06	0.0
376	7	-0.04	-2.80e-04	-6.58e-04	4.25e-06	3.87e-05	0.0
376	8	-5.46e-04	-0.04	-9.53e-03	4.50e-04	2.86e-06	0.0
377	1	1.86e-06	0.0	-0.12	9.85e-06	1.43e-06	0.0
377	7	-0.04	-3.88e-04	9.04e-04	2.04e-06	3.74e-05	0.0
377	9	6.60e-04	-0.04	-9.47e-03	4.46e-04	-4.48e-06	0.0
378	1	3.26e-06	0.0	-0.12	9.77e-06	1.28e-06	0.0
378	7	-0.04	-9.37e-04	2.34e-03	4.59e-06	3.43e-05	0.0
378	9	6.68e-04	-0.04	-9.62e-03	4.53e-04	-4.33e-06	0.0
379	1	4.60e-06	0.0	-0.12	9.76e-06	1.03e-06	0.0
379	7	-0.04	-1.50e-03	3.61e-03	8.34e-06	2.90e-05	0.0
379	9	6.75e-04	-0.04	-9.76e-03	4.59e-04	-3.84e-06	0.0
380	1	5.97e-06	0.0	-0.12	9.85e-06	0.0	0.0
380	7	-0.04	-2.08e-03	4.63e-03	1.19e-05	2.14e-05	0.0
380	9	6.83e-04	-0.04	-9.87e-03	4.64e-04	-3.28e-06	0.0
381	1	7.43e-06	0.0	-0.12	9.98e-06	0.0	0.0
381	7	-0.04	-2.65e-03	5.31e-03	1.51e-05	1.28e-05	0.0
381	9	6.92e-04	-0.04	-9.96e-03	4.69e-04	-2.90e-06	0.0
382	1	9.01e-06	0.0	-0.12	1.01e-05	1.34e-06	0.0
382	7	-0.04	-3.23e-03	5.65e-03	1.78e-05	4.91e-06	0.0
382	9	7.02e-04	-0.05	-0.01	4.73e-04	-2.89e-06	0.0
383	1	7.07e-06	6.02e-06	-0.12	-5.92e-05	-1.04e-06	0.0
383	6	-0.04	2.58e-03	7.24e-03	2.90e-05	1.57e-05	0.0
383	9	-4.61e-03	-0.04	0.07	5.46e-04	1.79e-05	0.0

384	1	8.73e-06	6.96e-06	-0.12	-6.06e-05	0.0	0.0
384	6	-0.04	3.16e-03	7.42e-03	2.68e-05	-1.23e-05	0.0
384	9	-4.67e-03	-0.05	0.07	5.48e-04	1.69e-05	0.0
385	6	-0.04	2.57e-03	0.01	5.66e-05	4.01e-05	-1.38e-05
385	9	-8.69e-03	-0.04	0.14	6.79e-04	7.31e-05	3.32e-05
386	1	-1.55e-06	0.0	-0.12	-8.78e-06	1.09e-06	0.0
386	6	-0.04	-9.07e-04	-2.51e-03	8.30e-06	3.90e-05	-1.47e-05
386	8	4.87e-04	-0.04	8.39e-03	4.53e-04	-3.07e-06	-2.61e-05
387	1	0.0	0.0	-0.12	-8.64e-06	1.37e-06	0.0
387	6	-0.04	2.70e-04	-6.68e-04	-4.23e-06	3.86e-05	0.0
387	8	4.78e-04	-0.04	8.29e-03	4.49e-04	-2.44e-06	0.0
388	1	1.87e-06	0.0	-0.12	-8.55e-06	1.43e-06	0.0
388	6	-0.04	3.70e-04	8.90e-04	-1.68e-06	3.73e-05	0.0
388	9	-6.09e-04	-0.04	8.21e-03	4.45e-04	3.90e-06	0.0
389	1	3.27e-06	0.0	-0.12	-8.48e-06	1.28e-06	0.0
389	6	-0.04	9.12e-04	2.32e-03	-4.05e-06	3.42e-05	0.0
389	9	-6.16e-04	-0.04	8.34e-03	4.52e-04	3.77e-06	0.0
390	1	4.61e-06	0.0	-0.12	-8.47e-06	1.04e-06	0.0
390	6	-0.04	1.47e-03	3.58e-03	-7.70e-06	2.88e-05	0.0
390	9	-6.22e-04	-0.04	8.46e-03	4.59e-04	3.36e-06	0.0
391	1	5.97e-06	0.0	-0.12	-8.54e-06	0.0	0.0
391	6	-0.04	2.03e-03	4.59e-03	-1.12e-05	2.13e-05	0.0
391	9	-6.29e-04	-0.04	8.56e-03	4.64e-04	2.91e-06	0.0
392	1	7.44e-06	0.0	-0.12	-8.66e-06	0.0	0.0
392	6	-0.04	2.59e-03	5.27e-03	-1.43e-05	1.27e-05	0.0
392	9	-6.36e-04	-0.04	8.65e-03	4.68e-04	2.64e-06	0.0
393	1	9.01e-06	0.0	-0.12	-8.75e-06	1.34e-06	0.0
393	6	-0.04	3.16e-03	5.61e-03	-1.71e-05	4.88e-06	0.0
393	9	-6.44e-04	-0.05	8.73e-03	4.73e-04	2.68e-06	0.0
394	1	0.0	8.58e-06	-0.13	-7.15e-05	4.33e-06	0.0
394	6	-0.04	2.67e-04	-1.62e-03	-1.20e-05	4.50e-05	0.0
394	8	4.56e-03	-0.04	0.09	5.94e-04	-2.41e-05	0.0
395	1	4.59e-06	5.58e-06	-0.13	-6.79e-05	0.0	0.0
395	6	-0.04	1.46e-03	5.44e-03	1.96e-05	5.76e-05	0.0
395	9	-5.79e-03	-0.04	0.09	5.79e-04	3.30e-05	0.0
396	1	5.76e-06	6.20e-06	-0.13	-6.92e-05	-2.33e-06	0.0
396	6	-0.04	2.02e-03	7.49e-03	3.24e-05	4.16e-05	0.0
396	9	-5.86e-03	-0.04	0.09	5.86e-04	3.01e-05	0.0
397	1	-1.55e-06	2.94e-06	-0.12	-2.74e-05	1.11e-06	0.0
397	6	-0.04	-9.07e-04	-2.65e-03	-8.70e-06	4.02e-05	-1.48e-05
397	8	1.53e-03	-0.04	0.03	4.67e-04	-9.75e-06	-2.61e-05
398	1	0.0	2.71e-06	-0.12	-2.69e-05	1.55e-06	0.0
398	6	-0.04	2.70e-04	-7.61e-04	-4.61e-06	4.02e-05	0.0
398	8	1.50e-03	-0.04	0.03	4.63e-04	-7.70e-06	0.0
399	1	1.91e-06	2.46e-06	-0.12	-2.66e-05	1.62e-06	0.0
399	6	-0.04	3.70e-04	9.06e-04	-1.73e-06	3.97e-05	0.0
399	9	-1.88e-03	-0.04	0.03	4.59e-04	1.24e-05	0.0
400	1	3.29e-06	2.27e-06	-0.12	-2.63e-05	1.37e-06	0.0
400	6	-0.04	9.12e-04	2.43e-03	4.90e-06	3.72e-05	0.0
400	9	-1.90e-03	-0.04	0.03	4.66e-04	1.19e-05	0.0
401	1	4.59e-06	2.23e-06	-0.12	-2.63e-05	0.0	0.0
401	6	-0.04	1.47e-03	3.82e-03	9.72e-06	3.17e-05	0.0
401	9	-1.92e-03	-0.04	0.03	4.72e-04	1.06e-05	0.0
402	1	5.92e-06	2.37e-06	-0.12	-2.65e-05	0.0	0.0
402	6	-0.04	2.03e-03	4.92e-03	1.40e-05	2.33e-05	0.0
402	9	-1.94e-03	-0.04	0.03	4.77e-04	9.02e-06	0.0
403	1	7.37e-06	2.61e-06	-0.12	-2.69e-05	0.0	0.0
403	6	-0.04	2.59e-03	5.66e-03	1.70e-05	1.36e-05	0.0
403	9	-1.96e-03	-0.04	0.03	4.82e-04	8.02e-06	0.0
404	1	8.97e-06	2.81e-06	-0.12	-2.73e-05	1.20e-06	0.0
404	6	-0.04	3.16e-03	5.99e-03	1.87e-05	5.68e-06	0.0
404	9	-1.99e-03	-0.05	0.03	4.85e-04	8.05e-06	0.0
405	6	-0.04	9.16e-04	3.44e-03	6.83e-06	9.70e-05	-1.38e-05
405	9	-8.30e-03	-0.04	0.14	6.37e-04	-4.03e-05	2.94e-05
406	6	-0.04	3.13e-03	0.01	5.44e-05	-4.45e-05	-1.49e-05
406	9	-8.83e-03	-0.05	0.15	7.32e-04	5.86e-05	3.52e-05
407	1	7.04e-06	7.66e-06	-0.13	-7.15e-05	-3.07e-06	0.0
407	6	-0.04	2.58e-03	8.64e-03	3.92e-05	1.80e-05	0.0
407	9	-5.93e-03	-0.04	0.09	5.95e-04	2.48e-05	0.0
408	1	-1.55e-06	5.01e-06	-0.12	-4.49e-05	1.14e-06	0.0
408	6	-0.04	-9.08e-04	-2.86e-03	-9.30e-06	4.08e-05	-1.49e-05
408	8	2.57e-03	-0.04	0.05	4.95e-04	-1.64e-05	-2.60e-05
409	1	0.0	4.55e-06	-0.12	-4.40e-05	1.98e-06	0.0
409	6	-0.04	2.69e-04	-9.26e-04	-5.57e-06	4.21e-05	0.0
409	8	2.52e-03	-0.04	0.05	4.92e-04	-1.29e-05	0.0
410	1	1.99e-06	4.04e-06	-0.12	-4.33e-05	2.09e-06	0.0
410	6	-0.04	3.72e-04	9.05e-04	-1.94e-06	4.35e-05	0.0

410	9	-3.14e-03	-0.04	0.04	4.87e-04	2.13e-05	0.0
411	1	3.33e-06	3.66e-06	-0.12	-4.28e-05	1.60e-06	0.0
411	6	-0.04	9.12e-04	2.60e-03	5.68e-06	4.24e-05	0.0
411	9	-3.18e-03	-0.04	0.05	4.94e-04	2.03e-05	0.0
412	1	4.57e-06	3.57e-06	-0.12	-4.28e-05	0.0	0.0
412	6	-0.04	1.47e-03	4.20e-03	1.26e-05	3.69e-05	0.0
412	9	-3.21e-03	-0.04	0.05	5.00e-04	1.78e-05	0.0
413	1	5.83e-06	3.82e-06	-0.12	-4.33e-05	0.0	0.0
413	6	-0.04	2.03e-03	5.48e-03	1.85e-05	2.68e-05	0.0
413	9	-3.25e-03	-0.04	0.05	5.04e-04	1.50e-05	0.0
414	1	7.24e-06	4.32e-06	-0.12	-4.41e-05	0.0	0.0
414	6	-0.04	2.59e-03	6.29e-03	2.15e-05	1.45e-05	0.0
414	9	-3.29e-03	-0.04	0.05	5.08e-04	1.31e-05	0.0
415	6	-0.05	-0.02	0.11	2.15e-04	-5.11e-04	2.06e-05
415	8	9.70e-03	-0.07	0.25	1.56e-03	-1.89e-04	-4.80e-05
416	6	-0.58	-0.20	0.12	4.10e-04	-7.87e-04	-1.73e-04
416	8	0.08	-1.30	0.26	2.71e-03	-6.45e-05	-2.64e-04
417	7	-0.05	0.02	0.11	-2.18e-04	-5.11e-04	-2.10e-05
417	8	-9.70e-03	-0.07	-0.25	1.56e-03	1.89e-04	-4.82e-05
418	7	-0.58	0.21	0.12	-4.17e-04	-7.86e-04	1.76e-04
418	8	-0.08	-1.30	-0.26	2.71e-03	6.43e-05	-2.64e-04
419	6	-0.05	-0.01	0.02	1.09e-04	-3.43e-04	-1.70e-05
419	8	8.85e-03	-0.06	0.19	1.05e-03	-9.37e-05	-3.53e-05
420	7	-0.04	5.70e-03	-0.02	7.13e-05	-2.14e-04	1.65e-05
420	8	-7.80e-03	-0.05	-0.16	9.17e-04	2.38e-05	-3.02e-05
421	7	-0.58	0.08	-0.02	-1.80e-04	-5.79e-04	1.89e-04
421	8	-0.08	-1.13	-0.16	2.69e-03	-3.90e-05	-2.95e-04
422	6	-0.58	-0.08	-0.02	1.77e-04	-5.80e-04	-1.86e-04
422	8	0.08	-1.13	0.16	2.69e-03	3.94e-05	-2.95e-04
423	6	-0.04	-0.01	0.08	1.40e-04	-3.17e-04	-1.70e-05
423	8	9.44e-03	-0.07	0.23	1.10e-03	-2.67e-04	-4.06e-05
424	7	-0.58	0.14	0.02	-3.22e-04	-6.41e-04	1.88e-04
424	8	-0.08	-1.21	-0.19	2.82e-03	5.34e-05	-2.85e-04
425	6	-0.58	-0.14	0.02	3.17e-04	-6.41e-04	-1.84e-04
425	8	0.08	-1.21	0.19	2.82e-03	-5.36e-05	-2.85e-04
426	6	-0.04	-5.60e-03	-0.02	-7.04e-05	-2.14e-04	-1.62e-05
426	8	7.80e-03	-0.05	0.16	9.16e-04	-2.40e-05	-3.03e-05
427	7	-0.05	0.01	0.02	-1.11e-04	-3.43e-04	1.73e-05
427	8	-8.85e-03	-0.06	-0.19	1.05e-03	9.36e-05	-3.53e-05
428	1	-9.95e-06	5.52e-06	-0.13	-5.99e-05	5.80e-06	0.0
428	6	-0.04	-4.30e-03	-0.01	-4.92e-05	1.57e-05	0.0
428	8	3.96e-03	-0.05	0.07	5.80e-04	-2.23e-05	0.0
429	1	-1.15e-05	6.38e-06	-0.13	-6.17e-05	5.64e-06	0.0
429	6	-0.04	-4.88e-03	-0.01	-4.94e-05	-1.67e-05	0.0
429	8	4.03e-03	-0.05	0.07	5.85e-04	-2.24e-05	0.0
430	1	-1.17e-05	8.61e-06	-0.13	-7.49e-05	7.69e-06	0.0
430	6	-0.04	-4.87e-03	-0.02	-6.14e-05	-2.48e-05	0.0
430	8	5.19e-03	-0.05	0.10	6.36e-04	-2.74e-05	0.0
431	1	-1.01e-05	7.03e-06	-0.13	-7.21e-05	8.12e-06	0.0
431	6	-0.04	-4.29e-03	-0.02	-6.03e-05	2.02e-05	0.0
431	8	5.11e-03	-0.05	0.10	6.29e-04	-3.09e-05	0.0
432	1	-8.65e-06	4.80e-06	-0.13	-5.83e-05	4.66e-06	0.0
432	6	-0.04	-3.72e-03	-0.01	-4.31e-05	3.39e-05	0.0
432	8	3.91e-03	-0.05	0.07	5.74e-04	-2.48e-05	0.0
433	1	-8.76e-06	5.85e-06	-0.13	-6.97e-05	6.28e-06	0.0
433	6	-0.04	-3.72e-03	-0.01	-5.10e-05	4.51e-05	0.0
433	8	5.03e-03	-0.05	0.10	6.18e-04	-3.39e-05	0.0
434	1	-7.47e-06	4.56e-06	-0.13	-5.75e-05	2.71e-06	0.0
434	6	-0.04	-3.16e-03	-0.01	-3.36e-05	4.72e-05	0.0
434	8	3.85e-03	-0.04	0.07	5.68e-04	-2.78e-05	0.0
435	1	-7.55e-06	5.46e-06	-0.13	-6.84e-05	3.16e-06	0.0
435	6	-0.04	-3.16e-03	-0.01	-3.76e-05	6.03e-05	0.0
435	8	4.96e-03	-0.04	0.09	6.11e-04	-3.49e-05	0.0
436	7	-0.04	4.95e-03	-0.02	8.29e-05	-3.44e-05	1.51e-05
436	8	-7.63e-03	-0.05	-0.16	7.54e-04	7.98e-05	-3.04e-05
437	1	-2.51e-05	3.21e-06	-0.13	-4.73e-05	1.78e-05	0.0
437	6	-0.04	-0.01	0.03	7.30e-05	-1.93e-04	0.0
437	8	3.34e-03	-0.06	0.07	7.03e-04	-5.16e-05	0.0
438	1	-1.41e-05	-1.24e-05	-0.13	8.78e-05	4.90e-06	0.0
438	7	-0.04	5.69e-03	-0.02	5.74e-05	-7.07e-05	0.0
438	8	-6.58e-03	-0.05	-0.13	7.18e-04	3.98e-05	0.0
439	1	-1.34e-05	-1.23e-05	-0.13	8.47e-05	1.14e-05	0.0
439	7	-0.04	4.96e-03	-0.02	7.47e-05	-4.23e-05	0.0
439	8	-6.47e-03	-0.05	-0.13	7.08e-04	4.58e-05	0.0
440	7	-0.04	4.37e-03	-0.02	7.87e-05	4.92e-05	1.44e-05
440	8	-7.50e-03	-0.05	-0.15	7.07e-04	8.22e-05	-2.92e-05
441	1	-1.08e-05	-8.63e-06	-0.13	8.06e-05	1.20e-05	0.0

441	7	-0.04	4.37e-03	-0.02	7.34e-05	3.04e-05	0.0
441	8	-6.34e-03	-0.05	-0.12	6.80e-04	4.98e-05	0.0
442	7	-0.04	3.79e-03	-0.02	6.20e-05	8.11e-05	1.44e-05
442	8	-7.35e-03	-0.05	-0.15	6.79e-04	6.68e-05	-2.78e-05
443	1	-9.18e-06	-6.67e-06	-0.13	7.73e-05	8.79e-06	0.0
443	7	-0.04	3.79e-03	-0.02	5.78e-05	6.20e-05	0.0
443	8	-6.23e-03	-0.05	-0.12	6.60e-04	4.89e-05	0.0
444	7	-0.04	3.22e-03	-0.02	4.36e-05	9.77e-05	1.43e-05
444	8	-7.21e-03	-0.04	-0.15	6.68e-04	4.75e-05	-2.65e-05
445	1	-7.71e-06	-6.07e-06	-0.13	7.57e-05	3.79e-06	0.0
445	7	-0.04	3.22e-03	-0.01	4.13e-05	7.83e-05	0.0
445	8	-6.13e-03	-0.04	-0.12	6.50e-04	4.18e-05	0.0
446	7	-0.04	2.65e-03	-0.01	2.73e-05	9.92e-05	1.42e-05
446	8	-7.08e-03	-0.04	-0.15	6.74e-04	-3.19e-05	-2.51e-05
447	1	-6.25e-06	-6.79e-06	-0.13	7.60e-05	-1.16e-06	0.0
447	7	-0.04	2.65e-03	-0.01	2.66e-05	8.05e-05	0.0
447	8	-6.03e-03	-0.04	-0.12	6.53e-04	3.44e-05	0.0
448	7	-0.04	2.09e-03	-7.47e-03	-1.85e-05	8.50e-05	1.40e-05
448	8	-6.97e-03	-0.04	-0.15	6.99e-04	-2.73e-05	-2.36e-05
449	1	-4.65e-06	-8.80e-06	-0.13	7.80e-05	-4.30e-06	0.0
449	7	-0.04	2.08e-03	-7.19e-03	-1.81e-05	6.77e-05	0.0
449	8	-5.94e-03	-0.04	-0.12	6.68e-04	3.08e-05	0.0
450	7	-0.04	1.52e-03	-4.81e-03	-1.60e-05	4.81e-05	1.46e-05
450	8	-6.88e-03	-0.04	-0.15	7.50e-04	-2.42e-05	-2.39e-05
451	1	-1.96e-06	-1.23e-05	-0.13	8.09e-05	-3.80e-06	0.0
451	7	-0.04	1.51e-03	-4.96e-03	-1.47e-05	4.08e-05	0.0
451	8	-5.82e-03	-0.04	-0.12	6.92e-04	3.06e-05	0.0
452	1	-7.64e-06	6.09e-06	-0.13	-7.53e-05	3.74e-06	0.0
452	6	-0.04	-3.16e-03	-0.01	-4.10e-05	7.67e-05	0.0
452	8	6.06e-03	-0.04	0.12	6.48e-04	-4.14e-05	0.0
453	1	-9.08e-06	6.66e-06	-0.13	-7.69e-05	8.60e-06	0.0
453	6	-0.04	-3.72e-03	-0.02	-5.73e-05	6.05e-05	0.0
453	8	6.16e-03	-0.05	0.12	6.57e-04	-4.78e-05	0.0
454	6	-0.04	-3.73e-03	-0.02	-6.19e-05	8.07e-05	-1.41e-05
454	8	7.36e-03	-0.05	0.15	6.79e-04	-6.68e-05	-2.78e-05
455	6	-0.04	-3.16e-03	-0.02	-4.35e-05	9.74e-05	-1.40e-05
455	8	7.22e-03	-0.04	0.15	6.68e-04	-4.75e-05	-2.65e-05
456	1	-1.35e-05	6.83e-06	-0.13	-6.29e-05	4.05e-06	0.0
456	6	-0.04	-5.58e-03	-0.01	-4.56e-05	-3.50e-05	0.0
456	8	4.11e-03	-0.05	0.07	5.92e-04	-2.71e-05	0.0
457	1	-1.37e-05	9.40e-06	-0.13	-7.68e-05	4.44e-06	0.0
457	6	-0.04	-5.59e-03	-0.01	-5.01e-05	-5.31e-05	0.0
457	8	5.30e-03	-0.05	0.10	6.40e-04	-3.29e-05	0.0
458	1	-6.27e-06	4.88e-06	-0.13	-5.75e-05	0.0	0.0
458	6	-0.04	-2.60e-03	-8.68e-03	-2.41e-05	5.18e-05	0.0
458	8	3.80e-03	-0.04	0.07	5.62e-04	-3.04e-05	0.0
459	1	-6.31e-06	5.96e-06	-0.13	-6.86e-05	0.0	0.0
459	6	-0.04	-2.60e-03	-9.42e-03	-2.53e-05	6.37e-05	0.0
459	8	4.88e-03	-0.04	0.09	6.08e-04	-3.53e-05	0.0
460	1	-4.93e-06	5.67e-06	-0.13	-5.84e-05	0.0	0.0
460	6	-0.04	-2.03e-03	-6.63e-03	1.72e-05	4.93e-05	0.0
460	8	3.74e-03	-0.04	0.07	5.55e-04	-3.17e-05	0.0
461	1	-4.94e-06	7.21e-06	-0.13	-7.01e-05	-1.81e-06	0.0
461	6	-0.04	-2.04e-03	-6.97e-03	1.73e-05	5.63e-05	0.0
461	8	4.81e-03	-0.04	0.09	6.09e-04	-3.67e-05	0.0
462	1	-1.37e-05	-9.59e-06	-0.13	7.77e-05	4.46e-06	0.0
462	7	-0.04	5.69e-03	-0.01	5.11e-05	-5.44e-05	0.0
462	8	-5.38e-03	-0.05	-0.10	6.44e-04	3.33e-05	0.0
463	1	-1.18e-05	-8.77e-06	-0.13	7.58e-05	7.87e-06	0.0
463	7	-0.04	4.96e-03	-0.02	6.26e-05	-2.56e-05	0.0
463	8	-5.27e-03	-0.05	-0.10	6.41e-04	2.81e-05	0.0
464	1	-1.01e-05	-7.12e-06	-0.13	7.29e-05	8.32e-06	0.0
464	7	-0.04	4.37e-03	-0.02	6.13e-05	2.10e-05	0.0
464	8	-5.19e-03	-0.05	-0.10	6.33e-04	3.18e-05	0.0
465	1	-8.82e-06	-5.88e-06	-0.13	7.04e-05	6.42e-06	0.0
465	7	-0.04	3.79e-03	-0.01	5.16e-05	4.63e-05	0.0
465	8	-5.11e-03	-0.05	-0.10	6.21e-04	3.48e-05	0.0
466	1	-7.61e-06	-5.46e-06	-0.13	6.91e-05	3.21e-06	0.0
466	7	-0.04	3.22e-03	-0.01	3.80e-05	6.16e-05	0.0
466	8	-5.03e-03	-0.04	-0.10	6.14e-04	3.54e-05	0.0
467	1	-6.38e-06	-5.96e-06	-0.13	6.93e-05	0.0	0.0
467	7	-0.04	2.65e-03	-9.43e-03	2.55e-05	6.49e-05	0.0
467	8	-4.96e-03	-0.04	-0.09	6.12e-04	3.54e-05	0.0
468	1	-5.01e-06	-7.24e-06	-0.13	7.08e-05	-1.93e-06	0.0
468	7	-0.04	2.08e-03	-6.94e-03	-1.75e-05	5.71e-05	0.0
468	8	-4.88e-03	-0.04	-0.09	6.13e-04	3.67e-05	0.0
469	1	-3.32e-06	-8.91e-06	-0.13	7.28e-05	-1.57e-06	0.0

469	7	-0.04	1.50e-03	-4.93e-03	-1.34e-05	4.42e-05	0.0
469	8	-4.80e-03	-0.04	-0.09	6.12e-04	3.82e-05	0.0
470	1	-3.33e-06	6.60e-06	-0.13	-5.95e-05	0.0	0.0
470	6	-0.04	-1.47e-03	-4.78e-03	1.29e-05	4.37e-05	0.0
470	8	3.67e-03	-0.04	0.07	5.47e-04	-2.94e-05	0.0
471	1	-3.24e-06	8.84e-06	-0.13	-7.20e-05	-1.46e-06	0.0
471	6	-0.04	-1.48e-03	-4.98e-03	1.31e-05	4.40e-05	0.0
471	8	4.73e-03	-0.04	0.09	6.07e-04	-3.80e-05	0.0
472	1	-1.36e-05	-6.99e-06	-0.13	6.40e-05	4.07e-06	0.0
472	7	-0.04	5.69e-03	-0.01	4.64e-05	-3.58e-05	0.0
472	8	-4.19e-03	-0.05	-0.08	5.95e-04	2.76e-05	0.0
473	1	-1.15e-05	-6.51e-06	-0.13	6.28e-05	5.75e-06	0.0
473	7	-0.04	4.97e-03	-0.01	5.04e-05	-1.73e-05	0.0
473	8	-4.11e-03	-0.05	-0.07	5.88e-04	2.28e-05	0.0
474	1	-9.99e-06	-5.61e-06	-0.13	6.09e-05	5.92e-06	0.0
474	7	-0.04	4.37e-03	-0.01	5.02e-05	1.62e-05	0.0
474	8	-4.04e-03	-0.05	-0.07	5.83e-04	2.28e-05	0.0
475	1	-8.69e-06	-4.85e-06	-0.13	5.93e-05	4.75e-06	0.0
475	7	-0.04	3.79e-03	-0.01	4.38e-05	3.48e-05	0.0
475	8	-3.98e-03	-0.05	-0.07	5.77e-04	2.54e-05	0.0
476	1	-7.52e-06	-4.58e-06	-0.13	5.84e-05	2.74e-06	0.0
476	7	-0.04	3.21e-03	-0.01	3.40e-05	4.81e-05	0.0
476	8	-3.93e-03	-0.04	-0.07	5.71e-04	2.84e-05	0.0
477	1	-6.33e-06	-4.90e-06	-0.13	5.85e-05	0.0	0.0
477	7	-0.04	2.64e-03	-8.69e-03	2.43e-05	5.27e-05	0.0
477	8	-3.87e-03	-0.04	-0.07	5.65e-04	3.09e-05	0.0
478	1	-4.99e-06	-5.70e-06	-0.13	5.94e-05	0.0	0.0
478	7	-0.04	2.07e-03	-6.61e-03	-1.74e-05	4.99e-05	0.0
478	8	-3.81e-03	-0.04	-0.07	5.58e-04	3.23e-05	0.0
479	1	-3.39e-06	-6.64e-06	-0.13	6.05e-05	0.0	0.0
479	7	-0.04	1.50e-03	-4.74e-03	-1.30e-05	4.39e-05	0.0
479	8	-3.75e-03	-0.04	-0.07	5.51e-04	3.00e-05	0.0
480	1	-6.19e-06	6.82e-06	-0.13	-7.57e-05	-1.09e-06	0.0
480	6	-0.04	-2.60e-03	-0.01	-2.64e-05	7.90e-05	0.0
480	8	5.96e-03	-0.04	0.12	6.50e-04	-3.46e-05	0.0
481	6	-0.04	-2.60e-03	-0.01	-2.72e-05	9.89e-05	-1.39e-05
481	8	7.09e-03	-0.04	0.15	6.74e-04	3.19e-05	-2.52e-05
482	1	-4.61e-06	8.79e-06	-0.13	-7.77e-05	-4.13e-06	0.0
482	6	-0.04	-2.05e-03	-7.23e-03	1.77e-05	6.64e-05	0.0
482	8	5.86e-03	-0.04	0.12	6.64e-04	-3.16e-05	0.0
483	6	-0.04	-2.05e-03	-7.52e-03	1.82e-05	8.46e-05	-1.38e-05
483	8	6.97e-03	-0.04	0.15	6.99e-04	2.73e-05	-2.36e-05
484	1	-1.35e-05	-4.77e-06	-0.12	4.77e-05	3.75e-06	0.0
484	7	-0.04	5.68e-03	-0.01	4.26e-05	-2.62e-05	0.0
484	8	-3.01e-03	-0.05	-0.05	5.56e-04	2.04e-05	0.0
485	1	-1.15e-05	-4.52e-06	-0.12	4.70e-05	4.47e-06	0.0
485	7	-0.04	4.97e-03	-0.01	4.28e-05	-1.12e-05	0.0
485	8	-2.95e-03	-0.05	-0.05	5.48e-04	1.70e-05	0.0
486	1	-1.00e-05	-4.05e-06	-0.12	4.59e-05	4.44e-06	0.0
486	7	-0.04	4.38e-03	-0.01	4.12e-05	1.30e-05	0.0
486	8	-2.90e-03	-0.05	-0.05	5.43e-04	1.66e-05	0.0
487	1	-8.67e-06	-3.61e-06	-0.12	4.49e-05	3.66e-06	0.0
487	7	-0.04	3.79e-03	-0.01	3.67e-05	2.74e-05	0.0
487	8	-2.86e-03	-0.05	-0.05	5.37e-04	1.82e-05	0.0
488	1	-7.45e-06	-3.45e-06	-0.12	4.43e-05	2.40e-06	0.0
488	7	-0.04	3.21e-03	-9.71e-03	3.00e-05	3.86e-05	0.0
488	8	-2.82e-03	-0.04	-0.05	5.31e-04	2.07e-05	0.0
489	1	-6.22e-06	-3.64e-06	-0.12	4.43e-05	1.14e-06	0.0
489	7	-0.04	2.64e-03	-8.03e-03	2.29e-05	4.40e-05	0.0
489	8	-2.78e-03	-0.04	-0.05	5.24e-04	2.29e-05	0.0
490	1	-4.86e-06	-4.10e-06	-0.12	4.48e-05	0.0	0.0
490	7	-0.04	2.07e-03	-6.24e-03	-1.71e-05	4.45e-05	0.0
490	8	-2.73e-03	-0.04	-0.05	5.15e-04	2.34e-05	0.0
491	1	-3.31e-06	-4.63e-06	-0.12	4.54e-05	0.0	0.0
491	7	-0.04	1.49e-03	-4.49e-03	-1.28e-05	4.26e-05	0.0
491	8	-2.69e-03	-0.04	-0.05	5.07e-04	2.12e-05	0.0
492	1	-1.40e-05	1.22e-05	-0.13	-8.71e-05	4.88e-06	0.0
492	6	-0.04	-5.59e-03	-0.02	-5.61e-05	-6.71e-05	0.0
492	8	6.50e-03	-0.05	0.13	7.08e-04	-3.98e-05	0.0
493	1	-1.33e-05	1.21e-05	-0.13	-8.42e-05	1.12e-05	0.0
493	6	-0.04	-4.87e-03	-0.02	-7.36e-05	-4.16e-05	0.0
493	8	6.39e-03	-0.05	0.12	7.04e-04	-4.40e-05	0.0
494	1	-1.07e-05	8.55e-06	-0.13	-8.02e-05	1.17e-05	0.0
494	6	-0.04	-4.29e-03	-0.02	-7.26e-05	2.91e-05	0.0
494	8	6.26e-03	-0.05	0.12	6.78e-04	-4.80e-05	0.0
495	1	-1.34e-05	-2.79e-06	-0.12	2.96e-05	3.52e-06	0.0
495	7	-0.04	5.68e-03	-0.01	-3.97e-05	-2.08e-05	0.0

495	8	-1.82e-03	-0.05	-0.03	5.29e-04	1.26e-05	0.0
496	1	-1.15e-05	-2.68e-06	-0.12	2.92e-05	3.74e-06	0.0
496	7	-0.04	4.97e-03	-0.01	3.77e-05	-7.30e-06	0.0
496	8	-1.78e-03	-0.05	-0.03	5.21e-04	1.06e-05	0.0
497	1	-1.00e-05	-2.45e-06	-0.12	2.86e-05	3.59e-06	0.0
497	7	-0.04	4.38e-03	-0.01	3.52e-05	1.06e-05	0.0
497	8	-1.76e-03	-0.05	-0.03	5.15e-04	1.04e-05	0.0
498	1	-8.68e-06	-2.23e-06	-0.12	2.81e-05	3.02e-06	0.0
498	7	-0.04	3.79e-03	-0.01	3.14e-05	2.27e-05	0.0
498	8	-1.73e-03	-0.05	-0.03	5.09e-04	1.12e-05	0.0
499	1	-7.41e-06	-2.15e-06	-0.12	2.78e-05	2.17e-06	0.0
499	7	-0.04	3.21e-03	-8.91e-03	2.65e-05	3.24e-05	0.0
499	8	-1.71e-03	-0.04	-0.03	5.02e-04	1.27e-05	0.0
500	1	-6.13e-06	-2.24e-06	-0.12	2.78e-05	1.34e-06	0.0
500	7	-0.04	2.64e-03	-7.48e-03	2.13e-05	3.83e-05	0.0
500	8	-1.68e-03	-0.04	-0.03	4.94e-04	1.39e-05	0.0
501	1	-4.75e-06	-2.47e-06	-0.12	2.80e-05	0.0	0.0
501	7	-0.04	2.06e-03	-5.89e-03	-1.65e-05	4.06e-05	0.0
501	8	-1.65e-03	-0.04	-0.03	4.85e-04	1.40e-05	0.0
502	1	-3.22e-06	-2.74e-06	-0.12	2.83e-05	0.0	0.0
502	7	-0.04	1.49e-03	-4.25e-03	-1.24e-05	4.08e-05	0.0
502	8	-1.63e-03	-0.04	-0.03	4.77e-04	1.26e-05	0.0
503	1	-1.33e-05	0.0	-0.12	1.05e-05	3.40e-06	0.0
503	7	-0.04	5.68e-03	-9.56e-03	-3.79e-05	-1.88e-05	0.0
503	8	-6.34e-04	-0.05	-0.01	5.15e-04	4.42e-06	0.0
504	1	-1.15e-05	0.0	-0.12	1.03e-05	3.41e-06	0.0
504	7	-0.04	4.97e-03	-0.01	-3.46e-05	-5.25e-06	0.0
504	8	-6.21e-04	-0.05	-0.01	5.06e-04	3.78e-06	0.0
505	1	-1.00e-05	0.0	-0.12	1.01e-05	3.20e-06	0.0
505	7	-0.04	4.38e-03	-9.96e-03	-3.16e-05	8.80e-06	0.0
505	8	-6.11e-04	-0.05	-0.01	5.00e-04	3.69e-06	0.0
506	1	-8.69e-06	0.0	-0.12	9.97e-06	2.73e-06	0.0
506	7	-0.04	3.80e-03	-9.38e-03	-2.80e-05	1.99e-05	0.0
506	8	-6.02e-04	-0.05	-0.01	4.93e-04	3.97e-06	0.0
507	1	-7.39e-06	0.0	-0.12	9.86e-06	2.06e-06	0.0
507	7	-0.04	3.22e-03	-8.39e-03	-2.41e-05	2.90e-05	0.0
507	8	-5.94e-04	-0.04	-0.01	4.86e-04	4.44e-06	0.0
508	1	-6.08e-06	0.0	-0.12	9.85e-06	1.42e-06	0.0
508	7	-0.04	2.64e-03	-7.09e-03	-1.99e-05	3.50e-05	0.0
508	8	-5.85e-04	-0.04	-0.01	4.78e-04	4.82e-06	0.0
509	1	-4.68e-06	0.0	-0.12	9.92e-06	1.01e-06	0.0
509	7	-0.04	2.06e-03	-5.62e-03	-1.59e-05	3.81e-05	0.0
509	8	-5.76e-04	-0.04	-9.97e-03	4.70e-04	4.83e-06	0.0
510	1	-3.17e-06	0.0	-0.12	1.00e-05	0.0	0.0
510	7	-0.04	1.49e-03	-4.07e-03	-1.20e-05	3.91e-05	0.0
510	8	-5.66e-04	-0.04	-9.80e-03	4.62e-04	4.37e-06	0.0
511	1	-1.33e-05	0.0	-0.12	-9.07e-06	3.40e-06	0.0
511	6	-0.04	-5.58e-03	-9.53e-03	3.73e-05	-1.88e-05	0.0
511	8	5.53e-04	-0.05	9.49e-03	5.14e-04	-3.80e-06	0.0
512	1	-1.15e-05	0.0	-0.12	-8.95e-06	3.40e-06	0.0
512	6	-0.04	-4.88e-03	-0.01	3.40e-05	-5.21e-06	0.0
512	8	5.42e-04	-0.05	9.33e-03	5.06e-04	-3.26e-06	0.0
513	1	-1.00e-05	0.0	-0.12	-8.79e-06	3.19e-06	0.0
513	6	-0.04	-4.30e-03	-9.94e-03	3.10e-05	8.68e-06	0.0
513	8	5.34e-04	-0.05	9.22e-03	4.99e-04	-3.17e-06	0.0
514	1	-8.68e-06	0.0	-0.12	-8.64e-06	2.72e-06	0.0
514	6	-0.04	-3.73e-03	-9.36e-03	2.75e-05	1.98e-05	0.0
514	8	5.26e-04	-0.05	9.10e-03	4.93e-04	-3.42e-06	0.0
515	1	-7.38e-06	0.0	-0.12	-8.55e-06	2.06e-06	0.0
515	6	-0.04	-3.16e-03	-8.37e-03	2.37e-05	2.88e-05	0.0
515	8	5.19e-04	-0.04	8.97e-03	4.86e-04	-3.82e-06	0.0
516	1	-6.07e-06	0.0	-0.12	-8.54e-06	1.42e-06	0.0
516	6	-0.04	-2.59e-03	-7.09e-03	1.96e-05	3.48e-05	0.0
516	8	5.11e-04	-0.04	8.82e-03	4.78e-04	-4.14e-06	0.0
517	1	-4.67e-06	0.0	-0.12	-8.60e-06	1.01e-06	0.0
517	6	-0.04	-2.03e-03	-5.62e-03	1.57e-05	3.79e-05	0.0
517	8	5.04e-04	-0.04	8.66e-03	4.69e-04	-4.14e-06	0.0
518	1	-3.16e-06	0.0	-0.12	-8.67e-06	0.0	0.0
518	6	-0.04	-1.46e-03	-4.07e-03	1.19e-05	3.90e-05	0.0
518	8	4.96e-04	-0.04	8.52e-03	4.62e-04	-3.74e-06	0.0
519	1	-1.91e-06	1.22e-05	-0.13	-8.04e-05	-3.64e-06	0.0
519	6	-0.04	-1.49e-03	-5.03e-03	1.43e-05	4.04e-05	0.0
519	8	5.75e-03	-0.04	0.12	6.86e-04	-3.16e-05	0.0
520	1	-1.33e-05	2.66e-06	-0.12	-2.83e-05	3.51e-06	0.0
520	6	-0.04	-5.58e-03	-0.01	3.90e-05	-2.06e-05	0.0
520	8	1.74e-03	-0.05	0.03	5.27e-04	-1.19e-05	0.0
521	1	-1.15e-05	2.57e-06	-0.12	-2.79e-05	3.71e-06	0.0

521	6	-0.04	-4.88e-03	-0.01	-3.70e-05	-7.07e-06	0.0
521	8	1.70e-03	-0.05	0.03	5.19e-04	-1.01e-05	0.0
522	1	-1.00e-05	2.36e-06	-0.12	-2.73e-05	3.55e-06	0.0
522	6	-0.04	-4.30e-03	-0.01	-3.46e-05	1.04e-05	0.0
522	8	1.68e-03	-0.05	0.03	5.13e-04	-9.87e-06	0.0
523	1	-8.66e-06	2.17e-06	-0.12	-2.68e-05	2.99e-06	0.0
523	6	-0.04	-3.73e-03	-1.00e-02	-3.09e-05	2.24e-05	0.0
523	8	1.65e-03	-0.05	0.03	5.07e-04	-1.07e-05	0.0
524	1	-7.39e-06	2.10e-06	-0.12	-2.65e-05	2.16e-06	0.0
524	6	-0.04	-3.16e-03	-8.89e-03	-2.61e-05	3.21e-05	0.0
524	8	1.63e-03	-0.04	0.03	5.00e-04	-1.21e-05	0.0
525	1	-6.10e-06	2.21e-06	-0.12	-2.65e-05	1.35e-06	0.0
525	6	-0.04	-2.59e-03	-7.47e-03	-2.10e-05	3.80e-05	0.0
525	8	1.61e-03	-0.04	0.03	4.92e-04	-1.32e-05	0.0
526	1	-4.72e-06	2.45e-06	-0.12	-2.67e-05	0.0	0.0
526	6	-0.04	-2.03e-03	-5.89e-03	1.64e-05	4.04e-05	0.0
526	8	1.58e-03	-0.04	0.03	4.84e-04	-1.33e-05	0.0
527	1	-3.20e-06	2.72e-06	-0.12	-2.70e-05	0.0	0.0
527	6	-0.04	-1.47e-03	-4.27e-03	1.23e-05	4.06e-05	0.0
527	8	1.56e-03	-0.04	0.03	4.76e-04	-1.20e-05	0.0
528	6	-0.04	-1.50e-03	-4.87e-03	1.56e-05	4.75e-05	-1.43e-05
528	8	6.89e-03	-0.04	0.15	7.50e-04	2.41e-05	-2.38e-05
529	1	-1.34e-05	4.63e-06	-0.12	-4.65e-05	3.73e-06	0.0
529	6	-0.04	-5.58e-03	-0.01	-4.18e-05	-2.57e-05	0.0
529	8	2.93e-03	-0.05	0.05	5.53e-04	-1.98e-05	0.0
530	1	-1.15e-05	4.40e-06	-0.12	-4.57e-05	4.40e-06	0.0
530	6	-0.04	-4.88e-03	-0.01	-4.20e-05	-1.08e-05	0.0
530	8	2.87e-03	-0.05	0.05	5.46e-04	-1.65e-05	0.0
531	1	-9.97e-06	3.95e-06	-0.12	-4.47e-05	4.36e-06	0.0
531	6	-0.04	-4.30e-03	-0.01	-4.05e-05	1.26e-05	0.0
531	8	2.82e-03	-0.05	0.05	5.40e-04	-1.62e-05	0.0
532	1	-8.64e-06	3.55e-06	-0.12	-4.37e-05	3.60e-06	0.0
532	6	-0.04	-3.73e-03	-0.01	-3.61e-05	2.69e-05	0.0
532	8	2.78e-03	-0.05	0.05	5.35e-04	-1.77e-05	0.0
533	1	-7.42e-06	3.42e-06	-0.12	-4.32e-05	2.37e-06	0.0
533	6	-0.04	-3.16e-03	-9.67e-03	-2.96e-05	3.79e-05	0.0
533	8	2.74e-03	-0.04	0.05	5.28e-04	-2.01e-05	0.0
534	1	-6.18e-06	3.61e-06	-0.12	-4.32e-05	1.16e-06	0.0
534	6	-0.04	-2.59e-03	-8.02e-03	-2.27e-05	4.34e-05	0.0
534	8	2.70e-03	-0.04	0.05	5.21e-04	-2.22e-05	0.0
535	1	-4.81e-06	4.07e-06	-0.12	-4.36e-05	0.0	0.0
535	6	-0.04	-2.03e-03	-6.25e-03	1.70e-05	4.41e-05	0.0
535	8	2.66e-03	-0.04	0.05	5.12e-04	-2.27e-05	0.0
536	1	-3.26e-06	4.60e-06	-0.12	-4.42e-05	0.0	0.0
536	6	-0.04	-1.47e-03	-4.52e-03	1.27e-05	4.24e-05	0.0
536	8	2.62e-03	-0.04	0.05	5.04e-04	-2.05e-05	0.0
537	1	-2.42e-05	3.70e-06	-0.13	-4.80e-05	1.51e-05	0.0
537	6	-0.04	-0.01	0.02	6.85e-05	-1.75e-04	0.0
537	8	3.31e-03	-0.06	0.06	6.81e-04	-4.75e-05	0.0
538	6	-0.04	-4.86e-03	-0.02	-8.26e-05	-3.45e-05	-1.48e-05
538	8	7.64e-03	-0.05	0.16	7.53e-04	-7.98e-05	-3.04e-05
539	6	-0.04	-4.29e-03	-0.02	-7.85e-05	4.87e-05	-1.41e-05
539	8	7.50e-03	-0.05	0.15	7.07e-04	-8.22e-05	-2.92e-05
540	1	-2.11e-05	4.40e-06	-0.13	-6.29e-05	1.20e-05	0.0
540	6	-0.04	-9.16e-03	8.31e-03	6.46e-05	-1.05e-04	0.0
540	8	4.49e-03	-0.06	0.08	6.68e-04	-4.96e-05	0.0
541	1	-2.23e-05	5.20e-06	-0.13	-6.45e-05	1.31e-05	0.0
541	6	-0.04	-9.78e-03	0.01	6.68e-05	-1.35e-04	0.0
541	8	4.54e-03	-0.06	0.09	6.84e-04	-5.28e-05	0.0
542	1	-2.32e-05	7.06e-06	-0.13	-7.83e-05	1.49e-05	0.0
542	6	-0.04	-9.78e-03	0.01	7.46e-05	-1.47e-04	0.0
542	8	5.87e-03	-0.06	0.11	7.41e-04	-6.91e-05	0.0
543	1	-2.18e-05	5.60e-06	-0.13	-7.57e-05	1.41e-05	0.0
543	6	-0.04	-9.16e-03	0.01	7.21e-05	-1.07e-04	0.0
543	8	5.80e-03	-0.06	0.11	7.21e-04	-6.92e-05	0.0
544	1	-2.01e-05	3.86e-06	-0.13	-6.14e-05	9.71e-06	0.0
544	6	-0.04	-8.55e-03	7.82e-03	6.05e-05	-7.77e-05	0.0
544	8	4.43e-03	-0.05	0.08	6.52e-04	-4.87e-05	0.0
545	1	-2.06e-05	4.69e-06	-0.13	-7.34e-05	1.12e-05	0.0
545	6	-0.04	-8.55e-03	0.01	6.61e-05	-7.34e-05	0.0
545	8	5.72e-03	-0.05	0.11	6.98e-04	-6.80e-05	0.0
546	1	-1.91e-05	3.86e-06	-0.13	-6.07e-05	6.88e-06	0.0
546	6	-0.04	-7.95e-03	-8.33e-03	5.52e-05	-5.86e-05	0.0
546	8	4.38e-03	-0.05	0.08	6.37e-04	-4.75e-05	0.0
547	1	-1.95e-05	4.64e-06	-0.13	-7.24e-05	7.17e-06	0.0
547	6	-0.04	-7.95e-03	-0.01	5.89e-05	-5.29e-05	0.0
547	8	5.65e-03	-0.05	0.11	6.79e-04	-6.35e-05	0.0

548	7	-0.04	9.96e-03	0.02	-8.74e-05	-1.68e-04	0.0
548	8	-7.34e-03	-0.06	-0.15	8.18e-04	1.02e-04	0.0
549	7	-0.04	9.33e-03	0.01	-8.31e-05	-1.05e-04	0.0
549	8	-7.22e-03	-0.06	-0.14	7.75e-04	1.03e-04	0.0
550	7	-0.04	8.71e-03	0.01	-7.28e-05	-6.60e-05	0.0
550	8	-7.11e-03	-0.05	-0.14	7.40e-04	9.65e-05	0.0
551	7	-0.04	8.10e-03	-0.01	-6.35e-05	-4.56e-05	0.0
551	8	-7.00e-03	-0.05	-0.14	7.17e-04	8.18e-05	0.0
552	7	-0.04	7.51e-03	-0.01	-5.70e-05	-3.92e-05	0.0
552	8	-6.90e-03	-0.05	-0.13	7.07e-04	6.54e-05	0.0
553	1	-1.69e-05	-8.91e-06	-0.13	8.33e-05	-1.61e-06	0.0
553	7	-0.04	6.91e-03	-0.01	-5.34e-05	-4.90e-05	0.0
553	8	-6.79e-03	-0.05	-0.13	7.09e-04	5.18e-05	0.0
554	1	-1.41e-05	-1.29e-05	-0.13	8.65e-05	0.0	0.0
554	7	-0.04	6.32e-03	-0.01	-5.09e-05	-7.83e-05	0.0
554	8	-6.66e-03	-0.05	-0.13	7.22e-04	3.84e-05	0.0
555	6	-0.04	-7.96e-03	-0.01	6.22e-05	-4.62e-05	0.0
555	8	6.92e-03	-0.05	0.13	7.15e-04	-8.06e-05	0.0
556	6	-0.04	-8.55e-03	0.01	7.13e-05	-6.68e-05	0.0
556	8	7.02e-03	-0.05	0.14	7.38e-04	-9.44e-05	0.0
557	1	-1.81e-05	4.44e-06	-0.13	-6.09e-05	4.29e-06	0.0
557	6	-0.04	-7.36e-03	-9.16e-03	5.03e-05	-4.88e-05	0.0
557	8	4.32e-03	-0.05	0.08	6.23e-04	-4.47e-05	0.0
558	1	-1.84e-05	5.49e-06	-0.13	-7.28e-05	3.42e-06	0.0
558	6	-0.04	-7.36e-03	-0.01	5.31e-05	-4.53e-05	0.0
558	8	5.57e-03	-0.05	0.10	6.66e-04	-5.71e-05	0.0
559	1	-1.68e-05	5.43e-06	-0.13	-6.18e-05	2.80e-06	0.0
559	6	-0.04	-6.77e-03	-0.01	4.63e-05	-4.54e-05	0.0
559	8	4.26e-03	-0.05	0.08	6.10e-04	-4.03e-05	0.0
560	1	-1.71e-05	7.05e-06	-0.13	-7.44e-05	1.31e-06	0.0
560	6	-0.04	-6.78e-03	-0.01	4.90e-05	-4.89e-05	0.0
560	8	5.48e-03	-0.05	0.10	6.57e-04	-5.02e-05	0.0
561	1	-2.33e-05	-7.28e-06	-0.13	7.91e-05	1.50e-05	0.0
561	7	-0.04	9.96e-03	0.01	-7.67e-05	-1.47e-04	0.0
561	8	-5.97e-03	-0.06	-0.12	7.45e-04	7.07e-05	0.0
562	1	-2.19e-05	-5.75e-06	-0.13	7.65e-05	1.43e-05	0.0
562	7	-0.04	9.33e-03	0.01	-7.40e-05	-1.07e-04	0.0
562	8	-5.89e-03	-0.06	-0.11	7.25e-04	7.11e-05	0.0
563	1	-2.07e-05	-4.80e-06	-0.13	7.41e-05	1.13e-05	0.0
563	7	-0.04	8.71e-03	0.01	-6.76e-05	-7.27e-05	0.0
563	8	-5.81e-03	-0.05	-0.11	7.01e-04	6.97e-05	0.0
564	1	-1.96e-05	-4.73e-06	-0.13	7.31e-05	7.20e-06	0.0
564	7	-0.04	8.10e-03	-0.01	-6.02e-05	-5.23e-05	0.0
564	8	-5.73e-03	-0.05	-0.11	6.82e-04	6.48e-05	0.0
565	1	-1.84e-05	-5.58e-06	-0.13	7.35e-05	3.35e-06	0.0
565	7	-0.04	7.50e-03	-0.01	-5.43e-05	-4.48e-05	0.0
565	8	-5.65e-03	-0.05	-0.11	6.69e-04	5.79e-05	0.0
566	1	-1.71e-05	-7.19e-06	-0.13	7.52e-05	1.17e-06	0.0
566	7	-0.04	6.90e-03	-0.01	-5.01e-05	-4.89e-05	0.0
566	8	-5.57e-03	-0.05	-0.10	6.61e-04	5.06e-05	0.0
567	1	-1.54e-05	-9.01e-06	-0.13	7.71e-05	1.65e-06	0.0
567	7	-0.04	6.30e-03	-0.01	-4.71e-05	-5.56e-05	0.0
567	8	-5.48e-03	-0.05	-0.10	6.53e-04	4.39e-05	0.0
568	1	-1.53e-05	6.41e-06	-0.13	-6.27e-05	2.82e-06	0.0
568	6	-0.04	-6.18e-03	-0.01	4.43e-05	-4.32e-05	0.0
568	8	4.19e-03	-0.05	0.08	5.99e-04	-3.37e-05	0.0
569	1	-1.54e-05	8.82e-06	-0.13	-7.63e-05	1.76e-06	0.0
569	6	-0.04	-6.19e-03	-0.01	4.61e-05	-5.47e-05	0.0
569	8	5.40e-03	-0.05	0.10	6.48e-04	-4.36e-05	0.0
570	1	-2.23e-05	-5.40e-06	-0.13	6.56e-05	1.32e-05	0.0
570	7	-0.04	9.96e-03	0.01	-6.85e-05	-1.35e-04	0.0
570	8	-4.63e-03	-0.06	-0.09	6.88e-04	5.40e-05	0.0
571	1	-2.12e-05	-4.56e-06	-0.13	6.40e-05	1.21e-05	0.0
571	7	-0.04	9.33e-03	8.61e-03	-6.62e-05	-1.05e-04	0.0
571	8	-4.58e-03	-0.06	-0.09	6.72e-04	5.09e-05	0.0
572	1	-2.02e-05	-3.98e-06	-0.13	6.24e-05	9.80e-06	0.0
572	7	-0.04	8.71e-03	8.12e-03	-6.19e-05	-7.72e-05	0.0
572	8	-4.52e-03	-0.05	-0.08	6.56e-04	5.00e-05	0.0
573	1	-1.92e-05	-3.97e-06	-0.13	6.17e-05	6.90e-06	0.0
573	7	-0.04	8.10e-03	-8.58e-03	-5.64e-05	-5.81e-05	0.0
573	8	-4.46e-03	-0.05	-0.08	6.40e-04	4.86e-05	0.0
574	1	-1.82e-05	-4.55e-06	-0.13	6.19e-05	4.25e-06	0.0
574	7	-0.04	7.50e-03	-9.34e-03	-5.14e-05	-4.85e-05	0.0
574	8	-4.40e-03	-0.05	-0.08	6.26e-04	4.57e-05	0.0
575	1	-1.69e-05	-5.56e-06	-0.13	6.28e-05	2.72e-06	0.0
575	7	-0.04	6.89e-03	-0.01	-4.73e-05	-4.55e-05	0.0
575	8	-4.34e-03	-0.05	-0.08	6.13e-04	4.11e-05	0.0

576	1	-1.54e-05	-6.57e-06	-0.13	6.38e-05	2.77e-06	0.0
576	7	-0.04	6.29e-03	-0.01	-4.51e-05	-4.38e-05	0.0
576	8	-4.27e-03	-0.05	-0.08	6.02e-04	3.44e-05	0.0
577	1	-1.84e-05	6.35e-06	-0.13	-8.04e-05	1.92e-06	0.0
577	6	-0.04	-7.37e-03	-0.01	5.58e-05	-3.97e-05	0.0
577	8	6.81e-03	-0.05	0.13	7.05e-04	-6.50e-05	0.0
578	1	-1.69e-05	8.80e-06	-0.13	-8.29e-05	-1.40e-06	0.0
578	6	-0.04	-6.79e-03	-0.01	5.22e-05	-4.96e-05	0.0
578	8	6.71e-03	-0.05	0.13	7.06e-04	-5.21e-05	0.0
579	1	-2.18e-05	-3.75e-06	-0.13	4.91e-05	1.22e-05	0.0
579	7	-0.04	9.96e-03	9.33e-03	-6.33e-05	-1.27e-04	0.0
579	8	-3.32e-03	-0.06	-0.06	6.44e-04	3.81e-05	0.0
580	1	-2.08e-05	-3.31e-06	-0.13	4.81e-05	1.07e-05	0.0
580	7	-0.04	9.33e-03	6.44e-03	-6.08e-05	-1.02e-04	0.0
580	8	-3.28e-03	-0.06	-0.06	6.29e-04	3.55e-05	0.0
581	1	-1.98e-05	-3.00e-06	-0.13	4.72e-05	8.82e-06	0.0
581	7	-0.04	8.71e-03	5.80e-03	-5.74e-05	-7.91e-05	0.0
581	8	-3.24e-03	-0.05	-0.06	6.15e-04	3.44e-05	0.0
582	1	-1.88e-05	-3.00e-06	-0.12	4.67e-05	6.65e-06	0.0
582	7	-0.04	8.10e-03	-6.63e-03	-5.32e-05	-6.15e-05	0.0
582	8	-3.20e-03	-0.05	-0.06	6.01e-04	3.37e-05	0.0
583	1	-1.78e-05	-3.37e-06	-0.12	4.68e-05	4.71e-06	0.0
583	7	-0.04	7.49e-03	-7.87e-03	-4.89e-05	-4.99e-05	0.0
583	8	-3.16e-03	-0.05	-0.06	5.87e-04	3.22e-05	0.0
584	1	-1.66e-05	-3.96e-06	-0.12	4.72e-05	3.51e-06	0.0
584	7	-0.04	6.89e-03	-9.15e-03	-4.54e-05	-4.24e-05	0.0
584	8	-3.11e-03	-0.05	-0.06	5.75e-04	2.91e-05	0.0
585	1	-1.51e-05	-4.52e-06	-0.12	4.77e-05	3.27e-06	0.0
585	7	-0.04	6.28e-03	-0.01	-4.32e-05	-3.56e-05	0.0
585	8	-3.06e-03	-0.05	-0.05	5.64e-04	2.48e-05	0.0
586	6	-0.04	-9.78e-03	0.02	8.51e-05	-1.67e-04	0.0
586	8	7.24e-03	-0.06	0.15	8.13e-04	-9.95e-05	0.0
587	6	-0.04	-9.15e-03	0.01	8.12e-05	-1.06e-04	0.0
587	8	7.13e-03	-0.06	0.14	7.72e-04	-9.99e-05	0.0
588	1	-2.15e-05	-2.24e-06	-0.12	3.05e-05	1.16e-05	0.0
588	7	-0.04	9.96e-03	8.26e-03	-6.01e-05	-1.22e-04	0.0
588	8	-2.01e-03	-0.06	-0.04	6.14e-04	2.29e-05	0.0
589	1	-2.05e-05	-2.03e-06	-0.12	3.01e-05	1.00e-05	0.0
589	7	-0.04	9.34e-03	4.76e-03	-5.76e-05	-9.99e-05	0.0
589	8	-1.98e-03	-0.06	-0.04	5.99e-04	2.12e-05	0.0
590	1	-1.96e-05	-1.88e-06	-0.12	2.96e-05	8.25e-06	0.0
590	7	-0.04	8.71e-03	-3.71e-03	-5.45e-05	-7.98e-05	0.0
590	8	-1.96e-03	-0.05	-0.04	5.86e-04	2.04e-05	0.0
591	1	-1.86e-05	-1.89e-06	-0.12	2.93e-05	6.46e-06	0.0
591	7	-0.04	8.10e-03	-4.94e-03	-5.10e-05	-6.31e-05	0.0
591	8	-1.93e-03	-0.05	-0.03	5.72e-04	1.99e-05	0.0
592	1	-1.75e-05	-2.08e-06	-0.12	2.93e-05	4.91e-06	0.0
592	7	-0.04	7.49e-03	-6.61e-03	-4.73e-05	-5.04e-05	0.0
592	8	-1.91e-03	-0.05	-0.03	5.60e-04	1.90e-05	0.0
593	1	-1.63e-05	-2.38e-06	-0.12	2.95e-05	3.88e-06	0.0
593	7	-0.04	6.88e-03	-8.13e-03	-4.41e-05	-4.04e-05	0.0
593	8	-1.88e-03	-0.05	-0.03	5.48e-04	1.73e-05	0.0
594	1	-1.49e-05	-2.67e-06	-0.12	2.97e-05	3.46e-06	0.0
594	7	-0.04	6.28e-03	-9.39e-03	-4.16e-05	-3.12e-05	0.0
594	8	-1.85e-03	-0.05	-0.03	5.37e-04	1.50e-05	0.0
595	1	-2.14e-05	0.0	-0.12	1.08e-05	1.13e-05	0.0
595	7	-0.04	9.97e-03	8.01e-03	-5.94e-05	-1.20e-04	0.0
595	8	-6.98e-04	-0.06	-0.01	5.98e-04	7.95e-06	0.0
596	1	-2.04e-05	0.0	-0.12	1.06e-05	9.67e-06	0.0
596	7	-0.04	9.34e-03	3.97e-03	-5.66e-05	-9.93e-05	0.0
596	8	-6.90e-04	-0.06	-0.01	5.83e-04	7.38e-06	0.0
597	1	-1.94e-05	0.0	-0.12	1.05e-05	7.99e-06	0.0
597	7	-0.04	8.71e-03	-2.04e-03	-5.35e-05	-8.04e-05	0.0
597	8	-6.82e-04	-0.05	-0.01	5.70e-04	7.07e-06	0.0
598	1	-1.85e-05	0.0	-0.12	1.04e-05	6.36e-06	0.0
598	7	-0.04	8.10e-03	-3.63e-03	-5.02e-05	-6.42e-05	0.0
598	8	-6.73e-04	-0.05	-0.01	5.57e-04	6.87e-06	0.0
599	1	-1.74e-05	0.0	-0.12	1.04e-05	4.98e-06	0.0
599	7	-0.04	7.49e-03	-5.64e-03	-4.68e-05	-5.09e-05	0.0
599	8	-6.65e-04	-0.05	-0.01	5.45e-04	6.56e-06	0.0
600	1	-1.62e-05	0.0	-0.12	1.04e-05	4.01e-06	0.0
600	7	-0.04	6.88e-03	-7.33e-03	-4.36e-05	-3.98e-05	0.0
600	8	-6.55e-04	-0.05	-0.01	5.34e-04	6.00e-06	0.0
601	1	-1.48e-05	0.0	-0.12	1.05e-05	3.53e-06	0.0
601	7	-0.04	6.28e-03	-8.64e-03	-4.06e-05	-2.95e-05	0.0
601	8	-6.45e-04	-0.05	-0.01	5.23e-04	5.22e-06	0.0
602	1	-2.13e-05	0.0	-0.12	-9.35e-06	1.13e-05	0.0

602	6	-0.04	-9.78e-03	8.04e-03	5.84e-05	-1.20e-04	0.0
602	8	6.08e-04	-0.06	0.01	5.97e-04	-6.87e-06	0.0
603	1	-2.04e-05	0.0	-0.12	-9.22e-06	9.66e-06	0.0
603	6	-0.04	-9.17e-03	3.96e-03	5.56e-05	-9.94e-05	0.0
603	8	6.01e-04	-0.06	0.01	5.83e-04	-6.37e-06	0.0
604	1	-1.94e-05	0.0	-0.12	-9.09e-06	7.98e-06	0.0
604	6	-0.04	-8.55e-03	-1.96e-03	5.26e-05	-8.05e-05	0.0
604	8	5.94e-04	-0.05	0.01	5.70e-04	-6.10e-06	0.0
605	1	-1.85e-05	0.0	-0.12	-9.01e-06	6.36e-06	0.0
605	6	-0.04	-7.95e-03	-3.55e-03	4.94e-05	-6.43e-05	0.0
605	8	5.87e-04	-0.05	0.01	5.57e-04	-5.92e-06	0.0
606	1	-1.74e-05	0.0	-0.12	-9.00e-06	4.98e-06	0.0
606	6	-0.04	-7.35e-03	-5.59e-03	4.60e-05	-5.10e-05	0.0
606	8	5.80e-04	-0.05	0.01	5.44e-04	-5.64e-06	0.0
607	1	-1.62e-05	0.0	-0.12	-9.05e-06	4.01e-06	0.0
607	6	-0.04	-6.76e-03	-7.29e-03	4.29e-05	-3.99e-05	0.0
607	8	5.71e-04	-0.05	9.84e-03	5.33e-04	-5.16e-06	0.0
608	1	-1.48e-05	0.0	-0.12	-9.09e-06	3.53e-06	0.0
608	6	-0.04	-6.16e-03	-8.61e-03	4.00e-05	-2.96e-05	0.0
608	8	5.62e-04	-0.05	9.65e-03	5.23e-04	-4.49e-06	0.0
609	1	-1.41e-05	1.26e-05	-0.13	-8.59e-05	0.0	0.0
609	6	-0.04	-6.20e-03	-0.01	4.98e-05	-7.73e-05	0.0
609	8	6.58e-03	-0.05	0.13	7.17e-04	-3.92e-05	0.0
610	1	-2.15e-05	2.06e-06	-0.12	-2.91e-05	1.16e-05	0.0
610	6	-0.04	-9.78e-03	8.21e-03	5.89e-05	-1.22e-04	0.0
610	8	1.92e-03	-0.06	0.04	6.12e-04	-2.18e-05	0.0
611	1	-2.05e-05	1.86e-06	-0.12	-2.87e-05	9.97e-06	0.0
611	6	-0.04	-9.16e-03	4.63e-03	5.65e-05	-1.00e-04	0.0
611	8	1.89e-03	-0.06	0.03	5.98e-04	-2.02e-05	0.0
612	1	-1.95e-05	1.73e-06	-0.12	-2.82e-05	8.22e-06	0.0
612	6	-0.04	-8.55e-03	-3.52e-03	5.34e-05	-8.00e-05	0.0
612	8	1.87e-03	-0.05	0.03	5.84e-04	-1.94e-05	0.0
613	1	-1.86e-05	1.76e-06	-0.12	-2.80e-05	6.45e-06	0.0
613	6	-0.04	-7.95e-03	-4.80e-03	5.00e-05	-6.34e-05	0.0
613	8	1.85e-03	-0.05	0.03	5.71e-04	-1.89e-05	0.0
614	1	-1.75e-05	1.95e-06	-0.12	-2.80e-05	4.92e-06	0.0
614	6	-0.04	-7.35e-03	-6.52e-03	4.65e-05	-5.05e-05	0.0
614	8	1.82e-03	-0.05	0.03	5.58e-04	-1.81e-05	0.0
615	1	-1.63e-05	2.25e-06	-0.12	-2.82e-05	3.89e-06	0.0
615	6	-0.04	-6.76e-03	-8.07e-03	4.34e-05	-4.04e-05	0.0
615	8	1.80e-03	-0.05	0.03	5.46e-04	-1.65e-05	0.0
616	1	-1.49e-05	2.53e-06	-0.12	-2.83e-05	3.47e-06	0.0
616	6	-0.04	-6.17e-03	-9.33e-03	4.09e-05	-3.10e-05	0.0
616	8	1.77e-03	-0.05	0.03	5.36e-04	-1.42e-05	0.0
617	1	-2.18e-05	3.56e-06	-0.13	-4.78e-05	1.21e-05	0.0
617	6	-0.04	-9.78e-03	9.19e-03	6.18e-05	-1.27e-04	0.0
617	8	3.23e-03	-0.06	0.06	6.41e-04	-3.70e-05	0.0
618	1	-2.07e-05	3.15e-06	-0.13	-4.69e-05	1.07e-05	0.0
618	6	-0.04	-9.16e-03	6.22e-03	5.94e-05	-1.02e-04	0.0
618	8	3.19e-03	-0.06	0.06	6.27e-04	-3.44e-05	0.0
619	1	-1.97e-05	2.86e-06	-0.12	-4.60e-05	8.77e-06	0.0
619	6	-0.04	-8.55e-03	5.55e-03	5.61e-05	-7.94e-05	0.0
619	8	3.15e-03	-0.05	0.06	6.12e-04	-3.33e-05	0.0
620	1	-1.88e-05	2.88e-06	-0.12	-4.56e-05	6.63e-06	0.0
620	6	-0.04	-7.95e-03	-6.43e-03	5.20e-05	-6.18e-05	0.0
620	8	3.11e-03	-0.05	0.06	5.99e-04	-3.26e-05	0.0
621	1	-1.78e-05	3.24e-06	-0.12	-4.56e-05	4.73e-06	0.0
621	6	-0.04	-7.35e-03	-7.74e-03	4.80e-05	-5.01e-05	0.0
621	8	3.07e-03	-0.05	0.05	5.85e-04	-3.12e-05	0.0
622	1	-1.65e-05	3.82e-06	-0.12	-4.60e-05	3.55e-06	0.0
622	6	-0.04	-6.76e-03	-9.06e-03	4.46e-05	-4.24e-05	0.0
622	8	3.03e-03	-0.05	0.05	5.72e-04	-2.82e-05	0.0
623	1	-1.51e-05	4.37e-06	-0.12	-4.65e-05	3.29e-06	0.0
623	6	-0.04	-6.17e-03	-0.01	4.24e-05	-3.53e-05	0.0
623	8	2.98e-03	-0.05	0.05	5.62e-04	-2.41e-05	0.0
624	1	-2.70e-05	4.18e-06	-0.13	-6.68e-05	3.70e-05	0.0
624	6	-0.04	-0.01	0.07	1.08e-04	-2.89e-04	0.0
624	8	4.75e-03	-0.07	0.11	8.70e-04	-6.30e-05	0.0
625	1	-2.70e-05	6.07e-06	-0.14	-7.15e-05	3.96e-05	0.0
625	6	-0.04	-0.02	0.08	1.19e-04	-3.14e-04	0.0
625	8	4.74e-03	-0.07	0.11	8.97e-04	-5.09e-05	0.0
626	6	-0.04	-0.02	0.08	1.38e-04	-3.39e-04	0.0
626	8	6.18e-03	-0.07	0.15	1.01e-03	-8.17e-05	0.0
627	6	-0.04	-0.01	0.07	1.23e-04	-3.02e-04	0.0
627	8	6.19e-03	-0.07	0.14	9.61e-04	-1.02e-04	0.0
628	1	-2.71e-05	3.18e-06	-0.13	-6.38e-05	3.23e-05	0.0
628	6	-0.04	-0.01	0.06	9.99e-05	-2.61e-04	0.0

628	8	4.76e-03	-0.07	0.10	8.40e-04	-7.35e-05	0.0
629	6	-0.04	-0.01	0.06	1.12e-04	-2.66e-04	0.0
629	8	6.20e-03	-0.07	0.14	9.12e-04	-1.13e-04	0.0
630	1	-2.70e-05	3.06e-06	-0.13	-6.23e-05	2.66e-05	0.0
630	6	-0.04	-0.01	0.05	9.38e-05	-2.35e-04	0.0
630	8	4.76e-03	-0.06	0.10	8.08e-04	-7.93e-05	0.0
631	6	-0.04	-0.01	0.05	1.05e-04	-2.36e-04	0.0
631	8	6.18e-03	-0.06	0.13	8.69e-04	-1.15e-04	0.0
632	7	-0.04	0.02	0.09	-1.56e-04	-3.66e-04	0.0
632	8	-7.84e-03	-0.07	-0.19	1.15e-03	1.59e-04	0.0
633	7	-0.04	0.01	0.07	-1.36e-04	-3.13e-04	0.0
633	8	-7.83e-03	-0.07	-0.19	1.05e-03	1.74e-04	0.0
634	7	-0.04	0.01	0.06	-1.24e-04	-2.69e-04	0.0
634	8	-7.79e-03	-0.07	-0.18	9.79e-04	1.74e-04	0.0
635	7	-0.04	0.01	0.05	-1.14e-04	-2.36e-04	0.0
635	8	-7.74e-03	-0.06	-0.17	9.24e-04	1.60e-04	0.0
636	7	-0.04	0.01	0.04	-1.09e-04	-2.16e-04	0.0
636	8	-7.67e-03	-0.06	-0.17	8.88e-04	1.41e-04	0.0
637	7	-0.04	0.01	0.04	-1.05e-04	-2.12e-04	0.0
637	8	-7.60e-03	-0.06	-0.16	8.68e-04	1.23e-04	0.0
638	7	-0.04	0.01	0.03	-9.65e-05	-2.26e-04	0.0
638	8	-7.50e-03	-0.06	-0.16	8.64e-04	1.04e-04	0.0
639	6	-0.04	-0.01	0.05	1.13e-04	-2.37e-04	0.0
639	8	7.64e-03	-0.06	0.17	9.21e-04	-1.57e-04	0.0
640	6	-0.04	-0.01	0.06	1.21e-04	-2.69e-04	0.0
640	8	7.69e-03	-0.07	0.18	9.76e-04	-1.70e-04	0.0
641	1	-2.67e-05	3.66e-06	-0.13	-6.24e-05	2.11e-05	0.0
641	6	-0.04	-0.01	0.04	8.83e-05	-2.15e-04	0.0
641	8	4.74e-03	-0.06	0.10	7.78e-04	-8.01e-05	0.0
642	1	-2.79e-05	4.55e-06	-0.13	-7.43e-05	2.01e-05	0.0
642	6	-0.04	-0.01	0.04	9.92e-05	-2.16e-04	0.0
642	8	6.15e-03	-0.06	0.13	8.35e-04	-1.10e-04	0.0
643	1	-2.61e-05	4.66e-06	-0.13	-6.34e-05	1.68e-05	0.0
643	6	-0.04	-0.01	0.03	8.23e-05	-1.99e-04	0.0
643	8	4.71e-03	-0.06	0.09	7.50e-04	-7.67e-05	0.0
644	1	-2.72e-05	6.19e-06	-0.13	-7.62e-05	1.50e-05	0.0
644	6	-0.04	-0.01	0.03	9.31e-05	-2.07e-04	0.0
644	8	6.10e-03	-0.06	0.13	8.08e-04	-1.02e-04	0.0
645	7	-0.04	0.02	0.08	-1.40e-04	-3.40e-04	0.0
645	8	-6.28e-03	-0.07	-0.15	1.02e-03	8.52e-05	0.0
646	7	-0.04	0.01	0.07	-1.25e-04	-3.02e-04	0.0
646	8	-6.30e-03	-0.07	-0.15	9.68e-04	1.06e-04	0.0
647	7	-0.04	0.01	0.06	-1.15e-04	-2.66e-04	0.0
647	8	-6.30e-03	-0.07	-0.14	9.17e-04	1.17e-04	0.0
648	7	-0.04	0.01	0.05	-1.07e-04	-2.36e-04	0.0
648	8	-6.28e-03	-0.06	-0.14	8.73e-04	1.17e-04	0.0
649	1	-2.80e-05	-4.74e-06	-0.13	7.50e-05	2.00e-05	0.0
649	7	-0.04	0.01	0.04	-1.01e-04	-2.16e-04	0.0
649	8	-6.25e-03	-0.06	-0.13	8.39e-04	1.12e-04	0.0
650	1	-2.73e-05	-6.43e-06	-0.13	7.70e-05	1.48e-05	0.0
650	7	-0.04	0.01	0.03	-9.50e-05	-2.07e-04	0.0
650	8	-6.20e-03	-0.06	-0.13	8.12e-04	1.04e-04	0.0
651	1	-2.62e-05	-8.15e-06	-0.13	7.94e-05	1.27e-05	0.0
651	7	-0.04	0.01	0.03	-8.68e-05	-2.01e-04	0.0
651	8	-6.14e-03	-0.06	-0.12	7.87e-04	9.44e-05	0.0
652	1	-2.51e-05	5.56e-06	-0.13	-6.47e-05	1.43e-05	0.0
652	6	-0.04	-0.01	0.02	7.56e-05	-1.85e-04	0.0
652	8	4.67e-03	-0.06	0.09	7.25e-04	-6.91e-05	0.0
653	1	-2.60e-05	7.86e-06	-0.13	-7.85e-05	1.28e-05	0.0
653	6	-0.04	-0.01	0.03	8.49e-05	-1.99e-04	0.0
653	8	6.04e-03	-0.06	0.12	7.82e-04	-9.32e-05	0.0
654	1	-2.71e-05	-6.38e-06	-0.14	7.26e-05	4.00e-05	0.0
654	7	-0.04	0.02	0.08	-1.22e-04	-3.16e-04	0.0
654	8	-4.84e-03	-0.07	-0.11	9.04e-04	5.26e-05	0.0
655	1	-2.72e-05	-4.42e-06	-0.13	6.79e-05	3.72e-05	0.0
655	7	-0.04	0.01	0.07	-1.10e-04	-2.90e-04	0.0
655	8	-4.84e-03	-0.07	-0.11	8.76e-04	6.52e-05	0.0
656	1	-2.72e-05	-3.38e-06	-0.13	6.48e-05	3.24e-05	0.0
656	7	-0.04	0.01	0.06	-1.02e-04	-2.61e-04	0.0
656	8	-4.85e-03	-0.07	-0.11	8.45e-04	7.59e-05	0.0
657	1	-2.71e-05	-3.26e-06	-0.13	6.33e-05	2.66e-05	0.0
657	7	-0.04	0.01	0.05	-9.59e-05	-2.35e-04	0.0
657	8	-4.85e-03	-0.06	-0.10	8.12e-04	8.15e-05	0.0
658	1	-2.68e-05	-3.87e-06	-0.13	6.34e-05	2.10e-05	0.0
658	7	-0.04	0.01	0.04	-9.03e-05	-2.14e-04	0.0
658	8	-4.84e-03	-0.06	-0.10	7.82e-04	8.21e-05	0.0
659	1	-2.62e-05	-4.89e-06	-0.13	6.45e-05	1.67e-05	0.0

659	7	-0.04	0.01	0.03	-8.42e-05	-1.99e-04	0.0
659	8	-4.81e-03	-0.06	-0.10	7.54e-04	7.85e-05	0.0
660	1	-2.52e-05	-5.81e-06	-0.13	6.58e-05	1.43e-05	0.0
660	7	-0.04	0.01	0.02	-7.74e-05	-1.86e-04	0.0
660	8	-4.76e-03	-0.06	-0.09	7.29e-04	7.07e-05	0.0
661	6	-0.04	-0.01	0.04	1.07e-04	-2.16e-04	0.0
661	8	7.57e-03	-0.06	0.16	8.85e-04	-1.39e-04	0.0
662	6	-0.04	-0.01	0.04	1.03e-04	-2.12e-04	0.0
662	8	7.50e-03	-0.06	0.16	8.65e-04	-1.22e-04	0.0
663	1	-2.60e-05	-4.74e-06	-0.13	5.51e-05	3.55e-05	0.0
663	7	-0.04	0.02	0.08	-1.01e-04	-2.97e-04	0.0
663	8	-3.44e-03	-0.07	-0.08	8.21e-04	3.22e-05	0.0
664	1	-2.60e-05	-3.45e-06	-0.13	5.17e-05	3.39e-05	0.0
664	7	-0.04	0.01	0.07	-9.41e-05	-2.78e-04	0.0
664	8	-3.44e-03	-0.07	-0.08	8.02e-04	4.02e-05	0.0
665	1	-2.60e-05	-2.71e-06	-0.13	4.94e-05	3.04e-05	0.0
665	7	-0.04	0.01	0.05	-8.87e-05	-2.55e-04	0.0
665	8	-3.45e-03	-0.07	-0.07	7.80e-04	4.75e-05	0.0
666	1	-2.60e-05	-2.55e-06	-0.13	4.82e-05	2.60e-05	0.0
666	7	-0.04	0.01	0.05	-8.41e-05	-2.32e-04	0.0
666	8	-3.46e-03	-0.06	-0.07	7.56e-04	5.28e-05	0.0
667	1	-2.58e-05	-2.87e-06	-0.13	4.81e-05	2.15e-05	0.0
667	7	-0.04	0.01	0.04	-7.95e-05	-2.11e-04	0.0
667	8	-3.45e-03	-0.06	-0.07	7.30e-04	5.48e-05	0.0
668	1	-2.52e-05	-3.44e-06	-0.13	4.86e-05	1.77e-05	0.0
668	7	-0.04	0.01	0.03	-7.48e-05	-1.93e-04	0.0
668	8	-3.43e-03	-0.06	-0.07	7.06e-04	5.33e-05	0.0
669	1	-2.43e-05	-3.93e-06	-0.13	4.93e-05	1.51e-05	0.0
669	7	-0.04	0.01	0.02	-7.01e-05	-1.75e-04	0.0
669	8	-3.40e-03	-0.06	-0.07	6.83e-04	4.90e-05	0.0
670	6	-0.04	-0.02	0.09	1.53e-04	-3.65e-04	0.0
670	8	7.73e-03	-0.07	0.19	1.14e-03	-1.52e-04	0.0
671	6	-0.04	-0.01	0.07	1.34e-04	-3.12e-04	0.0
671	8	7.72e-03	-0.07	0.18	1.05e-03	-1.69e-04	0.0
672	1	-2.54e-05	-2.96e-06	-0.13	3.46e-05	3.25e-05	0.0
672	7	-0.04	0.02	0.07	-8.33e-05	-2.84e-04	0.0
672	8	-2.07e-03	-0.07	-0.05	7.65e-04	1.76e-05	0.0
673	1	-2.53e-05	-2.23e-06	-0.13	3.25e-05	3.16e-05	0.0
673	7	-0.04	0.01	0.06	-8.04e-05	-2.70e-04	0.0
673	8	-2.08e-03	-0.07	-0.04	7.51e-04	2.22e-05	0.0
674	1	-2.53e-05	-1.78e-06	-0.13	3.11e-05	2.90e-05	0.0
674	7	-0.04	0.01	0.05	-7.78e-05	-2.50e-04	0.0
674	8	-2.08e-03	-0.07	-0.04	7.34e-04	2.64e-05	0.0
675	1	-2.52e-05	-1.65e-06	-0.13	3.03e-05	2.54e-05	0.0
675	7	-0.04	0.01	0.04	-7.50e-05	-2.29e-04	0.0
675	8	-2.08e-03	-0.06	-0.04	7.14e-04	2.96e-05	0.0
676	1	-2.50e-05	-1.79e-06	-0.13	3.02e-05	2.16e-05	0.0
676	7	-0.04	0.01	0.04	-7.18e-05	-2.08e-04	0.0
676	8	-2.08e-03	-0.06	-0.04	6.93e-04	3.13e-05	0.0
677	1	-2.45e-05	-2.07e-06	-0.13	3.04e-05	1.82e-05	0.0
677	7	-0.04	0.01	0.03	-6.86e-05	-1.88e-04	0.0
677	8	-2.07e-03	-0.06	-0.04	6.71e-04	3.09e-05	0.0
678	1	-2.37e-05	-2.31e-06	-0.13	3.07e-05	1.55e-05	0.0
678	7	-0.04	0.01	0.02	-6.56e-05	-1.69e-04	0.0
678	8	-2.06e-03	-0.06	-0.04	6.51e-04	2.88e-05	0.0
679	1	-2.51e-05	-1.10e-06	-0.13	1.23e-05	3.10e-05	0.0
679	7	-0.04	0.02	0.07	-7.56e-05	-2.78e-04	0.0
679	8	-7.21e-04	-0.07	-0.02	7.37e-04	5.79e-06	0.0
680	1	-2.50e-05	0.0	-0.13	1.16e-05	3.05e-05	0.0
680	7	-0.04	0.01	0.06	-7.52e-05	-2.65e-04	0.0
680	8	-7.21e-04	-0.07	-0.02	7.24e-04	7.39e-06	0.0
681	1	-2.49e-05	0.0	-0.13	1.11e-05	2.83e-05	0.0
681	7	-0.04	0.01	0.05	-7.41e-05	-2.48e-04	0.0
681	8	-7.23e-04	-0.07	-0.02	7.09e-04	8.81e-06	0.0
682	1	-2.48e-05	0.0	-0.13	1.08e-05	2.51e-05	0.0
682	7	-0.04	0.01	0.04	-7.23e-05	-2.27e-04	0.0
682	8	-7.24e-04	-0.06	-0.01	6.92e-04	9.94e-06	0.0
683	1	-2.46e-05	0.0	-0.13	1.07e-05	2.16e-05	0.0
683	7	-0.04	0.01	0.04	-7.00e-05	-2.07e-04	0.0
683	8	-7.23e-04	-0.06	-0.01	6.72e-04	1.05e-05	0.0
684	1	-2.41e-05	0.0	-0.13	1.08e-05	1.84e-05	0.0
684	7	-0.04	0.01	0.03	-6.75e-05	-1.86e-04	0.0
684	8	-7.20e-04	-0.06	-0.01	6.53e-04	1.05e-05	0.0
685	1	-2.34e-05	0.0	-0.12	1.08e-05	1.56e-05	0.0
685	7	-0.04	0.01	0.02	-6.49e-05	-1.66e-04	0.0
685	8	-7.15e-04	-0.06	-0.01	6.34e-04	9.88e-06	0.0
686	1	-2.51e-05	0.0	-0.13	-1.06e-05	3.09e-05	0.0

686	6	-0.04	-0.02	0.07	7.43e-05	-2.78e-04	0.0
686	8	6.28e-04	-0.07	0.01	7.36e-04	-5.06e-06	0.0
687	1	-2.49e-05	0.0	-0.13	-1.00e-05	3.04e-05	0.0
687	6	-0.04	-0.01	0.06	7.40e-05	-2.66e-04	0.0
687	8	6.28e-04	-0.07	0.01	7.23e-04	-6.43e-06	0.0
688	1	-2.49e-05	0.0	-0.13	-9.58e-06	2.83e-05	0.0
688	6	-0.04	-0.01	0.05	7.29e-05	-2.48e-04	0.0
688	8	6.29e-04	-0.07	0.01	7.08e-04	-7.64e-06	0.0
689	1	-2.48e-05	0.0	-0.13	-9.34e-06	2.51e-05	0.0
689	6	-0.04	-0.01	0.04	7.12e-05	-2.28e-04	0.0
689	8	6.30e-04	-0.06	0.01	6.91e-04	-8.61e-06	0.0
690	1	-2.46e-05	0.0	-0.13	-9.28e-06	2.16e-05	0.0
690	6	-0.04	-0.01	0.04	6.89e-05	-2.07e-04	0.0
690	8	6.30e-04	-0.06	0.01	6.72e-04	-9.13e-06	0.0
691	1	-2.41e-05	0.0	-0.13	-9.32e-06	1.84e-05	0.0
691	6	-0.04	-0.01	0.03	6.64e-05	-1.87e-04	0.0
691	8	6.27e-04	-0.06	0.01	6.52e-04	-9.08e-06	0.0
692	1	-2.34e-05	0.0	-0.12	-9.39e-06	1.56e-05	0.0
692	6	-0.04	-0.01	0.02	6.38e-05	-1.66e-04	0.0
692	8	6.23e-04	-0.06	0.01	6.33e-04	-8.55e-06	0.0
693	6	-0.04	-0.01	0.03	9.46e-05	-2.25e-04	0.0
693	8	7.40e-03	-0.06	0.15	8.58e-04	-1.03e-04	0.0
694	1	-2.54e-05	2.63e-06	-0.13	-3.30e-05	3.24e-05	0.0
694	6	-0.04	-0.02	0.07	8.10e-05	-2.84e-04	0.0
694	8	1.98e-03	-0.07	0.04	7.62e-04	-1.67e-05	0.0
695	1	-2.52e-05	1.95e-06	-0.13	-3.10e-05	3.15e-05	0.0
695	6	-0.04	-0.01	0.06	7.83e-05	-2.70e-04	0.0
695	8	1.98e-03	-0.07	0.04	7.48e-04	-2.11e-05	0.0
696	1	-2.52e-05	1.54e-06	-0.13	-2.97e-05	2.90e-05	0.0
696	6	-0.04	-0.01	0.05	7.59e-05	-2.50e-04	0.0
696	8	1.99e-03	-0.07	0.04	7.31e-04	-2.50e-05	0.0
697	1	-2.52e-05	1.43e-06	-0.13	-2.90e-05	2.54e-05	0.0
697	6	-0.04	-0.01	0.04	7.32e-05	-2.29e-04	0.0
697	8	1.99e-03	-0.06	0.04	7.12e-04	-2.82e-05	0.0
698	1	-2.49e-05	1.58e-06	-0.13	-2.88e-05	2.16e-05	0.0
698	6	-0.04	-0.01	0.04	7.03e-05	-2.08e-04	0.0
698	8	1.99e-03	-0.06	0.04	6.90e-04	-2.97e-05	0.0
699	1	-2.44e-05	1.85e-06	-0.13	-2.90e-05	1.82e-05	0.0
699	6	-0.04	-0.01	0.03	6.71e-05	-1.88e-04	0.0
699	8	1.98e-03	-0.06	0.04	6.69e-04	-2.93e-05	0.0
700	1	-2.37e-05	2.09e-06	-0.13	-2.93e-05	1.55e-05	0.0
700	6	-0.04	-0.01	0.02	6.42e-05	-1.69e-04	0.0
700	8	1.96e-03	-0.06	0.04	6.49e-04	-2.74e-05	0.0
701	1	-2.59e-05	4.42e-06	-0.13	-5.37e-05	3.52e-05	0.0
701	6	-0.04	-0.02	0.08	9.89e-05	-2.96e-04	0.0
701	8	3.35e-03	-0.07	0.07	8.16e-04	-3.10e-05	0.0
702	1	-2.59e-05	3.19e-06	-0.13	-5.04e-05	3.37e-05	0.0
702	6	-0.04	-0.01	0.07	9.17e-05	-2.78e-04	0.0
702	8	3.35e-03	-0.07	0.07	7.97e-04	-3.87e-05	0.0
703	1	-2.59e-05	2.48e-06	-0.13	-4.81e-05	3.03e-05	0.0
703	6	-0.04	-0.01	0.05	8.66e-05	-2.55e-04	0.0
703	8	3.36e-03	-0.07	0.07	7.76e-04	-4.58e-05	0.0
704	1	-2.59e-05	2.34e-06	-0.13	-4.70e-05	2.59e-05	0.0
704	6	-0.04	-0.01	0.05	8.21e-05	-2.32e-04	0.0
704	8	3.36e-03	-0.06	0.07	7.52e-04	-5.10e-05	0.0
705	1	-2.57e-05	2.66e-06	-0.13	-4.68e-05	2.15e-05	0.0
705	6	-0.04	-0.01	0.04	7.76e-05	-2.11e-04	0.0
705	8	3.36e-03	-0.06	0.07	7.27e-04	-5.30e-05	0.0
706	7	-0.04	9.95e-03	0.02	-9.56e-05	-1.62e-04	1.62e-05
706	8	-8.70e-03	-0.06	-0.18	8.66e-04	1.52e-04	-3.58e-05
707	7	-0.04	0.01	0.02	-8.74e-05	-2.08e-04	0.0
707	8	-7.43e-03	-0.06	-0.15	8.44e-04	1.01e-04	0.0
708	7	-0.04	9.33e-03	0.02	8.83e-05	-9.54e-05	1.54e-05
708	8	-8.56e-03	-0.06	-0.18	8.03e-04	1.50e-04	-3.45e-05
709	7	-0.04	8.71e-03	0.02	-7.63e-05	-5.80e-05	1.53e-05
709	8	-8.42e-03	-0.05	-0.17	7.59e-04	1.28e-04	-3.29e-05
710	7	-0.04	8.11e-03	0.02	-6.55e-05	-3.94e-05	1.51e-05
710	8	-8.27e-03	-0.05	-0.17	7.34e-04	9.83e-05	-3.15e-05
711	7	-0.04	7.51e-03	-0.01	-5.83e-05	-3.33e-05	1.49e-05
711	8	-8.13e-03	-0.05	-0.16	7.26e-04	6.76e-05	-3.00e-05
712	7	-0.04	6.92e-03	-0.01	-5.51e-05	-3.94e-05	1.46e-05
712	8	-8.00e-03	-0.05	-0.16	7.37e-04	4.05e-05	-2.83e-05
713	7	-0.04	6.33e-03	-0.01	-5.42e-05	-8.11e-05	1.52e-05
713	8	-7.89e-03	-0.05	-0.16	7.77e-04	2.51e-05	-2.83e-05
714	6	-0.04	-8.55e-03	0.02	7.51e-05	-5.80e-05	-1.50e-05
714	8	8.42e-03	-0.05	0.17	7.59e-04	-1.28e-04	-3.29e-05
715	6	-0.04	-7.96e-03	0.02	6.44e-05	-3.93e-05	-1.48e-05

715	8	8.27e-03	-0.05	0.17	7.34e-04	-9.83e-05	-3.15e-05
716	1	-2.38e-05	5.80e-06	-0.13	-6.53e-05	1.35e-05	0.0
716	6	-0.04	-0.01	0.02	7.02e-05	-1.66e-04	0.0
716	8	4.61e-03	-0.06	0.09	7.05e-04	-6.07e-05	0.0
717	1	-2.48e-05	8.13e-06	-0.13	-7.97e-05	1.34e-05	0.0
717	6	-0.04	-0.01	0.02	7.66e-05	-1.87e-04	0.0
717	8	5.97e-03	-0.06	0.12	7.60e-04	-7.89e-05	0.0
718	1	-2.49e-05	-8.40e-06	-0.13	8.06e-05	1.34e-05	0.0
718	7	-0.04	0.01	0.02	-7.85e-05	-1.88e-04	0.0
718	8	-6.06e-03	-0.06	-0.12	7.65e-04	8.02e-05	0.0
719	1	-2.39e-05	-6.04e-06	-0.13	6.64e-05	1.35e-05	0.0
719	7	-0.04	0.01	0.02	-7.19e-05	-1.67e-04	0.0
719	8	-4.71e-03	-0.06	-0.09	7.09e-04	6.20e-05	0.0
720	6	-0.04	-7.37e-03	-0.01	5.73e-05	-3.31e-05	-1.46e-05
720	8	8.13e-03	-0.05	0.16	7.26e-04	-6.75e-05	-3.00e-05
721	6	-0.04	-6.79e-03	-0.01	5.41e-05	-3.96e-05	-1.43e-05
721	8	8.00e-03	-0.05	0.16	7.37e-04	-4.05e-05	-2.83e-05
722	1	-2.32e-05	-4.08e-06	-0.13	4.96e-05	1.35e-05	0.0
722	7	-0.04	0.01	0.02	-6.64e-05	-1.55e-04	0.0
722	8	-3.37e-03	-0.06	-0.06	6.64e-04	4.36e-05	0.0
723	6	-0.04	-0.01	0.02	8.48e-05	-2.04e-04	0.0
723	8	7.34e-03	-0.06	0.15	8.34e-04	-1.00e-04	0.0
724	1	-2.28e-05	-2.39e-06	-0.12	3.08e-05	1.35e-05	0.0
724	7	-0.04	0.01	0.01	-6.29e-05	-1.48e-04	0.0
724	8	-2.03e-03	-0.06	-0.04	6.33e-04	2.60e-05	0.0
725	1	-2.25e-05	0.0	-0.12	1.09e-05	1.35e-05	0.0
725	7	-0.04	0.01	0.01	-6.24e-05	-1.45e-04	0.0
725	8	-7.08e-04	-0.06	-0.01	6.16e-04	8.97e-06	0.0
726	1	-2.25e-05	0.0	-0.12	-9.42e-06	1.34e-05	0.0
726	6	-0.04	-0.01	0.01	6.14e-05	-1.45e-04	0.0
726	8	6.17e-04	-0.06	0.01	6.16e-04	-7.76e-06	0.0
727	1	-2.27e-05	2.18e-06	-0.12	-2.94e-05	1.35e-05	0.0
727	6	-0.04	-0.01	0.01	6.16e-05	-1.48e-04	0.0
727	8	1.94e-03	-0.06	0.04	6.31e-04	-2.47e-05	0.0
728	6	-0.04	-6.22e-03	-0.01	5.33e-05	-8.18e-05	-1.49e-05
728	8	7.89e-03	-0.05	0.16	7.78e-04	-2.50e-05	-2.83e-05
729	1	-2.31e-05	3.86e-06	-0.13	-4.83e-05	1.35e-05	0.0
729	6	-0.04	-0.01	0.02	6.49e-05	-1.55e-04	0.0
729	8	3.27e-03	-0.06	0.06	6.61e-04	-4.23e-05	0.0
730	6	-0.04	-9.77e-03	0.02	9.40e-05	-1.63e-04	-1.59e-05
730	8	8.70e-03	-0.06	0.18	8.66e-04	-1.52e-04	-3.58e-05
731	6	-0.04	-9.16e-03	0.02	-8.69e-05	-9.57e-05	-1.51e-05
731	8	8.56e-03	-0.06	0.18	8.03e-04	-1.50e-04	-3.45e-05
732	7	-0.05	0.02	0.09	-1.64e-04	-3.77e-04	1.94e-05
732	8	-9.56e-03	-0.07	-0.24	1.23e-03	2.70e-04	-4.66e-05
733	6	-0.05	-0.02	0.09	1.62e-04	-3.78e-04	-1.90e-05
733	8	9.56e-03	-0.07	0.24	1.23e-03	-2.70e-04	-4.65e-05
734	7	-0.04	0.02	0.11	-1.91e-04	-4.17e-04	-2.01e-05
734	8	-7.84e-03	-0.07	-0.20	1.24e-03	1.21e-04	-4.29e-05
735	7	-0.04	0.01	0.08	-1.42e-04	-3.16e-04	1.73e-05
735	8	-9.44e-03	-0.07	-0.23	1.10e-03	2.67e-04	-4.06e-05
736	7	-0.04	0.01	0.07	-1.27e-04	-2.70e-04	1.67e-05
736	8	-9.32e-03	-0.07	-0.22	1.01e-03	2.40e-04	-3.79e-05
737	7	-0.04	0.01	0.06	-1.17e-04	-2.34e-04	1.63e-05
737	8	-9.20e-03	-0.06	-0.21	9.49e-04	2.04e-04	-3.64e-05
738	7	-0.04	0.01	0.05	-1.11e-04	-2.11e-04	1.59e-05
738	8	-9.09e-03	-0.06	-0.20	9.13e-04	1.65e-04	-3.48e-05
739	7	-0.04	0.01	0.04	-1.07e-04	-2.06e-04	1.55e-05
739	8	-8.99e-03	-0.06	-0.20	9.01e-04	1.28e-04	-3.31e-05
740	7	-0.04	0.01	0.03	-1.03e-04	-2.32e-04	1.60e-05
740	8	-8.91e-03	-0.06	-0.19	9.24e-04	1.03e-04	-3.31e-05
741	6	-0.04	-0.01	0.07	1.25e-04	-2.70e-04	-1.64e-05
741	8	9.32e-03	-0.07	0.22	1.01e-03	-2.40e-04	-3.79e-05
742	6	-0.04	-0.01	0.06	1.15e-04	-2.34e-04	-1.60e-05
742	8	9.21e-03	-0.06	0.21	9.49e-04	-2.04e-04	-3.64e-05
743	1	-2.73e-05	9.17e-06	-0.14	-7.92e-05	3.92e-05	0.0
743	6	-0.04	-0.02	0.10	1.40e-04	-3.30e-04	-1.66e-05
743	8	4.75e-03	-0.07	0.11	9.17e-04	-3.42e-05	-3.52e-05
744	6	-0.04	-0.02	0.10	1.67e-04	-3.65e-04	-1.74e-05
744	8	6.18e-03	-0.07	0.15	1.04e-03	-6.11e-05	-3.64e-05
745	7	-0.04	0.02	0.10	-1.69e-04	-3.67e-04	-1.78e-05
745	8	-6.28e-03	-0.07	-0.15	1.05e-03	6.38e-05	-3.66e-05
746	1	-2.74e-05	-9.61e-06	-0.14	8.06e-05	3.96e-05	0.0
746	7	-0.04	0.02	0.10	-1.43e-04	-3.32e-04	1.69e-05
746	8	-4.85e-03	-0.07	-0.11	9.25e-04	3.56e-05	-3.52e-05
747	6	-0.04	-0.01	0.05	1.10e-04	-2.12e-04	-1.57e-05
747	8	9.10e-03	-0.06	0.20	9.13e-04	-1.65e-04	-3.48e-05

748	6	-0.04	-0.01	0.04	1.06e-04	-2.06e-04	-1.52e-05
748	8	9.00e-03	-0.06	0.20	9.01e-04	-1.28e-04	-3.31e-05
749	1	-2.64e-05	-6.70e-06	-0.14	6.07e-05	3.43e-05	0.0
749	7	-0.04	0.02	0.09	-1.14e-04	-3.06e-04	1.65e-05
749	8	-3.45e-03	-0.07	-0.08	8.34e-04	2.00e-05	-3.46e-05
750	6	-0.04	-0.02	0.11	1.88e-04	-4.13e-04	1.96e-05
750	8	7.73e-03	-0.07	0.19	1.22e-03	-1.16e-04	-4.24e-05
751	1	-2.59e-05	-4.02e-06	-0.13	3.79e-05	3.07e-05	0.0
751	7	-0.04	0.02	0.09	-8.75e-05	-2.90e-04	1.63e-05
751	8	-2.08e-03	-0.07	-0.05	7.74e-04	1.01e-05	-3.41e-05
752	1	-2.56e-05	-1.46e-06	-0.13	1.34e-05	2.89e-05	0.0
752	7	-0.04	0.02	0.09	-7.46e-05	-2.82e-04	1.61e-05
752	8	-7.24e-04	-0.07	-0.02	7.44e-04	3.17e-06	-3.39e-05
753	1	-2.56e-05	1.06e-06	-0.13	-1.16e-05	2.88e-05	0.0
753	6	-0.04	-0.02	0.09	7.32e-05	-2.82e-04	-1.58e-05
753	8	6.30e-04	-0.07	0.01	7.42e-04	-2.82e-06	-3.39e-05
754	1	-2.58e-05	3.61e-06	-0.13	-3.62e-05	3.05e-05	0.0
754	6	-0.04	-0.02	0.09	8.49e-05	-2.90e-04	-1.60e-05
754	8	1.99e-03	-0.07	0.04	7.71e-04	-9.61e-06	-3.41e-05
755	6	-0.04	-0.01	0.03	1.01e-04	-2.33e-04	-1.57e-05
755	8	8.92e-03	-0.06	0.19	9.24e-04	-1.03e-04	-3.31e-05
756	1	-2.64e-05	6.28e-06	-0.13	-5.91e-05	3.40e-05	0.0
756	6	-0.04	-0.02	0.09	1.11e-04	-3.05e-04	-1.62e-05
756	8	3.36e-03	-0.07	0.08	8.29e-04	-1.92e-05	-3.45e-05

Nodo	**Traslazione X**	**Traslazione Y**	**Traslazione Z**	**Rotazione X**	**Rotazione Y**	**Rotazione Z**
	-0.58	-1.39	-0.26	-4.17e-04	-7.93e-04	-3.05e-04
	0.11	0.21	0.26	2.92e-03	3.10e-04	4.07e-04

Nodo	**CDC**	**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**
		kN	kN	kN	kN m	kN m	kN m

Nodo	**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**

Nodo	**Cmb**	**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**
		kN	kN	kN	kN m	kN m	kN m

RISULTATI OPERE DI FONDAZIONE

LEGENDA RISULTATI OPERE DI FONDAZIONE

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

La prima tabella è riferita alle fondazioni tipo palo e plinto su pali.
Per questo tipo di fondazione vengono riportate le sei componenti di sollecitazione (espresse nel riferimento globale della struttura) per ogni palo componente l'opera.
In particolare viene riportato:

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

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

La seconda tabella è riferita alle fondazioni tipo plinto su suolo elastico.
Per questo tipo di fondazione vengono riportate le pressioni nei quattro vertici dell'impronta sul terreno.
In particolare viene riportato:

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

La terza tabella è riferita alle fondazioni tipo platea su suolo elastico.
Per questo tipo di fondazione vengono riportate le pressioni in ogni vertice (nodo) degli elementi costituenti la platea.

La quarta tabella è riferita alle fondazioni tipo trave su suolo elastico.
Per questo tipo di fondazione vengono riportate le pressioni alle estremità dell'elemento e la massima (in valore assoluto) pressione lungo lo sviluppo dell'elemento.
Vengono inoltre riportati, con funzione statistica, i valori massimo e minimo delle pressioni che compaiono nella tabella.

	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
1	-0.33	-0.42	-0.36	-0.24	-0.23	-0.23					
3	-0.33	-0.38	-0.34	-0.25	-0.23	-0.23					
5	-0.33	-0.38	-0.33	-0.24	-0.23	-0.23					
7	-0.33	-0.38	-0.33	-0.24	-0.23	-0.23					
9	-0.33	-0.38	-0.34	-0.25	-0.23	-0.23					
11	-0.33	-0.42	-0.36	-0.24	-0.23	-0.23					
13	-0.37	-0.56	-0.47	-0.27	-0.26	-0.26					
15	-0.37	-0.56	-0.47	-0.27	-0.26	-0.26					
17	-0.31	-0.37	-0.32	-0.23	-0.22	-0.22					
18	-0.31	-0.37	-0.32	-0.23	-0.22	-0.22					
19	-0.33	-0.42	-0.36	-0.24	-0.23	-0.23					
20	-0.31	-0.38	-0.33	-0.23	-0.22	-0.22					
21	-0.33	-0.42	-0.36	-0.24	-0.23	-0.23					
22	-0.31	-0.38	-0.33	-0.23	-0.22	-0.22					
23	-0.33	-0.43	-0.37	-0.24	-0.23	-0.23					
24	-0.31	-0.39	-0.34	-0.23	-0.22	-0.22					
25	-0.33	-0.44	-0.38	-0.24	-0.23	-0.23					
26	-0.32	-0.40	-0.35	-0.23	-0.22	-0.22					
27	-0.33	-0.45	-0.39	-0.24	-0.23	-0.23					
28	-0.32	-0.42	-0.36	-0.24	-0.23	-0.22					
29	-0.34	-0.47	-0.40	-0.25	-0.24	-0.23					
30	-0.33	-0.43	-0.37	-0.24	-0.23	-0.23					
31	-0.34	-0.49	-0.41	-0.25	-0.24	-0.24					
32	-0.34	-0.45	-0.39	-0.25	-0.24	-0.24					
33	-0.35	-0.51	-0.43	-0.26	-0.25	-0.25					
34	-0.35	-0.47	-0.40	-0.25	-0.24	-0.24					
35	-0.36	-0.53	-0.45	-0.27	-0.26	-0.25					
36	-0.36	-0.48	-0.41	-0.26	-0.25	-0.25					
37	-0.29	-0.32	-0.29	-0.21	-0.21	-0.20					
38	-0.29	-0.33	-0.29	-0.21	-0.21	-0.20					
39	-0.29	-0.33	-0.29	-0.22	-0.21	-0.21					
40	-0.29	-0.34	-0.30	-0.22	-0.21	-0.21					
41	-0.30	-0.35	-0.31	-0.22	-0.21	-0.21					
42	-0.30	-0.36	-0.31	-0.22	-0.21	-0.21					
43	-0.31	-0.37	-0.32	-0.23	-0.22	-0.22					
44	-0.31	-0.38	-0.33	-0.23	-0.22	-0.22					
45	-0.32	-0.40	-0.35	-0.24	-0.23	-0.23					
46	-0.33	-0.41	-0.36	-0.24	-0.23	-0.23					
47	-0.34	-0.42	-0.37	-0.25	-0.24	-0.24					
48	-0.28	-0.29	-0.26	-0.20	-0.20	-0.19					
49	-0.28	-0.29	-0.26	-0.20	-0.20	-0.19					
50	-0.28	-0.29	-0.26	-0.21	-0.20	-0.20					
51	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20					
52	-0.28	-0.31	-0.28	-0.21	-0.20	-0.20					
53	-0.29	-0.32	-0.28	-0.21	-0.21	-0.20					
54	-0.29	-0.33	-0.29	-0.22	-0.21	-0.21					
55	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21					
56	-0.31	-0.35	-0.31	-0.23	-0.22	-0.22					
57	-0.32	-0.36	-0.32	-0.23	-0.23	-0.22					
58	-0.33	-0.37	-0.33	-0.24	-0.23	-0.23					
59	-0.26	-0.25	-0.23	-0.19	-0.19	-0.19					
60	-0.26	-0.25	-0.23	-0.20	-0.19	-0.19					
61	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19					
62	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19					
63	-0.27	-0.27	-0.25	-0.20	-0.20	-0.19					
64	-0.28	-0.28	-0.25	-0.20	-0.20	-0.20					
65	-0.28	-0.29	-0.26	-0.21	-0.20	-0.20					
66	-0.29	-0.30	-0.27	-0.21	-0.21	-0.21					
67	-0.30	-0.31	-0.28	-0.22	-0.21	-0.21					
68	-0.31	-0.32	-0.29	-0.23	-0.22	-0.22					
69	-0.32	-0.33	-0.30	-0.23	-0.22	-0.22					
70	-0.26	-0.22	-0.21	-0.19	-0.18	-0.18					
71	-0.26	-0.22	-0.21	-0.19	-0.18	-0.18					
72	-0.26	-0.23	-0.21	-0.19	-0.19	-0.18					
73	-0.26	-0.23	-0.22	-0.19	-0.19	-0.19					
74	-0.27	-0.24	-0.22	-0.20	-0.19	-0.19					
75	-0.27	-0.24	-0.23	-0.20	-0.19	-0.19					
76	-0.28	-0.25	-0.24	-0.20	-0.20	-0.20					
77	-0.28	-0.27	-0.25	-0.21	-0.20	-0.20					
78	-0.29	-0.28	-0.26	-0.21	-0.21	-0.21					
79	-0.30	-0.30	-0.27	-0.22	-0.21	-0.21					
80	-0.31	-0.32	-0.29	-0.23	-0.22	-0.22					
81	-0.25	-0.19	-0.19	-0.19	-0.18	-0.18					
82	-0.25	-0.19	-0.19	-0.19	-0.18	-0.18					
83	-0.25	-0.20	-0.19	-0.19	-0.18	-0.18					
84	-0.26	-0.21	-0.20	-0.19	-0.18	-0.18					

85	-0.26	-0.22	-0.21	-0.19	-0.19	-0.19
86	-0.27	-0.23	-0.22	-0.20	-0.19	-0.19
87	-0.27	-0.24	-0.23	-0.20	-0.20	-0.19
88	-0.28	-0.25	-0.24	-0.21	-0.20	-0.20
89	-0.29	-0.27	-0.25	-0.21	-0.21	-0.20
90	-0.30	-0.28	-0.26	-0.22	-0.21	-0.21
91	-0.30	-0.30	-0.28	-0.22	-0.22	-0.22
92	-0.25	-0.19	-0.19	-0.19	-0.18	-0.18
93	-0.25	-0.19	-0.19	-0.19	-0.18	-0.18
94	-0.25	-0.20	-0.19	-0.19	-0.18	-0.18
95	-0.26	-0.21	-0.20	-0.19	-0.18	-0.18
96	-0.26	-0.22	-0.21	-0.19	-0.19	-0.19
97	-0.27	-0.23	-0.22	-0.20	-0.19	-0.19
98	-0.27	-0.24	-0.23	-0.20	-0.20	-0.19
99	-0.28	-0.25	-0.24	-0.21	-0.20	-0.20
100	-0.29	-0.27	-0.25	-0.21	-0.21	-0.20
101	-0.30	-0.28	-0.26	-0.22	-0.21	-0.21
102	-0.30	-0.30	-0.27	-0.22	-0.22	-0.22
103	-0.25	-0.22	-0.21	-0.19	-0.18	-0.18
104	-0.26	-0.22	-0.21	-0.19	-0.18	-0.18
105	-0.26	-0.22	-0.21	-0.19	-0.18	-0.18
106	-0.26	-0.23	-0.22	-0.19	-0.19	-0.19
107	-0.27	-0.24	-0.22	-0.20	-0.19	-0.19
108	-0.27	-0.24	-0.23	-0.20	-0.19	-0.19
109	-0.28	-0.25	-0.24	-0.20	-0.20	-0.20
110	-0.28	-0.27	-0.25	-0.21	-0.20	-0.20
111	-0.29	-0.28	-0.26	-0.21	-0.21	-0.21
112	-0.30	-0.30	-0.27	-0.22	-0.21	-0.21
113	-0.31	-0.31	-0.29	-0.23	-0.22	-0.22
114	-0.26	-0.25	-0.23	-0.19	-0.19	-0.19
115	-0.26	-0.25	-0.23	-0.19	-0.19	-0.19
116	-0.27	-0.25	-0.23	-0.20	-0.19	-0.19
117	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
118	-0.27	-0.27	-0.25	-0.20	-0.19	-0.19
119	-0.28	-0.28	-0.25	-0.20	-0.20	-0.20
120	-0.28	-0.28	-0.26	-0.21	-0.20	-0.20
121	-0.29	-0.29	-0.27	-0.21	-0.21	-0.21
122	-0.30	-0.30	-0.28	-0.22	-0.21	-0.21
123	-0.31	-0.32	-0.29	-0.23	-0.22	-0.22
124	-0.32	-0.33	-0.30	-0.23	-0.22	-0.22
125	-0.27	-0.28	-0.26	-0.20	-0.20	-0.19
126	-0.27	-0.28	-0.26	-0.20	-0.20	-0.19
127	-0.28	-0.29	-0.26	-0.20	-0.20	-0.20
128	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
129	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
130	-0.29	-0.31	-0.28	-0.21	-0.20	-0.20
131	-0.29	-0.32	-0.29	-0.22	-0.21	-0.21
132	-0.30	-0.33	-0.30	-0.22	-0.21	-0.21
133	-0.31	-0.35	-0.31	-0.23	-0.22	-0.22
134	-0.32	-0.36	-0.32	-0.23	-0.23	-0.22
135	-0.33	-0.37	-0.33	-0.24	-0.23	-0.23
136	-0.29	-0.32	-0.29	-0.21	-0.21	-0.20
137	-0.29	-0.32	-0.29	-0.21	-0.21	-0.20
138	-0.29	-0.33	-0.29	-0.21	-0.21	-0.20
139	-0.29	-0.34	-0.30	-0.22	-0.21	-0.21
140	-0.30	-0.35	-0.30	-0.22	-0.21	-0.21
141	-0.30	-0.36	-0.31	-0.22	-0.21	-0.21
142	-0.31	-0.37	-0.32	-0.22	-0.22	-0.22
143	-0.31	-0.38	-0.33	-0.23	-0.22	-0.22
144	-0.32	-0.39	-0.34	-0.24	-0.23	-0.23
145	-0.33	-0.41	-0.35	-0.24	-0.23	-0.23
146	-0.34	-0.42	-0.37	-0.25	-0.24	-0.24
147	-0.31	-0.36	-0.32	-0.23	-0.22	-0.21
148	-0.31	-0.36	-0.32	-0.23	-0.22	-0.21
149	-0.31	-0.37	-0.33	-0.23	-0.22	-0.22
150	-0.31	-0.38	-0.33	-0.23	-0.22	-0.22
151	-0.31	-0.39	-0.34	-0.23	-0.22	-0.22
152	-0.31	-0.40	-0.35	-0.23	-0.22	-0.22
153	-0.32	-0.41	-0.36	-0.24	-0.23	-0.22
154	-0.33	-0.43	-0.37	-0.24	-0.23	-0.23
155	-0.34	-0.45	-0.38	-0.25	-0.24	-0.24
156	-0.35	-0.46	-0.40	-0.25	-0.24	-0.24
157	-0.36	-0.48	-0.41	-0.26	-0.25	-0.25
158	-0.36	-0.53	-0.45	-0.27	-0.26	-0.25
159	-0.33	-0.42	-0.36	-0.24	-0.23	-0.23
160	-0.33	-0.42	-0.36	-0.24	-0.23	-0.23
161	-0.33	-0.43	-0.37	-0.24	-0.23	-0.23

162	-0.33	-0.44	-0.38	-0.24	-0.23	-0.23
163	-0.33	-0.45	-0.38	-0.24	-0.23	-0.23
164	-0.34	-0.47	-0.40	-0.25	-0.24	-0.23
165	-0.34	-0.49	-0.41	-0.25	-0.24	-0.24
166	-0.35	-0.51	-0.43	-0.26	-0.25	-0.25
167	-0.33	-0.38	-0.34	-0.24	-0.23	-0.23
168	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
169	-0.31	-0.34	-0.30	-0.23	-0.22	-0.22
170	-0.31	-0.34	-0.30	-0.23	-0.22	-0.22
171	-0.33	-0.38	-0.33	-0.24	-0.23	-0.23
172	-0.31	-0.34	-0.30	-0.23	-0.22	-0.22
173	-0.33	-0.38	-0.33	-0.24	-0.23	-0.23
174	-0.31	-0.34	-0.30	-0.23	-0.22	-0.21
175	-0.32	-0.38	-0.33	-0.24	-0.23	-0.22
176	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
177	-0.32	-0.38	-0.33	-0.24	-0.23	-0.22
178	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
179	-0.32	-0.38	-0.33	-0.24	-0.23	-0.22
180	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
181	-0.32	-0.39	-0.34	-0.24	-0.23	-0.22
182	-0.30	-0.35	-0.31	-0.22	-0.21	-0.21
183	-0.32	-0.40	-0.35	-0.24	-0.23	-0.22
184	-0.30	-0.35	-0.31	-0.22	-0.22	-0.21
185	-0.33	-0.41	-0.35	-0.24	-0.23	-0.23
186	-0.31	-0.36	-0.32	-0.23	-0.22	-0.21
187	-0.29	-0.30	-0.27	-0.22	-0.21	-0.20
188	-0.29	-0.30	-0.27	-0.21	-0.21	-0.20
189	-0.29	-0.30	-0.27	-0.21	-0.21	-0.20
190	-0.29	-0.30	-0.27	-0.21	-0.20	-0.20
191	-0.29	-0.30	-0.27	-0.21	-0.20	-0.20
192	-0.29	-0.30	-0.27	-0.21	-0.20	-0.20
193	-0.29	-0.31	-0.27	-0.21	-0.20	-0.20
194	-0.29	-0.31	-0.28	-0.21	-0.20	-0.20
195	-0.29	-0.31	-0.28	-0.21	-0.20	-0.20
196	-0.29	-0.32	-0.28	-0.21	-0.20	-0.20
197	-0.27	-0.27	-0.24	-0.20	-0.20	-0.19
198	-0.27	-0.27	-0.24	-0.20	-0.20	-0.19
199	-0.27	-0.27	-0.24	-0.20	-0.19	-0.19
200	-0.27	-0.27	-0.24	-0.20	-0.19	-0.19
201	-0.27	-0.27	-0.24	-0.20	-0.19	-0.19
202	-0.27	-0.27	-0.25	-0.20	-0.19	-0.19
203	-0.27	-0.27	-0.25	-0.20	-0.19	-0.19
204	-0.27	-0.27	-0.25	-0.20	-0.19	-0.19
205	-0.27	-0.28	-0.25	-0.20	-0.19	-0.19
206	-0.27	-0.28	-0.25	-0.20	-0.19	-0.19
207	-0.26	-0.24	-0.22	-0.19	-0.19	-0.19
208	-0.26	-0.24	-0.22	-0.19	-0.19	-0.19
209	-0.26	-0.24	-0.22	-0.19	-0.19	-0.18
210	-0.26	-0.24	-0.22	-0.19	-0.19	-0.18
211	-0.26	-0.24	-0.22	-0.19	-0.19	-0.18
212	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
213	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
214	-0.26	-0.24	-0.22	-0.19	-0.19	-0.18
215	-0.26	-0.24	-0.23	-0.19	-0.19	-0.18
216	-0.26	-0.25	-0.23	-0.19	-0.19	-0.19
217	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
218	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
219	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
220	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
221	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
222	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
223	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
224	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
225	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
226	-0.25	-0.22	-0.21	-0.19	-0.18	-0.18
227	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
228	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
229	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
230	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
231	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
232	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
233	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
234	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
235	-0.25	-0.19	-0.19	-0.18	-0.18	-0.18
236	-0.25	-0.19	-0.19	-0.18	-0.18	-0.18
237	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
238	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18

239	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
240	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
241	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
242	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
243	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
244	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
245	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
246	-0.25	-0.19	-0.19	-0.18	-0.18	-0.18
247	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
248	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
249	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
250	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
251	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
252	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
253	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
254	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
255	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
256	-0.25	-0.22	-0.20	-0.19	-0.18	-0.18
257	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
258	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
259	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
260	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
261	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
262	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
263	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
264	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
265	-0.26	-0.24	-0.22	-0.19	-0.19	-0.18
266	-0.26	-0.24	-0.23	-0.19	-0.19	-0.18
267	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
268	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
269	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
270	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
271	-0.27	-0.27	-0.24	-0.20	-0.19	-0.19
272	-0.27	-0.27	-0.24	-0.20	-0.19	-0.19
273	-0.27	-0.27	-0.25	-0.20	-0.19	-0.19
274	-0.27	-0.27	-0.25	-0.20	-0.19	-0.19
275	-0.27	-0.27	-0.25	-0.20	-0.19	-0.19
276	-0.27	-0.28	-0.25	-0.20	-0.19	-0.19
277	-0.29	-0.30	-0.27	-0.21	-0.21	-0.20
278	-0.29	-0.30	-0.27	-0.21	-0.21	-0.20
279	-0.29	-0.30	-0.27	-0.21	-0.20	-0.20
280	-0.29	-0.30	-0.27	-0.21	-0.20	-0.20
281	-0.29	-0.30	-0.27	-0.21	-0.20	-0.20
282	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
283	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
284	-0.28	-0.31	-0.27	-0.21	-0.20	-0.20
285	-0.29	-0.31	-0.28	-0.21	-0.20	-0.20
286	-0.29	-0.32	-0.28	-0.21	-0.20	-0.20
287	-0.31	-0.34	-0.30	-0.23	-0.22	-0.22
288	-0.31	-0.34	-0.30	-0.23	-0.22	-0.22
289	-0.31	-0.34	-0.30	-0.23	-0.22	-0.21
290	-0.31	-0.33	-0.30	-0.22	-0.22	-0.21
291	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
292	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
293	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
294	-0.30	-0.35	-0.30	-0.22	-0.21	-0.21
295	-0.30	-0.35	-0.31	-0.22	-0.21	-0.21
296	-0.31	-0.36	-0.31	-0.23	-0.22	-0.21
297	-0.29	-0.29	-0.26	-0.21	-0.20	-0.20
298	-0.33	-0.38	-0.34	-0.24	-0.23	-0.23
299	-0.33	-0.38	-0.33	-0.24	-0.23	-0.23
300	-0.33	-0.38	-0.33	-0.24	-0.23	-0.23
301	-0.32	-0.38	-0.33	-0.24	-0.23	-0.22
302	-0.32	-0.38	-0.33	-0.24	-0.23	-0.22
303	-0.32	-0.38	-0.33	-0.24	-0.23	-0.22
304	-0.32	-0.39	-0.34	-0.24	-0.23	-0.22
305	-0.32	-0.40	-0.35	-0.24	-0.23	-0.22
306	-0.33	-0.41	-0.35	-0.24	-0.23	-0.23
307	-0.29	-0.30	-0.27	-0.21	-0.21	-0.20
308	-0.33	-0.37	-0.33	-0.24	-0.23	-0.23
309	-0.33	-0.37	-0.33	-0.24	-0.23	-0.23
310	-0.33	-0.37	-0.33	-0.24	-0.23	-0.23
311	-0.33	-0.37	-0.33	-0.24	-0.23	-0.23
312	-0.31	-0.33	-0.30	-0.23	-0.22	-0.21
313	-0.33	-0.37	-0.33	-0.24	-0.23	-0.23
314	-0.31	-0.33	-0.30	-0.23	-0.22	-0.21
315	-0.33	-0.37	-0.33	-0.24	-0.23	-0.23

316	-0.31	-0.33	-0.29	-0.23	-0.22	-0.21
317	-0.33	-0.37	-0.33	-0.24	-0.23	-0.23
318	-0.31	-0.33	-0.30	-0.23	-0.22	-0.21
319	-0.33	-0.37	-0.33	-0.24	-0.23	-0.23
320	-0.31	-0.33	-0.30	-0.23	-0.22	-0.21
321	-0.33	-0.37	-0.33	-0.24	-0.23	-0.23
322	-0.31	-0.33	-0.30	-0.23	-0.22	-0.22
323	-0.33	-0.38	-0.33	-0.24	-0.23	-0.23
324	-0.31	-0.34	-0.30	-0.23	-0.22	-0.22
325	-0.33	-0.38	-0.34	-0.24	-0.23	-0.23
326	-0.31	-0.34	-0.30	-0.23	-0.22	-0.22
327	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
328	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
329	-0.31	-0.33	-0.29	-0.23	-0.22	-0.21
330	-0.31	-0.33	-0.29	-0.23	-0.22	-0.21
331	-0.29	-0.29	-0.27	-0.21	-0.20	-0.20
332	-0.29	-0.29	-0.27	-0.21	-0.21	-0.20
333	-0.29	-0.29	-0.27	-0.21	-0.21	-0.20
334	-0.29	-0.29	-0.27	-0.21	-0.21	-0.20
335	-0.29	-0.30	-0.27	-0.21	-0.21	-0.20
336	-0.29	-0.30	-0.27	-0.21	-0.21	-0.20
337	-0.29	-0.30	-0.27	-0.21	-0.21	-0.20
338	-0.29	-0.30	-0.27	-0.22	-0.21	-0.20
339	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
340	-0.29	-0.29	-0.26	-0.21	-0.20	-0.20
341	-0.29	-0.29	-0.26	-0.21	-0.20	-0.20
342	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
343	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
344	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
345	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
346	-0.27	-0.26	-0.24	-0.20	-0.20	-0.19
347	-0.27	-0.26	-0.24	-0.20	-0.20	-0.19
348	-0.28	-0.27	-0.24	-0.20	-0.20	-0.19
349	-0.28	-0.27	-0.24	-0.20	-0.20	-0.19
350	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
351	-0.31	-0.33	-0.29	-0.23	-0.22	-0.21
352	-0.31	-0.33	-0.29	-0.23	-0.22	-0.21
353	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
354	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
355	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
356	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
357	-0.26	-0.23	-0.22	-0.19	-0.19	-0.19
358	-0.26	-0.24	-0.22	-0.19	-0.19	-0.19
359	-0.26	-0.24	-0.22	-0.19	-0.19	-0.19
360	-0.26	-0.24	-0.22	-0.19	-0.19	-0.19
361	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
362	-0.31	-0.33	-0.29	-0.23	-0.22	-0.21
363	-0.31	-0.33	-0.30	-0.23	-0.22	-0.21
364	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
365	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
366	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
367	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
368	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
369	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
370	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
371	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
372	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
373	-0.31	-0.33	-0.30	-0.23	-0.22	-0.22
374	-0.31	-0.34	-0.30	-0.23	-0.22	-0.22
375	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
376	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
377	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
378	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
379	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
380	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
381	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
382	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
383	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
384	-0.27	-0.26	-0.24	-0.20	-0.20	-0.19
385	-0.33	-0.38	-0.33	-0.24	-0.23	-0.23
386	-0.25	-0.18	-0.18	-0.18	-0.18	-0.18
387	-0.25	-0.18	-0.18	-0.18	-0.18	-0.18
388	-0.25	-0.18	-0.18	-0.18	-0.18	-0.18
389	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
390	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
391	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
392	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18

393	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
394	-0.29	-0.29	-0.26	-0.21	-0.20	-0.20
395	-0.29	-0.29	-0.27	-0.21	-0.20	-0.20
396	-0.29	-0.30	-0.27	-0.21	-0.21	-0.20
397	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
398	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
399	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
400	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
401	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
402	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
403	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
404	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
405	-0.33	-0.37	-0.33	-0.24	-0.23	-0.23
406	-0.33	-0.38	-0.34	-0.24	-0.23	-0.23
407	-0.29	-0.30	-0.27	-0.21	-0.21	-0.20
408	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
409	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
410	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
411	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
412	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
413	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
414	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
415	-0.37	-0.55	-0.47	-0.27	-0.26	-0.26
417	-0.37	-0.55	-0.47	-0.27	-0.26	-0.26
419	-0.33	-0.43	-0.37	-0.24	-0.23	-0.23
420	-0.32	-0.39	-0.34	-0.24	-0.23	-0.22
423	-0.35	-0.50	-0.43	-0.26	-0.25	-0.25
426	-0.32	-0.39	-0.34	-0.24	-0.23	-0.22
427	-0.33	-0.43	-0.37	-0.24	-0.23	-0.23
428	-0.27	-0.27	-0.24	-0.20	-0.19	-0.19
429	-0.27	-0.27	-0.24	-0.20	-0.19	-0.19
430	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
431	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
432	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
433	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
434	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
435	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
436	-0.32	-0.39	-0.34	-0.24	-0.23	-0.22
437	-0.27	-0.27	-0.25	-0.20	-0.20	-0.19
438	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
439	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
440	-0.32	-0.38	-0.33	-0.24	-0.22	-0.22
441	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
442	-0.32	-0.38	-0.33	-0.23	-0.22	-0.22
443	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
444	-0.32	-0.37	-0.33	-0.24	-0.22	-0.22
445	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
446	-0.32	-0.37	-0.33	-0.24	-0.23	-0.22
447	-0.30	-0.33	-0.30	-0.22	-0.21	-0.21
448	-0.32	-0.37	-0.33	-0.24	-0.23	-0.22
449	-0.30	-0.33	-0.30	-0.22	-0.21	-0.21
450	-0.33	-0.38	-0.33	-0.24	-0.23	-0.23
451	-0.31	-0.33	-0.30	-0.23	-0.22	-0.21
452	-0.30	-0.33	-0.30	-0.22	-0.21	-0.21
453	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
454	-0.32	-0.38	-0.33	-0.23	-0.22	-0.22
455	-0.32	-0.37	-0.33	-0.24	-0.22	-0.22
456	-0.27	-0.27	-0.24	-0.20	-0.19	-0.19
457	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
458	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
459	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
460	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
461	-0.29	-0.29	-0.27	-0.21	-0.20	-0.20
462	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
463	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
464	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
465	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
466	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
467	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
468	-0.29	-0.30	-0.27	-0.21	-0.20	-0.20
469	-0.29	-0.30	-0.27	-0.21	-0.20	-0.20
470	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
471	-0.29	-0.29	-0.27	-0.21	-0.20	-0.20
472	-0.27	-0.27	-0.24	-0.20	-0.19	-0.19
473	-0.27	-0.27	-0.24	-0.20	-0.19	-0.19
474	-0.27	-0.27	-0.24	-0.20	-0.19	-0.19
475	-0.27	-0.27	-0.24	-0.20	-0.19	-0.19

476	-0.27	-0.27	-0.24	-0.20	-0.19	-0.19
477	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
478	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
479	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
480	-0.30	-0.33	-0.30	-0.22	-0.21	-0.21
481	-0.32	-0.37	-0.33	-0.24	-0.23	-0.22
482	-0.30	-0.33	-0.30	-0.22	-0.21	-0.21
483	-0.32	-0.37	-0.33	-0.24	-0.23	-0.22
484	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
485	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
486	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
487	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
488	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
489	-0.26	-0.23	-0.22	-0.19	-0.18	-0.18
490	-0.26	-0.23	-0.22	-0.19	-0.18	-0.18
491	-0.26	-0.23	-0.22	-0.19	-0.19	-0.18
492	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
493	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
494	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
495	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
496	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
497	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
498	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
499	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
500	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
501	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
502	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
503	-0.24	-0.19	-0.18	-0.18	-0.17	-0.17
504	-0.24	-0.19	-0.18	-0.18	-0.17	-0.17
505	-0.24	-0.19	-0.18	-0.18	-0.17	-0.17
506	-0.24	-0.19	-0.18	-0.18	-0.17	-0.17
507	-0.24	-0.19	-0.18	-0.18	-0.18	-0.17
508	-0.24	-0.19	-0.18	-0.18	-0.18	-0.17
509	-0.25	-0.19	-0.18	-0.18	-0.18	-0.17
510	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
511	-0.24	-0.19	-0.18	-0.18	-0.17	-0.17
512	-0.24	-0.19	-0.18	-0.18	-0.17	-0.17
513	-0.24	-0.19	-0.18	-0.18	-0.17	-0.17
514	-0.24	-0.19	-0.18	-0.18	-0.17	-0.17
515	-0.24	-0.19	-0.18	-0.18	-0.18	-0.17
516	-0.24	-0.19	-0.18	-0.18	-0.18	-0.17
517	-0.25	-0.18	-0.18	-0.18	-0.18	-0.17
518	-0.25	-0.18	-0.18	-0.18	-0.18	-0.18
519	-0.30	-0.33	-0.30	-0.22	-0.22	-0.21
520	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
521	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
522	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
523	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
524	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
525	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
526	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
527	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
528	-0.33	-0.38	-0.33	-0.24	-0.23	-0.23
529	-0.25	-0.24	-0.22	-0.19	-0.18	-0.18
530	-0.25	-0.24	-0.22	-0.19	-0.18	-0.18
531	-0.26	-0.23	-0.22	-0.19	-0.18	-0.18
532	-0.26	-0.23	-0.22	-0.19	-0.18	-0.18
533	-0.26	-0.23	-0.22	-0.19	-0.18	-0.18
534	-0.26	-0.23	-0.22	-0.19	-0.18	-0.18
535	-0.26	-0.23	-0.22	-0.19	-0.18	-0.18
536	-0.26	-0.23	-0.22	-0.19	-0.18	-0.18
537	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
538	-0.32	-0.39	-0.34	-0.24	-0.23	-0.22
539	-0.32	-0.38	-0.33	-0.24	-0.22	-0.22
540	-0.27	-0.28	-0.25	-0.20	-0.19	-0.19
541	-0.27	-0.28	-0.26	-0.20	-0.20	-0.19
542	-0.29	-0.32	-0.29	-0.21	-0.20	-0.20
543	-0.29	-0.32	-0.28	-0.21	-0.20	-0.20
544	-0.27	-0.28	-0.25	-0.20	-0.19	-0.19
545	-0.28	-0.31	-0.28	-0.21	-0.20	-0.20
546	-0.27	-0.27	-0.25	-0.20	-0.19	-0.19
547	-0.28	-0.31	-0.28	-0.21	-0.20	-0.20
548	-0.31	-0.37	-0.32	-0.23	-0.22	-0.21
549	-0.30	-0.36	-0.32	-0.22	-0.21	-0.21
550	-0.30	-0.36	-0.31	-0.22	-0.21	-0.21
551	-0.30	-0.35	-0.31	-0.22	-0.21	-0.21
552	-0.30	-0.35	-0.31	-0.22	-0.21	-0.21

553	-0.30	-0.35	-0.30	-0.22	-0.21	-0.21
554	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
555	-0.30	-0.35	-0.31	-0.22	-0.21	-0.21
556	-0.30	-0.35	-0.31	-0.22	-0.21	-0.21
557	-0.27	-0.27	-0.25	-0.20	-0.19	-0.19
558	-0.28	-0.31	-0.27	-0.21	-0.20	-0.20
559	-0.27	-0.27	-0.24	-0.20	-0.19	-0.19
560	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
561	-0.29	-0.33	-0.29	-0.21	-0.21	-0.20
562	-0.29	-0.32	-0.28	-0.21	-0.20	-0.20
563	-0.28	-0.31	-0.28	-0.21	-0.20	-0.20
564	-0.28	-0.31	-0.28	-0.21	-0.20	-0.20
565	-0.28	-0.31	-0.28	-0.21	-0.20	-0.20
566	-0.28	-0.31	-0.27	-0.21	-0.20	-0.20
567	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
568	-0.27	-0.27	-0.24	-0.20	-0.19	-0.19
569	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
570	-0.27	-0.29	-0.26	-0.20	-0.20	-0.19
571	-0.27	-0.28	-0.25	-0.20	-0.19	-0.19
572	-0.27	-0.28	-0.25	-0.20	-0.19	-0.19
573	-0.27	-0.27	-0.25	-0.20	-0.19	-0.19
574	-0.27	-0.27	-0.25	-0.20	-0.19	-0.19
575	-0.27	-0.27	-0.25	-0.20	-0.19	-0.19
576	-0.27	-0.27	-0.25	-0.20	-0.19	-0.19
577	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
578	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
579	-0.26	-0.25	-0.23	-0.19	-0.19	-0.19
580	-0.26	-0.25	-0.23	-0.19	-0.19	-0.18
581	-0.26	-0.24	-0.23	-0.19	-0.19	-0.18
582	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
583	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
584	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
585	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
586	-0.31	-0.37	-0.32	-0.23	-0.22	-0.21
587	-0.30	-0.36	-0.31	-0.22	-0.21	-0.21
588	-0.25	-0.22	-0.21	-0.19	-0.18	-0.18
589	-0.25	-0.22	-0.21	-0.19	-0.18	-0.18
590	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
591	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
592	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
593	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
594	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
595	-0.25	-0.19	-0.19	-0.19	-0.18	-0.18
596	-0.25	-0.19	-0.19	-0.18	-0.18	-0.18
597	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
598	-0.24	-0.19	-0.18	-0.18	-0.18	-0.17
599	-0.24	-0.19	-0.18	-0.18	-0.18	-0.17
600	-0.24	-0.19	-0.18	-0.18	-0.17	-0.17
601	-0.24	-0.19	-0.18	-0.18	-0.17	-0.17
602	-0.25	-0.19	-0.19	-0.19	-0.18	-0.18
603	-0.25	-0.19	-0.19	-0.18	-0.18	-0.18
604	-0.25	-0.19	-0.18	-0.18	-0.18	-0.18
605	-0.24	-0.19	-0.18	-0.18	-0.18	-0.17
606	-0.24	-0.19	-0.18	-0.18	-0.18	-0.17
607	-0.24	-0.19	-0.18	-0.18	-0.17	-0.17
608	-0.24	-0.19	-0.18	-0.18	-0.17	-0.17
609	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
610	-0.25	-0.22	-0.21	-0.19	-0.18	-0.18
611	-0.25	-0.22	-0.20	-0.19	-0.18	-0.18
612	-0.25	-0.21	-0.20	-0.19	-0.18	-0.18
613	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
614	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
615	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
616	-0.25	-0.21	-0.20	-0.18	-0.18	-0.18
617	-0.26	-0.25	-0.23	-0.19	-0.19	-0.19
618	-0.26	-0.25	-0.23	-0.19	-0.19	-0.18
619	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
620	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
621	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
622	-0.26	-0.24	-0.22	-0.19	-0.18	-0.18
623	-0.25	-0.24	-0.22	-0.19	-0.18	-0.18
624	-0.31	-0.35	-0.31	-0.23	-0.22	-0.22
625	-0.32	-0.36	-0.32	-0.23	-0.22	-0.22
626	-0.33	-0.41	-0.35	-0.24	-0.23	-0.23
627	-0.32	-0.39	-0.34	-0.24	-0.23	-0.23
628	-0.30	-0.33	-0.30	-0.22	-0.21	-0.21
629	-0.31	-0.38	-0.33	-0.23	-0.22	-0.22

630	-0.29	-0.32	-0.29	-0.22	-0.21	-0.21
631	-0.31	-0.37	-0.32	-0.23	-0.22	-0.22
632	-0.34	-0.46	-0.40	-0.25	-0.24	-0.24
633	-0.34	-0.45	-0.38	-0.25	-0.24	-0.24
634	-0.33	-0.43	-0.37	-0.24	-0.23	-0.23
635	-0.32	-0.42	-0.36	-0.24	-0.23	-0.23
636	-0.32	-0.41	-0.35	-0.23	-0.22	-0.22
637	-0.31	-0.40	-0.34	-0.23	-0.22	-0.22
638	-0.31	-0.39	-0.34	-0.23	-0.22	-0.22
639	-0.32	-0.41	-0.36	-0.24	-0.23	-0.23
640	-0.33	-0.43	-0.37	-0.24	-0.23	-0.23
641	-0.29	-0.31	-0.28	-0.21	-0.21	-0.20
642	-0.30	-0.36	-0.31	-0.22	-0.21	-0.21
643	-0.28	-0.31	-0.27	-0.21	-0.20	-0.20
644	-0.30	-0.35	-0.31	-0.22	-0.21	-0.21
645	-0.33	-0.41	-0.36	-0.24	-0.23	-0.23
646	-0.32	-0.40	-0.34	-0.24	-0.23	-0.23
647	-0.31	-0.38	-0.33	-0.23	-0.22	-0.22
648	-0.31	-0.37	-0.32	-0.23	-0.22	-0.22
649	-0.30	-0.36	-0.32	-0.22	-0.21	-0.21
650	-0.30	-0.35	-0.31	-0.22	-0.21	-0.21
651	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
652	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
653	-0.29	-0.34	-0.30	-0.22	-0.21	-0.21
654	-0.32	-0.36	-0.32	-0.23	-0.22	-0.22
655	-0.31	-0.35	-0.31	-0.23	-0.22	-0.22
656	-0.30	-0.34	-0.30	-0.22	-0.21	-0.21
657	-0.29	-0.33	-0.29	-0.22	-0.21	-0.21
658	-0.29	-0.32	-0.28	-0.21	-0.21	-0.20
659	-0.28	-0.31	-0.28	-0.21	-0.20	-0.20
660	-0.28	-0.30	-0.27	-0.21	-0.20	-0.20
661	-0.32	-0.40	-0.35	-0.23	-0.22	-0.22
662	-0.31	-0.39	-0.34	-0.23	-0.22	-0.22
663	-0.31	-0.32	-0.29	-0.22	-0.22	-0.22
664	-0.30	-0.31	-0.28	-0.22	-0.21	-0.21
665	-0.29	-0.30	-0.27	-0.21	-0.21	-0.21
666	-0.28	-0.29	-0.26	-0.21	-0.20	-0.20
667	-0.28	-0.28	-0.25	-0.21	-0.20	-0.20
668	-0.27	-0.27	-0.25	-0.20	-0.20	-0.19
669	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
670	-0.34	-0.46	-0.39	-0.25	-0.24	-0.24
671	-0.33	-0.44	-0.38	-0.25	-0.24	-0.23
672	-0.30	-0.30	-0.28	-0.22	-0.21	-0.21
673	-0.29	-0.29	-0.26	-0.21	-0.21	-0.21
674	-0.28	-0.27	-0.25	-0.21	-0.20	-0.20
675	-0.28	-0.26	-0.24	-0.20	-0.20	-0.20
676	-0.27	-0.25	-0.23	-0.20	-0.19	-0.19
677	-0.27	-0.24	-0.22	-0.20	-0.19	-0.19
678	-0.26	-0.23	-0.22	-0.19	-0.19	-0.19
679	-0.29	-0.29	-0.27	-0.22	-0.21	-0.21
680	-0.29	-0.27	-0.25	-0.21	-0.21	-0.20
681	-0.28	-0.26	-0.24	-0.21	-0.20	-0.20
682	-0.27	-0.24	-0.23	-0.20	-0.20	-0.19
683	-0.27	-0.23	-0.22	-0.20	-0.19	-0.19
684	-0.26	-0.22	-0.21	-0.19	-0.19	-0.19
685	-0.26	-0.21	-0.20	-0.19	-0.18	-0.18
686	-0.29	-0.29	-0.26	-0.22	-0.21	-0.21
687	-0.29	-0.27	-0.25	-0.21	-0.21	-0.20
688	-0.28	-0.26	-0.24	-0.21	-0.20	-0.20
689	-0.27	-0.24	-0.23	-0.20	-0.20	-0.19
690	-0.27	-0.23	-0.22	-0.20	-0.19	-0.19
691	-0.26	-0.22	-0.21	-0.19	-0.19	-0.19
692	-0.26	-0.21	-0.20	-0.19	-0.18	-0.18
693	-0.31	-0.38	-0.33	-0.23	-0.22	-0.22
694	-0.30	-0.30	-0.27	-0.22	-0.21	-0.21
695	-0.29	-0.29	-0.26	-0.21	-0.21	-0.21
696	-0.28	-0.27	-0.25	-0.21	-0.20	-0.20
697	-0.28	-0.25	-0.24	-0.20	-0.20	-0.20
698	-0.27	-0.24	-0.23	-0.20	-0.19	-0.19
699	-0.27	-0.24	-0.22	-0.20	-0.19	-0.19
700	-0.26	-0.23	-0.22	-0.19	-0.19	-0.19
701	-0.31	-0.32	-0.29	-0.22	-0.22	-0.22
702	-0.30	-0.30	-0.28	-0.22	-0.21	-0.21
703	-0.29	-0.29	-0.27	-0.21	-0.21	-0.21
704	-0.28	-0.29	-0.26	-0.21	-0.20	-0.20
705	-0.28	-0.28	-0.25	-0.21	-0.20	-0.20
706	-0.33	-0.42	-0.36	-0.24	-0.23	-0.23

707	-0.31	-0.38	-0.33	-0.23	-0.22	-0.22
708	-0.32	-0.41	-0.35	-0.24	-0.23	-0.22
709	-0.32	-0.40	-0.34	-0.24	-0.22	-0.22
710	-0.32	-0.39	-0.34	-0.23	-0.22	-0.22
711	-0.32	-0.39	-0.34	-0.23	-0.22	-0.22
712	-0.32	-0.39	-0.34	-0.24	-0.22	-0.22
713	-0.32	-0.39	-0.34	-0.24	-0.23	-0.22
714	-0.32	-0.40	-0.34	-0.24	-0.22	-0.22
715	-0.32	-0.39	-0.34	-0.23	-0.22	-0.22
716	-0.28	-0.29	-0.26	-0.20	-0.20	-0.20
717	-0.29	-0.33	-0.29	-0.22	-0.21	-0.20
718	-0.29	-0.33	-0.30	-0.22	-0.21	-0.21
719	-0.28	-0.29	-0.26	-0.21	-0.20	-0.20
720	-0.32	-0.39	-0.34	-0.23	-0.22	-0.22
721	-0.32	-0.39	-0.34	-0.24	-0.22	-0.22
722	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
723	-0.31	-0.37	-0.33	-0.23	-0.22	-0.22
724	-0.26	-0.23	-0.21	-0.19	-0.19	-0.18
725	-0.25	-0.20	-0.19	-0.19	-0.18	-0.18
726	-0.25	-0.20	-0.19	-0.19	-0.18	-0.18
727	-0.26	-0.22	-0.21	-0.19	-0.18	-0.18
728	-0.32	-0.39	-0.34	-0.24	-0.23	-0.22
729	-0.27	-0.26	-0.24	-0.20	-0.19	-0.19
730	-0.33	-0.42	-0.36	-0.24	-0.23	-0.23
731	-0.32	-0.41	-0.35	-0.24	-0.23	-0.22
732	-0.36	-0.52	-0.44	-0.26	-0.25	-0.25
733	-0.36	-0.52	-0.44	-0.26	-0.25	-0.25
734	-0.36	-0.48	-0.41	-0.26	-0.25	-0.25
735	-0.35	-0.50	-0.43	-0.26	-0.25	-0.25
736	-0.34	-0.48	-0.41	-0.25	-0.24	-0.24
737	-0.34	-0.47	-0.40	-0.25	-0.24	-0.24
738	-0.33	-0.45	-0.39	-0.25	-0.24	-0.23
739	-0.33	-0.44	-0.38	-0.24	-0.23	-0.23
740	-0.33	-0.44	-0.37	-0.24	-0.23	-0.23
741	-0.34	-0.48	-0.41	-0.25	-0.24	-0.24
742	-0.34	-0.47	-0.40	-0.25	-0.24	-0.24
743	-0.33	-0.37	-0.33	-0.24	-0.23	-0.23
744	-0.34	-0.42	-0.37	-0.25	-0.24	-0.24
745	-0.34	-0.43	-0.37	-0.25	-0.24	-0.24
746	-0.33	-0.37	-0.33	-0.24	-0.23	-0.23
747	-0.33	-0.45	-0.39	-0.25	-0.24	-0.23
748	-0.33	-0.44	-0.38	-0.24	-0.23	-0.23
749	-0.32	-0.34	-0.31	-0.23	-0.22	-0.22
750	-0.36	-0.48	-0.41	-0.26	-0.25	-0.25
751	-0.31	-0.32	-0.29	-0.23	-0.22	-0.22
752	-0.30	-0.31	-0.28	-0.22	-0.22	-0.22
753	-0.30	-0.31	-0.28	-0.22	-0.22	-0.22
754	-0.31	-0.32	-0.29	-0.23	-0.22	-0.22
755	-0.33	-0.44	-0.37	-0.24	-0.23	-0.23
756	-0.32	-0.34	-0.31	-0.23	-0.22	-0.22

Nodo (G)	**Pt 1/12**	**Pt 2/13**	**Pt 3...**	**Pt 4...**
	-0.56			
	-0.17			

Elem.	**Cmb**	**Pt ini**	**Pt fin**	**Pt max**	**Cmb**	**Pt ini**	**Pt fin**	**Pt max**	**Cmb**	**Pt ini**	**Pt fin**	**Pt max**
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm2	daN/cm2
17	2	-0.38	-0.37	-0.38	33	-0.60	-0.57	-0.60	65	-0.50	-0.48	-0.50
	70	-0.28	-0.27	-0.28	72	-0.27	-0.26	-0.27	73	-0.27	-0.26	-0.27
18	2	-0.38	-0.36	-0.38	29	-0.57	-0.49	-0.57	61	-0.48	-0.42	-0.48
	70	-0.28	-0.26	-0.28	72	-0.27	-0.26	-0.27	73	-0.26	-0.25	-0.26
19	2	-0.38	-0.37	-0.38	29	-0.59	-0.57	-0.59	61	-0.50	-0.47	-0.50
	70	-0.28	-0.27	-0.28	72	-0.27	-0.26	-0.27	73	-0.27	-0.26	-0.27
20	2	-0.33	-0.31	-0.33	25	-0.38	-0.33	-0.38	57	-0.33	-0.30	-0.33
	70	-0.24	-0.23	-0.24	72	-0.23	-0.22	-0.23	73	-0.23	-0.22	-0.23
21	2	-0.34	-0.34	-0.34	33	-0.45	-0.44	-0.45	65	-0.38	-0.37	-0.38
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
22	2	-0.36	-0.35	-0.36	29	-0.49	-0.43	-0.49	61	-0.42	-0.37	-0.42
	70	-0.26	-0.25	-0.26	72	-0.26	-0.24	-0.26	73	-0.25	-0.24	-0.25
23	2	-0.35	-0.34	-0.35	33	-0.41	-0.41	-0.41	65	-0.36	-0.36	-0.36
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
24	2	-0.29	-0.31	-0.31	21	-0.29	-0.33	-0.33	53	-0.27	-0.30	-0.30
	70	-0.21	-0.23	-0.23	72	-0.20	-0.22	-0.22	73	-0.20	-0.21	-0.21
25	2	-0.37	-0.36	-0.37	33	-0.57	-0.55	-0.57	65	-0.48	-0.46	-0.48
	70	-0.27	-0.26	-0.27	72	-0.26	-0.25	-0.26	73	-0.26	-0.25	-0.26
26	2	-0.34	-0.34	-0.34	29	-0.44	-0.43	-0.44	61	-0.38	-0.37	-0.38

	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
27	2	-0.31	-0.29	-0.31	25	-0.33	-0.30	-0.33	57	-0.30	-0.27	-0.30
	70	-0.23	-0.21	-0.23	72	-0.22	-0.21	-0.22	73	-0.22	-0.20	-0.22
28	2	-0.35	-0.34	-0.35	29	-0.41	-0.40	-0.41	61	-0.36	-0.35	-0.36
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
29	2	-0.35	-0.33	-0.35	29	-0.43	-0.38	-0.43	61	-0.37	-0.34	-0.37
	70	-0.25	-0.24	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.23	-0.24
30	2	-0.34	-0.34	-0.34	25	-0.39	-0.40	-0.40	57	-0.35	-0.35	-0.35
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.24	-0.24
31	2	-0.31	-0.33	-0.33	21	-0.33	-0.38	-0.38	53	-0.30	-0.33	-0.33
	70	-0.23	-0.24	-0.24	72	-0.22	-0.23	-0.23	73	-0.21	-0.23	-0.23
32	2	-0.34	-0.34	-0.34	29	-0.44	-0.44	-0.44	61	-0.38	-0.38	-0.38
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
33	2	-0.34	-0.35	-0.35	29	-0.41	-0.41	-0.41	61	-0.36	-0.36	-0.36
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
34	2	-0.34	-0.34	-0.34	25	-0.39	-0.39	-0.39	57	-0.34	-0.35	-0.35
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
35	2	-0.34	-0.34	-0.34	33	-0.45	-0.45	-0.45	65	-0.38	-0.38	-0.38
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
36	2	-0.34	-0.35	-0.35	33	-0.41	-0.41	-0.41	65	-0.36	-0.36	-0.36
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
37	2	-0.27	-0.29	-0.29	21	-0.26	-0.29	-0.29	53	-0.24	-0.27	-0.27
	70	-0.20	-0.21	-0.21	72	-0.19	-0.20	-0.20	73	-0.19	-0.20	-0.20
38	2	-0.34	-0.34	-0.34	21	-0.39	-0.40	-0.40	53	-0.35	-0.35	-0.35
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.24	-0.24
39	2	-0.33	-0.32	-0.33	29	-0.38	-0.33	-0.38	61	-0.34	-0.30	-0.34
	70	-0.24	-0.23	-0.24	72	-0.24	-0.23	-0.24	73	-0.23	-0.23	-0.23
40	2	-0.34	-0.34	-0.34	29	-0.45	-0.44	-0.45	61	-0.38	-0.38	-0.38
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
41	2	-0.34	-0.34	-0.34	33	-0.40	-0.41	-0.41	65	-0.35	-0.36	-0.36
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
42	2	-0.34	-0.34	-0.34	25	-0.38	-0.39	-0.39	57	-0.34	-0.34	-0.34
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
43	2	-0.34	-0.34	-0.34	33	-0.45	-0.45	-0.45	65	-0.39	-0.38	-0.39
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
44	2	-0.34	-0.34	-0.34	33	-0.40	-0.41	-0.41	65	-0.35	-0.36	-0.36
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
45	2	-0.29	-0.27	-0.29	25	-0.30	-0.26	-0.30	57	-0.27	-0.24	-0.27
	70	-0.21	-0.20	-0.21	72	-0.21	-0.19	-0.21	73	-0.20	-0.19	-0.20
46	2	-0.34	-0.34	-0.34	29	-0.39	-0.39	-0.39	61	-0.34	-0.34	-0.34
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
47	2	-0.32	-0.31	-0.32	9	-0.34	-0.32	-0.34	41	-0.31	-0.29	-0.31
	70	-0.23	-0.23	-0.23	72	-0.23	-0.22	-0.23	73	-0.23	-0.22	-0.23
48	2	-0.34	-0.34	-0.34	29	-0.45	-0.45	-0.45	61	-0.39	-0.38	-0.39
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
49	2	-0.34	-0.34	-0.34	33	-0.40	-0.40	-0.40	65	-0.35	-0.35	-0.35
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.24	-0.24
50	2	-0.34	-0.34	-0.34	33	-0.39	-0.39	-0.39	65	-0.34	-0.34	-0.34
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
51	2	-0.34	-0.34	-0.34	33	-0.46	-0.45	-0.46	65	-0.39	-0.39	-0.39
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
52	2	-0.34	-0.34	-0.34	33	-0.40	-0.40	-0.40	65	-0.35	-0.35	-0.35
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.24	-0.24
53	2	-0.34	-0.34	-0.34	29	-0.39	-0.39	-0.39	61	-0.35	-0.34	-0.35
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
54	2	-0.27	-0.26	-0.27	25	-0.26	-0.23	-0.26	57	-0.24	-0.22	-0.24
	70	-0.20	-0.19	-0.20	72	-0.19	-0.19	-0.19	73	-0.19	-0.18	-0.19
55	2	-0.34	-0.34	-0.34	21	-0.39	-0.39	-0.39	53	-0.34	-0.35	-0.35
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
56	2	-0.31	-0.31	-0.31	9	-0.32	-0.31	-0.32	41	-0.29	-0.28	-0.29
	70	-0.23	-0.23	-0.23	72	-0.22	-0.22	-0.22	73	-0.22	-0.22	-0.22
57	2	-0.34	-0.34	-0.34	29	-0.46	-0.45	-0.46	61	-0.39	-0.39	-0.39
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
58	2	-0.33	-0.34	-0.34	33	-0.40	-0.40	-0.40	65	-0.35	-0.35	-0.35
	70	-0.24	-0.25	-0.25	72	-0.23	-0.24	-0.24	73	-0.23	-0.23	-0.23
59	2	-0.34	-0.34	-0.34	33	-0.39	-0.39	-0.39	65	-0.35	-0.34	-0.35
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
60	2	-0.34	-0.34	-0.34	33	-0.47	-0.46	-0.47	65	-0.40	-0.39	-0.40
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
61	2	-0.33	-0.34	-0.34	33	-0.40	-0.40	-0.40	65	-0.35	-0.35	-0.35
	70	-0.24	-0.25	-0.25	72	-0.23	-0.24	-0.24	73	-0.23	-0.23	-0.23
62	2	-0.34	-0.34	-0.34	29	-0.40	-0.39	-0.40	61	-0.35	-0.35	-0.35
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.23	-0.24
63	2	-0.34	-0.34	-0.34	21	-0.38	-0.39	-0.39	53	-0.34	-0.34	-0.34
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.23	-0.23
64	2	-0.26	-0.25	-0.26	25	-0.23	-0.21	-0.23	57	-0.22	-0.20	-0.22
	70	-0.19	-0.19	-0.19	72	-0.19	-0.18	-0.19	73	-0.18	-0.18	-0.18

65	2	-0.31	-0.31	-0.31	9	-0.31	-0.31	-0.31	41	-0.28	-0.28	-0.28
	70	-0.23	-0.23	-0.23	72	-0.22	-0.22	-0.22	73	-0.22	-0.22	-0.22
66	2	-0.34	-0.34	-0.34	29	-0.47	-0.46	-0.47	61	-0.40	-0.39	-0.40
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.23	-0.24
67	2	-0.33	-0.33	-0.33	33	-0.40	-0.40	-0.40	65	-0.35	-0.35	-0.35
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
68	2	-0.34	-0.34	-0.34	33	-0.40	-0.39	-0.40	65	-0.35	-0.35	-0.35
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.23	-0.24
69	2	-0.34	-0.34	-0.34	33	-0.48	-0.47	-0.48	65	-0.41	-0.40	-0.41
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.23	-0.24
70	2	-0.33	-0.33	-0.33	33	-0.40	-0.40	-0.40	65	-0.35	-0.35	-0.35
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
71	2	-0.34	-0.34	-0.34	29	-0.40	-0.40	-0.40	61	-0.35	-0.35	-0.35
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
72	2	-0.25	-0.25	-0.25	25	-0.21	-0.19	-0.21	57	-0.20	-0.18	-0.20
	70	-0.19	-0.18	-0.19	72	-0.18	-0.18	-0.18	73	-0.18	-0.18	-0.18
73	2	-0.31	-0.31	-0.31	17	-0.31	-0.32	-0.32	49	-0.28	-0.29	-0.29
	70	-0.23	-0.23	-0.23	72	-0.22	-0.22	-0.22	73	-0.22	-0.22	-0.22
74	2	-0.34	-0.34	-0.34	29	-0.49	-0.47	-0.49	61	-0.42	-0.40	-0.42
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
75	2	-0.33	-0.33	-0.33	33	-0.41	-0.40	-0.41	65	-0.35	-0.35	-0.35
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
76	2	-0.34	-0.34	-0.34	33	-0.41	-0.40	-0.41	65	-0.36	-0.35	-0.36
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
77	2	-0.34	-0.34	-0.34	33	-0.50	-0.48	-0.50	65	-0.42	-0.41	-0.42
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
78	2	-0.33	-0.33	-0.33	33	-0.41	-0.40	-0.41	65	-0.35	-0.35	-0.35
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
79	2	-0.25	-0.25	-0.25	25	-0.19	-0.18	-0.19	57	-0.18	-0.18	-0.18
	70	-0.18	-0.18	-0.18	72	-0.18	-0.18	-0.18	73	-0.18	-0.18	-0.18
80	2	-0.31	-0.32	-0.32	17	-0.32	-0.35	-0.35	49	-0.29	-0.31	-0.31
	70	-0.23	-0.23	-0.23	72	-0.22	-0.23	-0.23	73	-0.22	-0.23	-0.23
81	2	-0.35	-0.34	-0.35	29	-0.51	-0.49	-0.51	61	-0.43	-0.42	-0.43
	70	-0.26	-0.25	-0.26	72	-0.25	-0.24	-0.25	73	-0.24	-0.24	-0.24
82	2	-0.33	-0.33	-0.33	33	-0.41	-0.41	-0.41	65	-0.36	-0.35	-0.36
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
83	2	-0.35	-0.34	-0.35	33	-0.52	-0.50	-0.52	65	-0.44	-0.42	-0.44
	70	-0.26	-0.25	-0.26	72	-0.25	-0.24	-0.25	73	-0.24	-0.24	-0.24
84	2	-0.33	-0.33	-0.33	33	-0.41	-0.41	-0.41	65	-0.36	-0.35	-0.36
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
85	2	-0.25	-0.25	-0.25	21	-0.19	-0.21	-0.21	53	-0.18	-0.20	-0.20
	70	-0.18	-0.19	-0.19	72	-0.18	-0.18	-0.18	73	-0.18	-0.18	-0.18
86	2	-0.32	-0.33	-0.33	33	-0.33	-0.38	-0.38	65	-0.30	-0.33	-0.33
	70	-0.23	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
87	2	-0.36	-0.35	-0.36	29	-0.54	-0.51	-0.54	61	-0.45	-0.43	-0.45
	70	-0.26	-0.26	-0.26	72	-0.25	-0.25	-0.25	73	-0.25	-0.24	-0.25
88	2	-0.33	-0.33	-0.33	33	-0.42	-0.41	-0.42	65	-0.37	-0.36	-0.37
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
89	2	-0.36	-0.35	-0.36	33	-0.55	-0.52	-0.55	65	-0.46	-0.44	-0.46
	70	-0.26	-0.26	-0.26	72	-0.25	-0.25	-0.25	73	-0.25	-0.24	-0.25
90	2	-0.33	-0.33	-0.33	33	-0.42	-0.41	-0.42	65	-0.37	-0.36	-0.37
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
91	2	-0.25	-0.26	-0.26	21	-0.21	-0.23	-0.23	53	-0.20	-0.22	-0.22
	70	-0.19	-0.19	-0.19	72	-0.18	-0.19	-0.19	73	-0.18	-0.18	-0.18
92	2	-0.33	-0.34	-0.34	33	-0.38	-0.43	-0.43	65	-0.33	-0.37	-0.37
	70	-0.24	-0.25	-0.25	72	-0.23	-0.24	-0.24	73	-0.23	-0.24	-0.24
93	2	-0.37	-0.36	-0.37	29	-0.57	-0.54	-0.57	61	-0.47	-0.45	-0.47
	70	-0.27	-0.26	-0.27	72	-0.26	-0.25	-0.26	73	-0.26	-0.25	-0.26
94	2	-0.34	-0.33	-0.34	33	-0.44	-0.42	-0.44	65	-0.37	-0.37	-0.37
	70	-0.25	-0.24	-0.25	72	-0.24	-0.23	-0.24	73	-0.23	-0.23	-0.23
95	2	-0.34	-0.33	-0.34	33	-0.43	-0.42	-0.43	65	-0.37	-0.37	-0.37
	70	-0.25	-0.24	-0.25	72	-0.24	-0.23	-0.24	73	-0.23	-0.23	-0.23
96	2	-0.26	-0.27	-0.27	21	-0.23	-0.26	-0.26	53	-0.22	-0.24	-0.24
	70	-0.19	-0.20	-0.20	72	-0.19	-0.19	-0.19	73	-0.18	-0.19	-0.19
97	2	-0.34	-0.36	-0.36	33	-0.43	-0.49	-0.49	65	-0.37	-0.42	-0.42
	70	-0.25	-0.26	-0.26	72	-0.24	-0.25	-0.25	73	-0.24	-0.25	-0.25
98	2	-0.36	-0.38	-0.38	33	-0.49	-0.57	-0.57	65	-0.42	-0.48	-0.48
	70	-0.26	-0.28	-0.28	72	-0.25	-0.27	-0.27	73	-0.25	-0.26	-0.26
116	2	-0.34	-0.34	-0.34	25	-0.40	-0.40	-0.40	57	-0.35	-0.35	-0.35
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.23	-0.24
117	2	-0.33	-0.33	-0.33	25	-0.42	-0.41	-0.42	57	-0.36	-0.36	-0.36
	70	-0.25	-0.24	-0.25	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
118	2	-0.34	-0.34	-0.34	21	-0.46	-0.46	-0.46	53	-0.39	-0.39	-0.39
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
119	2	-0.38	-0.36	-0.38	21	-0.56	-0.49	-0.56	53	-0.47	-0.42	-0.47
	70	-0.28	-0.26	-0.28	72	-0.27	-0.25	-0.27	73	-0.26	-0.25	-0.26
120	2	-0.34	-0.34	-0.34	25	-0.46	-0.47	-0.47	57	-0.39	-0.40	-0.40

	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
121	2	-0.33	-0.33	-0.33	21	-0.41	-0.41	-0.41	53	-0.36	-0.36	-0.36
	70	-0.25	-0.24	-0.25	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
122	2	-0.34	-0.34	-0.34	21	-0.40	-0.40	-0.40	53	-0.35	-0.35	-0.35
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.23	-0.24
123	2	-0.33	-0.33	-0.33	25	-0.41	-0.42	-0.42	57	-0.36	-0.36	-0.36
	70	-0.24	-0.25	-0.25	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
124	2	-0.34	-0.34	-0.34	21	-0.44	-0.46	-0.46	53	-0.38	-0.39	-0.39
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.24	-0.24
125	2	-0.37	-0.38	-0.38	21	-0.56	-0.59	-0.59	53	-0.47	-0.49	-0.49
	70	-0.27	-0.28	-0.28	72	-0.26	-0.27	-0.27	73	-0.26	-0.27	-0.27
126	2	-0.36	-0.34	-0.36	21	-0.49	-0.43	-0.49	53	-0.42	-0.37	-0.42
	70	-0.26	-0.25	-0.26	72	-0.25	-0.24	-0.25	73	-0.25	-0.24	-0.25
127	2	-0.37	-0.38	-0.38	25	-0.56	-0.60	-0.60	57	-0.47	-0.50	-0.50
	70	-0.27	-0.28	-0.28	72	-0.26	-0.27	-0.27	73	-0.26	-0.27	-0.27
128	2	-0.33	-0.33	-0.33	25	-0.42	-0.43	-0.43	57	-0.36	-0.37	-0.37
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
129	2	-0.33	-0.33	-0.33	21	-0.40	-0.40	-0.40	53	-0.35	-0.35	-0.35
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
130	2	-0.33	-0.33	-0.33	25	-0.41	-0.41	-0.41	57	-0.35	-0.36	-0.36
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
131	2	-0.33	-0.34	-0.34	25	-0.43	-0.44	-0.44	57	-0.37	-0.38	-0.38
	70	-0.24	-0.25	-0.25	72	-0.23	-0.24	-0.24	73	-0.23	-0.23	-0.23
132	2	-0.36	-0.37	-0.37	21	-0.53	-0.56	-0.56	53	-0.45	-0.47	-0.47
	70	-0.26	-0.27	-0.27	72	-0.25	-0.26	-0.26	73	-0.25	-0.26	-0.26
133	2	-0.35	-0.36	-0.36	25	-0.52	-0.54	-0.54	57	-0.44	-0.45	-0.45
	70	-0.26	-0.26	-0.26	72	-0.25	-0.25	-0.25	73	-0.25	-0.25	-0.25
134	2	-0.33	-0.33	-0.33	25	-0.42	-0.42	-0.42	57	-0.36	-0.36	-0.36
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
135	2	-0.33	-0.33	-0.33	21	-0.39	-0.40	-0.40	53	-0.34	-0.35	-0.35
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
136	2	-0.33	-0.34	-0.34	25	-0.38	-0.43	-0.43	57	-0.34	-0.37	-0.37
	70	-0.24	-0.25	-0.25	72	-0.23	-0.24	-0.24	73	-0.23	-0.24	-0.24
137	2	-0.34	-0.34	-0.34	25	-0.45	-0.46	-0.46	57	-0.38	-0.39	-0.39
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.23	-0.24	-0.24
138	2	-0.33	-0.33	-0.33	21	-0.41	-0.41	-0.41	53	-0.35	-0.36	-0.36
	70	-0.24	-0.25	-0.25	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
139	2	-0.33	-0.33	-0.33	25	-0.40	-0.41	-0.41	57	-0.35	-0.35	-0.35
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
140	2	-0.33	-0.33	-0.33	25	-0.42	-0.43	-0.43	57	-0.36	-0.37	-0.37
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
141	2	-0.35	-0.36	-0.36	21	-0.51	-0.53	-0.53	53	-0.43	-0.45	-0.45
	70	-0.26	-0.26	-0.26	72	-0.25	-0.25	-0.25	73	-0.25	-0.25	-0.25
142	2	-0.35	-0.35	-0.35	25	-0.50	-0.52	-0.52	57	-0.42	-0.44	-0.44
	70	-0.25	-0.26	-0.26	72	-0.24	-0.25	-0.25	73	-0.24	-0.25	-0.25
143	2	-0.33	-0.33	-0.33	25	-0.41	-0.42	-0.42	57	-0.36	-0.36	-0.36
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
144	2	-0.33	-0.33	-0.33	21	-0.39	-0.39	-0.39	53	-0.34	-0.34	-0.34
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
145	2	-0.34	-0.33	-0.34	21	-0.43	-0.38	-0.43	53	-0.37	-0.34	-0.37
	70	-0.25	-0.24	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.23	-0.24
146	2	-0.33	-0.34	-0.34	25	-0.43	-0.45	-0.45	57	-0.37	-0.38	-0.38
	70	-0.24	-0.25	-0.25	72	-0.23	-0.24	-0.24	73	-0.23	-0.23	-0.23
147	2	-0.33	-0.33	-0.33	21	-0.40	-0.41	-0.41	53	-0.35	-0.35	-0.35
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
148	2	-0.36	-0.37	-0.37	25	-0.54	-0.56	-0.56	57	-0.45	-0.47	-0.47
	70	-0.26	-0.27	-0.27	72	-0.25	-0.26	-0.26	73	-0.25	-0.26	-0.26
149	2	-0.34	-0.36	-0.36	25	-0.43	-0.49	-0.49	57	-0.37	-0.42	-0.42
	70	-0.25	-0.26	-0.26	72	-0.24	-0.25	-0.25	73	-0.24	-0.25	-0.25
150	2	-0.33	-0.33	-0.33	25	-0.40	-0.40	-0.40	57	-0.35	-0.35	-0.35
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
151	2	-0.33	-0.33	-0.33	25	-0.42	-0.42	-0.42	57	-0.36	-0.36	-0.36
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
152	2	-0.35	-0.35	-0.35	21	-0.49	-0.51	-0.51	53	-0.42	-0.43	-0.43
	70	-0.25	-0.26	-0.26	72	-0.24	-0.25	-0.25	73	-0.24	-0.25	-0.25
153	2	-0.34	-0.35	-0.35	25	-0.49	-0.50	-0.50	57	-0.41	-0.42	-0.42
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
154	2	-0.33	-0.33	-0.33	25	-0.41	-0.41	-0.41	57	-0.36	-0.36	-0.36
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
155	2	-0.33	-0.33	-0.33	21	-0.39	-0.39	-0.39	53	-0.35	-0.34	-0.35
	70	-0.25	-0.24	-0.25	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
156	2	-0.33	-0.32	-0.33	21	-0.38	-0.34	-0.38	53	-0.34	-0.30	-0.34
	70	-0.24	-0.23	-0.24	72	-0.24	-0.23	-0.24	73	-0.23	-0.23	-0.23
157	2	-0.36	-0.38	-0.38	25	-0.49	-0.57	-0.57	57	-0.42	-0.48	-0.48
	70	-0.26	-0.28	-0.28	72	-0.25	-0.27	-0.27	73	-0.25	-0.26	-0.26
158	2	-0.33	-0.33	-0.33	25	-0.39	-0.40	-0.40	57	-0.35	-0.35	-0.35
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23

159	2	-0.33	-0.33	-0.33	25	-0.41	-0.42	-0.42	57	-0.36	-0.36	-0.36
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
160	2	-0.34	-0.35	-0.35	21	-0.48	-0.49	-0.49	53	-0.41	-0.42	-0.42
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
161	2	-0.34	-0.34	-0.34	25	-0.48	-0.49	-0.49	57	-0.40	-0.41	-0.41
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
162	2	-0.33	-0.33	-0.33	25	-0.41	-0.41	-0.41	57	-0.36	-0.36	-0.36
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
163	2	-0.34	-0.33	-0.34	21	-0.40	-0.39	-0.40	53	-0.35	-0.35	-0.35
	70	-0.25	-0.25	-0.25	72	-0.24	-0.23	-0.24	73	-0.23	-0.23	-0.23
164	2	-0.32	-0.31	-0.32	5	-0.35	-0.33	-0.35	37	-0.31	-0.30	-0.31
	70	-0.23	-0.23	-0.23	72	-0.23	-0.22	-0.23	73	-0.23	-0.22	-0.23
165	2	-0.33	-0.33	-0.33	25	-0.40	-0.39	-0.40	57	-0.35	-0.35	-0.35
	70	-0.25	-0.24	-0.25	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
166	2	-0.33	-0.33	-0.33	25	-0.41	-0.41	-0.41	57	-0.36	-0.36	-0.36
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
167	2	-0.34	-0.34	-0.34	21	-0.47	-0.48	-0.48	53	-0.40	-0.41	-0.41
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
168	2	-0.34	-0.34	-0.34	25	-0.47	-0.48	-0.48	57	-0.40	-0.40	-0.40
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
169	2	-0.31	-0.31	-0.31	5	-0.33	-0.32	-0.33	37	-0.30	-0.29	-0.30
	70	-0.23	-0.23	-0.23	72	-0.22	-0.22	-0.22	73	-0.22	-0.22	-0.22
170	2	-0.34	-0.33	-0.34	25	-0.40	-0.40	-0.40	57	-0.35	-0.35	-0.35
	70	-0.25	-0.25	-0.25	72	-0.24	-0.23	-0.24	73	-0.23	-0.23	-0.23
171	2	-0.33	-0.33	-0.33	25	-0.41	-0.41	-0.41	57	-0.36	-0.36	-0.36
	70	-0.24	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23
172	2	-0.34	-0.34	-0.34	21	-0.46	-0.47	-0.47	53	-0.39	-0.40	-0.40
	70	-0.25	-0.25	-0.25	72	-0.24	-0.24	-0.24	73	-0.24	-0.24	-0.24
173	2	-0.31	-0.31	-0.31	5	-0.32	-0.32	-0.32	37	-0.29	-0.29	-0.29
	70	-0.23	-0.23	-0.23	72	-0.22	-0.22	-0.22	73	-0.22	-0.22	-0.22
174	2	-0.31	-0.31	-0.31	13	-0.31	-0.33	-0.33	45	-0.29	-0.30	-0.30
	70	-0.23	-0.23	-0.23	72	-0.22	-0.22	-0.22	73	-0.22	-0.22	-0.22
175	2	-0.31	-0.32	-0.32	13	-0.33	-0.36	-0.36	45	-0.30	-0.32	-0.32
	70	-0.23	-0.23	-0.23	72	-0.22	-0.23	-0.23	73	-0.22	-0.23	-0.23
176	2	-0.32	-0.33	-0.33	13	-0.36	-0.38	-0.38	45	-0.32	-0.34	-0.34
	70	-0.23	-0.24	-0.24	72	-0.23	-0.23	-0.23	73	-0.23	-0.23	-0.23

Elem.		**Pt ini**	**Pt fin**	**Pt max**		**Pt ini**	**Pt fin**	**Pt max**		**Pt ini**	**Pt fin**	**Pt max**
		-0.60										
		-0.18										

RISULTATI ELEMENTI TIPO TRAVE

LEGENDA RISULTATI ELEMENTI TIPO TRAVE

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

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

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

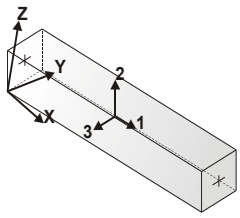
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

Pilas.	numero dell'elemento pilastro
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.



orientamento elementi 2D non verticali

orientamento elementi 2D verticali

Pilas.	CDC	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	0.27	5.13	-6.64e-06	0.0	0.0	-28.89	0.09	1.56	2.36e-04	-0.34	-0.06
		-0.06	-0.34	-1.33e-04	0.0	175.0	-23.64	0.09	1.56	2.36e-04	2.40	0.11
						350.0	-18.39	0.09	1.56	2.36e-04	5.13	0.27
1	6	100.09	2.13	5.36e-03	0.0	0.0	2.48	-54.01	1.56	-1.24	-3.34	100.09
		-88.93	-3.34	-4.65e-04	0.0	175.0	2.48	-54.01	1.56	-1.24	-0.61	5.58
						350.0	2.48	-54.01	1.56	-1.24	2.13	-88.93
1	9	21.84	76.22	1.01e-03	0.0	0.0	27.22	-11.87	-35.27	2.70	76.22	21.84
		-19.72	-47.21	0.01	0.0	175.0	27.22	-11.87	-35.27	2.70	14.51	1.06
						350.0	27.22	-11.87	-35.27	2.70	-47.21	-19.72
2	1	6.58	0.05	-1.08e-04	0.0	0.0	-28.57	1.73	0.02	-1.13e-04	-0.02	0.53
		0.53	-0.02	5.50e-06	0.0	175.0	-23.32	1.73	0.02	-1.13e-04	0.02	3.55
						350.0	-18.07	1.73	0.02	-1.13e-04	0.05	6.58
2	6	1.39	65.29	1.35e-04	0.0	0.0	0.73	-0.60	38.06	-1.25	-67.91	1.39
		-0.71	-67.91	-5.36e-03	0.0	175.0	0.73	-0.60	38.06	-1.25	-1.31	0.34
						350.0	0.73	-0.60	38.06	-1.25	65.29	-0.71
2	8	112.59	11.20	0.01	0.0	0.0	25.61	-48.50	-6.30	-2.03	11.20	112.59
		-57.16	-10.86	7.51e-04	0.0	175.0	25.61	-48.50	-6.30	-2.03	0.17	27.71
						350.0	25.61	-48.50	-6.30	-2.03	-10.86	-57.16
3	1	-0.53	0.05	1.08e-04	0.0	0.0	-28.57	-1.73	0.02	4.52e-06	-0.02	-0.53
		-6.58	-0.02	5.46e-06	0.0	175.0	-23.32	-1.73	0.02	4.52e-06	0.02	-3.56
						350.0	-18.07	-1.73	0.02	4.52e-06	0.05	-6.58
3	7	0.73	65.29	-1.37e-04	0.0	0.0	0.74	0.62	38.05	1.28	-67.89	-1.42
		-1.42	-67.89	-5.36e-03	0.0	175.0	0.74	0.62	38.05	1.28	-1.30	-0.35
						350.0	0.74	0.62	38.05	1.28	65.29	0.73
3	8	112.56	10.84	0.01	0.0	0.0	-25.62	-48.48	6.29	-2.03	-11.19	112.56
		-57.13	-11.19	-7.49e-04	0.0	175.0	-25.62	-48.48	6.29	-2.03	-0.17	27.71
						350.0	-25.62	-48.48	6.29	-2.03	10.84	-57.13
4	1	0.27	0.34	-6.57e-06	0.0	0.0	-28.89	0.09	-1.56	-7.05e-04	0.34	-0.06
		-0.06	-5.13	1.33e-04	0.0	175.0	-23.64	0.09	-1.56	-7.05e-04	-2.40	0.11
						350.0	-18.39	0.09	-1.56	-7.05e-04	-5.13	0.27
4	7	100.56	3.43	5.36e-03	0.0	0.0	2.56	-54.18	-1.60	1.26	3.43	100.56
		-89.06	-2.17	4.75e-04	0.0	175.0	2.56	-54.18	-1.60	1.26	0.63	5.75
						350.0	2.56	-54.18	-1.60	1.26	-2.17	-89.06
4	9	19.63	76.62	-9.99e-04	0.0	0.0	-27.23	11.85	-35.40	2.70	76.62	-21.83
		-21.83	-47.28	0.01	0.0	175.0	-27.23	11.85	-35.40	2.70	14.67	-1.10
						350.0	-27.23	11.85	-35.40	2.70	-47.28	19.63
5	1	1.38	0.27	-1.10e-05	0.0	0.0	-31.69	0.70	-1.52	-1.02e-03	0.27	-1.08
		-1.08	-5.05	1.32e-04	0.0	175.0	-26.44	0.70	-1.52	-1.02e-03	-2.39	0.15
						350.0	-21.19	0.70	-1.52	-1.02e-03	-5.05	1.38
5	4	2.55	0.26	-1.17e-05	0.0	0.0	-1.40	1.48	0.60	-3.86e-04	-1.85	-2.63
		-2.63	-1.85	4.48e-05	0.0	175.0	-1.40	1.48	0.60	-3.86e-04	-0.79	-0.04
						350.0	-1.40	1.48	0.60	-3.86e-04	0.26	2.55
5	7	92.96	8.47	5.36e-03	0.0	0.0	-5.52	-50.16	-3.95	1.25	8.47	92.96
		-82.59	-5.35	1.15e-03	0.0	175.0	-5.52	-50.16	-3.95	1.25	1.56	5.19
						350.0	-5.52	-50.16	-3.95	1.25	-5.35	-82.59
5	9	24.84	84.39	-9.59e-04	0.0	0.0	-31.24	14.85	-39.45	2.56	84.39	-27.12
		-27.12	-53.69	0.01	0.0	175.0	-31.24	14.85	-39.45	2.56	15.35	-1.14
						350.0	-31.24	14.85	-39.45	2.56	-53.69	24.84
14	4	0.23	3.18	2.66e-05	0.0	0.0	1.43	0.61	-1.63	-8.36e-04	3.18	-1.91
		-1.91	-2.53	-3.16e-05	0.0	175.0	1.43	0.61	-1.63	-8.36e-04	0.33	-0.84
						350.0	1.43	0.61	-1.63	-8.36e-04	-2.53	0.23
14	7	-16.54	40.04	1.84e-03	0.0	0.0	-24.86	-11.49	24.33	1.13	-45.12	-23.82
		-23.82	-45.12	-5.36e-03	0.0	175.0	-24.86	-11.49	24.33	1.13	-2.54	-20.18
						350.0	-24.86	-11.49	24.33	1.13	40.04	-16.54
14	9	142.82	19.05	0.01	0.0	0.0	-40.14	-71.19	-9.99	2.25	19.05	142.82
		-106.34	-15.91	9.36e-04	0.0	175.0	-40.14	-71.19	-9.99	2.25	1.57	18.24
						350.0	-40.14	-71.19	-9.99	2.25	-15.91	-106.34
15	6	23.29	39.98	-1.80e-03	0.0	0.0	-24.87	11.24	24.27	-1.11	-44.98	23.29
		16.22	-44.98	-5.36e-03	0.0	175.0	-24.87	11.24	24.27	-1.11	-2.50	19.76
						350.0	-24.87	11.24	24.27	-1.11	39.98	16.22
15	7	20.50	36.98	1.81e-03	0.0	0.0	-28.05	-10.36	22.44	1.15	-41.55	20.50
		-15.95	-41.55	-5.11e-03	0.0	175.0	-28.05	-10.36	22.44	1.15	-2.29	2.27
						350.0	-28.05	-10.36	22.44	1.15	36.98	-15.95
15	9	142.27	15.91	0.01	0.0	0.0	40.13	-71.01	9.96	2.25	-18.95	142.27
		-106.26	-18.95	-9.44e-04	0.0	175.0	40.13	-71.01	9.96	2.25	-1.52	18.00
						350.0	40.13	-71.01	9.96	2.25	15.91	-106.26
16	1	1.38	5.05	-1.11e-05	0.0	0.0	-31.69	0.70	1.52	6.05e-04	-0.28	-1.08
		-1.08	-0.28	-1.32e-04	0.0	175.0	-26.44	0.70	1.52	6.05e-04	2.39	0.15
						350.0	-21.19	0.70	1.52	6.05e-04	5.05	1.38
16	6	92.53	5.24	5.36e-03	0.0	0.0	-5.48	-49.99	3.86	-1.23	-8.27	92.53
		-82.43	-8.27	-1.13e-03	0.0	175.0	-5.48	-49.99	3.86	-1.23	-1.52	5.05
						350.0	-5.48	-49.99	3.86	-1.23	5.24	-82.43
16	9	27.10	83.98	9.67e-04	0.0	0.0	31.23	-14.86	-39.32	2.56	83.98	27.10

		-24.90	-53.63	0.01	0.0	175.0	31.23	-14.86	-39.32	2.56	15.18	1.10
						350.0	31.23	-14.86	-39.32	2.56	-53.63	-24.90
101	1	4.77	0.26	-1.03e-04	0.0	0.0	-21.86	0.78	0.50	-1.20e-03	-1.51	2.03
		2.03	-1.51	3.82e-05	0.0	175.0	-16.61	0.78	0.50	-1.20e-03	-0.63	3.40
						350.0	-11.36	0.78	0.50	-1.20e-03	0.26	4.77
101	6	-16.93	39.65	1.90e-03	0.0	0.0	27.13	-11.78	23.95	-1.11	-44.16	-24.47
		-24.47	-44.16	-5.35e-03	0.0	175.0	27.13	-11.78	23.95	-1.11	-2.25	-20.70
						350.0	27.13	-11.78	23.95	-1.11	39.65	-16.93
101	8	130.11	15.06	0.01	0.0	0.0	36.87	-64.91	-7.98	-1.59	15.06	130.11
		-97.06	-12.88	6.68e-04	0.0	175.0	36.87	-64.91	-7.98	-1.59	1.09	16.53
						350.0	36.87	-64.91	-7.98	-1.59	-12.88	-97.06
102	6	21.08	36.71	1.87e-03	0.0	0.0	30.08	-10.62	22.16	-1.13	-40.85	21.08
		-16.32	-40.85	-5.10e-03	0.0	175.0	30.08	-10.62	22.16	-1.13	-2.07	2.38
						350.0	30.08	-10.62	22.16	-1.13	36.71	-16.32
102	7	24.84	39.66	-1.93e-03	0.0	0.0	27.11	11.97	23.95	1.13	-44.16	24.84
		17.23	-44.16	-5.35e-03	0.0	175.0	27.11	11.97	23.95	1.13	-2.25	21.03
						350.0	27.11	11.97	23.95	1.13	39.66	17.23
102	8	130.10	12.87	0.01	0.0	0.0	-36.87	-64.90	7.98	-1.59	-15.06	130.10
		-97.05	-15.06	-6.67e-04	0.0	175.0	-36.87	-64.90	7.98	-1.59	-1.09	16.52
						350.0	-36.87	-64.90	7.98	-1.59	12.87	-97.05
104	1	0.21	5.12	-6.23e-06	-3.39e-03	0.0	-28.27	-0.10	1.54	6.96e-04	-0.29	0.21
		-0.16	-0.29	-1.33e-04	0.0	175.0	-23.02	-0.11	1.54	6.96e-04	2.42	0.03
						350.0	-17.77	-0.11	1.54	6.96e-04	5.12	-0.16
104	6	99.44	4.87	5.35e-03	0.0	0.0	-6.80	-53.81	-2.28	-1.24	4.87	99.44
		-88.90	-3.11	7.21e-04	0.0	175.0	-6.80	-53.81	-2.28	-1.24	0.88	5.27
						350.0	-6.80	-53.81	-2.28	-1.24	-3.11	-88.90
104	8	15.49	75.49	-7.18e-04	0.0	0.0	26.77	9.34	-34.91	-1.93	75.49	-17.20
		-17.20	-46.71	0.01	0.0	175.0	26.77	9.34	-34.91	-1.93	14.39	-0.85
						350.0	26.77	9.34	-34.91	-1.93	-46.71	15.49
105	1	1.05	5.01	-6.91e-06	0.0	0.0	-30.15	-0.68	1.48	-2.78e-04	-0.17	1.05
		-1.33	-0.17	-1.33e-04	0.0	175.0	-24.90	-0.68	1.48	-2.78e-04	2.42	-0.14
						350.0	-19.65	-0.68	1.48	-2.78e-04	5.01	-1.33
105	6	90.57	9.37	5.35e-03	0.0	0.0	7.22	-49.30	-4.37	-1.22	9.37	90.57
		-81.97	-5.93	1.30e-03	0.0	175.0	7.22	-49.30	-4.37	-1.22	1.72	4.30
						350.0	7.22	-49.30	-4.37	-1.22	-5.93	-81.97
105	8	20.21	79.15	-6.86e-04	0.0	0.0	29.41	11.98	-37.07	-1.83	79.15	-21.71
		-21.71	-50.59	0.01	0.0	175.0	29.41	11.98	-37.07	-1.83	14.28	-0.75
						350.0	29.41	11.98	-37.07	-1.83	-50.59	20.21
106	1	0.21	0.29	-6.18e-06	0.0	0.0	-28.26	-0.11	-1.54	-6.41e-05	0.29	0.21
		-0.16	-5.12	1.34e-04	0.0	175.0	-23.01	-0.11	-1.54	-6.41e-05	-2.42	0.02
						350.0	-17.76	-0.11	-1.54	-6.41e-05	-5.12	-0.16
106	4	0.51	0.24	-8.88e-06	0.0	0.0	-0.10	-0.30	0.62	2.71e-04	-1.92	0.51
		-0.53	-1.92	4.72e-05	0.0	175.0	-0.10	-0.30	0.62	2.71e-04	-0.84	-7.98e-03
						350.0	-0.10	-0.30	0.62	2.71e-04	0.24	-0.53
106	7	99.39	3.16	5.35e-03	0.0	0.0	-6.74	-53.79	2.32	1.26	-4.96	99.39
		-88.88	-4.96	-7.34e-04	0.0	175.0	-6.74	-53.79	2.32	1.26	-0.90	5.26
						350.0	-6.74	-53.79	2.32	1.26	3.16	-88.88
106	8	17.18	75.46	7.17e-04	0.0	0.0	-26.76	-9.33	-34.90	-1.93	75.46	17.18
		-15.48	-46.70	0.01	0.0	175.0	-26.76	-9.33	-34.90	-1.93	14.38	0.85
						350.0	-26.76	-9.33	-34.90	-1.93	-46.70	-15.48
115	1	1.05	0.17	-6.87e-06	0.0	0.0	-30.16	-0.68	-1.48	1.63e-04	0.17	1.05
		-1.33	-5.01	1.33e-04	0.0	175.0	-24.91	-0.68	-1.48	1.63e-04	-2.42	-0.14
						350.0	-19.66	-0.68	-1.48	1.63e-04	-5.01	-1.33
115	6	84.71	8.96	5.10e-03	0.0	0.0	9.24	-46.09	-4.25	-1.23	8.96	84.71
		-76.59	-5.92	1.30e-03	0.0	175.0	9.24	-46.09	-4.25	-1.23	1.52	4.06
						350.0	9.24	-46.09	-4.25	-1.23	-5.92	-76.59
115	7	90.52	6.03	5.35e-03	0.0	0.0	7.20	-49.28	4.44	1.24	-9.53	90.52
		-81.94	-9.53	-1.32e-03	0.0	175.0	7.20	-49.28	4.44	1.24	-1.75	4.29
						350.0	7.20	-49.28	4.44	1.24	6.03	-81.94
115	8	21.69	79.13	6.85e-04	0.0	0.0	-29.42	-11.97	-37.06	-1.83	79.13	21.69
		-20.19	-50.59	0.01	0.0	175.0	-29.42	-11.97	-37.06	-1.83	14.27	0.75
						350.0	-29.42	-11.97	-37.06	-1.83	-50.59	-20.19

Pilas.	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**	**N**	**V 2**	**V 3**	**T**
	-106.34	-67.91	-5.36e-03	-3.39e-03	-40.14	-71.19	-39.45	-2.03
	142.82	84.39	0.01	0.0	40.13	14.85	38.06	2.70

Trave	**CDC**	**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
6	3	0.83	2.29e-03	-1.11e-04	-0.98	0.0	-0.29	1.11	1.46e-03	-1.32	-3.15e-03	-1.48
		-1.48	-3.15e-03	0.0	0.0	186.5	-0.29	0.62	1.46e-03	-1.32	-4.32e-04	0.13
						373.0	-0.29	0.13	1.46e-03	-1.32	2.29e-03	0.83
6	7	44.55	0.33	2.82e-04	0.0	0.0	2.65	24.36	0.19	-1.13	-0.36	-46.31
		-46.31	-0.36	-7.33e-04	0.0	186.5	2.65	24.36	0.19	-1.13	-0.01	-0.88
						373.0	2.65	24.36	0.19	-1.13	0.33	44.55
6	8	6.63	0.62	5.16e-05	0.0	0.0	24.07	3.90	-0.37	2.17	0.62	-7.96

		-7.96	-0.78	9.87e-04	0.0	186.5	24.07	3.90	-0.37	2.17	-0.08	-0.66
						373.0	24.07	3.90	-0.37	2.17	-0.78	6.63
6	9	8.91	-0.54	3.28e-04	0.0	0.0	32.96	-5.28	0.34	-2.03	-0.72	8.91
		-10.83	-0.72	-1.34e-03	0.0	186.5	32.96	-5.28	0.34	-2.03	-0.63	-0.96
						373.0	32.96	-5.28	0.34	-2.03	-0.54	-10.83
7	3	0.14	3.07e-04	-5.37e-05	-0.97	0.0	-2.97e-03	0.52	-2.72e-04	-0.99	3.07e-04	-0.39
		-0.39	-7.02e-04	0.0	0.0	185.8	-2.97e-03	0.04	-2.72e-04	-0.99	-1.98e-04	0.14
						371.5	-2.97e-03	-0.45	-2.72e-04	-0.99	-7.02e-04	-0.25
7	7	36.21	0.39	8.51e-04	0.0	0.0	3.14	20.49	0.26	0.80	-0.58	-39.91
		-39.91	-0.58	-7.16e-04	0.0	185.8	3.14	20.49	0.26	0.80	-0.09	-1.85
						371.5	3.14	20.49	0.26	0.80	0.39	36.21
7	8	4.60	1.25	4.47e-04	0.0	0.0	9.41	-2.41	-0.60	2.68	1.25	4.60
		-4.37	-0.99	9.43e-04	0.0	185.8	9.41	-2.41	-0.60	2.68	0.13	0.11
						371.5	9.41	-2.41	-0.60	2.68	-0.99	-4.37
7	9	16.01	-0.58	8.06e-04	0.0	0.0	15.04	-8.66	0.42	0.95	-1.00	16.01
		-16.17	-1.00	-1.30e-03	0.0	185.8	15.04	-8.66	0.42	0.95	-0.79	-0.08
						371.5	15.04	-8.66	0.42	0.95	-0.58	-16.17
8	2	9.81	2.43e-03	-4.80e-04	-26.22	0.0	-1.59	13.11	-8.92e-05	0.0	2.43e-03	-7.24
		-7.25	1.97e-03	0.0	0.0	522.8	-1.59	-13.11	-8.92e-05	0.0	1.97e-03	-7.25
8	7	15.28	0.56	-2.66e-04	0.0	0.0	0.80	5.93	0.21	-0.34	-0.56	-15.75
		-15.75	-0.56	2.76e-04	0.0	522.8	0.80	5.93	0.21	-0.34	0.56	15.28
8	9	106.45	1.26	5.27e-03	0.0	0.0	-0.05	40.74	0.48	0.50	-1.26	-106.53
		-106.53	-1.26	-2.11e-03	0.0	522.8	-0.05	40.74	0.48	0.50	1.26	106.45
9	6	36.13	0.57	8.54e-04	0.0	0.0	3.17	20.45	-0.25	-0.79	0.57	-39.86
		-39.86	-0.38	7.04e-04	0.0	185.8	3.17	20.45	-0.25	-0.79	0.09	-1.86
						371.5	3.17	20.45	-0.25	-0.79	-0.38	36.13
9	7	33.39	0.40	9.57e-04	0.0	0.0	5.93	18.95	0.27	-0.69	-0.59	-37.03
		-37.03	-0.59	-7.17e-04	0.0	185.8	5.93	18.95	0.27	-0.69	-0.10	-1.82
						371.5	5.93	18.95	0.27	-0.69	0.40	33.39
9	8	4.38	1.24	-4.47e-04	0.0	0.0	-9.40	2.41	-0.60	2.66	1.24	-4.61
		-4.61	-0.99	9.43e-04	0.0	185.8	-9.40	2.41	-0.60	2.66	0.13	-0.12
						371.5	-9.40	2.41	-0.60	2.66	-0.99	4.38
9	9	16.19	-0.58	-8.05e-04	0.0	0.0	-15.00	8.67	0.43	0.94	-1.01	-16.01
		-16.01	-1.01	-1.30e-03	0.0	185.8	-15.00	8.67	0.43	0.94	-0.79	0.09
						371.5	-15.00	8.67	0.43	0.94	-0.58	16.19
10	6	44.45	0.35	2.81e-04	0.0	0.0	2.63	24.31	-0.18	1.11	0.35	-46.24
		-46.24	-0.33	7.20e-04	0.0	373.1	2.63	24.31	-0.18	1.11	-0.33	44.45
10	7	41.83	0.34	3.21e-04	0.0	0.0	5.12	22.92	0.19	-1.08	-0.36	-43.71
		-43.71	-0.36	-7.33e-04	0.0	373.1	5.12	22.92	0.19	-1.08	0.34	41.83
10	8	7.96	0.62	-5.14e-05	0.0	0.0	-24.06	-3.90	-0.37	2.16	0.62	7.96
		-6.63	-0.77	9.88e-04	0.0	373.1	-24.06	-3.90	-0.37	2.16	-0.77	-6.63
10	9	10.86	-0.55	-3.28e-04	0.0	0.0	-32.91	5.30	0.34	-2.02	-0.72	-8.94
		-8.94	-0.72	-1.34e-03	0.0	373.1	-32.91	5.30	0.34	-2.02	-0.55	10.86
11	6	32.77	0.44	2.08e-04	0.0	0.0	0.78	23.54	-0.26	1.15	0.44	-44.38
		-44.38	-0.42	6.47e-04	0.0	163.8	0.78	23.54	-0.26	1.15	6.46e-03	-5.80
						327.7	0.78	23.54	-0.26	1.15	-0.42	32.77
11	7	30.87	0.44	2.03e-04	0.0	0.0	1.90	22.20	0.27	-1.18	-0.45	-41.87
		-41.87	-0.45	-6.60e-04	0.0	163.8	1.90	22.20	0.27	-1.18	-8.14e-03	-5.50
						327.7	1.90	22.20	0.27	-1.18	0.44	30.87
11	9	6.19	0.96	-8.83e-05	0.0	0.0	-31.68	4.40	0.64	1.43	-1.14	-8.24
		-8.24	-1.14	-1.20e-03	0.0	163.8	-31.68	4.40	0.64	1.43	-0.09	-1.03
						327.7	-31.68	4.40	0.64	1.43	0.96	6.19
12	2	13.20	-2.12e-04	-1.36e-03	-46.27	0.0	-2.98	23.14	2.77e-05	3.04e-04	-3.57e-04	-17.04
		-17.05	-3.57e-04	0.0	0.0	261.4	-2.98	-5.73e-04	2.77e-05	3.04e-04	-2.85e-04	13.20
						522.8	-2.98	-23.14	2.77e-05	3.04e-04	-2.12e-04	-17.05
12	4	0.24	2.17e-05	-4.00e-05	0.0	0.0	0.25	3.07e-04	-9.23e-06	-1.36e-04	2.17e-05	0.24
		0.24	-2.66e-05	0.0	0.0	261.4	0.25	3.07e-04	-9.23e-06	-1.36e-04	-2.44e-06	0.24
						522.8	0.25	3.07e-04	-9.23e-06	-1.36e-04	-2.66e-05	0.24
12	8	52.28	0.77	2.99e-03	0.0	0.0	5.90e-03	20.00	-0.29	-0.07	0.77	-52.28
		-52.28	-0.77	1.64e-03	0.0	261.4	5.90e-03	20.00	-0.29	-0.07	-6.31e-04	-1.04e-03
						522.8	5.90e-03	20.00	-0.29	-0.07	-0.77	52.28
12	9	50.42	0.92	2.85e-03	0.0	0.0	3.89e-03	19.29	0.35	-0.09	-0.92	-50.43
		-50.43	-0.92	-2.23e-03	0.0	261.4	3.89e-03	19.29	0.35	-0.09	-5.26e-04	-1.23e-03
						522.8	3.89e-03	19.29	0.35	-0.09	0.92	50.42
13	3	1.05	5.63e-03	-1.75e-05	-3.43	0.0	-0.53	1.72	2.20e-03	0.89	-1.57e-03	-0.37
		-0.37	-1.57e-03	0.0	0.0	163.9	-0.53	9.84e-03	2.20e-03	0.89	2.03e-03	1.05
						327.8	-0.53	-1.70	2.20e-03	0.89	5.63e-03	-0.34
13	7	32.73	0.43	2.09e-04	0.0	0.0	0.70	23.53	0.27	-1.18	-0.44	-44.40
		-44.40	-0.44	-6.60e-04	0.0	163.9	0.70	23.53	0.27	-1.18	-6.88e-03	-5.83
						327.8	0.70	23.53	0.27	-1.18	0.43	32.73
13	9	8.21	0.96	8.92e-05	0.0	0.0	31.72	-4.38	0.64	1.43	-1.14	8.21
		-6.15	-1.14	-1.20e-03	0.0	163.9	31.72	-4.38	0.64	1.43	-0.09	1.03
						327.8	31.72	-4.38	0.64	1.43	0.96	-6.15
99	2	15.86	1.77e-03	-1.69e-03	-52.56	0.0	-2.45	26.28	-1.63e-04	-1.87e-05	1.77e-03	-18.49
		-18.49	9.23e-04	0.0	0.0	261.4	-2.45	1.84e-04	-1.63e-04	-1.87e-05	1.35e-03	15.86
						522.8	-2.45	-26.28	-1.63e-04	-1.87e-05	9.23e-04	-18.49
99	4	0.21	6.74e-04	-3.49e-05	0.0	0.0	0.09	9.04e-05	1.56e-05	-2.07e-05	5.93e-04	0.21

		0.21	5.93e-04	0.0	0.0	261.4	0.09	9.04e-05	1.56e-05	-2.07e-05	6.33e-04	0.21
						522.8	0.09	9.04e-05	1.56e-05	-2.07e-05	6.74e-04	0.21
99	9	51.71	1.32	3.66e-03	0.0	0.0	-0.03	19.79	0.51	0.36	-1.32	-51.76
		-51.76	-1.32	-2.13e-03	0.0	261.4	-0.03	19.79	0.51	0.36	6.80e-04	-0.02
						522.8	-0.03	19.79	0.51	0.36	1.32	51.71
100	2	15.16	2.59e-03	-1.63e-03	-49.46	0.0	-2.43	24.73	-1.67e-04	1.17e-03	2.59e-03	-17.17
		-17.17	1.72e-03	0.0	0.0	261.4	-2.43	6.67e-05	-1.67e-04	1.17e-03	2.15e-03	15.16
						522.8	-2.43	-24.73	-1.67e-04	1.17e-03	1.72e-03	-17.17
100	4	0.23	-6.01e-04	-3.88e-05	0.0	0.0	0.06	-4.07e-05	2.60e-06	2.29e-05	-6.14e-04	0.23
		0.23	-6.14e-04	0.0	0.0	261.4	0.06	-4.07e-05	2.60e-06	2.29e-05	-6.07e-04	0.23
						522.8	0.06	-4.07e-05	2.60e-06	2.29e-05	-6.01e-04	0.23
100	9	48.98	1.05	3.02e-03	0.0	0.0	-0.03	18.75	0.40	-0.67	-1.05	-49.02
		-49.02	-1.05	-2.19e-03	0.0	261.4	-0.03	18.75	0.40	-0.67	9.15e-04	-0.02
						522.8	-0.03	18.75	0.40	-0.67	1.05	48.98
103	2	8.84	-1.98e-03	-4.34e-04	-23.36	0.0	-1.48	11.68	-4.17e-05	8.80e-05	-1.98e-03	-6.35
		-6.35	-2.20e-03	0.0	0.0	522.8	-1.48	-11.68	-4.17e-05	8.80e-05	-2.20e-03	-6.35
103	4	0.31	-6.18e-04	-2.06e-05	0.0	0.0	0.30	2.73e-04	6.92e-06	2.96e-05	-6.54e-04	0.30
		0.30	-6.54e-04	0.0	0.0	522.8	0.30	2.73e-04	6.92e-06	2.96e-05	-6.18e-04	0.31
103	8	97.90	0.91	5.14e-03	0.0	0.0	2.12e-03	37.45	-0.35	-0.63	0.91	-97.89
		-97.89	-0.91	1.53e-03	0.0	522.8	2.12e-03	37.45	-0.35	-0.63	-0.91	97.90
103	9	49.13	1.12	3.40e-03	0.0	0.0	1.13e-03	18.79	0.43	-1.55	-1.12	-49.12
		-49.12	-1.12	-2.27e-03	0.0	522.8	1.13e-03	18.79	0.43	-1.55	1.12	49.13
107	2	14.19	-1.42e-03	-1.53e-03	-46.27	0.0	-2.34	23.14	-4.03e-04	1.07e-03	-1.42e-03	-16.05
		-16.05	-3.52e-03	0.0	0.0	261.4	-2.34	-3.68e-04	-4.03e-04	1.07e-03	-2.47e-03	14.19
						522.8	-2.34	-23.14	-4.03e-04	1.07e-03	-3.52e-03	-16.05
107	4	0.23	6.60e-04	-3.79e-05	0.0	0.0	0.07	1.54e-04	3.55e-05	7.30e-05	4.74e-04	0.23
		0.23	4.74e-04	0.0	0.0	261.4	0.07	1.54e-04	3.55e-05	7.30e-05	5.67e-04	0.23
						522.8	0.07	1.54e-04	3.55e-05	7.30e-05	6.60e-04	0.23
107	8	48.52	0.81	3.23e-03	0.0	0.0	1.63e-03	18.56	-0.31	0.35	0.81	-48.52
		-48.52	-0.80	1.59e-03	0.0	261.4	1.63e-03	18.56	-0.31	0.35	2.56e-03	9.97e-04
						522.8	1.63e-03	18.56	-0.31	0.35	-0.80	48.52
107	9	38.67	1.06	2.55e-03	0.0	0.0	5.05e-03	14.79	0.40	-0.75	-1.05	-38.67
		-38.67	-1.05	-2.25e-03	0.0	261.4	5.05e-03	14.79	0.40	-0.75	1.73e-03	3.23e-04
						522.8	5.05e-03	14.79	0.40	-0.75	1.06	38.67
108	6	43.86	0.40	-3.48e-04	0.0	0.0	7.59	23.30	-0.25	1.09	0.40	-32.53
		-32.53	-0.43	6.34e-04	0.0	164.0	7.59	23.30	-0.25	1.09	-0.01	5.66
						327.9	7.59	23.30	-0.25	1.09	-0.43	43.86
108	8	4.59	0.60	1.27e-04	0.0	0.0	-32.28	-3.22	-0.41	-1.37	0.60	4.59
		-5.98	-0.75	8.63e-04	0.0	164.0	-32.28	-3.22	-0.41	-1.37	-0.08	-0.70
						327.9	-32.28	-3.22	-0.41	-1.37	-0.75	-5.98
108	9	10.31	0.88	-1.70e-04	0.0	0.0	-22.84	5.58	0.55	-4.63	-0.94	-8.00
		-8.00	-0.94	-1.16e-03	0.0	164.0	-22.84	5.58	0.55	-4.63	-0.03	1.15
						327.9	-22.84	5.58	0.55	-4.63	0.88	10.31
109	6	46.80	0.34	4.36e-04	0.0	0.0	4.39	28.00	-0.22	1.10	0.34	-44.94
		-44.94	-0.37	6.28e-04	0.0	163.8	4.39	28.00	-0.22	1.10	-0.01	0.93
						327.7	4.39	28.00	-0.22	1.10	-0.37	46.80
109	8	9.27	-0.40	3.00e-04	0.0	0.0	-29.37	-5.02	-0.28	1.32	-0.40	9.27
		-7.21	-0.54	8.34e-04	0.0	163.8	-29.37	-5.02	-0.28	1.32	-0.47	1.03
						327.7	-29.37	-5.02	-0.28	1.32	-0.54	-7.21
109	9	10.22	0.84	5.61e-05	0.0	0.0	-16.69	5.88	0.55	-2.77	-0.95	-9.08
		-9.08	-0.95	-1.09e-03	0.0	163.8	-16.69	5.88	0.55	-2.77	-0.05	0.57
						327.7	-16.69	5.88	0.55	-2.77	0.84	10.22
110	4	2.50	-2.11e-04	-2.31e-04	0.0	0.0	0.72	1.61	5.31e-05	-0.08	-3.87e-04	-2.84
		-2.84	-3.87e-04	0.0	0.0	165.5	0.72	1.61	5.31e-05	-0.08	-2.99e-04	-0.17
						331.0	0.72	1.61	5.31e-05	-0.08	-2.11e-04	2.50
110	6	39.54	0.38	9.06e-04	0.0	0.0	-2.54	22.56	-0.29	-0.74	0.38	-35.12
		-35.12	-0.59	6.22e-04	0.0	165.5	-2.54	22.56	-0.29	-0.74	-0.10	2.21
						331.0	-2.54	22.56	-0.29	-0.74	-0.59	39.54
110	8	13.51	0.71	6.58e-04	0.0	0.0	-12.83	-8.10	0.33	-1.12	-0.40	13.51
		-13.30	-0.40	8.10e-04	0.0	165.5	-12.83	-8.10	0.33	-1.12	0.16	0.10
						331.0	-12.83	-8.10	0.33	-1.12	0.71	-13.30
110	9	6.43	1.61	3.68e-04	0.0	0.0	-6.46	-4.06	0.85	-3.06	-1.21	6.43
		-7.02	-1.21	-9.84e-04	0.0	165.5	-6.46	-4.06	0.85	-3.06	0.20	-0.30
						331.0	-6.46	-4.06	0.85	-3.06	1.61	-7.02
111	3	0.62	9.67e-03	9.56e-05	-0.86	0.0	-0.33	-0.17	-5.73e-03	0.76	9.67e-03	0.62
		-1.34	-9.12e-03	1.03e-06	0.0	163.9	-0.33	-0.60	-5.73e-03	0.76	2.73e-04	-0.01
						327.8	-0.33	-1.03	-5.73e-03	0.76	-9.12e-03	-1.34
111	7	43.90	0.44	-3.51e-04	0.0	0.0	7.46	23.33	0.26	-1.11	-0.41	-32.57
		-32.57	-0.41	-6.44e-04	0.0	163.9	7.46	23.33	0.26	-1.11	0.01	5.67
						327.8	7.46	23.33	0.26	-1.11	0.44	43.90
111	8	5.96	0.60	-1.27e-04	0.0	0.0	32.28	3.22	-0.41	-1.38	0.60	-4.58
		-4.58	-0.76	8.63e-04	0.0	163.9	32.28	3.22	-0.41	-1.38	-0.08	0.69
						327.8	32.28	3.22	-0.41	-1.38	-0.76	5.96
111	9	7.96	0.88	1.70e-04	0.0	0.0	22.88	-5.56	0.55	-4.63	-0.94	7.96
		-10.26	-0.94	-1.15e-03	0.0	163.9	22.88	-5.56	0.55	-4.63	-0.03	-1.15
						327.8	22.88	-5.56	0.55	-4.63	0.88	-10.26
112	6	44.19	0.34	4.75e-04	0.0	0.0	-4.40	26.36	-0.22	1.02	0.34	-42.20

		-42.20	-0.37	6.29e-04	0.0	163.9	-4.40	26.36	-0.22	1.02	-0.01	0.99
						327.8	-4.40	26.36	-0.22	1.02	-0.37	44.19
112	7	46.75	0.37	4.40e-04	0.0	0.0	4.40	27.95	0.22	-1.12	-0.35	-44.88
		-44.88	-0.35	-6.40e-04	0.0	163.9	4.40	27.95	0.22	-1.12	0.01	0.93
						327.8	4.40	27.95	0.22	-1.12	0.37	46.75
112	8	7.19	-0.40	-3.00e-04	0.0	0.0	29.36	5.00	-0.28	1.32	-0.40	-9.25
		-9.25	-0.54	8.35e-04	0.0	163.9	29.36	5.00	-0.28	1.32	-0.47	-1.03
						327.8	29.36	5.00	-0.28	1.32	-0.54	7.19
112	9	9.01	0.84	-5.59e-05	0.0	0.0	16.70	-5.83	0.54	-2.77	-0.94	9.01
		-10.15	-0.94	-1.09e-03	0.0	163.9	16.70	-5.83	0.54	-2.77	-0.05	-0.57
						327.8	16.70	-5.83	0.54	-2.77	0.84	-10.15
113	6	36.75	0.40	9.91e-04	0.0	0.0	-5.28	20.90	-0.30	0.61	0.40	-32.44
		-32.44	-0.60	6.23e-04	0.0	165.5	-5.28	20.90	-0.30	0.61	-0.10	2.15
						331.0	-5.28	20.90	-0.30	0.61	-0.60	36.75
113	7	39.55	0.60	9.02e-04	0.0	0.0	-2.57	22.56	0.30	0.75	-0.39	-35.14
		-35.14	-0.39	-6.34e-04	0.0	165.5	-2.57	22.56	0.30	0.75	0.10	2.21
						331.0	-2.57	22.56	0.30	0.75	0.60	39.55
113	8	13.30	0.71	-6.58e-04	0.0	0.0	12.83	8.10	0.33	-1.12	-0.40	-13.51
		-13.51	-0.40	8.10e-04	0.0	165.5	12.83	8.10	0.33	-1.12	0.16	-0.10
						331.0	12.83	8.10	0.33	-1.12	0.71	13.30
113	9	6.97	1.62	-3.67e-04	0.0	0.0	6.46	4.03	0.85	-3.06	-1.21	-6.38
		-6.38	-1.21	-9.84e-04	0.0	165.5	6.46	4.03	0.85	-3.06	0.20	0.29
						331.0	6.46	4.03	0.85	-3.06	1.62	6.97
114	2	14.05	-1.03e-03	-1.50e-03	-46.49	0.0	-2.28	23.25	-8.58e-06	1.73e-04	-1.03e-03	-16.33
		-16.33	-1.08e-03	0.0	0.0	261.4	-2.28	-4.98e-04	-8.58e-06	1.73e-04	-1.05e-03	14.05
						522.8	-2.28	-23.25	-8.58e-06	1.73e-04	-1.08e-03	-16.33
114	7	5.64	0.49	1.87e-04	0.0	0.0	0.20	-2.14	0.19	-0.21	-0.49	5.64
		-5.58	-0.49	2.78e-04	0.0	261.4	0.20	-2.14	0.19	-0.21	-1.67e-05	0.03
						522.8	0.20	-2.14	0.19	-0.21	0.49	-5.58
114	8	48.73	0.98	3.83e-03	0.0	0.0	2.07e-03	18.64	-0.38	-0.48	0.98	-48.73
		-48.73	-0.99	1.55e-03	0.0	261.4	2.07e-03	18.64	-0.38	-0.48	-3.70e-04	1.12e-03
						522.8	2.07e-03	18.64	-0.38	-0.48	-0.99	48.73

Trave	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**	**N**	**V 2**	**V 3**	**T**
	-106.53	-1.32	-2.27e-03	-52.56	-32.91	-26.28	-0.60	-4.63
	106.45	1.62	5.27e-03	0.0	32.96	40.74	0.85	2.68

Trave f.	**CDC**	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Pt**	**Pos.**	**N**	**V 2**	**V 3**	**T**	**M 2**	**M 3**
		kN m	kN m	m	kN/ m2	cm	kN	kN	kN	kN m	kN m	kN m
17	1	2.36	0.01	2.86e-05	-15.03	0.0	-0.45	-9.10	-0.09	0.66	0.01	2.36
		-1.12	-0.02	0.0		20.0	-0.45	-8.72	-0.09	0.66	-6.63e-03	0.58
						40.0	-0.45	-8.35	-0.09	0.66	-0.02	-1.12
17	4	1.33	-0.01	3.31e-05	-6.96	0.0	-0.90	-0.17	-0.07	-1.02	-0.01	1.33
		0.72	-0.04	0.0		20.0	-0.90	-1.51	-0.07	-1.02	-0.02	1.16
						40.0	-0.90	-2.87	-0.07	-1.02	-0.04	0.72
17	9	-1.56	1.39	1.09e-04	29.20	0.0	16.80	-98.94	6.32	36.10	-1.14	-34.31
		-34.31	-1.14	-2.24e-05		20.0	16.80	-96.89	6.32	36.08	0.13	-14.78
						40.0	16.80	-94.88	6.32	36.06	1.39	-4.73
18	1	2.45	0.02	4.05e-05	-14.97	0.0	0.59	-9.79	0.03	0.68	0.01	2.45
		-1.31	0.01	0.0		20.0	0.59	-9.42	0.03	0.68	0.02	0.53
						40.0	0.59	-9.05	0.03	0.68	0.02	-1.31
18	7	-7.94	0.53	1.68e-03	7.45	0.0	-7.78	-54.11	-2.07	8.48	0.53	-28.19
		-28.19	-0.46	4.71e-06		20.0	-7.78	-53.68	-2.07	8.48	0.03	-17.67
						40.0	-7.78	-53.23	-2.07	8.47	-0.46	-7.94
18	9	-42.62	2.31	4.62e-03	26.41	0.0	38.10	-56.86	-3.68	10.56	2.31	-66.08
		-66.08	0.84	-2.07e-05		20.0	38.10	-58.79	-3.68	10.56	1.57	-54.53
						40.0	38.10	-60.50	-3.68	10.56	0.84	-42.62
19	1	2.34	0.03	-2.85e-05	-15.03	0.0	-0.41	-9.02	0.10	-0.63	-0.01	2.34
		-1.12	-0.01	0.0		20.0	-0.41	-8.64	0.10	-0.63	8.50e-03	0.57
						40.0	-0.41	-8.27	0.10	-0.63	0.03	-1.12
19	7	-13.26	-0.14	1.53e-03	7.06	0.0	11.78	-40.25	-1.61	5.67	-0.14	-28.76
		-28.76	-0.66	-8.10e-06		20.0	11.78	-40.55	-1.61	5.66	-0.40	-20.91
						40.0	11.78	-40.80	-1.61	5.66	-0.66	-13.26
19	9	-1.46	1.35	5.09e-03	29.21	0.0	-11.75	-107.92	5.38	32.33	-0.81	-34.38
		-34.38	-0.81	-2.27e-05		20.0	-11.75	-105.87	5.38	32.32	0.27	-13.05
						40.0	-11.75	-103.86	5.38	32.30	1.35	-8.13
20	4	1.97	8.64e-04	3.04e-05	-3.55	0.0	-0.26	-6.90	3.42e-03	-3.73e-03	-5.06e-04	1.97
		-0.68	-5.06e-04	0.0		20.0	-0.26	-6.63	3.42e-03	-3.73e-03	1.79e-04	0.62
						40.0	-0.26	-6.36	3.42e-03	-3.73e-03	8.64e-04	-0.68
20	7	-0.67	0.36	1.08e-04	0.77	0.0	0.29	-0.81	-0.99	8.04	0.36	-0.82
		-0.82	-0.03	3.15e-06		20.0	0.29	-0.82	-0.99	8.04	0.16	-0.74
						40.0	0.29	-0.83	-0.99	8.04	-0.03	-0.67
20	8	-19.90	0.09	2.63e-03	14.78	0.0	10.36	-60.43	-0.37	0.67	0.09	-44.49
		-44.49	-0.06	1.05e-05		20.0	10.36	-61.53	-0.37	0.67	0.01	-32.29
						40.0	10.36	-62.51	-0.37	0.67	-0.06	-19.90
20	9	-19.10	-0.04	2.51e-03	14.06	0.0	9.80	-58.71	-0.14	0.95	-0.07	-42.98

		-42.98	-0.07	-1.23e-05		20.0	9.80	-59.76	-0.14	0.96	-0.05	-31.14
						40.0	9.80	-60.69	-0.14	0.96	-0.04	-19.10
21	2	4.95	0.08	-2.41e-06	-3.63	0.0	0.16	-10.93	-0.08	1.53	0.08	4.95
		0.69	0.04	0.0		20.0	0.16	-10.65	-0.08	1.53	0.06	2.79
						40.0	0.16	-10.38	-0.08	1.53	0.04	0.69
21	4	-0.22	-0.01	-1.22e-05	-4.47	0.0	-0.76	0.61	-0.04	-0.73	-0.01	-0.24
		-0.62	-0.03	0.0		20.0	-0.76	-0.94	-0.04	-0.73	-0.02	-0.28
						40.0	-0.76	-2.49	-0.04	-0.73	-0.03	-0.62
21	6	-18.06	0.68	3.18e-04	1.90	0.0	12.93	-47.65	1.32	3.88	0.16	-37.06
		-37.06	0.16	6.62e-06		20.0	12.93	-47.67	1.32	3.88	0.42	-27.55
						40.0	12.93	-47.66	1.32	3.88	0.68	-18.06
21	9	-1.85	0.41	5.15e-05	20.05	0.0	20.35	-52.81	2.01	21.34	-0.42	-21.73
		-21.73	-0.42	-1.63e-05		20.0	20.35	-51.39	2.01	21.33	-7.56e-03	-11.36
						40.0	20.35	-49.99	2.01	21.32	0.41	-1.85
22	1	-0.24	0.02	3.92e-05	-14.55	0.0	0.49	-6.05	-0.03	0.92	0.02	-0.24
		-2.52	9.24e-03	0.0		20.0	0.49	-5.71	-0.03	0.92	0.02	-1.41
						40.0	0.49	-5.38	-0.03	0.92	9.24e-03	-2.52
22	7	-4.00	-0.35	1.64e-03	7.45	0.0	-8.73	-34.45	0.30	5.47	-0.46	-15.25
		-15.25	-0.46	3.94e-06		20.0	-8.73	-33.97	0.30	5.46	-0.40	-8.80
						40.0	-8.73	-33.48	0.30	5.46	-0.35	-4.00
22	9	-28.98	0.84	3.57e-03	20.47	0.0	34.50	-31.07	-0.64	6.38	0.84	-41.96
		-41.96	0.59	-1.83e-05		20.0	34.50	-32.57	-0.64	6.37	0.71	-35.61
						40.0	34.50	-33.88	-0.64	6.37	0.59	-28.98
23	2	4.54	-1.62e-03	-3.12e-06	-3.71	0.0	0.14	-10.39	0.20	-1.46	-0.08	4.54
		0.48	-0.08	0.0		20.1	0.14	-10.11	0.20	-1.46	-0.04	2.48
						40.2	0.14	-9.83	0.20	-1.46	-1.62e-03	0.48
23	7	-15.72	-0.28	9.33e-05	2.10	0.0	12.12	-50.54	-0.74	2.87	-0.28	-35.93
		-35.93	-0.57	-6.35e-06		20.1	12.12	-50.41	-0.74	2.87	-0.43	-25.81
						40.2	12.12	-50.26	-0.74	2.87	-0.57	-15.72
23	9	-1.64	0.47	2.96e-03	16.60	0.0	-17.48	-49.18	1.43	14.22	-0.14	-18.77
		-18.77	-0.14	-1.33e-05		20.1	-17.48	-48.00	1.43	14.21	0.17	-9.09
						40.2	-17.48	-46.82	1.43	14.20	0.47	-1.64
24	2	-1.92	2.57e-04	-3.48e-05	-2.96	0.0	1.35	1.36	-0.02	-0.01	2.57e-04	-2.55
		-2.55	-6.49e-03	0.0		20.0	1.35	1.58	-0.02	-0.01	-3.12e-03	-2.25
						40.0	1.35	1.80	-0.02	-0.01	-6.49e-03	-1.92
24	6	-0.20	-0.08	7.36e-05	0.44	0.0	0.24	-0.41	0.36	1.54	-0.22	-0.20
		-0.28	-0.22	-2.97e-06		20.0	0.24	-0.41	0.36	1.54	-0.15	-0.23
						40.0	0.24	-0.41	0.36	1.54	-0.08	-0.28
24	8	-9.45	0.07	2.53e-04	11.49	0.0	-7.75	-27.53	0.13	0.60	0.02	-9.45
		-20.15	0.02	1.04e-05		20.0	-7.75	-26.78	0.13	0.60	0.04	-14.88
						40.0	-7.75	-25.92	0.13	0.60	0.07	-20.15
24	10	-0.13	-0.05	5.13e-05	0.31	0.0	0.17	-0.28	0.25	1.08	-0.15	-0.13
		-0.20	-0.15	-2.08e-06		20.0	0.17	-0.28	0.25	1.08	-0.10	-0.16
						40.0	0.17	-0.28	0.25	1.08	-0.05	-0.20
25	2	-0.35	-0.04	-9.20e-06	-3.38	0.0	-0.51	-3.43	-0.02	0.67	-0.04	-0.35
		-1.62	-0.04	0.0		20.0	-0.51	-3.17	-0.02	0.67	-0.04	-1.01
						40.0	-0.51	-2.92	-0.02	0.67	-0.04	-1.62
25	4	0.26	2.64e-03	-3.45e-05	-6.64	0.0	-0.68	0.33	0.10	-0.75	-0.04	0.26
		-0.16	-0.04	0.0		20.0	-0.68	-1.04	0.10	-0.75	-0.02	0.19
						40.0	-0.68	-2.43	0.10	-0.75	2.64e-03	-0.16
25	9	-1.21	1.39	1.27e-04	27.50	0.0	17.43	-68.24	-1.29	19.07	1.39	-15.63
		-15.63	0.89	-2.03e-05		20.0	17.43	-66.28	-1.29	19.05	1.14	-2.41
						40.0	17.43	-64.37	-1.29	19.04	0.89	-10.98
26	2	4.94	-4.85e-03	-2.40e-06	-3.63	0.0	0.20	-10.99	0.19	-1.48	-0.08	4.94
		0.65	-0.08	0.0		20.0	0.20	-10.72	0.19	-1.48	-0.04	2.77
						40.0	0.20	-10.45	0.19	-1.48	-4.85e-03	0.65
26	7	-16.93	-0.25	4.19e-04	2.73	0.0	11.97	-50.70	-0.77	2.19	-0.25	-37.05
		-37.05	-0.55	-6.73e-06		20.0	11.97	-50.56	-0.77	2.19	-0.40	-26.96
						40.0	11.97	-50.40	-0.77	2.19	-0.55	-16.93
26	9	-1.71	0.44	3.55e-03	20.04	0.0	-17.93	-62.39	1.55	17.79	-0.20	-22.40
		-22.40	-0.20	-1.65e-05		20.0	-17.93	-60.96	1.55	17.78	0.12	-10.14
						40.0	-17.93	-59.56	1.55	17.77	0.44	-2.60
27	4	-0.24	8.64e-04	-2.98e-05	-3.24	0.0	-0.16	-3.88	-1.59e-03	-3.76e-04	8.64e-04	-0.24
		-1.69	2.28e-04	0.0		20.0	-0.16	-3.62	-1.59e-03	-3.75e-04	5.46e-04	-0.99
						40.0	-0.16	-3.38	-1.59e-03	-3.74e-04	2.28e-04	-1.69
27	7	-0.34	-0.03	9.46e-05	0.69	0.0	0.25	-0.48	-0.51	1.30	-0.03	-0.51
		-0.51	-0.24	3.07e-06		20.0	0.25	-0.52	-0.51	1.30	-0.14	-0.43
						40.0	0.25	-0.55	-0.51	1.30	-0.24	-0.34
27	8	-9.81	-0.03	2.07e-03	11.69	0.0	7.83	-27.74	0.10	0.56	-0.06	-21.24
		-21.24	-0.06	1.04e-05		20.0	7.83	-28.61	0.10	0.56	-0.04	-15.61
						40.0	7.83	-29.38	0.10	0.56	-0.03	-9.81
27	9	-9.43	0.03	1.97e-03	11.11	0.0	7.38	-26.80	0.16	0.47	-0.04	-20.46
		-20.46	-0.04	-1.23e-05		20.0	7.38	-27.63	0.16	0.46	-4.66e-03	-15.02
						40.0	7.38	-28.36	0.16	0.46	0.03	-9.43
27	10	-0.12	-0.02	4.21e-05	0.25	0.0	0.14	-0.32	-0.35	1.34	-0.02	-0.20
		-0.20	-0.16	0.0		20.0	0.14	-0.32	-0.35	1.34	-0.09	-0.16
						40.0	0.14	-0.32	-0.35	1.34	-0.16	-0.12

28	2	4.55	0.07	3.08e-06	-3.71	0.0	0.11	-10.34	-0.08	1.51	0.07	4.55
		0.53	0.04	0.0		20.0	0.11	-10.06	-0.08	1.51	0.06	2.51
						40.0	0.11	-9.78	-0.08	1.51	0.04	0.53
28	4	-0.02	-0.01	1.75e-06	-3.83	0.0	-0.50	1.94	7.84e-04	-0.49	-0.01	-0.26
		-0.26	-0.01	0.0		20.0	-0.50	0.34	7.84e-04	-0.49	-0.01	-0.03
						40.0	-0.50	-1.26	7.84e-04	-0.49	-0.01	-0.12
28	6	-16.59	0.71	3.64e-05	1.46	0.0	13.02	-52.66	1.31	3.77	0.18	-37.61
		-37.61	0.18	6.24e-06		20.0	13.02	-52.58	1.31	3.77	0.45	-27.09
						40.0	13.02	-52.48	1.31	3.77	0.71	-16.59
28	8	-2.35	-0.22	1.20e-06	14.53	0.0	10.18	-16.83	0.68	14.73	-0.40	-5.27
		-5.27	-0.40	6.44e-06		20.0	10.18	-15.87	0.68	14.72	-0.31	-2.77
						40.0	10.18	-14.92	0.68	14.71	-0.22	-2.82
28	9	-2.62	0.42	1.39e-05	16.61	0.0	19.59	-40.24	1.79	17.47	-0.33	-18.00
		-18.00	-0.33	-1.29e-05		20.0	19.59	-39.07	1.79	17.46	0.05	-10.10
						40.0	19.59	-37.91	1.79	17.45	0.42	-2.62
29	3	-0.64	1.75e-03	1.06e-05	-0.75	0.0	0.37	-0.97	-4.22e-03	0.20	1.75e-03	-0.64
		-1.00	5.73e-05	0.0		20.0	0.37	-0.91	-4.22e-03	0.20	9.01e-04	-0.83
						40.0	0.37	-0.86	-4.22e-03	0.20	5.73e-05	-1.00
29	7	-2.99	-0.15	1.59e-03	7.43	0.0	-7.73	-20.00	0.50	3.77	-0.35	-6.52
		-6.52	-0.35	3.10e-06		20.0	-7.73	-19.50	0.50	3.76	-0.25	-3.52
						40.0	-7.73	-18.99	0.50	3.76	-0.15	-3.59
29	9	-19.73	0.59	2.70e-03	15.65	0.0	25.31	-14.22	-0.86	3.76	0.59	-25.83
		-25.83	0.24	-1.70e-05		20.0	25.31	-15.36	-0.86	3.76	0.41	-22.89
						40.0	25.31	-16.34	-0.86	3.76	0.24	-19.73
30	2	3.53	-0.05	3.37e-06	-3.61	0.0	0.18	7.65	-0.02	0.98	-0.05	-0.26
		-0.26	-0.06	0.0		23.8	0.18	7.97	-0.02	0.98	-0.05	1.60
						47.7	0.18	8.29	-0.02	0.98	-0.06	3.53
30	3	3.14	-0.04	-3.62e-06	-2.57	0.0	0.48	5.48	-5.90e-03	0.67	-0.04	0.42
		0.42	-0.05	0.0		23.8	0.48	5.71	-5.90e-03	0.67	-0.04	1.75
						47.7	0.48	5.94	-5.90e-03	0.67	-0.05	3.14
30	7	-7.62	0.37	1.06e-04	0.77	0.0	-8.63	-33.48	-0.44	0.67	0.37	-7.62
		-23.59	0.16	-6.54e-06		23.8	-8.63	-33.53	-0.44	0.67	0.27	-15.59
						47.7	-8.63	-33.60	-0.44	0.67	0.16	-23.59
30	8	-0.71	-0.10	2.91e-03	16.49	0.0	-13.73	-46.50	-0.76	15.97	-0.10	-1.80
		-21.15	-0.32	1.11e-05		23.8	-13.73	-47.88	-0.76	15.98	-0.21	-9.58
						47.7	-13.73	-49.27	-0.76	15.99	-0.32	-21.15
30	9	-1.28	-0.28	2.80e-03	15.70	0.0	-9.36	-32.54	-0.40	14.35	-0.28	-3.50
		-12.91	-0.44	-1.10e-05		23.8	-9.36	-33.85	-0.40	14.36	-0.36	-4.79
						47.7	-9.36	-35.17	-0.40	14.37	-0.44	-12.91
31	2	-1.73	2.36e-03	-4.31e-05	-3.39	0.0	1.84	1.58	0.02	-0.02	-6.49e-03	-2.52
		-2.52	-6.49e-03	0.0		21.4	1.84	1.84	0.02	-0.02	-2.07e-03	-2.16
						42.8	1.84	2.12	0.02	-0.02	2.36e-03	-1.73
31	4	1.96	8.55e-04	-3.26e-05	-3.55	0.0	-0.26	6.14	-3.13e-03	3.40e-03	8.55e-04	-0.79
		-0.79	-4.84e-04	0.0		21.4	-0.26	6.42	-3.13e-03	3.40e-03	1.86e-04	0.55
						42.8	-0.26	6.72	-3.13e-03	3.40e-03	-4.84e-04	1.96
31	6	-0.36	0.36	8.25e-05	0.55	0.0	0.29	-1.16	1.02	7.67	-0.08	-0.37
		-0.59	-0.08	-3.31e-06		21.4	0.29	-1.17	1.02	7.67	0.14	-0.42
						42.8	0.29	-1.18	1.02	7.67	0.36	-0.59
31	8	-18.97	0.07	3.30e-04	14.78	0.0	-10.33	-59.61	-0.36	0.61	0.07	-18.97
		-44.05	-0.09	1.12e-05		21.4	-10.33	-58.57	-0.36	0.61	-0.01	-31.63
						42.8	-10.33	-57.40	-0.36	0.61	-0.09	-44.05
32	2	5.07	-0.24	0.0	-3.63	0.0	0.75	14.38	-2.38	2.04	-0.24	3.40
		3.40	-0.52	0.0		5.8	0.75	14.45	-2.38	2.04	-0.38	4.23
						11.5	0.75	14.53	-2.38	2.04	-0.52	5.07
32	6	-17.81	1.02	5.11e-04	2.90	0.0	-13.06	-63.85	3.87	5.02	0.58	-17.81
		-25.17	0.58	1.74e-06		5.8	-13.06	-63.89	3.87	5.02	0.80	-21.49
						11.5	-13.06	-63.94	3.87	5.02	1.02	-25.17
32	7	-20.16	1.33	3.92e-04	2.28	0.0	-13.00	-65.48	5.16	8.48	0.74	-20.16
		-27.70	0.74	-1.92e-06		5.8	-13.00	-65.45	5.16	8.48	1.03	-23.93
						11.5	-13.00	-65.43	5.16	8.48	1.33	-27.70
32	9	-2.57	-1.61	3.61e-03	20.04	0.0	-7.93	-33.56	-17.29	21.17	-1.61	-2.84
		-3.73	-3.60	-4.48e-06		5.8	-7.93	-33.97	-17.29	21.17	-2.61	-2.67
						11.5	-7.93	-34.37	-17.29	21.18	-3.60	-3.73
33	2	4.48	0.25	0.0	-3.71	0.0	0.79	12.85	-1.06	-2.02	0.25	2.78
		2.78	0.11	0.0		6.6	0.79	12.94	-1.06	-2.02	0.18	3.62
						13.1	0.79	13.03	-1.06	-2.02	0.11	4.48
33	3	4.59	0.17	2.25e-06	-2.66	0.0	0.56	11.16	-0.71	-1.64	0.17	3.12
		3.12	0.08	0.0		6.6	0.56	11.22	-0.71	-1.64	0.13	3.85
						13.1	0.56	11.29	-0.71	-1.64	0.08	4.59
33	6	-27.16	-0.38	1.64e-05	1.06	0.0	-15.31	-63.06	5.47	5.08	-1.10	-27.16
		-35.43	-1.10	2.08e-06		6.6	-15.31	-63.04	5.47	5.08	-0.74	-31.30
						13.1	-15.31	-63.02	5.47	5.08	-0.38	-35.43
33	8	-8.78	-0.42	2.72e-06	14.53	0.0	12.62	-33.24	2.02	21.71	-0.67	-8.78
		-13.17	-0.67	2.28e-06		6.6	12.62	-33.57	2.02	21.71	-0.55	-10.96
						13.1	12.62	-33.90	2.02	21.72	-0.42	-13.17
33	9	-3.21	-0.77	1.07e-06	16.61	0.0	10.41	-14.68	6.09	25.52	-1.56	-3.21
		-4.72	-1.56	-4.09e-06		6.6	10.41	-14.99	6.09	25.53	-1.17	-3.91

						13.1	10.41	-15.31	6.09	25.53	-0.77	-4.72
34	3	0.93	0.03	0.0	-2.57	0.0	0.31	2.61	-0.19	0.45	0.03	-0.19
		-0.19	-0.04	0.0		20.0	0.31	2.80	-0.19	0.45	-4.16e-03	0.35
						40.0	0.31	3.00	-0.19	0.45	-0.04	0.93
34	7	-1.69	0.37	5.77e-05	0.56	0.0	-5.65	-20.09	1.03	1.70	-0.04	-1.69
		-9.70	-0.04	-6.82e-06		20.0	-5.65	-20.11	1.03	1.70	0.17	-5.68
						40.0	-5.65	-20.14	1.03	1.70	0.37	-9.70
34	8	-0.53	0.25	2.84e-03	15.83	0.0	-14.42	-28.94	-0.58	6.86	0.25	-5.31
		-6.75	-0.10	9.23e-06		20.0	-14.42	-30.06	-0.58	6.86	0.08	-0.79
						40.0	-14.42	-31.19	-0.58	6.87	-0.10	-6.75
34	9	-1.02	0.28	2.79e-03	15.37	0.0	-11.84	-19.31	-1.40	4.94	0.28	-5.27
		-5.27	-0.28	-8.85e-06		20.0	-11.84	-20.40	-1.40	4.95	8.55e-05	-1.57
						40.0	-11.84	-21.49	-1.40	4.96	-0.28	-3.14
35	2	5.05	0.27	0.0	-3.63	0.0	0.82	14.25	-1.30	-2.15	0.27	3.40
		3.40	0.13	0.0		5.8	0.82	14.33	-1.30	-2.15	0.20	4.22
						11.5	0.82	14.41	-1.30	-2.15	0.13	5.05
35	6	-23.38	-0.42	3.64e-04	2.07	0.0	-13.65	-60.34	5.96	6.26	-1.11	-23.38
		-30.34	-1.11	1.92e-06		5.8	-13.65	-60.37	5.96	6.26	-0.76	-26.86
						11.5	-13.65	-60.38	5.96	6.26	-0.42	-30.34
35	8	-6.59	-0.41	8.08e-06	14.66	0.0	7.39	-21.36	2.54	17.91	-0.69	-6.59
		-9.08	-0.69	1.18e-06		5.8	7.39	-21.65	2.54	17.92	-0.55	-7.82
						11.5	7.39	-21.94	2.54	17.92	-0.41	-9.08
35	9	-3.07	-0.89	1.04e-05	20.05	0.0	7.09	-7.82	7.78	26.78	-1.79	-3.07
		-3.77	-1.79	-4.52e-06		5.8	7.09	-7.94	7.78	26.78	-1.34	-3.41
						11.5	7.09	-8.08	7.78	26.79	-0.89	-3.77
36	2	4.50	-0.22	0.0	-3.71	0.0	0.75	12.95	-2.31	1.90	-0.22	2.80
		2.80	-0.52	0.0		6.5	0.75	13.04	-2.31	1.90	-0.37	3.65
						13.0	0.75	13.13	-2.31	1.90	-0.52	4.50
36	3	4.59	-0.15	-2.21e-06	-2.66	0.0	0.53	11.23	-1.68	1.56	-0.15	3.13
		3.13	-0.37	0.0		6.5	0.53	11.29	-1.68	1.56	-0.26	3.86
						13.0	0.53	11.36	-1.68	1.56	-0.37	4.59
36	7	-23.75	1.28	7.65e-05	1.74	0.0	-14.64	-72.70	4.58	6.12	0.69	-23.75
		-33.18	0.69	-2.04e-06		6.5	-14.64	-72.67	4.58	6.12	0.98	-28.47
						13.0	-14.64	-72.63	4.58	6.12	1.28	-33.18
36	9	-2.68	-1.36	2.97e-03	16.60	0.0	-10.86	-39.56	-15.87	20.64	-1.36	-2.68
		-5.99	-3.42	-3.98e-06		6.5	-10.86	-39.93	-15.87	20.64	-2.39	-3.84
						13.0	-10.86	-40.31	-15.87	20.64	-3.42	-5.99
37	2	-2.29	7.71e-04	-2.90e-05	-2.61	0.0	1.16	1.16	-1.28e-03	-0.01	7.71e-04	-2.83
		-2.83	2.57e-04	0.0		20.0	1.16	1.35	-1.28e-03	-0.01	5.14e-04	-2.58
						40.0	1.16	1.55	-1.28e-03	-0.01	2.57e-04	-2.29
37	6	-0.17	-0.07	6.64e-05	0.42	0.0	0.21	-0.20	-0.39	0.74	-0.07	-0.17
		-0.18	-0.22	-2.49e-06		20.0	0.21	-0.20	-0.39	0.74	-0.14	-0.17
						40.0	0.21	-0.21	-0.39	0.74	-0.22	-0.18
37	8	-7.24	0.02	2.25e-04	8.95	0.0	-6.78	-12.15	0.09	0.73	-0.02	-7.24
		-11.86	-0.02	1.04e-05		20.0	-6.78	-11.58	0.09	0.73	1.72e-03	-9.61
						40.0	-6.78	-10.92	0.09	0.73	0.02	-11.86
37	11	-0.11	-0.05	3.18e-05	0.16	0.0	0.12	-0.25	-0.25	0.95	-0.05	-0.11
		-0.19	-0.15	0.0		20.0	0.12	-0.25	-0.25	0.95	-0.10	-0.14
						40.0	0.12	-0.25	-0.25	0.95	-0.15	-0.19
38	2	3.54	0.06	3.37e-06	-3.61	0.0	0.17	7.68	0.02	-0.98	0.05	-0.27
		-0.27	0.05	0.0		23.8	0.17	8.00	0.02	-0.98	0.05	1.59
						47.7	0.17	8.32	0.02	-0.98	0.06	3.54
38	6	-7.36	-0.17	8.39e-05	0.49	0.0	-8.72	-29.10	0.44	1.23	-0.38	-7.36
		-21.23	-0.38	6.50e-06		23.8	-8.72	-29.13	0.44	1.23	-0.27	-14.29
						47.7	-8.72	-29.17	0.44	1.23	-0.17	-21.23
38	8	-0.67	-0.10	3.45e-05	16.49	0.0	13.81	-45.74	-0.82	15.98	-0.10	-1.67
		-20.92	-0.34	1.11e-05		23.8	13.81	-47.12	-0.82	15.99	-0.22	-9.55
						47.7	13.81	-48.51	-0.82	16.00	-0.34	-20.92
38	9	-1.26	-0.27	4.25e-06	15.69	0.0	9.42	-31.90	-0.47	14.37	-0.27	-3.37
		-12.74	-0.46	-1.10e-05		23.8	9.42	-33.21	-0.47	14.37	-0.37	-4.78
						47.7	9.42	-34.53	-0.47	14.38	-0.46	-12.74
39	3	-0.87	5.73e-05	8.36e-06	-0.65	0.0	0.30	-0.69	-1.16e-03	0.14	5.73e-05	-0.87
		-1.13	-4.06e-04	0.0		20.0	0.30	-0.64	-1.16e-03	0.14	-1.74e-04	-1.01
						40.0	0.30	-0.60	-1.16e-03	0.14	-4.06e-04	-1.13
39	7	-2.45	-0.09	1.55e-03	7.45	0.0	-6.92	-13.88	0.14	2.74	-0.15	-3.00
		-4.35	-0.15	2.62e-06		20.0	-6.92	-13.36	0.14	2.73	-0.12	-2.64
						40.0	-6.92	-12.84	0.14	2.73	-0.09	-4.35
39	9	-13.68	0.24	1.94e-03	11.55	0.0	17.98	-11.28	-0.29	2.09	0.24	-18.50
		-18.50	0.13	-1.63e-05		20.0	17.98	-12.11	-0.29	2.09	0.18	-16.16
						40.0	17.98	-12.81	-0.29	2.09	0.13	-13.68
40	2	4.09	0.07	7.95e-06	-3.61	0.0	0.29	9.64	-0.79	1.47	0.07	0.13
		0.13	-0.24	0.0		20.0	0.29	9.90	-0.79	1.47	-0.09	2.08
						40.0	0.29	10.17	-0.79	1.47	-0.24	4.09
40	6	-6.13	0.58	6.18e-04	3.70	0.0	-11.34	-35.90	1.44	3.23	0.08	-6.13
		-20.53	0.08	5.92e-06		20.0	-11.34	-36.12	1.44	3.23	0.33	-13.30
						40.0	-11.34	-36.31	1.44	3.23	0.58	-20.53
40	7	-7.97	0.74	4.40e-04	2.10	0.0	-11.04	-37.55	1.90	4.84	0.07	-7.97

		-22.94	0.07	-6.11e-06		20.0	-11.04	-37.52	1.90	4.84	0.40	-15.45
						40.0	-11.04	-37.46	1.90	4.84	0.74	-22.94
40	9	-2.33	0.59	3.66e-03	20.22	0.0	-9.57	-17.58	-5.49	10.94	0.59	-5.90
		-5.90	-1.61	-1.37e-05		20.0	-9.57	-19.01	-5.49	10.95	-0.51	-2.93
						40.0	-9.57	-20.42	-5.49	10.96	-1.61	-3.16
41	3	3.65	0.17	1.14e-05	-2.63	0.0	0.27	7.42	0.55	-1.20	-0.05	0.60
		0.60	-0.05	0.0		20.0	0.27	7.62	0.55	-1.20	0.06	2.11
						40.0	0.27	7.81	0.55	-1.20	0.17	3.65
41	6	-10.20	0.04	1.51e-04	0.88	0.0	-12.10	-39.56	-2.85	3.09	0.04	-10.20
		-26.00	-1.10	5.70e-06		20.0	-12.10	-39.53	-2.85	3.09	-0.53	-18.10
						40.0	-12.10	-39.49	-2.85	3.09	-1.10	-26.00
41	8	-1.19	0.35	2.00e-05	14.39	0.0	12.59	-33.73	-2.52	10.57	0.35	-1.85
		-12.51	-0.67	7.46e-06		20.0	12.59	-34.74	-2.52	10.57	-0.16	-5.53
						40.0	12.59	-35.77	-2.52	10.58	-0.67	-12.51
41	9	-2.36	0.46	3.50e-06	16.46	0.0	12.17	-22.23	-5.04	11.84	0.46	-5.21
		-5.24	-1.56	-1.10e-05		20.0	12.17	-23.37	-5.04	11.84	-0.55	-2.36
						40.0	12.17	-24.53	-5.04	11.85	-1.56	-5.24
42	3	0.13	0.03	0.0	-2.57	0.0	0.11	1.13	0.02	0.24	0.03	-0.40
		-0.40	0.03	0.0		20.0	0.11	1.33	0.02	0.24	0.03	-0.16
						40.0	0.11	1.53	0.02	0.24	0.03	0.13
42	7	-0.13	-0.03	5.14e-05	0.47	0.0	-2.61	-15.75	-0.03	2.77	-0.03	-1.23
		-5.07	-0.04	-5.34e-06		20.0	-2.61	-15.72	-0.03	2.77	-0.03	-1.92
						40.0	-2.61	-15.72	-0.03	2.77	-0.04	-5.07
42	8	-0.61	0.25	2.76e-03	15.31	0.0	-15.74	-15.14	0.04	4.69	0.23	-5.62
		-5.62	0.23	8.66e-06		20.0	-15.74	-16.22	0.04	4.70	0.24	-2.53
						40.0	-15.74	-17.31	0.04	4.71	0.25	-1.08
42	9	-1.93	0.28	2.78e-03	15.23	0.0	-15.31	-7.39	0.04	2.53	0.27	-4.77
		-4.77	0.27	-9.41e-06		20.0	-15.31	-8.40	0.04	2.54	0.28	-3.34
						40.0	-15.31	-9.43	0.04	2.55	0.28	-1.93
43	2	4.06	0.27	7.93e-06	-3.61	0.0	0.33	9.59	0.84	-1.52	-0.06	0.11
		0.11	-0.06	0.0		20.0	0.33	9.86	0.84	-1.52	0.11	2.06
						40.0	0.33	10.13	0.84	-1.52	0.27	4.06
43	6	-6.86	0.07	4.46e-04	2.70	0.0	-10.59	-37.59	-2.92	3.90	0.07	-6.86
		-21.91	-1.11	6.02e-06		20.0	-10.59	-37.73	-2.92	3.90	-0.52	-14.37
						40.0	-10.59	-37.83	-2.92	3.90	-1.11	-21.91
43	7	-4.37	0.06	7.89e-04	5.59	0.0	-10.83	-31.50	-2.38	1.98	0.06	-4.37
		-17.03	-0.92	-6.08e-06		20.0	-10.83	-31.87	-2.38	1.98	-0.43	-10.64
						40.0	-10.83	-32.20	-2.38	1.97	-0.92	-17.03
43	9	-2.44	0.49	3.66e-05	20.19	0.0	8.86	-16.38	-5.69	11.36	0.49	-5.81
		-5.81	-1.79	-1.40e-05		20.0	8.86	-17.79	-5.69	11.37	-0.65	-3.08
						40.0	8.86	-19.20	-5.69	11.38	-1.79	-3.02
44	2	3.46	0.07	-6.20e-06	-3.69	0.0	0.29	8.51	-0.72	1.31	0.07	-0.06
		-0.06	-0.22	0.0		20.0	0.29	8.78	-0.72	1.31	-0.07	1.67
						40.0	0.29	9.06	-0.72	1.31	-0.22	3.46
44	3	3.68	0.05	-1.14e-05	-2.63	0.0	0.24	7.48	-0.51	1.17	0.05	0.62
		0.62	-0.15	0.0		20.0	0.24	7.67	-0.51	1.17	-0.05	2.13
						40.0	0.24	7.86	-0.51	1.17	-0.15	3.68
44	7	-10.97	0.69	2.14e-04	1.54	0.0	-12.59	-41.52	1.68	3.27	0.05	-10.97
		-27.54	0.05	-5.80e-06		20.0	-12.59	-41.43	1.68	3.27	0.37	-19.27
						40.0	-12.59	-41.33	1.68	3.27	0.69	-27.54
44	8	-1.16	0.43	2.58e-03	14.40	0.0	-13.22	-34.34	-2.76	10.38	0.43	-1.90
		-12.68	-0.68	7.64e-06		20.0	-13.22	-35.35	-2.76	10.39	-0.12	-5.57
						40.0	-13.22	-36.38	-2.76	10.40	-0.68	-12.68
44	9	-2.31	0.56	2.97e-03	16.48	0.0	-12.89	-23.07	-4.80	11.60	0.56	-5.28
		-5.43	-1.36	-1.07e-05		20.0	-12.89	-24.22	-4.80	11.61	-0.40	-2.31
						40.0	-12.89	-25.38	-4.80	11.61	-1.36	-5.43
45	4	-1.36	2.28e-04	2.63e-05	-2.94	0.0	-0.11	-2.60	-4.58e-04	2.57e-04	2.28e-04	-1.36
		-2.31	4.44e-05	0.0		20.0	-0.11	-2.37	-4.58e-04	2.58e-04	1.36e-04	-1.85
						40.0	-0.11	-2.15	-4.58e-04	2.59e-04	4.44e-05	-2.31
45	7	-0.27	-0.07	8.30e-05	0.63	0.0	0.21	-0.20	0.43	0.43	-0.24	-0.33
		-0.33	-0.24	2.58e-06		20.0	0.21	-0.22	0.43	0.43	-0.15	-0.30
						40.0	0.21	-0.25	0.43	0.43	-0.07	-0.27
45	8	-7.40	0.02	1.59e-03	9.12	0.0	6.92	-11.48	0.10	0.72	-0.03	-12.25
		-12.25	-0.03	1.04e-05		20.0	6.92	-12.15	0.10	0.72	-4.74e-03	-9.88
						40.0	6.92	-12.73	0.10	0.72	0.02	-7.40
45	9	-7.11	0.03	1.51e-03	8.67	0.0	6.52	-11.07	-0.11	0.67	0.03	-11.79
		-11.79	-0.01	-1.23e-05		20.0	6.52	-11.71	-0.11	0.67	8.17e-03	-9.51
						40.0	6.52	-12.27	-0.11	0.67	-0.01	-7.11
45	10	-0.10	-0.05	3.87e-05	0.24	0.0	0.12	-0.16	0.28	0.69	-0.16	-0.12
		-0.12	-0.16	0.0		20.0	0.12	-0.16	0.28	0.69	-0.11	-0.11
						40.0	0.12	-0.15	0.28	0.69	-0.05	-0.10
46	2	-1.15	-0.03	0.0	-3.47	0.0	-0.35	-0.01	-0.02	-0.02	-0.03	-1.25
		-1.25	-0.03	0.0		20.0	-0.35	0.25	-0.02	-0.02	-0.03	-1.22
						40.0	-0.35	0.51	-0.02	-0.03	-0.03	-1.15
46	4	0.10	5.56e-03	1.91e-06	-3.78	0.0	-0.40	1.32	5.19e-03	0.12	3.49e-03	-0.01
		-0.12	3.49e-03	0.0		20.0	-0.40	-0.28	5.19e-03	0.12	4.53e-03	0.09
						40.0	-0.40	-1.88	5.19e-03	0.12	5.56e-03	-0.12

46	7	-0.30	0.02	-3.98e-05	0.35	0.0	-0.52	-7.66	0.05	0.97	-6.64e-03	-2.26
		-2.26	-6.64e-03	-5.72e-06		20.0	-0.52	-7.64	0.05	0.97	6.82e-03	-0.77
						40.0	-0.52	-7.62	0.05	0.97	0.02	-0.86
46	8	-1.85	0.23	2.91e-05	14.86	0.0	15.77	-8.00	0.08	2.79	0.20	-5.26
		-5.26	0.20	8.03e-06		20.0	15.77	-9.02	0.08	2.80	0.21	-3.61
						40.0	15.77	-10.06	0.08	2.81	0.23	-1.85
46	9	-3.53	0.27	1.00e-05	15.28	0.0	17.24	-3.36	0.13	1.00	0.22	-3.70
		-3.70	0.22	-1.01e-05		20.0	17.24	-3.29	0.13	1.00	0.24	-3.67
						40.0	17.24	-3.60	0.13	1.01	0.27	-3.53
47	3	-1.04	-4.06e-04	5.80e-06	-0.57	0.0	0.25	-0.46	-8.79e-04	0.09	-4.06e-04	-1.04
		-1.21	-7.58e-04	0.0		20.0	0.25	-0.41	-8.79e-04	0.09	-5.82e-04	-1.13
						40.0	0.25	-0.37	-8.79e-04	0.09	-7.58e-04	-1.21
47	7	-2.35	-0.08	1.53e-03	7.58	0.0	-6.29	-10.15	0.04	1.78	-0.09	-2.35
		-5.24	-0.09	2.31e-06		20.0	-6.29	-9.63	0.04	1.77	-0.08	-3.63
						40.0	-6.29	-9.09	0.04	1.77	-0.08	-5.24
47	9	-8.10	0.13	1.25e-03	7.95	0.0	11.61	-12.00	-0.14	1.37	0.13	-13.11
		-13.11	0.07	-1.60e-05		20.0	11.61	-12.56	-0.14	1.37	0.10	-10.65
						40.0	11.61	-12.99	-0.14	1.37	0.07	-8.10
48	1	0.20	0.02	0.0	-13.80	0.0	-0.02	4.49	3.39e-03	0.60	0.02	-1.71
		-1.71	0.02	0.0		20.0	-0.02	4.78	3.39e-03	0.60	0.02	-0.78
						40.0	-0.02	5.07	3.39e-03	0.60	0.02	0.20
48	2	1.17	0.07	-1.01e-05	-3.51	0.0	-0.07	5.33	0.03	1.15	0.06	-1.06
		-1.06	0.06	0.0		20.0	-0.07	5.59	0.03	1.15	0.07	0.03
						40.0	-0.07	5.85	0.03	1.15	0.07	1.17
48	7	-1.51	0.07	4.83e-04	2.02	0.0	-6.97	-17.47	0.11	0.62	-0.07	-1.51
		-8.30	-0.07	-6.05e-06		20.0	-6.97	-17.48	0.11	0.62	7.60e-04	-4.83
						40.0	-6.97	-17.47	0.11	0.62	0.07	-8.30
48	9	-3.46	0.59	3.74e-03	20.64	0.0	-13.40	-8.50	0.43	2.05	0.42	-7.04
		-7.04	0.42	-1.42e-05		20.0	-13.40	-9.94	0.43	2.06	0.50	-5.32
						40.0	-13.40	-11.38	0.43	2.07	0.59	-3.46
49	2	0.85	-0.06	-7.72e-06	-3.60	0.0	-0.03	4.51	-6.73e-03	-0.97	-0.06	-1.06
		-1.06	-0.06	0.0		20.0	-0.03	4.77	-6.73e-03	-0.97	-0.06	-0.14
						40.0	-0.03	5.04	-6.73e-03	-0.97	-0.06	0.85
49	3	1.47	-0.04	-1.43e-05	-2.49	0.0	0.06	4.24	-9.94e-03	-0.99	-0.04	-0.30
		-0.30	-0.05	0.0		20.0	0.06	4.42	-9.94e-03	-0.99	-0.04	0.57
						40.0	0.06	4.61	-9.94e-03	-1.00	-0.05	1.47
49	6	-3.53	0.06	1.46e-04	0.84	0.0	-8.30	-19.22	-0.03	0.27	0.06	-3.53
		-11.20	0.04	5.56e-06		20.0	-8.30	-19.19	-0.03	0.27	0.05	-7.36
						40.0	-8.30	-19.17	-0.03	0.27	0.04	-11.20
49	7	-2.36	0.04	7.35e-05	1.61	0.0	-8.74	-14.29	-0.03	0.55	0.04	-2.36
		-8.10	0.03	-5.82e-06		20.0	-8.74	-14.38	-0.03	0.55	0.04	-5.22
						40.0	-8.74	-14.45	-0.03	0.55	0.03	-8.10
49	9	-1.81	0.46	3.26e-06	16.23	0.0	16.57	-14.15	0.17	4.22	0.39	-6.46
		-6.46	0.39	-1.13e-05		20.0	16.57	-15.30	0.17	4.22	0.42	-3.74
						40.0	16.57	-16.46	0.17	4.23	0.46	-1.81
50	4	0.10	-3.39e-03	1.90e-06	-3.78	0.0	-0.40	1.32	-5.34e-03	-0.12	-3.39e-03	-9.31e-03
		-0.12	-5.53e-03	0.0		20.0	-0.40	-0.28	-5.34e-03	-0.12	-4.46e-03	0.10
						40.0	-0.40	-1.88	-5.34e-03	-0.12	-5.53e-03	-0.12
50	6	-0.22	-5.14e-03	-3.17e-05	0.61	0.0	0.45	-11.41	-0.05	1.77	-5.14e-03	-3.07
		-3.07	-0.02	5.61e-06		20.0	0.45	-11.38	-0.05	1.77	-0.01	-0.81
						40.0	0.45	-11.35	-0.05	1.77	-0.02	-1.50
50	7	-0.17	5.40e-03	6.02e-05	1.04	0.0	-0.45	-15.60	-0.06	3.03	5.40e-03	-3.83
		-3.83	-0.03	-5.58e-06		20.0	-0.45	-15.53	-0.06	3.03	-0.01	-0.73
						40.0	-0.45	-15.48	-0.06	3.03	-0.03	-2.39
50	8	-1.86	0.23	2.69e-03	14.86	0.0	-15.79	-7.97	0.09	2.77	0.20	-5.26
		-5.26	0.20	8.04e-06		20.0	-15.79	-8.98	0.09	2.77	0.21	-3.62
						40.0	-15.79	-10.02	0.09	2.78	0.23	-1.86
50	9	-3.55	0.27	2.79e-03	15.29	0.0	-17.31	-3.38	0.14	0.99	0.21	-3.69
		-3.69	0.21	-1.01e-05		20.0	-17.31	-3.29	0.14	0.99	0.24	-3.67
						40.0	-17.31	-3.57	0.14	1.00	0.27	-3.55
51	2	1.18	-0.06	1.01e-05	-3.50	0.0	-0.04	5.35	-3.46e-03	-1.17	-0.06	-1.06
		-1.06	-0.06	0.0		20.0	-0.04	5.61	-3.46e-03	-1.17	-0.06	0.03
						40.0	-0.04	5.87	-3.46e-03	-1.17	-0.06	1.18
51	6	-0.87	0.08	5.66e-04	3.28	0.0	-6.87	-16.95	-0.04	0.80	0.08	-0.87
		-7.14	0.07	5.91e-06		20.0	-6.87	-17.14	-0.04	0.80	0.08	-3.74
						40.0	-6.87	-17.30	-0.04	0.80	0.07	-7.14
51	7	-1.05	0.06	9.43e-04	6.36	0.0	-7.65	-13.62	-0.04	0.89	0.06	-1.62
		-4.48	0.06	-6.15e-06		20.0	-7.65	-14.05	-0.04	0.89	0.06	-1.84
						40.0	-7.65	-14.44	-0.04	0.89	0.06	-4.48
51	9	-3.44	0.49	4.63e-05	20.61	0.0	13.06	-8.47	0.20	2.13	0.41	-7.00
		-7.00	0.41	-1.43e-05		20.0	13.06	-9.91	0.20	2.14	0.45	-5.30
						40.0	13.06	-11.35	0.20	2.15	0.49	-3.44
52	3	1.47	0.05	-1.44e-05	-2.49	0.0	0.03	4.23	0.03	0.98	0.04	-0.29
		-0.29	0.04	0.0		20.0	0.03	4.41	0.03	0.98	0.05	0.57
						40.0	0.03	4.60	0.03	0.98	0.05	1.47
52	6	-3.21	0.06	-1.15e-05	0.90	0.0	-8.85	-17.87	0.11	0.30	-0.04	-3.21
		-10.36	-0.04	5.69e-06		20.0	-8.85	-17.89	0.11	0.30	0.01	-6.78

						40.0	-8.85	-17.90	0.11	0.29	0.06	-10.36
52	7	-4.02	0.05	2.10e-04	1.46	0.0	-8.38	-20.75	0.10	0.48	0.04	-4.02
		-12.28	0.04	-5.70e-06		20.0	-8.38	-20.66	0.10	0.48	0.04	-8.16
						40.0	-8.38	-20.57	0.10	0.48	0.05	-12.28
52	9	-1.80	0.56	2.97e-03	16.26	0.0	-16.93	-14.24	0.42	4.17	0.39	-6.50
		-6.50	0.39	-1.13e-05		20.0	-16.93	-15.39	0.42	4.18	0.48	-3.76
						40.0	-16.93	-16.55	0.42	4.19	0.56	-1.80
53	2	-0.85	-0.03	-3.17e-06	-3.51	0.0	-0.35	-1.50	0.03	0.31	-0.04	-0.85
		-1.35	-0.04	0.0		20.0	-0.35	-1.24	0.03	0.31	-0.03	-1.13
						40.0	-0.35	-0.98	0.03	0.31	-0.03	-1.35
53	4	0.11	5.50e-03	-1.79e-06	-3.80	0.0	-0.41	1.51	-5.02e-03	0.04	5.50e-03	-0.03
		-0.07	3.49e-03	0.0		20.0	-0.41	-0.09	-5.02e-03	0.04	4.49e-03	0.11
						40.0	-0.41	-1.69	-5.02e-03	0.04	3.49e-03	-0.07
53	6	-0.74	-5.28e-03	3.49e-05	1.17	0.0	2.80	-13.47	0.08	2.12	-0.03	-5.96
		-5.96	-0.03	5.52e-06		20.0	2.80	-13.39	0.08	2.12	-0.02	-3.29
						40.0	2.80	-13.32	0.08	2.12	-5.28e-03	-0.74
53	8	-3.40	0.24	1.96e-05	14.52	0.0	15.20	-3.05	-0.10	1.11	0.24	-4.46
		-4.46	0.20	7.45e-06		20.0	15.20	-3.65	-0.10	1.11	0.22	-4.00
						40.0	15.20	-4.43	-0.10	1.11	0.20	-3.40
53	9	-2.17	0.24	1.90e-05	15.49	0.0	18.52	-8.05	-0.06	1.89	0.24	-2.17
		-4.42	0.22	-1.08e-05		20.0	18.52	-7.03	-0.06	1.88	0.23	-3.30
						40.0	18.52	-6.06	-0.06	1.87	0.22	-4.42
54	4	-2.09	4.44e-05	-2.11e-05	-2.68	0.0	-0.09	-1.85	-1.89e-05	3.74e-04	4.44e-05	-2.09
		-2.75	3.69e-05	0.0		20.0	-0.09	-1.64	-1.89e-05	3.75e-04	4.07e-05	-2.44
						40.0	-0.09	-1.44	-1.89e-05	3.76e-04	3.69e-05	-2.75
54	6	-0.15	-0.05	5.21e-05	0.34	0.0	0.15	-0.19	0.05	0.62	-0.07	-0.16
		-0.16	-0.07	-1.04e-06		20.0	0.15	-0.18	0.05	0.62	-0.06	-0.15
						40.0	0.15	-0.17	0.05	0.62	-0.05	-0.15
54	8	-5.30	0.02	1.15e-03	6.84	0.0	5.01	-9.06	-0.02	0.77	0.02	-9.12
		-9.12	9.23e-03	1.04e-05		20.0	5.01	-9.56	-0.02	0.77	0.01	-7.26
						40.0	5.01	-9.97	-0.02	0.77	9.23e-03	-5.30
54	10	-0.10	-0.04	3.62e-05	0.24	0.0	0.10	-0.13	0.04	0.43	-0.05	-0.11
		-0.11	-0.05	0.0		20.0	0.10	-0.12	0.04	0.43	-0.04	-0.10
						40.0	0.10	-0.12	0.04	0.43	-0.04	-0.10
55	3	0.94	0.04	0.0	-2.57	0.0	0.30	2.62	0.19	-0.44	-0.03	-0.19
		-0.19	-0.03	0.0		20.0	0.30	2.81	0.19	-0.45	3.79e-03	0.36
						40.0	0.30	3.01	0.19	-0.45	0.04	0.94
55	6	-1.84	0.04	4.53e-05	0.39	0.0	-5.75	-17.07	-1.04	1.00	0.04	-1.84
		-8.64	-0.38	6.52e-06		20.0	-5.75	-17.08	-1.04	1.00	-0.17	-5.23
						40.0	-5.75	-17.10	-1.04	1.00	-0.38	-8.64
55	8	-0.52	0.25	4.03e-05	15.82	0.0	14.42	-28.92	-0.56	6.87	0.25	-5.27
		-6.79	-0.10	9.22e-06		20.0	14.42	-30.04	-0.56	6.87	0.07	-0.83
						40.0	14.42	-31.17	-0.56	6.88	-0.10	-6.79
55	9	-1.02	0.29	6.01e-06	15.36	0.0	11.83	-19.29	-1.38	4.96	0.29	-5.24
		-5.24	-0.27	-8.85e-06		20.0	11.83	-20.38	-1.38	4.97	6.76e-03	-1.55
						40.0	11.83	-21.48	-1.38	4.97	-0.27	-3.17
56	3	-1.15	-7.58e-04	-3.01e-06	-0.51	0.0	0.23	-0.25	-5.13e-04	0.05	-7.58e-04	-1.15
		-1.24	-9.63e-04	0.0		20.0	0.23	-0.21	-5.13e-04	0.05	-8.60e-04	-1.20
						40.0	0.23	-0.17	-5.13e-04	0.05	-9.63e-04	-1.24
56	7	-3.72	-0.07	1.54e-03	7.85	0.0	-5.85	-7.08	0.02	0.91	-0.08	-3.72
		-6.01	-0.08	2.04e-06		20.0	-5.85	-6.55	0.02	0.91	-0.07	-4.88
						40.0	-5.85	-6.01	0.02	0.90	-0.07	-6.01
56	9	-2.76	0.07	6.23e-04	4.67	0.0	5.82	-12.77	-0.11	1.01	0.07	-7.98
		-7.98	0.02	-1.59e-05		20.0	5.82	-13.07	-0.11	1.01	0.05	-5.39
						40.0	5.82	-13.26	-0.11	1.01	0.02	-2.76
57	5	-0.10	0.02	-3.56e-06	-1.35	0.0	-0.12	1.25	0.04	0.34	9.82e-03	-0.64
		-0.64	9.82e-03	0.0		20.0	-0.12	1.35	0.04	0.34	0.02	-0.38
						40.0	-0.12	1.46	0.04	0.34	0.02	-0.10
57	7	-0.93	-0.04	5.54e-04	2.29	0.0	-3.94	-12.48	0.06	1.24	-0.04	-2.07
		-3.27	-0.07	-6.19e-06		20.0	-3.94	-12.51	0.06	1.24	-0.06	-1.13
						40.0	-3.94	-12.52	0.06	1.24	-0.07	-3.27
57	9	-6.28	0.42	3.84e-03	21.27	0.0	-15.32	-4.45	0.44	1.55	0.24	-6.28
		-7.25	0.24	-1.52e-05		20.0	-15.32	-3.21	0.44	1.54	0.33	-6.90
						40.0	-15.32	-2.39	0.44	1.53	0.42	-7.25
58	2	-0.41	-0.03	-6.27e-06	-3.51	0.0	-0.25	2.37	-0.08	-0.63	-0.03	-1.46
		-1.46	-0.06	0.0		20.0	-0.25	2.64	-0.08	-0.64	-0.04	-0.96
						40.0	-0.25	2.90	-0.08	-0.64	-0.06	-0.41
58	3	0.42	-0.02	-1.47e-05	-2.33	0.0	-0.07	2.67	-0.06	-0.81	-0.02	-0.72
		-0.72	-0.04	0.0		20.0	-0.07	2.84	-0.06	-0.81	-0.03	-0.17
						40.0	-0.07	3.01	-0.06	-0.81	-0.04	0.42
58	7	-0.37	0.04	7.80e-05	1.76	0.0	-5.97	-9.19	0.08	0.68	0.03	-0.41
		-3.54	0.03	-5.89e-06		20.0	-5.97	-9.27	0.08	0.68	0.03	-1.70
						40.0	-5.97	-9.36	0.08	0.68	0.04	-3.54
58	9	-4.20	0.39	1.45e-05	16.30	0.0	19.09	-4.84	0.37	1.59	0.24	-6.06
		-6.06	0.24	-1.22e-05		20.0	19.09	-5.83	0.37	1.60	0.32	-5.20
						40.0	19.09	-6.88	0.37	1.60	0.39	-4.20
59	4	0.11	-3.39e-03	-1.77e-06	-3.80	0.0	-0.41	1.52	4.55e-03	-0.05	-5.21e-03	-0.03

		-0.07	-5.21e-03	0.0		20.0	-0.41	-0.08	4.55e-03	-0.04	-4.30e-03	0.11
						40.0	-0.41	-1.68	4.55e-03	-0.04	-3.39e-03	-0.07
59	7	-0.41	0.02	6.88e-05	1.56	0.0	3.02	-16.30	-0.06	2.97	0.02	-6.64
		-6.64	5.40e-03	-5.63e-06		20.0	3.02	-16.19	-0.06	2.97	0.01	-3.40
						40.0	3.02	-16.10	-0.06	2.97	5.40e-03	-0.41
59	9	-2.16	0.24	2.82e-03	15.51	0.0	-18.63	-8.14	-0.06	1.95	0.24	-2.16
		-4.44	0.21	-1.08e-05		20.0	-18.63	-7.12	-0.06	1.94	0.22	-3.30
						40.0	-18.63	-6.14	-0.06	1.94	0.21	-4.44
60	2	-0.24	-0.03	-8.86e-06	-3.38	0.0	-0.29	3.16	-0.09	-0.86	-0.03	-1.61
		-1.61	-0.06	0.0		20.0	-0.29	3.41	-0.09	-0.86	-0.04	-0.95
						40.0	-0.29	3.67	-0.09	-0.86	-0.06	-0.24
60	5	-0.10	-0.01	3.55e-06	-1.35	0.0	-0.11	1.27	-0.03	-0.34	-0.01	-0.64
		-0.64	-0.02	0.0		20.0	-0.11	1.37	-0.03	-0.34	-0.02	-0.38
						40.0	-0.11	1.47	-0.03	-0.34	-0.02	-0.10
60	7	-1.71	0.06	1.09e-03	7.16	0.0	-4.92	-6.45	0.07	0.80	0.04	-3.68
		-3.68	0.04	-6.26e-06		20.0	-4.92	-6.88	0.07	0.80	0.05	-2.57
						40.0	-4.92	-7.30	0.07	0.80	0.06	-1.71
60	9	-6.29	0.41	6.15e-05	21.25	0.0	15.18	-4.36	0.42	1.52	0.25	-6.29
		-7.21	0.25	-1.52e-05		20.0	15.18	-3.14	0.42	1.51	0.33	-6.89
						40.0	15.18	-2.36	0.42	1.50	0.41	-7.21
61	3	0.41	0.04	-1.47e-05	-2.33	0.0	-0.07	2.65	0.06	0.80	0.02	-0.72
		-0.72	0.02	0.0		20.0	-0.07	2.82	0.06	0.80	0.03	-0.17
						40.0	-0.07	2.99	0.06	0.81	0.04	0.41
61	6	-0.31	0.03	-9.81e-06	0.97	0.0	-6.00	-12.44	-0.03	1.25	0.03	-0.31
		-5.12	-0.04	5.78e-06		20.0	-6.00	-12.45	-0.03	1.25	-5.22e-03	-2.64
						40.0	-6.00	-12.47	-0.03	1.25	-0.04	-5.12
61	7	-0.66	0.04	2.41e-04	1.73	0.0	-5.17	-15.61	-0.04	2.12	0.02	-0.66
		-6.82	0.02	-5.78e-06		20.0	-5.17	-15.50	-0.04	2.12	0.03	-3.73
						40.0	-5.17	-15.39	-0.04	2.12	0.04	-6.82
61	9	-4.21	0.39	2.99e-03	16.33	0.0	-19.29	-4.84	0.39	1.58	0.24	-6.07
		-6.07	0.24	-1.23e-05		20.0	-19.29	-5.83	0.39	1.59	0.31	-5.21
						40.0	-19.29	-6.89	0.39	1.59	0.39	-4.21
62	2	-0.07	-0.04	5.45e-06	-3.57	0.0	-0.26	-3.19	0.05	0.66	-0.06	-0.07
		-1.24	-0.06	0.0		20.0	-0.26	-2.92	0.05	0.66	-0.05	-0.68
						40.0	-0.26	-2.65	0.05	0.66	-0.04	-1.24
62	3	0.47	-0.03	2.26e-06	-2.63	0.0	0.11	-2.27	0.03	0.45	-0.04	0.47
		-0.36	-0.04	0.0		20.0	0.11	-2.07	0.03	0.45	-0.04	0.04
						40.0	0.11	-1.88	0.03	0.45	-0.03	-0.36
62	4	0.09	8.44e-03	-1.67e-06	-3.81	0.0	-0.43	1.70	-7.35e-03	-0.05	8.44e-03	-0.09
		-0.09	5.50e-03	0.0		20.0	-0.43	0.10	-7.35e-03	-0.05	6.97e-03	0.09
						40.0	-0.43	-1.49	-7.35e-03	-0.05	5.50e-03	-0.05
62	6	-3.32	-0.03	2.39e-05	1.43	0.0	5.89	-15.18	-0.02	1.63	-0.03	-9.29
		-9.29	-0.03	5.52e-06		20.0	5.89	-15.08	-0.02	1.63	-0.03	-6.28
						40.0	5.89	-14.99	-0.02	1.62	-0.03	-3.32
62	9	-1.16	0.29	2.59e-05	15.81	0.0	19.28	-15.99	-0.13	3.70	0.29	-1.78
		-4.72	0.24	-1.15e-05		20.0	19.28	-14.87	-0.13	3.69	0.26	-2.07
						40.0	19.28	-13.76	-0.13	3.69	0.24	-4.72
63	2	-0.60	-0.03	-2.46e-06	-3.50	0.0	-0.24	1.54	-0.02	-0.35	-0.03	-1.32
		-1.32	-0.04	0.0		20.0	-0.24	1.81	-0.02	-0.35	-0.04	-0.98
						40.0	-0.24	2.07	-0.02	-0.35	-0.04	-0.60
63	3	0.13	-0.03	0.0	-2.57	0.0	0.11	1.14	-0.02	-0.23	-0.03	-0.40
		-0.40	-0.03	0.0		20.0	0.11	1.34	-0.02	-0.23	-0.03	-0.16
						40.0	0.11	1.53	-0.02	-0.24	-0.03	0.13
63	6	-0.15	0.04	4.26e-05	0.37	0.0	-2.74	-13.12	0.04	1.96	0.03	-0.92
		-4.33	0.03	5.27e-06		20.0	-2.74	-13.10	0.04	1.96	0.03	-1.72
						40.0	-2.74	-13.09	0.04	1.96	0.04	-4.33
63	8	-0.62	0.25	3.70e-05	15.30	0.0	15.72	-15.15	0.05	4.71	0.23	-5.61
		-5.61	0.23	8.65e-06		20.0	15.72	-16.22	0.05	4.71	0.24	-2.52
						40.0	15.72	-17.32	0.05	4.72	0.25	-1.09
63	9	-1.91	0.29	0.0	15.22	0.0	15.26	-7.42	0.05	2.55	0.27	-4.77
		-4.77	0.27	-9.42e-06		20.0	15.26	-8.43	0.05	2.56	0.28	-3.33
						40.0	15.26	-9.46	0.05	2.57	0.29	-1.91
64	4	-2.61	3.82e-05	-1.48e-05	-2.47	0.0	-0.07	-1.25	3.25e-06	2.60e-04	3.69e-05	-2.61
		-3.03	3.69e-05	0.0		20.0	-0.07	-1.06	3.25e-06	2.61e-04	3.75e-05	-2.84
						40.0	-0.07	-0.87	3.25e-06	2.62e-04	3.82e-05	-3.03
64	6	-0.15	-0.05	4.99e-05	0.33	0.0	0.13	-0.16	-6.76e-03	0.48	-0.05	-0.15
		-0.15	-0.05	-1.24e-06		20.0	0.13	-0.16	-6.76e-03	0.48	-0.05	-0.15
						40.0	0.13	-0.15	-6.76e-03	0.48	-0.05	-0.15
64	8	-3.01	9.25e-03	7.53e-04	4.76	0.0	3.22	-8.97	-0.01	0.79	9.25e-03	-6.73
		-6.73	4.93e-03	1.04e-05		20.0	3.22	-9.31	-0.01	0.79	7.09e-03	-4.90
						40.0	3.22	-9.57	-0.01	0.79	4.93e-03	-3.01
64	10	-0.10	-0.04	3.47e-05	0.23	0.0	0.09	-0.11	-4.73e-03	0.33	-0.04	-0.10
		-0.10	-0.04	0.0		20.0	0.09	-0.11	-4.73e-03	0.33	-0.04	-0.10
						40.0	0.09	-0.11	-4.73e-03	0.33	-0.04	-0.10
65	2	-3.31	-5.17e-04	1.01e-06	-1.87	0.0	0.81	-0.17	3.38e-05	5.24e-03	-5.30e-04	-3.31
		-3.32	-5.30e-04	0.0		20.0	0.81	-0.02	3.38e-05	5.23e-03	-5.24e-04	-3.32
						40.0	0.81	0.13	3.38e-05	5.22e-03	-5.17e-04	-3.31

65	7	-5.31	-0.07	1.58e-03	8.27	0.0	-5.54	-4.40	-0.02	0.09	-0.07	-5.31
		-6.60	-0.07	1.79e-06		20.0	-5.54	-3.89	-0.02	0.08	-0.07	-6.00
						40.0	-5.54	-3.39	-0.02	0.08	-0.07	-6.60
65	9	-0.12	0.02	2.99e-04	1.59	0.0	0.31	-13.19	-0.11	0.90	0.02	-2.86
		-2.86	-0.02	-1.58e-05		20.0	0.31	-13.26	-0.11	0.90	1.64e-03	-0.22
						40.0	0.31	-13.21	-0.11	0.90	-0.02	-2.43
65	12	-0.02	7.62e-03	1.51e-04	0.81	0.0	0.10	-4.39	-0.04	0.78	7.62e-03	-0.97
		-0.97	-6.59e-03	5.78e-06		20.0	0.10	-4.42	-0.04	0.78	5.12e-04	-0.09
						40.0	0.10	-4.39	-0.04	0.78	-6.59e-03	-0.79
66	3	-0.55	9.03e-03	-7.22e-06	-1.25	0.0	-0.16	0.65	0.01	0.28	4.18e-03	-0.85
		-0.85	4.18e-03	0.0		20.0	-0.16	0.74	0.01	0.28	6.60e-03	-0.71
						40.0	-0.16	0.83	0.01	0.28	9.03e-03	-0.55
66	5	-0.43	9.82e-03	-2.36e-06	-1.31	0.0	-0.16	0.67	0.01	0.22	4.78e-03	-0.73
		-0.73	4.78e-03	0.0		20.0	-0.16	0.76	0.01	0.22	7.30e-03	-0.59
						40.0	-0.16	0.86	0.01	0.22	9.82e-03	-0.43
66	7	-1.34	-0.04	6.44e-04	2.66	0.0	-2.39	-11.68	0.03	1.88	-0.05	-4.43
		-4.43	-0.05	-6.30e-06		20.0	-2.39	-11.73	0.03	1.88	-0.05	-2.31
						40.0	-2.39	-11.76	0.03	1.88	-0.04	-1.40
66	9	-4.83	0.24	3.98e-03	22.13	0.0	-16.03	-12.88	0.08	4.23	0.21	-4.83
		-9.27	0.21	-1.59e-05		20.0	-16.03	-11.31	0.08	4.22	0.22	-7.19
						40.0	-16.03	-9.77	0.08	4.21	0.24	-9.27
67	2	-1.09	-0.01	3.43e-06	-3.44	0.0	-0.34	0.84	-0.03	-0.30	-0.01	-1.53
		-1.53	-0.03	0.0		20.0	-0.34	1.10	-0.03	-0.30	-0.02	-1.34
						40.0	-0.34	1.36	-0.03	-0.30	-0.03	-1.09
67	3	-0.19	-8.43e-03	-1.38e-05	-2.17	0.0	-0.10	1.66	-0.02	-0.61	-8.43e-03	-0.92
		-0.92	-0.02	0.0		20.0	-0.10	1.82	-0.02	-0.62	-0.01	-0.57
						40.0	-0.10	1.98	-0.02	-0.62	-0.02	-0.19
67	7	-0.74	0.03	8.47e-05	1.92	0.0	-3.91	-7.89	4.57e-03	0.86	0.02	-2.28
		-2.28	0.02	-5.95e-06		20.0	-3.91	-7.97	4.57e-03	0.86	0.02	-0.94
						40.0	-3.91	-8.05	4.57e-03	0.86	0.03	-1.26
67	9	-5.12	0.24	2.78e-05	16.59	0.0	20.38	-4.07	0.08	1.02	0.21	-5.12
		-5.83	0.21	-1.29e-05		20.0	20.38	-3.32	0.08	1.02	0.23	-5.56
						40.0	20.38	-2.91	0.08	1.01	0.24	-5.83
68	3	0.47	0.04	2.28e-06	-2.63	0.0	0.10	-2.27	-0.04	-0.44	0.04	0.47
		-0.36	0.03	0.0		20.0	0.10	-2.07	-0.04	-0.44	0.03	0.03
						40.0	0.10	-1.87	-0.04	-0.44	0.03	-0.36
68	4	0.09	-5.21e-03	-1.64e-06	-3.81	0.0	-0.43	1.71	7.76e-03	0.04	-8.32e-03	-0.09
		-0.09	-8.32e-03	0.0		20.0	-0.43	0.11	7.76e-03	0.04	-6.76e-03	0.09
						40.0	-0.43	-1.49	7.76e-03	0.04	-5.21e-03	-0.04
68	7	-3.02	0.02	7.02e-05	1.96	0.0	6.18	-19.60	0.05	2.33	0.02	-10.76
		-10.76	0.02	-5.64e-06		20.0	6.18	-19.47	0.05	2.33	0.02	-6.86
						40.0	6.18	-19.34	0.05	2.33	0.02	-3.02
68	9	-1.18	0.33	2.87e-03	15.83	0.0	-19.51	-16.53	-0.24	3.83	0.33	-1.89
		-4.81	0.24	-1.15e-05		20.0	-19.51	-15.41	-0.24	3.82	0.28	-2.07
						40.0	-19.51	-14.30	-0.24	3.81	0.24	-4.81
69	2	-1.06	-0.01	-5.88e-06	-3.28	0.0	-0.41	1.68	-0.03	-0.54	-0.01	-1.83
		-1.83	-0.03	0.0		20.0	-0.41	1.93	-0.03	-0.54	-0.02	-1.47
						40.0	-0.41	2.18	-0.03	-0.54	-0.03	-1.06
69	5	-0.42	-4.99e-03	-2.35e-06	-1.31	0.0	-0.16	0.67	-0.01	-0.22	-4.99e-03	-0.73
		-0.73	-0.01	0.0		20.0	-0.16	0.77	-0.01	-0.22	-7.61e-03	-0.59
						40.0	-0.16	0.87	-0.01	-0.22	-0.01	-0.42
69	7	-4.11	0.04	1.24e-03	8.06	0.0	-3.04	-3.88	-0.02	1.34	0.04	-5.09
		-5.09	0.04	-6.35e-06		20.0	-3.04	-4.15	-0.02	1.33	0.04	-4.61
						40.0	-3.04	-4.46	-0.02	1.33	0.04	-4.11
69	9	-4.86	0.25	7.89e-05	22.10	0.0	16.03	-12.73	0.08	4.19	0.21	-4.86
		-9.23	0.21	-1.59e-05		20.0	16.03	-11.15	0.08	4.18	0.23	-7.19
						40.0	16.03	-9.62	0.08	4.17	0.25	-9.23
70	3	-0.20	0.02	1.38e-05	-2.17	0.0	-0.10	1.64	0.02	0.61	8.01e-03	-0.92
		-0.92	8.01e-03	0.0		20.0	-0.10	1.80	0.02	0.61	0.01	-0.57
						40.0	-0.10	1.96	0.02	0.62	0.02	-0.20
70	6	-0.53	0.03	-1.10e-05	1.07	0.0	-3.86	-11.41	8.98e-03	1.56	-0.02	-2.41
		-2.41	-0.02	5.84e-06		20.0	-3.86	-11.42	8.98e-03	1.56	1.28e-03	-0.53
						40.0	-3.86	-11.43	8.98e-03	1.56	0.03	-2.28
70	9	-5.11	0.24	3.03e-03	16.61	0.0	-20.47	-4.10	0.07	1.03	0.21	-5.11
		-5.84	0.21	-1.29e-05		20.0	-20.47	-3.34	0.07	1.03	0.22	-5.57
						40.0	-20.47	-2.92	0.07	1.02	0.24	-5.84
71	3	1.53	0.04	-1.44e-06	-2.66	0.0	0.30	-4.00	-0.22	0.71	0.04	1.53
		8.04e-03	-0.04	0.0		20.0	0.30	-3.80	-0.22	0.71	-5.85e-04	0.75
						40.0	0.30	-3.60	-0.22	0.71	-0.04	8.04e-03
71	4	0.04	8.44e-03	1.63e-06	-3.83	0.0	-0.46	1.88	0.05	-0.20	-0.01	-0.18
		-0.18	-0.01	0.0		20.0	-0.46	0.28	0.05	-0.20	-1.34e-03	0.04
						40.0	-0.46	-1.32	0.05	-0.20	8.44e-03	-0.07
71	6	-6.92	0.71	4.93e-06	1.48	0.0	9.54	-25.34	-1.84	0.89	0.71	-16.97
		-16.97	-0.03	5.65e-06		20.0	9.54	-25.23	-1.84	0.90	0.34	-11.92
						40.0	9.54	-25.12	-1.84	0.90	-0.03	-6.92
71	8	-1.61	0.27	2.77e-06	14.29	0.0	11.48	-16.41	1.14	4.19	-0.22	-2.34
		-4.71	-0.22	6.25e-06		20.0	11.48	-15.39	1.14	4.18	0.03	-2.18

						40.0	11.48	-14.39	1.14	4.18	0.27	-4.71
71	9	-1.08	0.42	2.71e-05	16.18	0.0	18.98	-31.19	0.53	6.30	0.42	-8.38
		-8.38	0.29	-1.22e-05		20.0	18.98	-30.03	0.53	6.29	0.36	-2.45
						40.0	18.98	-28.88	0.53	6.28	0.29	-3.85
72	4	-2.95	3.82e-05	7.73e-06	-2.32	0.0	-0.06	-0.71	-3.59e-06	6.03e-05	3.82e-05	-2.95
		-3.16	3.67e-05	0.0		20.0	-0.06	-0.53	-3.59e-06	6.14e-05	3.75e-05	-3.07
						40.0	-0.06	-0.35	-3.59e-06	6.25e-05	3.67e-05	-3.16
72	6	-0.15	-0.05	4.92e-05	0.32	0.0	0.12	-0.15	-5.44e-03	0.43	-0.05	-0.15
		-0.16	-0.05	-1.44e-06		20.0	0.12	-0.15	-5.44e-03	0.44	-0.05	-0.15
						40.0	0.12	-0.15	-5.44e-03	0.44	-0.05	-0.16
72	8	-0.62	4.95e-03	3.77e-04	2.82	0.0	1.59	-9.21	-8.18e-03	0.79	4.95e-03	-4.38
		-4.38	1.68e-03	1.04e-05		20.0	1.59	-9.39	-8.18e-03	0.79	3.31e-03	-2.51
						40.0	1.59	-9.50	-8.18e-03	0.79	1.68e-03	-0.62
72	10	-0.10	-0.04	3.42e-05	0.23	0.0	0.09	-0.11	-3.81e-03	0.30	-0.04	-0.10
		-0.10	-0.04	-1.01e-06		20.0	0.09	-0.10	-3.81e-03	0.30	-0.04	-0.10
						40.0	0.09	-0.10	-3.81e-03	0.30	-0.04	-0.10
73	2	-3.15	-1.82e-04	7.61e-06	-1.94	0.0	0.83	0.38	8.38e-04	-0.13	-5.17e-04	-3.36
		-3.36	-5.17e-04	0.0		20.0	0.83	0.53	8.38e-04	-0.13	-3.49e-04	-3.27
						40.0	0.83	0.69	8.38e-04	-0.13	-1.82e-04	-3.15
73	4	-1.90	3.65e-03	-4.58e-06	-6.35	0.0	0.12	1.60	3.45e-04	0.11	3.51e-03	-2.09
		-2.09	3.51e-03	0.0		20.0	0.12	0.20	3.45e-04	0.11	3.58e-03	-1.91
						40.0	0.12	-1.20	3.45e-04	0.11	3.65e-03	-2.01
73	6	-5.39	-0.07	1.60e-03	8.57	0.0	-5.81	-3.52	-0.02	0.84	-0.07	-6.71
		-6.71	-0.08	-1.97e-06		20.0	-5.81	-4.05	-0.02	0.84	-0.07	-6.10
						40.0	-5.81	-4.61	-0.02	0.84	-0.08	-5.39
73	9	-2.33	-0.02	3.05e-04	4.49	0.0	-5.17	-13.23	-0.12	1.01	-0.02	-2.33
		-7.54	-0.07	-1.59e-05		20.0	-5.17	-13.06	-0.12	1.01	-0.04	-4.96
						40.0	-5.17	-12.76	-0.12	1.01	-0.07	-7.54
73	12	-1.15	-6.59e-03	-1.53e-04	2.26	0.0	-1.73	-4.36	-0.04	0.83	-6.59e-03	-1.15
		-2.84	-0.02	5.77e-06		20.0	-1.73	-4.27	-0.04	0.83	-0.01	-2.01
						40.0	-1.73	-4.13	-0.04	0.83	-0.02	-2.84
74	5	-0.62	4.78e-03	0.0	-1.29	0.0	-0.18	0.18	5.60e-04	0.09	4.55e-03	-0.73
		-0.73	4.55e-03	0.0		20.0	-0.18	0.28	5.60e-04	0.09	4.66e-03	-0.69
						40.0	-0.18	0.37	5.60e-04	0.09	4.78e-03	-0.62
74	7	-2.54	-0.05	7.53e-04	3.13	0.0	3.32	-11.47	0.04	2.26	-0.06	-6.50
		-6.50	-0.06	-6.40e-06		20.0	3.32	-11.54	0.04	2.26	-0.06	-4.38
						40.0	3.32	-11.59	0.04	2.26	-0.05	-2.54
74	9	-2.81	0.23	4.16e-03	23.20	0.0	-16.44	-21.21	-0.05	6.95	0.23	-2.81
		-10.51	0.21	-1.64e-05		20.0	-16.44	-19.54	-0.05	6.94	0.22	-6.79
						40.0	-16.44	-17.92	-0.05	6.93	0.21	-10.51
75	4	-0.46	2.59e-03	-6.59e-06	-4.09	0.0	-0.42	1.87	-2.34e-03	-0.04	2.59e-03	-0.68
		-0.68	1.65e-03	0.0		20.0	-0.42	0.29	-2.34e-03	-0.04	2.12e-03	-0.47
						40.0	-0.42	-1.29	-2.34e-03	-0.04	1.65e-03	-0.57
75	6	-0.78	-0.02	2.26e-04	1.31	0.0	-2.32	-12.70	2.92e-03	2.03	-0.02	-4.87
		-4.87	-0.02	5.78e-06		20.0	-2.32	-12.64	2.92e-03	2.03	-0.02	-2.41
						40.0	-2.32	-12.58	2.92e-03	2.02	-0.02	-0.81
75	9	-3.79	0.22	4.13e-05	17.04	0.0	21.10	-9.22	-0.03	2.59	0.22	-3.79
		-6.76	0.21	-1.35e-05		20.0	21.10	-8.04	-0.03	2.58	0.22	-5.36
						40.0	21.10	-6.91	-0.03	2.58	0.21	-6.76
76	3	1.54	0.04	1.46e-06	-2.66	0.0	0.29	-4.01	0.14	-0.68	-0.01	1.54
		0.02	-0.01	0.0		20.0	0.29	-3.81	0.14	-0.68	0.02	0.76
						40.0	0.29	-3.61	0.14	-0.68	0.04	0.02
76	7	-7.72	0.02	5.94e-05	2.10	0.0	10.09	-31.95	1.43	0.92	-0.57	-20.41
		-20.41	-0.57	-5.79e-06		20.0	10.09	-31.79	1.43	0.92	-0.28	-14.04
						40.0	10.09	-31.65	1.43	0.91	0.02	-7.72
76	9	-1.19	0.47	2.92e-03	16.21	0.0	-19.56	-32.32	0.50	7.37	0.47	-9.13
		-9.13	0.33	-1.23e-05		20.0	-19.56	-31.16	0.50	7.36	0.40	-2.94
						40.0	-19.56	-30.01	0.50	7.35	0.33	-3.58
77	2	-1.55	-0.01	-2.01e-06	-3.21	0.0	-0.47	0.46	-4.61e-04	-0.22	-0.01	-1.83
		-1.83	-0.01	0.0		20.0	-0.47	0.70	-4.61e-04	-0.22	-0.01	-1.71
						40.0	-0.47	0.94	-4.61e-04	-0.22	-0.01	-1.55
77	5	-0.62	-4.92e-03	0.0	-1.28	0.0	-0.19	0.18	-1.84e-04	-0.09	-4.92e-03	-0.73
		-0.73	-4.99e-03	0.0		20.0	-0.19	0.28	-1.84e-04	-0.09	-4.96e-03	-0.68
						40.0	-0.19	0.38	-1.84e-04	-0.09	-4.99e-03	-0.62
77	9	-2.86	0.24	9.61e-05	23.17	0.0	16.52	-20.96	-0.06	6.88	0.24	-2.86
		-10.46	0.21	-1.65e-05		20.0	16.52	-19.29	-0.06	6.87	0.23	-6.79
						40.0	16.52	-17.66	-0.06	6.86	0.21	-10.46
78	4	-0.46	-1.58e-03	6.59e-06	-4.09	0.0	-0.42	1.86	2.17e-03	0.04	-2.45e-03	-0.68
		-0.68	-2.45e-03	0.0		20.0	-0.42	0.28	2.17e-03	0.04	-2.01e-03	-0.46
						40.0	-0.42	-1.30	2.17e-03	0.04	-1.58e-03	-0.56
78	6	-0.92	-0.02	-1.33e-05	1.19	0.0	2.56	-11.05	3.56e-03	1.59	-0.02	-4.74
		-4.74	-0.02	5.90e-06		20.0	2.56	-11.05	3.56e-03	1.59	-0.02	-2.61
						40.0	2.56	-11.05	3.56e-03	1.59	-0.02	-0.92
78	9	-3.77	0.22	3.10e-03	17.06	0.0	-21.17	-9.33	-0.02	2.62	0.22	-3.77
		-6.79	0.21	-1.35e-05		20.0	-21.17	-8.15	-0.02	2.62	0.21	-5.36
						40.0	-21.17	-7.01	-0.02	2.61	0.21	-6.79
79	2	-3.31	6.23e-05	1.01e-06	-1.87	0.0	0.87	-0.16	8.30e-06	1.67e-04	5.90e-05	-3.31

		-3.32	5.90e-05	0.0		20.0	0.87	-0.01	8.30e-06	1.64e-04	6.07e-05	-3.32
						40.0	0.87	0.14	8.30e-06	1.60e-04	6.23e-05	-3.31
79	4	-3.13	3.74e-05	0.0	-2.25	0.0	-0.06	-0.20	1.70e-06	-1.68e-04	3.67e-05	-3.13
		-3.16	3.67e-05	0.0		20.0	-0.06	-0.02	1.70e-06	-1.67e-04	3.71e-05	-3.15
						40.0	-0.06	0.16	1.70e-06	-1.66e-04	3.74e-05	-3.14
79	6	-0.15	-0.05	4.99e-05	0.33	0.0	0.12	-0.15	-5.58e-03	0.42	-0.05	-0.15
		-0.16	-0.05	-1.64e-06		20.0	0.12	-0.14	-5.58e-03	0.42	-0.05	-0.16
						40.0	0.12	-0.14	-5.58e-03	0.42	-0.05	-0.16
79	9	-0.09	2.40e-03	1.71e-04	0.92	0.0	0.05	-9.02	0.01	0.78	-2.93e-03	-1.90
		-1.90	-2.93e-03	-1.24e-05		20.0	0.05	-9.06	0.01	0.78	-2.65e-04	-0.09
						40.0	0.05	-9.03	0.01	0.78	2.40e-03	-1.72
79	13	-0.06	1.68e-03	1.20e-04	0.65	0.0	0.03	-6.32	9.33e-03	0.54	-2.05e-03	-1.33
		-1.33	-2.05e-03	-8.66e-06		20.0	0.03	-6.34	9.33e-03	0.54	-1.86e-04	-0.06
						40.0	0.03	-6.32	9.33e-03	0.54	1.68e-03	-1.20
80	2	-2.85	-1.82e-04	1.52e-05	-2.10	0.0	0.89	0.95	-2.26e-04	-0.27	-1.82e-04	-3.30
		-3.30	-2.72e-04	0.0		20.0	0.89	1.11	-2.26e-04	-0.27	-2.27e-04	-3.09
						40.0	0.89	1.27	-2.26e-04	-0.27	-2.72e-04	-2.85
80	3	-1.05	-8.09e-04	-5.60e-06	-0.56	0.0	0.25	0.36	-1.57e-04	-0.09	-8.09e-04	-1.21
		-1.21	-8.72e-04	0.0		20.0	0.25	0.40	-1.57e-04	-0.09	-8.40e-04	-1.13
						40.0	0.25	0.44	-1.57e-04	-0.09	-8.72e-04	-1.05
80	4	-1.70	4.95e-03	9.02e-06	-6.44	0.0	0.11	1.79	3.27e-03	0.24	3.65e-03	-1.93
		-1.93	3.65e-03	0.0		20.0	0.11	0.39	3.27e-03	0.24	4.30e-03	-1.72
						40.0	0.11	-1.00	3.27e-03	0.24	4.95e-03	-1.78
80	9	-7.66	-0.07	3.23e-04	7.74	0.0	-10.83	-12.95	-0.11	1.37	-0.07	-7.66
		-12.65	-0.11	-1.60e-05		20.0	-10.83	-12.53	-0.11	1.37	-0.09	-10.20
						40.0	-10.83	-11.99	-0.11	1.37	-0.11	-12.65
81	5	-0.64	7.78e-03	0.0	-1.28	0.0	-0.20	-0.28	-8.08e-03	-0.04	7.78e-03	-0.64
		-0.72	4.55e-03	0.0		20.0	-0.20	-0.18	-8.08e-03	-0.04	6.17e-03	-0.69
						40.0	-0.20	-0.09	-8.08e-03	-0.04	4.55e-03	-0.72
81	7	-4.31	-0.06	8.87e-04	3.75	0.0	5.53	-11.96	0.07	2.60	-0.09	-8.52
		-8.52	-0.09	-6.53e-06		20.0	5.53	-12.05	0.07	2.60	-0.08	-6.33
						40.0	5.53	-12.12	0.07	2.59	-0.06	-4.31
81	9	-0.93	0.37	4.36e-03	24.48	0.0	-16.97	-30.78	-0.36	10.06	0.37	-0.93
		-11.32	0.23	-1.71e-05		20.0	-16.97	-29.02	-0.36	10.05	0.30	-5.72
						40.0	-16.97	-27.31	-0.36	10.04	0.23	-11.32
82	4	-0.54	6.22e-03	7.92e-06	-4.16	0.0	-0.47	1.89	-9.08e-03	-0.10	6.22e-03	-0.77
		-0.77	2.59e-03	0.0		20.0	-0.47	0.32	-9.08e-03	-0.10	4.40e-03	-0.54
						40.0	-0.47	-1.26	-9.08e-03	-0.10	2.59e-03	-0.64
82	5	-0.34	-7.11e-03	1.26e-06	-1.37	0.0	-0.13	-0.77	0.02	0.15	-0.01	-0.34
		-0.60	-0.01	0.0		20.0	-0.13	-0.67	0.02	0.15	-0.01	-0.48
						40.0	-0.13	-0.56	0.02	0.15	-7.11e-03	-0.60
82	6	-2.54	-0.02	-1.32e-05	1.46	0.0	3.86	-13.06	0.06	1.93	-0.03	-7.52
		-7.52	-0.03	5.83e-06		20.0	3.86	-12.99	0.06	1.93	-0.03	-4.97
						40.0	3.86	-12.93	0.06	1.93	-0.02	-2.54
82	7	-3.62	0.03	1.09e-04	2.41	0.0	2.98	-6.81	0.06	0.98	-0.04	-5.98
		-5.98	-0.04	-6.07e-06		20.0	2.98	-6.88	0.06	0.98	-8.53e-03	-4.76
						40.0	2.98	-6.95	0.06	0.97	0.03	-3.62
82	9	-1.95	0.27	5.37e-05	17.64	0.0	21.49	-15.44	-0.12	4.39	0.27	-1.95
		-7.27	0.22	-1.41e-05		20.0	21.49	-14.18	-0.12	4.39	0.25	-4.63
						40.0	21.49	-12.95	-0.12	4.38	0.22	-7.27
83	2	-1.61	-0.01	-2.16e-06	-3.21	0.0	-0.51	-0.71	0.02	0.10	-0.02	-1.61
		-1.79	-0.02	0.0		20.0	-0.51	-0.46	0.02	0.10	-0.02	-1.72
						40.0	-0.51	-0.22	0.02	0.10	-0.01	-1.79
83	9	-0.92	0.38	1.12e-04	24.45	0.0	17.08	-30.54	-0.35	9.90	0.38	-0.92
		-11.27	0.24	-1.71e-05		20.0	17.08	-28.78	-0.35	9.89	0.31	-5.72
						40.0	17.08	-27.07	-0.35	9.88	0.24	-11.27
83	13	-0.64	0.26	7.81e-05	17.12	0.0	11.96	-21.39	-0.24	6.93	0.26	-0.64
		-7.89	0.17	-1.20e-05		20.0	11.96	-20.15	-0.24	6.93	0.22	-4.00
						40.0	11.96	-18.95	-0.24	6.92	0.17	-7.89
84	5	-0.34	0.01	-1.25e-06	-1.37	0.0	-0.13	-0.76	-0.02	-0.15	0.01	-0.34
		-0.60	6.51e-03	0.0		20.0	-0.13	-0.66	-0.02	-0.15	9.74e-03	-0.48
						40.0	-0.13	-0.55	-0.02	-0.15	6.51e-03	-0.60
84	6	-2.96	0.03	-1.57e-05	1.35	0.0	3.01	-11.14	-0.04	1.44	0.03	-7.18
		-7.18	-0.02	5.95e-06		20.0	3.01	-11.13	-0.04	1.44	5.12e-03	-5.03
						40.0	3.01	-11.12	-0.04	1.44	-0.02	-2.96
84	7	-1.65	0.03	1.21e-04	2.68	0.0	4.03	-16.55	-0.04	2.95	0.03	-7.92
		-7.92	0.02	-5.94e-06		20.0	4.03	-16.37	-0.04	2.94	0.02	-4.68
						40.0	4.03	-16.19	-0.04	2.94	0.02	-1.65
84	9	-1.92	0.27	3.19e-03	17.67	0.0	-21.59	-15.58	-0.13	4.47	0.27	-1.92
		-7.29	0.22	-1.41e-05		20.0	-21.59	-14.32	-0.13	4.46	0.24	-4.62
						40.0	-21.59	-13.09	-0.13	4.45	0.22	-7.29
85	2	-3.19	9.34e-05	7.60e-06	-1.95	0.0	0.88	0.18	7.76e-05	-3.46e-03	6.23e-05	-3.33
		-3.33	6.23e-05	0.0		20.0	0.88	0.33	7.76e-05	-3.46e-03	7.79e-05	-3.28
						40.0	0.88	0.49	7.76e-05	-3.46e-03	9.34e-05	-3.19
85	7	-0.13	-0.05	4.61e-05	0.28	0.0	0.12	-0.25	5.53e-03	0.80	-0.05	-0.15
		-0.15	-0.05	1.51e-06		20.0	0.12	-0.26	5.53e-03	0.80	-0.05	-0.13
						40.0	0.12	-0.27	5.53e-03	0.80	-0.05	-0.13

85	8	-0.44	-1.53e-03	1.83e-04	2.69	0.0	-1.49	-9.50	-8.17e-03	0.79	-1.53e-03	-0.44
		-4.20	-4.80e-03	1.04e-05		20.0	-1.49	-9.40	-8.17e-03	0.79	-3.17e-03	-2.33
						40.0	-1.49	-9.22	-8.17e-03	0.79	-4.80e-03	-4.20
85	9	-0.43	7.81e-03	1.74e-04	2.55	0.0	-1.40	-9.11	0.01	0.78	2.38e-03	-0.43
		-4.03	2.38e-03	-1.24e-05		20.0	-1.40	-9.01	0.01	0.78	5.09e-03	-2.24
						40.0	-1.40	-8.84	0.01	0.78	7.81e-03	-4.03
85	11	-0.08	-0.04	3.20e-05	0.20	0.0	0.08	-0.18	3.87e-03	0.56	-0.04	-0.09
		-0.09	-0.04	1.05e-06		20.0	0.08	-0.18	3.87e-03	0.56	-0.04	-0.08
						40.0	0.08	-0.19	3.87e-03	0.56	-0.04	-0.08
86	2	-2.42	-2.72e-04	-2.23e-05	-2.33	0.0	1.00	1.56	-1.75e-03	-0.41	-2.72e-04	-3.11
		-3.11	-9.71e-04	0.0		20.0	1.00	1.73	-1.75e-03	-0.41	-6.22e-04	-2.78
						40.0	1.00	1.91	-1.75e-03	-0.41	-9.71e-04	-2.42
86	3	-0.89	-8.72e-04	-8.19e-06	-0.64	0.0	0.29	0.58	-1.56e-03	-0.14	-8.72e-04	-1.14
		-1.14	-1.50e-03	0.0		20.0	0.29	0.63	-1.56e-03	-0.14	-1.18e-03	-1.02
						40.0	0.29	0.67	-1.56e-03	-0.14	-1.50e-03	-0.89
86	4	-1.37	0.01	1.29e-05	-6.56	0.0	0.09	1.96	0.01	0.39	4.95e-03	-1.64
		-1.64	4.95e-03	0.0		20.0	0.09	0.57	0.01	0.38	7.54e-03	-1.39
						40.0	0.09	-0.81	0.01	0.38	0.01	-1.42
86	9	-13.23	-0.11	3.54e-04	11.31	0.0	-16.99	-12.61	-0.06	2.06	-0.11	-13.23
		-17.98	-0.13	-1.63e-05		20.0	-16.99	-11.93	-0.06	2.06	-0.12	-15.68
						40.0	-16.99	-11.12	-0.06	2.06	-0.13	-17.98
87	4	-0.40	-2.81e-03	3.41e-05	-6.31	0.0	-0.53	0.78	1.15e-03	0.55	-3.27e-03	-0.45
		-0.70	-3.27e-03	0.0		20.0	-0.53	-0.62	1.15e-03	0.55	-3.04e-03	-0.43
						40.0	-0.53	-2.04	1.15e-03	0.55	-2.81e-03	-0.70
87	7	-6.07	-0.09	1.05e-03	4.55	0.0	8.24	-14.78	0.36	2.91	-0.24	-11.33
		-11.33	-0.24	-6.75e-06		20.0	8.24	-14.90	0.36	2.91	-0.16	-8.61
						40.0	8.24	-15.00	0.36	2.90	-0.09	-6.07
87	9	-0.98	0.99	4.60e-03	25.95	0.0	-17.55	-44.34	-1.56	13.92	0.99	-5.25
		-11.86	0.37	-1.82e-05		20.0	-17.55	-42.48	-1.56	13.91	0.68	-3.63
						40.0	-17.55	-40.67	-1.56	13.90	0.37	-11.86
88	2	0.04	-0.04	5.46e-06	-3.50	0.0	-0.21	-3.58	0.05	0.72	-0.06	0.04
		-1.29	-0.06	0.0		20.0	-0.21	-3.32	0.05	0.72	-0.05	-0.65
						40.0	-0.21	-3.06	0.05	0.72	-0.04	-1.29
88	4	-0.60	7.78e-03	9.41e-06	-4.25	0.0	-0.53	1.87	-3.91e-03	-0.20	7.78e-03	-0.82
		-0.82	6.22e-03	0.0		20.0	-0.53	0.30	-3.91e-03	-0.20	7.00e-03	-0.60
						40.0	-0.53	-1.26	-3.91e-03	-0.20	6.22e-03	-0.70
88	6	-5.24	-0.03	2.74e-04	1.55	0.0	6.46	-14.49	-0.03	1.52	-0.04	-10.83
		-10.83	-0.04	5.87e-06		20.0	6.46	-14.43	-0.03	1.51	-0.03	-8.00
						40.0	6.46	-14.36	-0.03	1.51	-0.03	-5.24
88	9	-1.09	0.35	6.33e-05	18.38	0.0	21.44	-24.14	-0.21	6.37	0.35	-2.21
		-7.27	0.27	-1.48e-05		20.0	21.44	-22.82	-0.21	6.36	0.31	-2.97
						40.0	21.44	-21.53	-0.21	6.35	0.27	-7.27
89	2	-1.15	-0.02	-6.09e-06	-3.28	0.0	-0.52	-1.91	0.05	0.40	-0.04	-1.15
		-1.82	-0.04	0.0		20.0	-0.52	-1.66	0.05	0.40	-0.03	-1.51
						40.0	-0.52	-1.41	0.05	0.40	-0.02	-1.82
89	4	-0.41	3.31e-03	-3.41e-05	-6.31	0.0	-0.53	0.77	1.68e-03	-0.55	2.64e-03	-0.45
		-0.70	2.64e-03	0.0		20.0	-0.53	-0.63	1.68e-03	-0.55	2.98e-03	-0.43
						40.0	-0.53	-2.04	1.68e-03	-0.55	3.31e-03	-0.70
89	9	-0.96	0.89	1.23e-04	25.91	0.0	17.66	-43.66	-1.28	13.62	0.89	-5.22
		-11.62	0.38	-1.82e-05		20.0	17.66	-41.81	-1.28	13.61	0.63	-3.53
						40.0	17.66	-40.00	-1.28	13.60	0.38	-11.62
90	2	0.03	0.05	-5.46e-06	-3.50	0.0	-0.22	-3.57	-0.06	-0.71	0.05	0.03
		-1.29	0.03	0.0		20.0	-0.22	-3.31	-0.06	-0.71	0.04	-0.65
						40.0	-0.22	-3.05	-0.06	-0.71	0.03	-1.29
90	6	-5.56	0.03	-2.01e-05	1.56	0.0	5.10	-13.05	0.05	1.07	-0.05	-10.56
		-10.56	-0.05	6.03e-06		20.0	5.10	-13.05	0.05	1.07	-7.04e-03	-8.03
						40.0	5.10	-13.04	0.05	1.07	0.03	-5.56
90	7	-4.39	0.04	3.88e-04	2.83	0.0	6.72	-20.13	0.07	2.50	0.04	-12.20
		-12.20	0.03	-6.00e-06		20.0	6.72	-19.94	0.07	2.50	0.03	-8.24
						40.0	6.72	-19.76	0.07	2.50	0.03	-4.39
90	9	-1.13	0.39	3.31e-03	18.41	0.0	-21.65	-24.83	-0.31	6.51	0.39	-2.37
		-7.38	0.27	-1.48e-05		20.0	-21.65	-23.51	-0.31	6.50	0.33	-2.94
						40.0	-21.65	-22.21	-0.31	6.49	0.27	-7.38
91	2	-2.98	2.65e-04	1.53e-05	-2.10	0.0	0.93	0.53	4.28e-04	-6.91e-03	9.34e-05	-3.25
		-3.25	9.34e-05	0.0		20.0	0.93	0.68	4.28e-04	-6.91e-03	1.79e-04	-3.13
						40.0	0.93	0.85	4.28e-04	-6.92e-03	2.65e-04	-2.98
91	7	-0.13	-0.05	4.33e-05	0.24	0.0	0.13	-0.27	6.73e-03	0.87	-0.05	-0.13
		-0.15	-0.05	1.31e-06		20.0	0.13	-0.28	6.73e-03	0.87	-0.05	-0.13
						40.0	0.13	-0.28	6.73e-03	0.87	-0.05	-0.15
91	8	-2.83	-4.78e-03	1.92e-04	4.62	0.0	-3.11	-9.56	-0.01	0.79	-4.78e-03	-2.83
		-6.55	-9.00e-03	1.04e-05		20.0	-3.11	-9.31	-0.01	0.79	-6.89e-03	-4.72
						40.0	-3.11	-8.98	-0.01	0.79	-9.00e-03	-6.55
91	9	-2.72	0.01	1.82e-04	4.38	0.0	-2.93	-9.17	0.02	0.77	7.79e-03	-2.72
		-6.29	7.79e-03	-1.23e-05		20.0	-2.93	-8.94	0.02	0.77	0.01	-4.53
						40.0	-2.93	-8.63	0.02	0.77	0.01	-6.29
91	11	-0.08	-0.04	3.00e-05	0.17	0.0	0.09	-0.19	4.71e-03	0.61	-0.04	-0.08
		-0.10	-0.04	0.0		20.0	0.09	-0.19	4.71e-03	0.61	-0.04	-0.08

						40.0	0.09	-0.20	4.71e-03	0.61	-0.04	-0.10
92	2	-1.82	7.93e-03	-2.84e-05	-2.62	0.0	1.18	2.25	0.02	-0.56	-9.71e-04	-2.79
		-2.79	-9.71e-04	0.0		20.0	1.18	2.44	0.02	-0.56	3.48e-03	-2.32
						40.0	1.18	2.64	0.02	-0.56	7.93e-03	-1.82
92	3	-0.66	5.68e-04	-1.04e-05	-0.74	0.0	0.36	0.84	5.16e-03	-0.19	-1.50e-03	-1.02
		-1.02	-1.50e-03	0.0		20.0	0.36	0.89	5.16e-03	-0.19	-4.64e-04	-0.84
						40.0	0.36	0.94	5.16e-03	-0.19	5.68e-04	-0.66
92	4	-0.89	0.02	1.57e-05	-6.71	0.0	0.05	2.10	0.02	0.57	0.01	-1.21
		-1.21	0.01	0.0		20.0	0.05	0.72	0.02	0.57	0.01	-0.93
						40.0	0.05	-0.65	0.02	0.57	0.02	-0.92
92	9	-19.26	-0.13	3.99e-04	15.36	0.0	-24.09	-13.76	-0.50	3.49	-0.13	-19.26
		-24.33	-0.34	-1.66e-05		20.0	-24.09	-12.80	-0.50	3.49	-0.23	-21.90
						40.0	-24.09	-11.69	-0.50	3.49	-0.34	-24.33
93	4	0.23	0.03	3.45e-05	-6.64	0.0	-0.67	0.43	-0.09	0.75	0.03	0.22
		-0.16	-3.27e-03	0.0		20.0	-0.67	-0.94	-0.09	0.75	0.01	0.17
						40.0	-0.67	-2.33	-0.09	0.75	-3.27e-03	-0.16
93	7	-8.87	-0.24	1.26e-03	5.61	0.0	11.29	-25.31	1.11	3.79	-0.66	-18.35
		-18.35	-0.66	-7.29e-06		20.0	11.29	-25.51	1.11	3.79	-0.45	-13.51
						40.0	11.29	-25.67	1.11	3.79	-0.24	-8.87
93	9	-1.27	1.35	4.85e-03	27.56	0.0	-17.84	-72.21	-0.91	20.55	1.35	-17.22
		-17.22	0.99	-2.04e-05		20.0	-17.84	-70.25	-0.91	20.54	1.17	-3.15
						40.0	-17.84	-68.34	-0.91	20.52	0.99	-10.98
94	2	1.62	0.04	-5.90e-06	-3.58	0.0	0.01	-6.07	-0.25	1.07	0.04	1.62
		-0.70	-0.06	0.0		20.0	0.01	-5.80	-0.25	1.07	-6.68e-03	0.44
						40.0	0.01	-5.54	-0.25	1.07	-0.06	-0.70
94	4	-0.59	7.78e-03	-1.10e-05	-4.36	0.0	-0.63	1.62	0.09	-0.37	-0.03	-0.76
		-0.76	-0.03	0.0		20.0	-0.63	0.06	0.09	-0.37	-0.01	-0.59
						40.0	-0.63	-1.50	0.09	-0.37	7.78e-03	-0.73
94	6	-8.85	0.68	2.86e-04	1.61	0.0	9.71	-23.69	-1.72	1.34	0.68	-18.14
		-18.14	-0.04	6.05e-06		20.0	9.71	-23.65	-1.72	1.34	0.32	-13.46
						40.0	9.71	-23.59	-1.72	1.34	-0.04	-8.85
94	8	-1.77	0.24	3.01e-05	14.10	0.0	8.63	-20.61	1.12	5.56	-0.24	-2.85
		-5.85	-0.24	3.57e-06		20.0	8.63	-19.61	1.12	5.56	-5.99e-06	-2.49
						40.0	8.63	-18.63	1.12	5.55	0.24	-5.85
94	9	-1.16	0.41	6.59e-05	19.18	0.0	20.31	-41.35	0.42	9.15	0.41	-10.12
		-10.12	0.35	-1.56e-05		20.0	20.31	-39.97	0.42	9.14	0.38	-2.25
						40.0	20.31	-38.62	0.42	9.13	0.35	-6.04
95	2	1.65	0.05	5.87e-06	-3.58	0.0	6.97e-03	-6.09	0.15	-1.03	-4.85e-03	1.65
		-0.68	-4.85e-03	0.0		20.0	6.97e-03	-5.82	0.15	-1.03	0.02	0.46
						40.0	6.97e-03	-5.56	0.15	-1.03	0.05	-0.68
95	7	-9.11	0.04	4.03e-04	2.83	0.0	10.22	-32.63	1.34	1.63	-0.55	-21.97
		-21.97	-0.55	-6.20e-06		20.0	10.22	-32.45	1.34	1.63	-0.25	-15.49
						40.0	10.22	-32.26	1.34	1.63	0.04	-9.11
95	9	-1.31	0.44	3.43e-03	19.23	0.0	-20.86	-42.85	0.36	10.35	0.44	-11.08
		-11.08	0.39	-1.57e-05		20.0	-20.86	-41.47	0.36	10.34	0.42	-2.85
						40.0	-20.86	-40.12	0.36	10.33	0.39	-5.70
96	2	-2.67	7.71e-04	-2.25e-05	-2.32	0.0	1.02	0.86	1.27e-03	-9.94e-03	2.65e-04	-3.08
		-3.08	2.65e-04	0.0		20.0	1.02	1.03	1.27e-03	-9.94e-03	5.18e-04	-2.89
						40.0	1.02	1.21	1.27e-03	-9.95e-03	7.71e-04	-2.67
96	7	-0.13	-0.05	4.28e-05	0.21	0.0	0.14	-0.30	-0.05	1.03	-0.05	-0.13
		-0.20	-0.07	1.10e-06		20.0	0.14	-0.30	-0.05	1.03	-0.06	-0.16
						40.0	0.14	-0.30	-0.05	1.03	-0.07	-0.20
96	8	-5.14	-8.98e-03	2.06e-04	6.69	0.0	-4.88	-9.88	-0.02	0.77	-8.98e-03	-5.14
		-8.92	-0.02	1.04e-05		20.0	-4.88	-9.48	-0.02	0.77	-0.01	-7.07
						40.0	-4.88	-8.99	-0.02	0.77	-0.02	-8.92
96	9	-4.94	0.01	1.95e-04	6.35	0.0	-4.61	-9.50	-6.38e-03	0.75	0.01	-4.94
		-8.58	0.01	-1.23e-05		20.0	-4.61	-9.12	-6.38e-03	0.75	0.01	-6.80
						40.0	-4.61	-8.66	-6.38e-03	0.75	0.01	-8.58
96	11	-0.08	-0.04	2.96e-05	0.14	0.0	0.10	-0.21	-0.03	0.72	-0.04	-0.08
		-0.13	-0.05	0.0		20.0	0.10	-0.21	-0.03	0.72	-0.04	-0.10
						40.0	0.10	-0.21	-0.03	0.72	-0.05	-0.13
97	2	-1.00	0.08	-3.32e-05	-2.97	0.0	1.42	3.14	0.17	-0.68	7.93e-03	-2.34
		-2.34	7.93e-03	0.0		20.0	1.42	3.36	0.17	-0.68	0.04	-1.69
						40.0	1.42	3.58	0.17	-0.68	0.08	-1.00
97	4	-0.27	0.02	-1.73e-05	-6.87	0.0	-0.02	2.17	-0.04	0.83	0.02	-0.62
		-0.62	5.24e-03	0.0		20.0	-0.02	0.80	-0.04	0.83	0.01	-0.32
						40.0	-0.02	-0.56	-0.04	0.82	5.24e-03	-0.30
97	9	-26.87	-0.34	4.62e-04	20.10	0.0	-31.79	-28.46	-4.39	7.00	-0.34	-26.87
		-37.69	-2.09	-1.80e-05		20.0	-31.79	-27.18	-4.39	7.00	-1.21	-32.42
						40.0	-31.79	-25.71	-4.39	7.00	-2.09	-37.69
98	1	2.46	0.03	4.35e-05	-14.97	0.0	0.58	8.71	-0.08	-0.74	0.03	-1.44
		-1.44	-5.24e-03	0.0		21.4	0.58	9.10	-0.08	-0.74	0.01	0.47
						42.8	0.58	9.50	-0.08	-0.75	-5.24e-03	2.46
98	2	0.40	0.08	3.89e-05	-3.37	0.0	1.79	4.69	-0.16	-0.73	0.08	-1.72
		-1.72	5.86e-03	0.0		21.4	1.79	4.95	-0.16	-0.73	0.04	-0.69
						42.8	1.79	5.23	-0.16	-0.73	5.86e-03	0.40
98	6	-6.20	0.38	1.96e-03	11.05	0.0	-8.79	-38.41	2.31	10.97	-0.65	-6.20

		-17.96	-0.65	-5.05e-06		21.4	-8.79	-39.14	2.31	10.98	-0.13	-10.46
						42.8	-8.79	-39.89	2.31	10.98	0.38	-17.96
98	9	-44.90	-0.04	6.12e-04	26.37	0.0	-38.38	-63.08	4.85	8.74	-2.09	-44.90
		-71.10	-2.09	-2.30e-05		21.4	-38.38	-61.28	4.85	8.74	-1.06	-58.20
						42.8	-38.38	-59.22	4.85	8.74	-0.04	-71.10
116	3	4.02	-0.04	-9.68e-06	-2.55	0.0	0.30	-8.24	-0.02	-1.03	-0.04	4.02
		0.80	-0.05	0.0		20.0	0.30	-8.05	-0.02	-1.03	-0.05	2.39
						40.0	0.30	-7.86	-0.02	-1.03	-0.05	0.80
116	4	-0.27	0.01	0.0	-3.71	0.0	-0.50	3.84	2.83e-03	0.41	0.01	-1.16
		-1.16	0.01	0.0		20.0	-0.50	2.23	2.83e-03	0.41	0.01	-0.55
						40.0	-0.50	0.63	2.83e-03	0.41	0.01	-0.27
116	7	-9.54	-0.16	1.26e-04	0.88	0.0	7.47	-34.93	-0.64	1.12	-0.16	-23.53
		-23.53	-0.42	-5.95e-06		20.0	7.47	-34.98	-0.64	1.12	-0.29	-16.54
						40.0	7.47	-35.04	-0.64	1.12	-0.42	-9.54
116	8	-0.94	-0.38	2.95e-03	16.49	0.0	-10.52	-40.75	0.22	15.78	-0.44	-13.91
		-13.91	-0.44	8.59e-06		20.0	-10.52	-39.58	0.22	15.77	-0.41	-5.93
						40.0	-10.52	-38.41	0.22	15.76	-0.38	-2.16
116	9	-1.11	-0.13	2.78e-03	15.70	0.0	-11.77	-52.99	0.67	16.19	-0.31	-21.39
		-21.39	-0.31	-9.92e-06		20.0	-11.77	-51.88	0.67	16.18	-0.22	-10.93
						40.0	-11.77	-50.78	0.67	16.17	-0.13	-1.11
117	2	4.16	-0.06	-3.22e-06	-3.68	0.0	0.30	-9.79	-0.02	-1.47	-0.06	4.16
		0.35	-0.07	0.0		20.0	0.30	-9.51	-0.02	-1.47	-0.07	2.23
						40.0	0.30	-9.23	-0.02	-1.46	-0.07	0.35
117	4	-0.55	9.42e-03	4.16e-06	-3.93	0.0	-0.38	1.98	-0.01	0.49	9.42e-03	-0.79
		-0.79	4.89e-03	0.0		20.0	-0.38	0.38	-0.01	0.49	7.16e-03	-0.56
						40.0	-0.38	-1.21	-0.01	0.50	4.89e-03	-0.64
117	6	-12.20	-0.19	2.56e-04	1.52	0.0	11.24	-46.14	-0.77	3.63	-0.19	-30.69
		-30.69	-0.50	5.81e-06		20.0	11.24	-46.20	-0.77	3.63	-0.34	-21.45
						40.0	11.24	-46.24	-0.77	3.63	-0.50	-12.20
117	7	-13.96	-0.22	4.54e-04	3.31	0.0	10.85	-50.77	-0.83	5.15	-0.22	-34.38
		-34.38	-0.56	-6.31e-06		20.0	10.85	-50.99	-0.83	5.15	-0.39	-24.19
						40.0	10.85	-51.19	-0.83	5.15	-0.56	-13.96
117	8	-1.91	-0.28	3.19e-03	17.73	0.0	-12.85	-22.17	0.37	16.49	-0.40	-5.66
		-5.66	-0.40	1.09e-05		20.0	-12.85	-20.93	0.37	16.48	-0.34	-2.17
						40.0	-12.85	-19.69	0.37	16.47	-0.28	-3.58
118	2	4.49	-0.06	6.23e-06	-3.59	0.0	0.21	-10.50	-0.02	-1.54	-0.06	4.49
		0.39	-0.07	0.0		20.0	0.21	-10.23	-0.02	-1.54	-0.06	2.41
						40.0	0.21	-9.97	-0.02	-1.54	-0.07	0.39
118	4	-1.87	4.04e-03	1.77e-05	-4.81	0.0	0.04	2.55	-0.04	0.14	4.04e-03	-2.30
		-2.30	-0.01	0.0		20.0	0.04	1.02	-0.04	0.14	-3.12e-03	-1.94
						40.0	0.04	-0.50	-0.04	0.14	-0.01	-1.89
118	6	-8.80	-0.20	1.00e-04	4.53	0.0	10.23	-44.88	-0.63	4.12	-0.20	-26.63
		-26.63	-0.45	6.18e-06		20.0	10.23	-44.66	-0.63	4.12	-0.32	-17.68
						40.0	10.23	-44.38	-0.63	4.12	-0.45	-8.80
118	7	-10.86	-0.24	-9.23e-05	2.70	0.0	9.82	-47.40	-0.68	6.98	-0.24	-29.82
		-29.82	-0.51	-6.66e-06		20.0	9.82	-47.47	-0.68	6.98	-0.37	-20.34
						40.0	9.82	-47.50	-0.68	6.97	-0.51	-10.86
118	8	-2.18	-0.31	3.81e-03	21.10	0.0	-8.67	-16.26	0.36	15.44	-0.44	-3.01
		-4.36	-0.44	1.31e-05		20.0	-8.67	-14.80	0.36	15.42	-0.38	-2.39
						40.0	-8.67	-13.34	0.36	15.41	-0.31	-4.36
119	1	2.53	6.82e-03	4.21e-05	-15.09	0.0	0.58	-10.13	-0.08	-0.69	6.82e-03	2.53
		-1.37	-0.02	0.0		20.0	0.58	-9.74	-0.08	-0.69	-9.09e-03	0.54
						40.0	0.58	-9.37	-0.08	-0.69	-0.02	-1.37
119	4	0.45	0.02	-1.70e-05	-7.00	0.0	-0.12	0.99	-0.06	1.18	0.02	0.38
		0.24	2.75e-03	0.0		20.0	-0.12	-0.36	-0.06	1.18	0.01	0.44
						40.0	-0.12	-1.71	-0.06	1.18	2.75e-03	0.24
119	7	-10.53	0.41	-3.72e-04	8.33	0.0	9.17	-51.85	-2.29	9.86	0.41	-30.13
		-30.13	-0.57	4.75e-06		20.0	9.17	-51.37	-2.29	9.86	-0.08	-20.06
						40.0	9.17	-50.86	-2.29	9.85	-0.57	-10.53
119	8	-42.85	-0.03	4.52e-03	25.75	0.0	35.07	-50.49	-4.57	8.06	-0.03	-63.76
		-63.76	-1.83	1.86e-05		20.0	35.07	-52.38	-4.57	8.06	-0.93	-53.48
						40.0	35.07	-54.06	-4.57	8.06	-1.83	-42.85
120	2	4.48	0.07	-6.22e-06	-3.58	0.0	0.21	-10.51	0.02	1.54	0.06	4.48
		0.39	0.06	0.0		20.0	0.21	-10.24	0.02	1.54	0.07	2.41
						40.0	0.21	-9.98	0.02	1.54	0.07	0.39
120	3	1.48	0.02	-3.67e-06	-1.23	0.0	0.02	-3.73	1.03e-03	0.54	0.02	1.48
		0.03	0.02	0.0		20.0	0.02	-3.64	1.03e-03	0.54	0.02	0.75
						40.0	0.02	-3.55	1.03e-03	0.54	0.02	0.03
120	6	-9.51	0.51	8.59e-05	3.47	0.0	9.85	-45.93	0.69	5.01	0.24	-27.80
		-27.80	0.24	6.54e-06		20.0	9.85	-45.80	0.69	5.01	0.38	-18.64
						40.0	9.85	-45.62	0.69	5.01	0.51	-9.51
120	7	-6.51	0.45	3.14e-04	6.90	0.0	10.24	-38.36	0.65	2.27	0.20	-21.63
		-21.63	0.20	-6.29e-06		20.0	10.24	-37.96	0.65	2.27	0.33	-14.01
						40.0	10.24	-37.51	0.65	2.27	0.45	-6.51
120	8	-2.20	-0.30	-3.85e-05	21.09	0.0	8.77	-16.11	0.43	15.35	-0.46	-3.04
		-4.29	-0.46	1.31e-05		20.0	8.77	-14.65	0.43	15.34	-0.38	-2.38
						40.0	8.77	-13.20	0.43	15.33	-0.30	-4.29

121	2	4.16	0.07	3.20e-06	-3.68	0.0	0.30	-9.80	0.02	1.46	0.07	4.16
		0.35	0.07	0.0		20.0	0.30	-9.52	0.02	1.46	0.07	2.23
						40.0	0.30	-9.25	0.02	1.46	0.07	0.35
121	4	-0.55	-4.80e-03	-4.16e-06	-3.92	0.0	-0.38	1.97	0.01	-0.49	-9.55e-03	-0.79
		-0.79	-9.55e-03	0.0		20.0	-0.38	0.45	0.01	-0.49	-7.17e-03	-0.56
						40.0	-0.38	-1.20	0.01	-0.49	-4.80e-03	-0.64
121	6	-12.89	0.56	3.34e-04	2.00	0.0	10.85	-47.91	0.85	4.11	0.23	-32.09
		-32.09	0.23	6.19e-06		20.0	10.85	-48.02	0.85	4.11	0.39	-22.50
						40.0	10.85	-48.10	0.85	4.11	0.56	-12.89
121	8	-1.93	-0.27	-7.39e-06	17.73	0.0	12.94	-21.98	0.44	16.41	-0.43	-5.67
		-5.67	-0.43	1.08e-05		20.0	12.94	-20.75	0.44	16.40	-0.35	-2.21
						40.0	12.94	-19.51	0.44	16.39	-0.27	-3.51
122	3	4.02	0.05	9.68e-06	-2.55	0.0	0.30	-8.28	0.02	1.03	0.04	4.02
		0.79	0.04	0.0		20.0	0.30	-8.09	0.02	1.03	0.05	2.39
						40.0	0.30	-7.90	0.02	1.02	0.05	0.79
122	4	-0.27	-0.01	0.0	-3.71	0.0	-0.50	3.81	-2.25e-03	-0.41	-0.01	-1.15
		-1.15	-0.01	0.0		20.0	-0.50	2.20	-2.25e-03	-0.41	-0.01	-0.55
						40.0	-0.50	0.60	-2.25e-03	-0.41	-0.01	-0.27
122	6	-9.02	0.42	9.31e-05	0.53	0.0	7.40	-31.78	0.65	1.34	0.16	-21.75
		-21.75	0.16	5.85e-06		20.0	7.40	-31.81	0.65	1.34	0.29	-15.39
						40.0	7.40	-31.84	0.65	1.34	0.42	-9.02
122	8	-0.95	-0.37	1.84e-06	16.49	0.0	10.63	-39.99	0.29	15.77	-0.46	-13.75
		-13.75	-0.46	8.58e-06		20.0	10.63	-38.82	0.29	15.76	-0.42	-5.91
						40.0	10.63	-37.65	0.29	15.75	-0.37	-2.04
122	9	-1.18	-0.13	2.34e-05	15.69	0.0	11.85	-52.18	0.73	16.18	-0.33	-21.20
		-21.20	-0.33	-9.93e-06		20.0	11.85	-51.07	0.73	16.17	-0.23	-10.90
						40.0	11.85	-49.98	0.73	16.16	-0.13	-1.18
123	2	4.22	-0.05	-4.97e-06	-3.68	0.0	0.14	8.64	-0.03	1.40	-0.05	-0.06
		-0.06	-0.06	0.0		23.9	0.14	8.97	-0.03	1.40	-0.05	2.04
						47.8	0.14	9.30	-0.03	1.40	-0.06	4.22
123	3	0.43	-0.02	7.88e-06	-1.72	0.0	0.27	1.89	-5.47e-03	0.30	-0.02	-0.54
		-0.54	-0.03	0.0		23.9	0.27	2.04	-5.47e-03	0.30	-0.02	-0.08
						47.8	0.27	2.19	-5.47e-03	0.30	-0.03	0.43
123	7	-15.44	0.50	5.38e-04	3.66	0.0	-13.81	-56.02	-0.60	1.91	0.50	-15.44
		-42.32	0.22	-7.51e-06		23.9	-13.81	-56.34	-0.60	1.91	0.36	-28.83
						47.8	-13.81	-56.64	-0.60	1.91	0.22	-42.32
123	8	-1.15	0.19	3.15e-03	17.73	0.0	-17.98	-35.61	-0.94	16.17	0.19	-1.43
		-16.87	-0.28	1.36e-05		23.9	-17.98	-37.09	-0.94	16.18	-0.04	-7.88
						47.8	-17.98	-38.60	-0.94	16.19	-0.28	-16.87
123	9	-3.79	-0.27	2.51e-03	14.01	0.0	-7.35	-14.12	-0.37	12.44	-0.27	-4.52
		-5.95	-0.36	-8.22e-06		23.9	-7.35	-15.10	-0.37	12.45	-0.31	-3.91
						47.8	-7.35	-16.11	-0.37	12.46	-0.36	-5.95
124	1	4.34	-4.94e-03	1.01e-05	-14.13	0.0	-0.27	9.40	-0.02	0.32	-4.94e-03	-0.33
		-0.33	-0.01	0.0		23.9	-0.27	9.77	-0.02	0.32	-8.87e-03	1.96
						47.8	-0.27	10.14	-0.02	0.32	-0.01	4.34
124	2	4.11	-0.05	-1.68e-06	-3.59	0.0	0.18	8.23	-0.03	1.23	-0.05	0.03
		0.03	-0.06	0.0		23.9	0.18	8.55	-0.03	1.23	-0.05	2.03
						47.8	0.18	8.87	-0.03	1.23	-0.06	4.11
124	7	-16.04	0.48	4.80e-05	3.17	0.0	-12.49	-51.70	-0.64	2.25	0.48	-16.04
		-40.73	0.18	-8.01e-06		23.9	-12.49	-51.91	-0.64	2.25	0.33	-28.34
						47.8	-12.49	-52.07	-0.64	2.25	0.18	-40.73
124	8	-1.26	0.18	3.71e-03	20.98	0.0	-16.60	-43.96	-1.05	18.64	0.18	-2.70
		-19.48	-0.34	1.65e-05		23.9	-16.60	-45.71	-1.05	18.65	-0.08	-8.40
						47.8	-16.60	-47.49	-1.05	18.67	-0.34	-19.48
125	1	2.11	0.02	-3.19e-05	-15.17	0.0	-0.42	6.66	-0.06	0.63	0.02	-1.53
		-1.53	-8.84e-03	0.0		25.5	-0.42	7.14	-0.06	0.63	7.43e-03	0.23
						51.0	-0.42	7.64	-0.06	0.63	-8.84e-03	2.11
125	3	0.28	0.01	2.00e-06	-1.07	0.0	-0.12	1.31	-0.05	0.21	0.01	-0.44
		-0.44	-0.01	0.0		25.5	-0.12	1.41	-0.05	0.21	4.17e-04	-0.09
						51.0	-0.12	1.51	-0.05	0.21	-0.01	0.28
125	8	-1.47	1.41	4.95e-03	28.49	0.0	-14.12	-75.51	-4.69	30.55	1.41	-8.90
		-30.97	-0.98	2.46e-05		25.5	-14.12	-78.00	-4.69	30.57	0.22	-10.80
						51.0	-14.12	-80.55	-4.69	30.59	-0.98	-30.97
126	4	-0.23	2.75e-03	-1.71e-05	-6.85	0.0	-0.02	0.61	-0.06	0.83	2.75e-03	-0.26
		-0.55	-0.02	0.0		20.0	-0.02	-0.75	-0.06	0.83	-8.85e-03	-0.27
						40.0	-0.02	-2.11	-0.06	0.83	-0.02	-0.55
126	8	-26.08	-0.32	3.51e-03	20.07	0.0	28.90	-25.68	3.76	6.72	-1.83	-36.90
		-36.90	-1.83	1.56e-05		20.0	28.90	-27.15	3.76	6.72	-1.08	-31.62
						40.0	28.90	-28.45	3.76	6.72	-0.32	-26.08
127	1	2.12	9.18e-03	3.19e-05	-15.17	0.0	-0.42	6.72	0.06	-0.63	-0.02	-1.55
		-1.55	-0.02	0.0		25.5	-0.42	7.20	0.06	-0.63	-7.09e-03	0.22
						51.0	-0.42	7.70	0.06	-0.63	9.18e-03	2.12
127	6	-13.80	-0.16	2.21e-04	11.72	0.0	-12.44	-20.77	1.63	4.92	-0.72	-13.80
		-22.47	-0.72	1.02e-05		25.5	-12.44	-20.24	1.63	4.92	-0.44	-18.04
						51.0	-12.44	-19.67	1.63	4.92	-0.16	-22.47
127	8	-1.56	1.37	-1.30e-04	28.49	0.0	14.12	-74.42	-4.65	30.52	1.37	-8.66
		-30.66	-1.00	2.45e-05		25.5	14.12	-76.91	-4.65	30.53	0.19	-10.78

						51.0	14.12	-79.46	-4.65	30.55	-1.00	-30.66
128	2	-0.35	-0.03	2.40e-06	-3.49	0.0	-0.19	1.84	-0.03	-0.43	-0.03	-1.19
		-1.19	-0.04	0.0		20.0	-0.19	2.10	-0.03	-0.43	-0.04	-0.80
						40.0	-0.19	2.37	-0.03	-0.43	-0.04	-0.35
128	5	-0.14	-0.01	0.0	-1.40	0.0	-0.08	0.74	-0.01	-0.17	-0.01	-0.48
		-0.48	-0.02	0.0		20.0	-0.08	0.84	-0.01	-0.17	-0.02	-0.32
						40.0	-0.08	0.95	-0.01	-0.17	-0.02	-0.14
128	6	-4.43	0.04	1.08e-05	1.90	0.0	-6.10	-13.91	0.04	1.55	0.03	-4.43
		-9.78	0.03	6.01e-06		20.0	-6.10	-13.97	0.04	1.56	0.04	-7.06
						40.0	-6.10	-14.03	0.04	1.56	0.04	-9.78
128	8	-0.93	0.29	-5.68e-05	19.20	0.0	18.91	-16.53	0.06	5.17	0.26	-7.37
		-7.37	0.26	1.29e-05		20.0	18.91	-17.89	0.06	5.17	0.28	-3.98
						40.0	18.91	-19.27	0.06	5.18	0.29	-0.93
129	2	-0.40	-0.03	4.92e-06	-3.53	0.0	-0.24	2.11	-0.03	-0.55	-0.03	-1.35
		-1.35	-0.05	0.0		20.0	-0.24	2.38	-0.03	-0.55	-0.04	-0.90
						40.0	-0.24	2.64	-0.03	-0.56	-0.05	-0.40
129	4	-0.02	8.14e-03	-2.38e-06	-3.82	0.0	-0.44	1.45	7.31e-03	0.05	5.21e-03	-0.15
		-0.21	5.21e-03	0.0		20.0	-0.44	-0.15	7.31e-03	0.05	6.68e-03	-0.02
						40.0	-0.44	-1.74	7.31e-03	0.05	8.14e-03	-0.21
129	6	-2.95	0.05	4.05e-04	2.31	0.0	-6.99	-15.24	0.06	1.98	0.03	-2.95
		-9.01	0.03	5.63e-06		20.0	-6.99	-15.39	0.06	1.98	0.04	-5.94
						40.0	-6.99	-15.55	0.06	1.99	0.05	-9.01
129	8	-1.06	0.25	-2.90e-05	16.69	0.0	19.21	-11.44	0.01	3.37	0.25	-5.32
		-5.32	0.25	1.05e-05		20.0	19.21	-12.61	0.01	3.37	0.25	-3.01
						40.0	19.21	-13.81	0.01	3.38	0.25	-1.06
130	2	0.81	0.05	6.29e-06	-3.61	0.0	-6.94e-03	4.20	-0.23	0.93	0.05	-0.98
		-0.98	-0.05	0.0		20.0	-6.94e-03	4.47	-0.23	0.93	2.43e-04	-0.12
						40.0	-6.94e-03	4.74	-0.23	0.93	-0.05	0.81
130	3	-0.43	0.02	-7.57e-06	-1.80	0.0	0.16	0.60	-0.11	0.04	0.02	-0.73
		-0.73	-0.02	0.0		20.0	0.16	0.73	-0.11	0.04	-2.00e-03	-0.59
						40.0	0.16	0.86	-0.11	0.04	-0.02	-0.43
130	7	-5.90	0.50	5.53e-04	3.65	0.0	-10.32	-27.90	1.37	1.36	-0.05	-5.90
		-17.09	-0.05	-5.83e-06		20.0	-10.32	-28.16	1.37	1.36	0.23	-11.45
						40.0	-10.32	-28.42	1.37	1.36	0.50	-17.09
130	8	-0.90	0.25	3.09e-03	17.12	0.0	-18.28	-25.69	-0.35	5.51	0.25	-5.09
		-5.81	0.19	1.11e-05		20.0	-18.28	-26.91	-0.35	5.52	0.22	-0.90
						40.0	-18.28	-28.14	-0.35	5.53	0.19	-5.81
130	9	-2.45	0.22	2.50e-03	13.69	0.0	-8.82	-11.71	-1.17	3.09	0.22	-5.13
		-5.13	-0.27	-6.71e-06		20.0	-8.82	-12.63	-1.17	3.10	-0.02	-3.23
						40.0	-8.82	-13.55	-1.17	3.11	-0.27	-2.49
131	2	0.81	0.04	3.57e-06	-3.54	0.0	0.03	3.90	-0.22	0.79	0.04	-0.85
		-0.85	-0.05	0.0		20.0	0.03	4.17	-0.22	0.79	-1.20e-03	-0.05
						40.0	0.03	4.43	-0.22	0.79	-0.05	0.81
131	3	-0.02	0.01	1.63e-06	-1.25	0.0	0.04	1.23	-0.08	0.20	0.01	-0.56
		-0.56	-0.02	0.0		20.0	0.04	1.33	-0.08	0.20	-1.48e-03	-0.30
						40.0	0.04	1.42	-0.08	0.20	-0.02	-0.02
131	7	-6.85	0.48	1.12e-04	3.29	0.0	-9.22	-27.14	1.25	1.55	-0.04	-6.85
		-17.59	-0.04	-6.26e-06		20.0	-9.22	-27.35	1.25	1.55	0.22	-12.16
						40.0	-9.22	-27.55	1.25	1.56	0.48	-17.59
131	8	-0.95	0.28	3.58e-03	19.95	0.0	-17.41	-32.16	-0.40	7.46	0.28	-6.99
		-6.99	0.18	1.36e-05		20.0	-17.41	-33.57	-0.40	7.46	0.23	-0.95
						40.0	-17.41	-35.01	-0.40	7.47	0.18	-6.55
131	9	-2.52	0.19	2.52e-03	13.92	0.0	-6.67	-14.33	-1.07	4.05	0.19	-5.82
		-5.82	-0.27	-3.48e-06		20.0	-6.67	-15.27	-1.07	4.06	-0.04	-3.42
						40.0	-6.67	-16.22	-1.07	4.06	-0.27	-2.65
132	3	-0.25	0.01	0.0	-1.04	0.0	-0.13	0.62	3.46e-03	0.13	0.01	-0.54
		-0.54	0.01	0.0		20.0	-0.13	0.70	3.46e-03	0.13	0.01	-0.40
						40.0	-0.13	0.78	3.46e-03	0.13	0.01	-0.25
132	4	0.03	0.03	3.41e-05	-6.53	0.0	-0.62	2.28	0.07	-0.69	-2.81e-03	-0.34
		-0.34	-2.81e-03	0.0		20.0	-0.62	0.88	0.07	-0.69	0.01	-0.03
						40.0	-0.62	-0.50	0.07	-0.69	0.03	0.01
132	7	-7.12	0.73	-4.50e-04	6.00	0.0	-9.95	-20.79	1.43	2.93	0.17	-7.12
		-14.54	0.17	-7.23e-06		20.0	-9.95	-20.62	1.43	2.93	0.45	-10.71
						40.0	-9.95	-20.43	1.43	2.94	0.73	-14.54
132	8	-1.03	1.41	4.70e-03	26.53	0.0	-15.35	-50.70	1.96	14.81	0.63	-11.03
		-11.03	0.63	1.70e-05		20.0	-15.35	-52.56	1.96	14.82	1.02	-1.05
						40.0	-15.35	-54.46	1.96	14.83	1.41	-10.06
133	3	-0.45	-6.07e-03	0.0	-1.04	0.0	-0.14	0.19	-0.01	-0.04	-6.07e-03	-0.56
		-0.56	-0.01	0.0		20.0	-0.14	0.27	-0.01	-0.04	-8.44e-03	-0.51
						40.0	-0.14	0.35	-0.01	-0.04	-0.01	-0.45
133	6	-6.97	-0.07	1.16e-04	8.03	0.0	-7.02	-7.71	-0.23	1.79	-0.07	-6.97
		-8.86	-0.17	6.65e-06		20.0	-7.02	-7.51	-0.23	1.79	-0.12	-7.88
						40.0	-7.02	-7.33	-0.23	1.79	-0.17	-8.86
133	8	-0.82	0.64	-1.04e-04	25.16	0.0	15.42	-30.55	0.86	10.70	0.29	-10.85
		-10.85	0.29	1.53e-05		20.0	15.42	-32.32	0.86	10.71	0.47	-4.60
						40.0	15.42	-34.13	0.86	10.72	0.64	-2.22
134	5	-0.39	-9.93e-03	0.0	-1.39	0.0	-0.12	0.11	-8.27e-03	-0.03	-9.93e-03	-0.47

		-0.47	-0.01	0.0		20.0	-0.12	0.21	-8.27e-03	-0.03	-0.01	-0.44
						40.0	-0.12	0.32	-8.27e-03	-0.04	-0.01	-0.39
134	6	-1.63	0.03	1.03e-05	1.79	0.0	-3.68	-13.30	0.07	1.77	0.03	-1.63
		-6.58	0.03	5.96e-06		20.0	-3.68	-13.37	0.07	1.77	0.03	-3.98
						40.0	-3.68	-13.43	0.07	1.77	0.03	-6.58
134	7	-3.05	0.05	4.53e-04	3.29	0.0	-3.11	-7.50	0.06	0.93	-0.03	-3.05
		-5.56	-0.03	-6.21e-06		20.0	-3.11	-7.40	0.06	0.93	5.76e-03	-4.26
						40.0	-3.11	-7.28	0.06	0.93	0.05	-5.56
134	8	-3.12	0.26	-4.54e-05	18.55	0.0	19.22	-8.41	0.06	3.08	0.24	-6.85
		-6.85	0.24	1.23e-05		20.0	19.22	-9.70	0.06	3.09	0.25	-5.09
						40.0	19.22	-11.02	0.06	3.10	0.26	-3.12
135	2	-1.05	-0.03	-2.26e-06	-3.47	0.0	-0.33	0.54	-0.02	-0.21	-0.03	-1.37
		-1.37	-0.03	0.0		20.0	-0.33	0.80	-0.02	-0.21	-0.03	-1.24
						40.0	-0.33	1.06	-0.02	-0.21	-0.03	-1.05
135	4	0.01	5.21e-03	-2.25e-06	-3.80	0.0	-0.42	1.63	3.93e-03	-0.04	3.64e-03	-0.15
		-0.15	3.64e-03	0.0		20.0	-0.42	0.03	3.93e-03	-0.04	4.43e-03	0.01
						40.0	-0.42	-1.57	3.93e-03	-0.04	5.21e-03	-0.14
135	6	-0.56	0.03	3.41e-04	2.01	0.0	-4.14	-14.02	0.07	2.30	0.02	-0.56
		-5.78	0.02	5.62e-06		20.0	-4.14	-14.14	0.07	2.30	0.02	-2.96
						40.0	-4.14	-14.28	0.07	2.30	0.03	-5.78
135	8	-2.95	0.25	-2.02e-05	16.34	0.0	18.93	-4.20	0.04	1.48	0.23	-4.69
		-4.69	0.23	9.87e-06		20.0	18.93	-5.20	0.04	1.49	0.24	-3.90
						40.0	18.93	-6.27	0.04	1.50	0.25	-2.95
136	3	-0.59	9.55e-04	-9.43e-06	-0.77	0.0	0.33	0.74	-6.18e-03	0.15	9.55e-04	-0.91
		-0.91	-1.52e-03	0.0		20.0	0.33	0.80	-6.18e-03	0.15	-2.81e-04	-0.76
						40.0	0.33	0.86	-6.18e-03	0.15	-1.52e-03	-0.59
136	6	-3.63	-0.14	5.15e-05	10.83	0.0	7.78	-15.55	-0.42	4.13	-0.14	-6.80
		-6.80	-0.31	-3.07e-06		20.0	7.78	-16.29	-0.42	4.13	-0.22	-4.46
						40.0	7.78	-17.05	-0.42	4.13	-0.31	-3.69
136	8	-18.09	0.30	-3.91e-04	15.09	0.0	-21.52	-13.75	0.44	3.17	0.12	-18.09
		-23.18	0.12	1.43e-05		20.0	-21.52	-12.80	0.44	3.17	0.21	-20.74
						40.0	-21.52	-11.70	0.44	3.17	0.30	-23.18
137	1	4.33	0.01	-1.01e-05	-14.12	0.0	-0.27	9.40	0.02	-0.32	4.56e-03	-0.34
		-0.34	4.56e-03	0.0		23.9	-0.27	9.77	0.02	-0.32	8.99e-03	1.95
						47.8	-0.27	10.14	0.02	-0.32	0.01	4.33
137	6	-15.91	-0.19	5.92e-05	2.65	0.0	-12.49	-41.71	0.65	3.63	-0.48	-15.91
		-35.69	-0.48	7.86e-06		23.9	-12.49	-41.70	0.65	3.63	-0.33	-25.78
						47.8	-12.49	-41.64	0.65	3.63	-0.19	-35.69
137	8	-1.30	0.19	-6.50e-05	20.97	0.0	16.67	-43.45	-1.10	18.57	0.19	-2.64
		-19.32	-0.36	1.65e-05		23.9	16.67	-45.20	-1.10	18.58	-0.09	-8.37
						47.8	16.67	-46.98	-1.10	18.59	-0.36	-19.32
138	2	4.21	0.06	4.97e-06	-3.68	0.0	0.14	8.64	0.04	-1.40	0.04	-0.07
		-0.07	0.04	0.0		23.9	0.14	8.97	0.04	-1.40	0.05	2.03
						47.8	0.14	9.30	0.04	-1.40	0.06	4.21
138	6	-14.98	-0.22	4.19e-04	2.41	0.0	-13.85	-48.38	0.61	3.33	-0.51	-14.98
		-38.17	-0.51	7.38e-06		23.9	-13.85	-48.58	0.61	3.33	-0.36	-26.55
						47.8	-13.85	-48.75	0.61	3.33	-0.22	-38.17
138	8	-1.18	0.20	-2.94e-05	17.73	0.0	18.04	-35.17	-1.00	16.09	0.20	-1.41
		-16.75	-0.30	1.37e-05		23.9	18.04	-36.66	-1.00	16.10	-0.05	-7.85
						47.8	18.04	-38.16	-1.00	16.11	-0.30	-16.75
139	3	-0.72	0.02	-9.23e-06	-1.89	0.0	0.03	-0.24	7.89e-03	-0.17	0.02	-0.72
		-0.76	0.02	0.0		20.0	0.03	-0.10	7.89e-03	-0.17	0.02	-0.75
						40.0	0.03	0.04	7.89e-03	-0.17	0.02	-0.76
139	4	-0.02	-5.19e-03	2.39e-06	-3.83	0.0	-0.44	1.45	-7.13e-03	-0.05	-5.19e-03	-0.15
		-0.21	-8.04e-03	0.0		20.0	-0.44	-0.15	-7.13e-03	-0.05	-6.61e-03	-0.02
						40.0	-0.44	-1.74	-7.13e-03	-0.05	-8.04e-03	-0.21
139	6	-3.14	-0.04	3.17e-04	1.81	0.0	-5.63	-13.26	-0.05	1.53	-0.04	-3.14
		-8.37	-0.05	5.79e-06		20.0	-5.63	-13.37	-0.05	1.53	-0.04	-5.72
						40.0	-5.63	-13.50	-0.05	1.53	-0.05	-8.37
139	7	-2.41	-0.03	5.05e-04	3.42	0.0	-6.96	-18.38	-0.05	2.93	-0.03	-2.41
		-9.76	-0.05	-5.74e-06		20.0	-6.96	-18.61	-0.05	2.93	-0.04	-6.03
						40.0	-6.96	-18.85	-0.05	2.93	-0.05	-9.76
139	8	-1.04	0.25	3.03e-03	16.69	0.0	-19.24	-11.45	9.33e-03	3.36	0.25	-5.33
		-5.33	0.25	1.05e-05		20.0	-19.24	-12.62	9.33e-03	3.37	0.25	-3.01
						40.0	-19.24	-13.82	9.33e-03	3.38	0.25	-1.04
140	3	-0.43	0.01	-2.71e-06	-1.28	0.0	-0.06	0.52	8.14e-03	0.06	0.01	-0.68
		-0.68	0.01	0.0		20.0	-0.06	0.62	8.14e-03	0.06	0.01	-0.57
						40.0	-0.06	0.72	8.14e-03	0.06	0.01	-0.43
140	5	-0.14	0.02	0.0	-1.40	0.0	-0.08	0.73	9.98e-03	0.17	0.01	-0.48
		-0.48	0.01	0.0		20.0	-0.08	0.84	9.98e-03	0.17	0.02	-0.32
						40.0	-0.08	0.94	9.98e-03	0.17	0.02	-0.14
140	6	-4.84	-0.04	3.59e-04	2.09	0.0	-4.61	-11.67	-0.03	1.17	-0.04	-4.84
		-9.23	-0.06	6.18e-06		20.0	-4.61	-11.67	-0.03	1.17	-0.05	-6.99
						40.0	-4.61	-11.66	-0.03	1.17	-0.06	-9.23
140	7	-3.34	-0.03	1.32e-04	3.29	0.0	-6.13	-17.87	-0.03	2.66	-0.03	-3.34
		-10.33	-0.04	-6.13e-06		20.0	-6.13	-18.08	-0.03	2.66	-0.04	-6.75
						40.0	-6.13	-18.30	-0.03	2.67	-0.04	-10.33

140	8	-0.91	0.28	3.46e-03	19.20	0.0	-18.95	-16.56	0.05	5.17	0.27	-7.38
		-7.38	0.27	1.29e-05		20.0	-18.95	-17.92	0.05	5.17	0.27	-3.98
						40.0	-18.95	-19.30	0.05	5.18	0.28	-0.91
141	3	-0.45	0.01	0.0	-1.04	0.0	-0.14	0.19	0.01	0.04	6.00e-03	-0.56
		-0.56	6.00e-03	0.0		20.0	-0.14	0.27	0.01	0.04	8.34e-03	-0.51
						40.0	-0.14	0.35	0.01	0.04	0.01	-0.45
141	4	-0.55	-2.78e-03	-3.32e-05	-6.20	0.0	-0.46	1.96	-7.81e-05	-0.51	-2.78e-03	-0.82
		-0.82	-2.81e-03	0.0		20.0	-0.46	0.54	-7.81e-05	-0.51	-2.79e-03	-0.57
						40.0	-0.46	-0.87	-7.81e-05	-0.51	-2.81e-03	-0.60
141	8	-0.81	0.63	4.49e-03	25.17	0.0	-15.45	-30.67	0.85	10.69	0.29	-10.88
		-10.88	0.29	1.53e-05		20.0	-15.45	-32.44	0.85	10.70	0.46	-4.60
						40.0	-15.45	-34.25	0.85	10.72	0.63	-2.23
142	3	-0.51	-6.01e-03	1.58e-06	-1.05	0.0	-0.14	-0.21	-1.69e-04	0.07	-6.01e-03	-0.51
		-0.56	-6.07e-03	0.0		20.0	-0.14	-0.13	-1.69e-04	0.07	-6.04e-03	-0.55
						40.0	-0.14	-0.05	-1.69e-04	0.07	-6.07e-03	-0.56
142	6	-4.83	-0.07	9.94e-05	6.86	0.0	-4.34	-7.96	-0.02	1.31	-0.07	-4.83
		-7.24	-0.07	6.47e-06		20.0	-4.34	-7.69	-0.02	1.31	-0.07	-6.01
						40.0	-4.34	-7.40	-0.02	1.31	-0.07	-7.24
142	8	-1.82	0.29	-9.06e-05	23.95	0.0	14.88	-19.26	0.14	7.31	0.24	-10.08
		-10.08	0.24	1.45e-05		20.0	14.88	-20.95	0.14	7.32	0.27	-6.08
						40.0	14.88	-22.68	0.14	7.33	0.29	-1.82
143	4	-0.58	4.75e-03	8.23e-06	-4.13	0.0	-0.42	1.34	-3.52e-03	6.03e-03	4.75e-03	-0.69
		-0.78	3.34e-03	0.0		20.0	-0.42	-0.23	-3.52e-03	5.16e-03	4.04e-03	-0.58
						40.0	-0.42	-1.81	-3.52e-03	4.30e-03	3.34e-03	-0.78
143	5	-0.35	-9.93e-03	1.07e-06	-1.40	0.0	-0.11	-0.49	0.01	0.10	-0.02	-0.35
		-0.50	-0.02	0.0		20.0	-0.11	-0.38	0.01	0.10	-0.01	-0.43
						40.0	-0.11	-0.28	0.01	0.10	-9.93e-03	-0.50
143	6	-0.74	0.03	3.03e-04	1.69	0.0	2.73	-13.34	0.08	1.67	-0.05	-1.94
		-3.63	-0.05	5.88e-06		20.0	2.73	-13.40	0.08	1.67	-0.01	-1.13
						40.0	2.73	-13.47	0.08	1.67	0.03	-3.63
143	8	-4.76	0.29	-3.24e-05	18.05	0.0	18.83	-2.50	-0.13	1.09	0.29	-5.75
		-5.75	0.24	1.17e-05		20.0	18.83	-3.30	-0.13	1.10	0.27	-5.37
						40.0	18.83	-4.36	-0.13	1.10	0.24	-4.76
144	2	-1.09	-0.03	0.0	-3.45	0.0	-0.32	-0.92	0.03	0.13	-0.04	-1.09
		-1.36	-0.04	0.0		20.0	-0.32	-0.66	0.03	0.13	-0.03	-1.25
						40.0	-0.32	-0.40	0.03	0.13	-0.03	-1.36
144	4	0.02	6.24e-03	-2.18e-06	-3.78	0.0	-0.41	1.82	-6.50e-03	-0.12	6.24e-03	-0.18
		-0.18	3.64e-03	0.0		20.0	-0.41	0.22	-6.50e-03	-0.12	4.94e-03	0.02
						40.0	-0.41	-1.38	-6.50e-03	-0.12	3.64e-03	-0.10
144	6	-0.27	0.02	2.64e-04	1.61	0.0	-1.79	-13.49	0.06	2.26	-0.03	-2.44
		-3.02	-0.03	5.58e-06		20.0	-1.79	-13.58	0.06	2.26	-8.26e-03	-0.39
						40.0	-1.79	-13.69	0.06	2.26	0.02	-3.02
144	8	-3.47	0.29	-1.02e-05	16.12	0.0	18.00	-4.24	-0.15	1.03	0.29	-3.47
		-4.35	0.23	9.24e-06		20.0	18.00	-3.36	-0.15	1.02	0.26	-3.99
						40.0	18.00	-2.72	-0.15	1.02	0.23	-4.35
144	9	-1.48	0.22	-2.86e-05	14.25	0.0	13.23	-11.81	-0.11	3.19	0.22	-1.48
		-5.36	0.18	-8.59e-06		20.0	13.23	-10.83	-0.11	3.18	0.20	-3.39
						40.0	13.23	-9.88	-0.11	3.17	0.18	-5.36
145	2	-1.69	1.86e-03	2.79e-05	-2.52	0.0	1.02	-2.60	0.02	-0.47	-6.86e-03	-1.69
		-2.66	-6.86e-03	0.0		20.0	1.02	-2.40	0.02	-0.47	-2.50e-03	-2.19
						40.0	1.02	-2.22	0.02	-0.47	1.86e-03	-2.66
145	3	-0.58	9.00e-04	9.55e-06	-0.78	0.0	0.33	-0.88	6.73e-03	-0.16	-1.79e-03	-0.58
		-0.90	-1.79e-03	0.0		20.0	0.33	-0.82	6.73e-03	-0.16	-4.46e-04	-0.75
						40.0	0.33	-0.76	6.73e-03	-0.16	9.00e-04	-0.90
145	4	-0.84	-0.01	-1.57e-05	-6.69	0.0	0.05	0.69	0.02	0.58	-0.02	-0.88
		-1.15	-0.02	0.0		20.0	0.05	-0.68	0.02	0.58	-0.02	-0.88
						40.0	0.05	-2.06	0.02	0.58	-0.01	-1.15
145	7	-3.22	-0.15	-2.48e-04	8.29	0.0	7.88	-20.33	0.45	3.75	-0.33	-6.68
		-6.68	-0.33	3.18e-06		20.0	7.88	-19.77	0.45	3.74	-0.24	-3.72
						40.0	7.88	-19.20	0.45	3.74	-0.15	-3.80
145	8	-18.55	-0.13	2.66e-03	15.39	0.0	22.02	-12.13	0.48	3.34	-0.32	-23.82
		-23.82	-0.32	1.43e-05		20.0	22.02	-13.25	0.48	3.34	-0.23	-21.29
						40.0	22.02	-14.22	0.48	3.34	-0.13	-18.55
146	2	0.82	0.04	3.55e-06	-3.54	0.0	0.03	3.92	0.22	-0.78	-0.04	-0.86
		-0.86	-0.04	0.0		20.0	0.03	4.19	0.22	-0.78	6.04e-04	-0.05
						40.0	0.03	4.45	0.22	-0.79	0.04	0.82
146	6	-7.78	0.04	1.73e-05	2.06	0.0	-9.19	-20.77	-1.28	1.19	0.04	-7.78
		-15.86	-0.48	6.14e-06		20.0	-9.19	-20.81	-1.28	1.20	-0.22	-11.78
						40.0	-9.19	-20.84	-1.28	1.20	-0.48	-15.86
146	8	-0.97	0.29	-6.32e-05	19.95	0.0	17.40	-32.02	-0.39	7.46	0.29	-6.96
		-6.96	0.19	1.36e-05		20.0	17.40	-33.43	-0.39	7.47	0.24	-0.97
						40.0	17.40	-34.87	-0.39	7.48	0.19	-6.54
147	2	0.81	0.04	6.28e-06	-3.60	0.0	-0.01	4.23	0.23	-0.92	-0.05	-0.99
		-0.99	-0.05	0.0		20.0	-0.01	4.50	0.23	-0.92	-1.03e-03	-0.12
						40.0	-0.01	4.77	0.23	-0.92	0.04	0.81
147	6	-6.27	0.05	4.42e-04	2.41	0.0	-10.33	-23.28	-1.39	0.79	0.05	-6.27
		-15.57	-0.51	5.72e-06		20.0	-10.33	-23.45	-1.39	0.79	-0.23	-10.89

						40.0	-10.33	-23.63	-1.39	0.80	-0.51	-15.57
147	8	-0.93	0.25	-3.35e-05	17.11	0.0	18.27	-25.57	-0.33	5.52	0.25	-5.06
		-5.80	0.20	1.11e-05		20.0	18.27	-26.78	-0.33	5.52	0.23	-0.93
						40.0	18.27	-28.02	-0.33	5.53	0.20	-5.80
148	4	0.03	2.89e-03	3.41e-05	-6.52	0.0	-0.62	2.27	-0.08	0.69	2.89e-03	-0.34
		-0.34	-0.03	0.0		20.0	-0.62	0.88	-0.08	0.69	-0.01	-0.03
						40.0	-0.62	-0.51	-0.08	0.69	-0.03	8.40e-03
148	6	-9.00	-0.17	1.37e-04	9.43	0.0	-9.91	-11.70	-1.40	2.69	-0.17	-9.00
		-12.05	-0.72	7.10e-06		20.0	-9.91	-11.47	-1.40	2.69	-0.44	-10.45
						40.0	-9.91	-11.25	-1.40	2.70	-0.72	-12.05
148	8	-1.05	1.37	-1.12e-04	26.53	0.0	15.31	-50.53	1.84	14.81	0.64	-10.96
		-10.96	0.64	1.70e-05		20.0	15.31	-52.38	1.84	14.82	1.00	-1.05
						40.0	15.31	-54.28	1.84	14.84	1.37	-10.06
149	4	-0.27	-5.16e-05	-1.71e-05	-6.83	0.0	-0.02	2.12	0.05	-0.81	-0.02	-0.60
		-0.60	-0.02	0.0		20.0	-0.02	0.75	0.05	-0.81	-9.94e-03	-0.32
						40.0	-0.02	-0.61	0.05	-0.81	-5.16e-05	-0.30
149	6	-4.71	-0.31	5.93e-05	11.50	0.0	8.41	-25.11	0.84	5.72	-0.31	-6.22
		-7.79	-0.57	-3.87e-06		20.0	8.41	-25.87	0.84	5.73	-0.44	-4.80
						40.0	8.41	-26.65	0.84	5.73	-0.57	-7.79
149	8	-25.27	1.77	-4.51e-04	19.70	0.0	-28.35	-26.94	3.67	6.50	0.30	-25.27
		-35.50	0.30	1.55e-05		20.0	-28.35	-25.67	3.67	6.50	1.03	-30.52
						40.0	-28.35	-24.22	3.67	6.50	1.77	-35.50
150	3	-0.55	0.02	1.11e-05	-2.01	0.0	-0.04	-1.02	2.89e-03	-0.36	0.02	-0.55
		-0.89	0.02	0.0		20.0	-0.04	-0.86	2.89e-03	-0.36	0.02	-0.74
						40.0	-0.04	-0.72	2.89e-03	-0.36	0.02	-0.89
150	4	0.01	-3.65e-03	2.26e-06	-3.80	0.0	-0.42	1.63	-3.86e-03	0.04	-3.65e-03	-0.15
		-0.15	-5.19e-03	0.0		20.0	-0.42	0.03	-3.86e-03	0.04	-4.42e-03	0.01
						40.0	-0.42	-1.57	-3.86e-03	0.04	-5.19e-03	-0.14
150	6	-0.73	-0.02	2.67e-04	1.58	0.0	-3.16	-12.34	-0.06	1.84	-0.02	-0.73
		-5.40	-0.04	5.74e-06		20.0	-3.16	-12.44	-0.06	1.84	-0.03	-2.93
						40.0	-3.16	-12.54	-0.06	1.84	-0.04	-5.40
150	7	-0.49	-0.02	4.28e-04	2.97	0.0	-4.11	-16.71	-0.07	3.17	-0.02	-0.72
		-6.23	-0.03	-5.73e-06		20.0	-4.11	-16.90	-0.07	3.17	-0.02	-2.85
						40.0	-4.11	-17.11	-0.07	3.17	-0.03	-6.23
150	8	-2.94	0.25	2.98e-03	16.35	0.0	-18.97	-4.18	0.05	1.48	0.23	-4.69
		-4.69	0.23	9.87e-06		20.0	-18.97	-5.18	0.05	1.49	0.24	-3.89
						40.0	-18.97	-6.26	0.05	1.49	0.25	-2.94
151	3	-0.67	0.01	4.25e-06	-1.32	0.0	-0.11	-0.05	7.14e-03	-0.08	8.83e-03	-0.69
		-0.69	8.83e-03	0.0		20.0	-0.11	0.05	7.14e-03	-0.08	0.01	-0.69
						40.0	-0.11	0.15	7.14e-03	-0.08	0.01	-0.67
151	5	-0.39	0.01	0.0	-1.39	0.0	-0.12	0.11	8.18e-03	0.03	9.99e-03	-0.47
		-0.47	9.99e-03	0.0		20.0	-0.12	0.21	8.18e-03	0.04	0.01	-0.44
						40.0	-0.12	0.32	8.18e-03	0.04	0.01	-0.39
151	6	-2.09	0.03	3.15e-04	1.82	0.0	-3.05	-11.56	-0.06	1.34	0.03	-2.09
		-6.36	-0.04	6.09e-06		20.0	-3.05	-11.57	-0.06	1.34	-5.53e-03	-4.13
						40.0	-3.05	-11.56	-0.06	1.34	-0.04	-6.36
151	8	-3.11	0.27	3.36e-03	18.55	0.0	-19.25	-8.42	0.06	3.08	0.24	-6.85
		-6.85	0.24	1.23e-05		20.0	-19.25	-9.72	0.06	3.09	0.25	-5.09
						40.0	-19.25	-11.04	0.06	3.10	0.27	-3.11
152	3	-0.51	6.02e-03	-1.58e-06	-1.05	0.0	-0.14	-0.20	-4.92e-05	-0.07	6.02e-03	-0.51
		-0.56	6.00e-03	0.0		20.0	-0.14	-0.13	-4.92e-05	-0.07	6.01e-03	-0.55
						40.0	-0.14	-0.05	-4.92e-05	-0.07	6.00e-03	-0.56
152	4	-0.93	-1.13e-03	3.13e-05	-5.87	0.0	-0.34	1.76	-4.12e-03	-0.38	-1.13e-03	-1.14
		-1.14	-2.78e-03	0.0		20.0	-0.34	0.31	-4.12e-03	-0.38	-1.95e-03	-0.94
						40.0	-0.34	-1.13	-4.12e-03	-0.38	-2.78e-03	-1.02
152	8	-1.80	0.29	4.30e-03	23.95	0.0	-14.89	-19.34	0.13	7.31	0.24	-10.09
		-10.09	0.24	1.45e-05		20.0	-14.89	-21.03	0.13	7.32	0.26	-6.07
						40.0	-14.89	-22.76	0.13	7.33	0.29	-1.80
153	5	-0.36	-7.34e-03	-2.24e-06	-1.32	0.0	-0.15	-0.78	0.02	0.19	-0.01	-0.36
		-0.63	-0.01	0.0		20.0	-0.15	-0.68	0.02	0.19	-0.01	-0.51
						40.0	-0.15	-0.58	0.02	0.19	-7.34e-03	-0.63
153	6	-2.44	-0.07	8.70e-05	5.87	0.0	2.51	-9.30	0.05	0.97	-0.09	-2.44
		-5.41	-0.09	6.34e-06		20.0	2.51	-9.01	0.05	0.97	-0.08	-3.83
						40.0	2.51	-8.71	0.05	0.97	-0.07	-5.41
153	7	-4.63	-0.05	3.40e-04	9.93	0.0	-2.75	-4.39	0.04	1.69	-0.07	-4.63
		-5.40	-0.07	-6.50e-06		20.0	-2.75	-4.09	0.04	1.69	-0.06	-5.03
						40.0	-2.75	-3.87	0.04	1.69	-0.05	-5.40
153	8	-4.19	0.29	-7.48e-05	22.92	0.0	14.20	-10.04	-0.14	4.32	0.29	-8.78
		-8.78	0.24	1.39e-05		20.0	14.20	-11.65	-0.14	4.33	0.26	-6.64
						40.0	14.20	-13.29	-0.14	4.34	0.24	-4.19
154	4	-0.51	7.80e-03	-6.81e-06	-4.05	0.0	-0.40	1.48	-7.63e-03	-0.08	7.80e-03	-0.65
		-0.69	4.75e-03	0.0		20.0	-0.40	-0.10	-7.63e-03	-0.08	6.27e-03	-0.51
						40.0	-0.40	-1.69	-7.63e-03	-0.08	4.75e-03	-0.69
154	5	-0.07	-0.02	1.97e-06	-1.42	0.0	-0.07	-1.15	0.01	0.24	-0.02	-0.07
		-0.48	-0.02	0.0		20.0	-0.07	-1.04	0.01	0.24	-0.02	-0.28
						40.0	-0.07	-0.93	0.01	0.24	-0.02	-0.48
154	6	-0.50	-0.05	2.91e-04	1.60	0.0	4.39	-14.46	0.04	1.11	-0.06	-5.31

		-5.31	-0.06	5.76e-06		20.0	4.39	-14.53	0.04	1.11	-0.06	-2.43
						40.0	4.39	-14.60	0.04	1.11	-0.05	-0.70
154	8	-3.67	0.30	-1.97e-05	17.71	0.0	17.58	-7.31	-0.02	1.46	0.30	-3.67
		-5.83	0.29	1.09e-05		20.0	17.58	-6.10	-0.02	1.45	0.30	-4.84
						40.0	17.58	-4.93	-0.02	1.44	0.29	-5.83
155	2	-0.45	-0.04	3.51e-06	-3.49	0.0	-0.20	-2.53	0.02	0.45	-0.05	-0.45
		-1.35	-0.05	0.0		20.0	-0.20	-2.26	0.02	0.45	-0.04	-0.92
						40.0	-0.20	-2.00	0.02	0.45	-0.04	-1.35
155	3	0.44	-0.03	-1.35e-05	-2.29	0.0	9.82e-03	-2.96	0.02	0.72	-0.03	0.44
		-0.68	-0.03	0.0		20.0	9.82e-03	-2.78	0.02	0.72	-0.03	-0.14
						40.0	9.82e-03	-2.62	0.02	0.72	-0.03	-0.68
155	4	-4.74e-03	9.25e-03	2.07e-06	-3.75	0.0	-0.43	2.09	-7.52e-03	-0.19	9.25e-03	-0.28
		-0.28	6.24e-03	0.0		20.0	-0.43	0.49	-7.52e-03	-0.19	7.75e-03	-0.02
						40.0	-0.43	-1.11	-7.52e-03	-0.19	6.24e-03	-0.08
155	8	-1.36	0.31	-1.11e-06	16.07	0.0	16.20	-11.79	-0.05	3.04	0.31	-1.36
		-5.22	0.29	8.52e-06		20.0	16.20	-10.65	-0.05	3.04	0.30	-3.28
						40.0	16.20	-9.52	-0.05	3.03	0.29	-5.22
155	9	-0.83	0.25	-3.56e-05	14.69	0.0	13.33	-19.28	-0.07	5.04	0.25	-2.12
		-5.40	0.22	-9.28e-06		20.0	13.33	-18.24	-0.07	5.03	0.24	-1.98
						40.0	13.33	-17.22	-0.07	5.03	0.22	-5.40
156	2	-2.30	1.86e-03	2.21e-05	-2.23	0.0	0.86	-1.89	-1.44e-03	-0.35	1.86e-03	-2.30
		-2.99	1.29e-03	0.0		20.0	0.86	-1.71	-1.44e-03	-0.35	1.57e-03	-2.66
						40.0	0.86	-1.55	-1.44e-03	-0.35	1.29e-03	-2.99
156	3	-0.79	9.00e-04	7.57e-06	-0.68	0.0	0.27	-0.63	-7.08e-04	-0.11	9.00e-04	-0.79
		-1.02	6.17e-04	0.0		20.0	0.27	-0.58	-7.08e-04	-0.11	7.59e-04	-0.91
						40.0	0.27	-0.53	-7.08e-04	-0.11	6.17e-04	-1.02
156	4	-1.32	-5.41e-03	-1.29e-05	-6.54	0.0	0.10	0.85	0.01	0.39	-0.01	-1.37
		-1.59	-0.01	0.0		20.0	0.10	-0.54	0.01	0.39	-8.30e-03	-1.34
						40.0	0.10	-1.93	0.01	0.39	-5.41e-03	-1.59
156	7	-2.71	-0.09	-1.89e-04	8.29	0.0	7.21	-14.57	0.13	2.77	-0.15	-3.19
		-4.71	-0.15	2.70e-06		20.0	7.21	-13.99	0.13	2.76	-0.12	-2.93
						40.0	7.21	-13.41	0.13	2.76	-0.09	-4.71
156	8	-12.86	-0.10	1.91e-03	11.39	0.0	15.67	-11.10	0.08	1.85	-0.13	-17.61
		-17.61	-0.13	1.40e-05		20.0	15.67	-11.93	0.08	1.85	-0.12	-15.31
						40.0	15.67	-12.61	0.08	1.85	-0.10	-12.86
157	1	2.52	6.49e-03	-4.51e-05	-15.09	0.0	0.57	9.03	0.07	0.70	-0.02	-1.52
		-1.52	-0.02	0.0		21.4	0.57	9.43	0.07	0.70	-9.08e-03	0.46
						42.8	0.57	9.85	0.07	0.70	6.49e-03	2.52
157	6	-6.58	0.40	6.28e-05	12.31	0.0	8.98	-37.67	2.16	10.81	-0.57	-6.58
		-18.06	-0.57	-5.00e-06		21.4	8.98	-38.49	2.16	10.81	-0.09	-10.77
						42.8	8.98	-39.33	2.16	10.82	0.40	-18.06
157	8	-41.58	1.77	-5.91e-04	25.75	0.0	-34.55	-52.54	-4.12	8.05	1.77	-41.58
		-63.28	0.03	1.97e-05		21.4	-34.55	-50.77	-4.12	8.05	0.90	-52.63
						42.8	-34.55	-48.75	-4.12	8.05	0.03	-63.28
158	3	-0.19	0.03	-1.26e-05	-2.14	0.0	-0.05	-1.86	-0.03	-0.55	0.03	-0.19
		-0.87	0.02	0.0		20.0	-0.05	-1.70	-0.03	-0.55	0.02	-0.55
						40.0	-0.05	-1.54	-0.03	-0.55	0.02	-0.87
158	4	0.02	-3.65e-03	-2.19e-06	-3.78	0.0	-0.42	1.83	6.47e-03	0.12	-6.23e-03	-0.19
		-0.19	-6.23e-03	0.0		20.0	-0.42	0.22	6.47e-03	0.12	-4.94e-03	0.02
						40.0	-0.42	-1.38	6.47e-03	0.12	-3.65e-03	-0.10
158	6	-0.31	0.02	2.05e-04	1.26	0.0	-1.48	-11.95	-0.05	1.83	0.02	-2.04
		-2.81	-0.02	5.70e-06		20.0	-1.48	-12.02	-0.05	1.83	3.47e-03	-0.48
						40.0	-1.48	-12.10	-0.05	1.83	-0.02	-2.81
158	8	-3.48	0.29	2.95e-03	16.12	0.0	-18.04	-4.19	-0.16	1.03	0.29	-3.48
		-4.34	0.23	9.24e-06		20.0	-18.04	-3.31	-0.16	1.02	0.26	-3.99
						40.0	-18.04	-2.68	-0.16	1.02	0.23	-4.34
158	9	-1.49	0.22	2.58e-03	14.25	0.0	-13.27	-11.78	-0.11	3.19	0.22	-1.49
		-5.36	0.18	-8.59e-06		20.0	-13.27	-10.80	-0.11	3.18	0.20	-3.39
						40.0	-13.27	-9.85	-0.11	3.18	0.18	-5.36
159	5	-0.35	0.02	-1.07e-06	-1.40	0.0	-0.11	-0.48	-0.01	-0.10	0.02	-0.35
		-0.50	9.99e-03	0.0		20.0	-0.11	-0.37	-0.01	-0.10	0.01	-0.43
						40.0	-0.11	-0.27	-0.01	-0.10	9.99e-03	-0.50
159	6	-0.81	0.04	2.83e-04	1.63	0.0	3.47	-11.91	-0.07	1.30	0.04	-1.47
		-3.63	0.03	6.01e-06		20.0	3.47	-11.91	-0.07	1.30	0.04	-1.41
						40.0	3.47	-11.92	-0.07	1.30	0.03	-3.63
159	7	-0.65	0.06	4.33e-04	3.07	0.0	2.78	-15.58	-0.08	2.42	0.06	-3.06
		-3.37	-0.03	-5.99e-06		20.0	2.78	-15.78	-0.08	2.42	0.01	-0.65
						40.0	2.78	-15.98	-0.08	2.42	-0.03	-3.37
159	8	-4.75	0.30	3.28e-03	18.05	0.0	-18.87	-2.52	-0.14	1.09	0.30	-5.77
		-5.77	0.24	1.16e-05		20.0	-18.87	-3.35	-0.14	1.10	0.27	-5.37
						40.0	-18.87	-4.43	-0.14	1.10	0.24	-4.75
160	4	-1.19	-1.13e-03	2.86e-05	-5.57	0.0	-0.25	1.62	1.98e-03	-0.28	-1.92e-03	-1.36
		-1.36	-1.92e-03	0.0		20.0	-0.25	0.15	1.98e-03	-0.28	-1.52e-03	-1.19
						40.0	-0.25	-1.31	1.98e-03	-0.28	-1.13e-03	-1.30
160	5	-0.37	0.01	2.24e-06	-1.32	0.0	-0.15	-0.77	-0.02	-0.19	0.01	-0.37
		-0.63	7.36e-03	0.0		20.0	-0.15	-0.67	-0.02	-0.19	0.01	-0.51
						40.0	-0.15	-0.57	-0.02	-0.19	7.36e-03	-0.63

160	7	-1.49	0.09	-2.94e-04	3.45	0.0	2.56	-12.34	-0.05	1.79	0.09	-1.50
		-4.92	0.07	-6.46e-06		20.0	2.56	-12.28	-0.05	1.79	0.08	-2.70
						40.0	2.56	-12.19	-0.05	1.79	0.07	-4.92
160	8	-4.15	0.30	4.13e-03	22.92	0.0	-14.22	-10.18	-0.15	4.33	0.30	-8.81
		-8.81	0.24	1.38e-05		20.0	-14.22	-11.79	-0.15	4.33	0.27	-6.64
						40.0	-14.22	-13.44	-0.15	4.34	0.24	-4.15
161	2	-0.11	-0.03	-8.16e-06	-3.39	0.0	-0.23	-3.48	0.03	0.79	-0.04	-0.11
		-1.40	-0.04	0.0		20.0	-0.23	-3.22	0.03	0.79	-0.04	-0.78
						40.0	-0.23	-2.97	0.03	0.78	-0.03	-1.40
161	5	-0.04	-0.01	-3.26e-06	-1.35	0.0	-0.09	-1.39	0.01	0.31	-0.02	-0.04
		-0.56	-0.02	0.0		20.0	-0.09	-1.29	0.01	0.31	-0.02	-0.31
						40.0	-0.09	-1.19	0.01	0.31	-0.01	-0.56
161	6	-1.12	-0.09	7.94e-05	5.01	0.0	3.47	-11.70	0.04	0.52	-0.10	-1.98
		-3.12	-0.10	6.18e-06		20.0	3.47	-11.44	0.04	0.52	-0.09	-1.30
						40.0	3.47	-11.15	0.04	0.52	-0.09	-3.12
161	8	-5.80	0.32	-5.88e-05	22.10	0.0	13.04	-1.81	-0.06	1.39	0.32	-6.48
		-6.48	0.29	1.31e-05		20.0	13.04	-2.42	-0.06	1.40	0.31	-6.29
						40.0	13.04	-3.69	-0.06	1.41	0.29	-5.80
162	2	1.20	0.07	5.72e-06	-3.63	0.0	0.09	-5.25	-0.30	0.97	0.07	1.20
		-0.79	-0.05	0.0		20.0	0.09	-4.97	-0.30	0.97	0.01	0.18
						40.0	0.09	-4.70	-0.30	0.97	-0.05	-0.79
162	4	-0.49	7.80e-03	5.51e-06	-3.98	0.0	-0.39	1.69	0.03	-0.21	-4.80e-03	-0.67
		-0.67	-4.80e-03	0.0		20.0	-0.39	0.11	0.03	-0.21	1.50e-03	-0.49
						40.0	-0.39	-1.48	0.03	-0.21	7.80e-03	-0.62
162	6	-3.36	0.56	2.91e-04	1.60	0.0	7.55	-23.64	-1.56	1.00	0.56	-12.82
		-12.82	-0.06	5.77e-06		20.0	7.55	-23.71	-1.56	1.00	0.25	-8.09
						40.0	7.55	-23.78	-1.56	1.00	-0.06	-3.36
162	8	-1.31	0.30	-9.91e-06	17.54	0.0	14.63	-19.34	1.41	4.78	-0.27	-1.88
		-6.01	-0.27	1.04e-05		20.0	14.63	-18.08	1.41	4.77	0.02	-2.71
						40.0	14.63	-16.82	1.41	4.76	0.30	-6.01
163	3	1.57	0.05	1.30e-05	-2.44	0.0	0.17	-4.69	-0.21	0.88	0.05	1.57
		-0.23	-0.03	0.0		20.0	0.17	-4.51	-0.21	0.88	8.42e-03	0.65
						40.0	0.17	-4.33	-0.21	0.87	-0.03	-0.23
163	4	-0.08	9.25e-03	1.79e-06	-3.73	0.0	-0.46	2.56	0.06	-0.28	-0.01	-0.49
		-0.49	-0.01	0.0		20.0	-0.46	0.96	0.06	-0.28	-1.89e-03	-0.14
						40.0	-0.46	-0.65	0.06	-0.28	9.25e-03	-0.11
163	6	-2.73	0.42	1.25e-04	0.80	0.0	4.65	-18.86	-1.15	0.69	0.42	-10.29
		-10.29	-0.04	5.54e-06		20.0	4.65	-18.90	-1.15	0.69	0.19	-6.51
						40.0	4.65	-18.94	-1.15	0.69	-0.04	-2.73
163	8	-0.80	0.31	4.82e-06	16.22	0.0	12.72	-25.52	1.70	6.05	-0.37	-4.58
		-5.29	-0.37	8.00e-06		20.0	12.72	-24.36	1.70	6.04	-0.03	-0.92
						40.0	12.72	-23.19	1.70	6.04	0.31	-5.29
164	2	-2.75	1.29e-03	1.53e-05	-2.01	0.0	0.75	-1.27	-4.81e-04	-0.23	1.29e-03	-2.75
		-3.19	1.09e-03	0.0		20.0	0.75	-1.11	-4.81e-04	-0.23	1.19e-03	-2.98
						40.0	0.75	-0.96	-4.81e-04	-0.23	1.09e-03	-3.19
164	3	-0.94	6.17e-04	5.25e-06	-0.61	0.0	0.24	-0.42	-1.58e-04	-0.07	6.17e-04	-0.94
		-1.09	5.54e-04	0.0		20.0	0.24	-0.38	-1.58e-04	-0.07	5.86e-04	-1.02
						40.0	0.24	-0.33	-1.58e-04	-0.07	5.54e-04	-1.09
164	4	-1.66	-3.93e-03	-9.18e-06	-6.42	0.0	0.12	1.01	3.71e-03	0.24	-5.41e-03	-1.73
		-1.89	-5.41e-03	0.0		20.0	0.12	-0.38	3.71e-03	0.25	-4.67e-03	-1.67
						40.0	0.12	-1.78	3.71e-03	0.25	-3.93e-03	-1.89
164	8	-7.57	-0.06	1.24e-03	7.85	0.0	10.12	-12.03	0.10	1.16	-0.10	-12.59
		-12.59	-0.10	1.37e-05		20.0	10.12	-12.59	0.10	1.16	-0.08	-10.13
						40.0	10.12	-13.01	0.10	1.16	-0.06	-7.57
165	3	0.43	0.03	-1.35e-05	-2.29	0.0	9.80e-03	-2.94	-0.02	-0.73	0.03	0.43
		-0.68	0.03	0.0		20.0	9.80e-03	-2.76	-0.02	-0.72	0.03	-0.14
						40.0	9.80e-03	-2.60	-0.02	-0.72	0.03	-0.68
165	4	-4.24e-03	-6.23e-03	-2.08e-06	-3.76	0.0	-0.43	2.09	7.29e-03	0.19	-9.15e-03	-0.27
		-0.27	-9.15e-03	0.0		20.0	-0.43	0.48	7.29e-03	0.19	-7.69e-03	-0.02
						40.0	-0.43	-1.12	7.29e-03	0.19	-6.23e-03	-0.08
165	6	-0.09	0.03	1.45e-04	0.93	0.0	2.39	-12.38	-0.03	1.50	0.03	-4.66
		-4.66	0.02	5.65e-06		20.0	2.39	-12.42	-0.03	1.50	0.03	-2.18
						40.0	2.39	-12.48	-0.03	1.50	0.02	-0.33
165	7	-0.10	0.04	2.47e-04	1.82	0.0	1.97	-16.03	-0.03	2.56	0.04	-6.03
		-6.03	0.03	-5.63e-06		20.0	1.97	-16.13	-0.03	2.56	0.04	-2.81
						40.0	1.97	-16.26	-0.03	2.56	0.03	-0.44
165	8	-1.35	0.31	2.94e-03	16.08	0.0	-16.24	-11.84	-0.03	3.05	0.31	-1.35
		-5.24	0.29	8.51e-06		20.0	-16.24	-10.70	-0.03	3.04	0.30	-3.29
						40.0	-16.24	-9.56	-0.03	3.03	0.29	-5.24
166	4	-0.51	-4.74e-03	-6.80e-06	-4.05	0.0	-0.40	1.47	7.46e-03	0.08	-7.73e-03	-0.65
		-0.69	-7.73e-03	0.0		20.0	-0.40	-0.11	7.46e-03	0.08	-6.24e-03	-0.51
						40.0	-0.40	-1.69	7.46e-03	0.08	-4.74e-03	-0.69
166	5	-0.07	0.02	-1.97e-06	-1.42	0.0	-0.07	-1.14	-9.65e-03	-0.24	0.02	-0.07
		-0.48	0.02	0.0		20.0	-0.07	-1.03	-9.65e-03	-0.24	0.02	-0.29
						40.0	-0.07	-0.93	-9.65e-03	-0.24	0.02	-0.48
166	6	-0.51	0.05	2.58e-04	1.49	0.0	5.48	-13.23	-0.05	0.86	0.05	-4.62
		-4.62	0.04	5.93e-06		20.0	5.48	-13.24	-0.05	0.86	0.05	-2.01

						40.0	5.48	-13.25	-0.05	0.86	0.04	-0.87
166	7	-0.43	0.06	4.14e-04	2.90	0.0	4.43	-15.90	-0.04	1.62	0.06	-6.43
		-6.43	0.06	-5.88e-06		20.0	4.43	-16.09	-0.04	1.62	0.06	-3.24
						40.0	4.43	-16.28	-0.04	1.62	0.06	-0.43
166	8	-3.66	0.30	3.23e-03	17.71	0.0	-17.63	-7.34	-0.01	1.46	0.30	-3.66
		-5.84	0.30	1.09e-05		20.0	-17.63	-6.13	-0.01	1.45	0.30	-4.85
						40.0	-17.63	-4.95	-0.01	1.44	0.30	-5.84
167	4	-1.36	-1.92e-03	2.55e-05	-5.28	0.0	-0.16	1.60	8.24e-03	-0.20	-5.21e-03	-1.53
		-1.53	-5.21e-03	0.0		20.0	-0.16	0.11	8.24e-03	-0.19	-3.57e-03	-1.36
						40.0	-0.16	-1.38	8.24e-03	-0.19	-1.92e-03	-1.49
167	5	-0.05	0.02	3.26e-06	-1.36	0.0	-0.09	-1.38	-0.01	-0.32	0.02	-0.05
		-0.56	0.01	0.0		20.0	-0.09	-1.28	-0.01	-0.32	0.02	-0.31
						40.0	-0.09	-1.18	-0.01	-0.31	0.01	-0.56
167	6	-1.24	0.07	-8.61e-05	6.27	0.0	4.47	-10.57	-0.04	0.56	0.07	-1.50
		-3.43	0.06	6.29e-06		20.0	4.47	-10.21	-0.04	0.56	0.07	-1.73
						40.0	4.47	-9.83	-0.04	0.56	0.06	-3.43
167	8	-5.80	0.31	4.00e-03	22.11	0.0	-13.07	-1.78	-0.05	1.39	0.31	-6.48
		-6.48	0.30	1.31e-05		20.0	-13.07	-2.38	-0.05	1.40	0.31	-6.29
						40.0	-13.07	-3.66	-0.05	1.41	0.30	-5.80
168	2	1.35	0.07	-9.00e-06	-3.50	0.0	0.02	-5.82	-0.28	1.11	0.07	1.35
		-0.87	-0.04	0.0		20.0	0.02	-5.56	-0.28	1.11	0.01	0.21
						40.0	0.02	-5.30	-0.28	1.11	-0.04	-0.87
168	4	-1.53	0.01	-2.19e-05	-5.03	0.0	-0.07	1.81	-0.01	0.09	0.01	-1.75
		-1.75	5.25e-03	0.0		20.0	-0.07	0.30	-0.01	0.08	7.99e-03	-1.54
						40.0	-0.07	-1.21	-0.01	0.08	5.25e-03	-1.63
168	6	-1.03	0.51	7.83e-05	4.23	0.0	6.55	-21.44	-1.52	1.65	0.51	-8.99
		-8.99	-0.10	6.13e-06		20.0	6.55	-21.22	-1.52	1.65	0.21	-4.77
						40.0	6.55	-20.97	-1.52	1.65	-0.10	-1.03
168	8	-2.04	0.32	-4.53e-05	21.50	0.0	10.35	-13.58	1.54	2.73	-0.30	-2.04
		-6.40	-0.30	1.26e-05		20.0	10.35	-12.06	1.54	2.72	8.30e-03	-4.25
						40.0	10.35	-10.52	1.54	2.71	0.32	-6.40
169	2	-3.05	1.31e-03	7.96e-06	-1.87	0.0	0.70	-0.70	5.33e-04	-0.11	1.09e-03	-3.05
		-3.27	1.09e-03	0.0		20.0	0.70	-0.55	5.33e-04	-0.11	1.20e-03	-3.18
						40.0	0.70	-0.41	5.33e-04	-0.11	1.31e-03	-3.27
169	3	-1.05	6.40e-04	-2.73e-06	-0.56	0.0	0.22	-0.23	2.15e-04	-0.04	5.54e-04	-1.05
		-1.12	5.54e-04	0.0		20.0	0.22	-0.19	2.15e-04	-0.04	5.97e-04	-1.09
						40.0	0.22	-0.14	2.15e-04	-0.04	6.40e-04	-1.12
169	4	-1.86	-3.77e-03	4.84e-06	-6.33	0.0	0.14	1.20	4.10e-04	0.12	-3.93e-03	-1.97
		-2.05	-3.93e-03	0.0		20.0	0.14	-0.20	4.10e-04	0.12	-3.85e-03	-1.87
						40.0	0.14	-1.60	4.10e-04	0.12	-3.77e-03	-2.05
169	7	-4.15	-0.08	-9.88e-05	8.72	0.0	6.34	-7.77	0.02	0.99	-0.08	-4.15
		-6.64	-0.08	2.09e-06		20.0	6.34	-7.19	0.02	0.98	-0.08	-5.41
						40.0	6.34	-6.59	0.02	0.98	-0.08	-6.64
169	8	-2.48	-0.02	6.20e-04	4.63	0.0	5.04	-12.89	0.10	0.81	-0.06	-7.74
		-7.74	-0.06	1.36e-05		20.0	5.04	-13.20	0.10	0.81	-0.04	-5.13
						40.0	5.04	-13.38	0.10	0.81	-0.02	-2.48
170	3	1.57	0.03	1.30e-05	-2.44	0.0	0.17	-4.67	0.21	-0.88	-0.05	1.57
		-0.23	-0.05	0.0		20.0	0.17	-4.48	0.21	-0.88	-8.99e-03	0.65
						40.0	0.17	-4.31	0.21	-0.88	0.03	-0.23
170	6	-2.62	0.03	9.75e-05	0.64	0.0	4.80	-17.10	0.97	0.49	-0.36	-9.47
		-9.47	-0.36	5.61e-06		20.0	4.80	-17.12	0.97	0.49	-0.17	-6.05
						40.0	4.80	-17.15	0.97	0.49	0.03	-2.62
170	7	-2.86	0.04	1.70e-04	1.28	0.0	4.73	-21.05	1.14	1.17	-0.42	-11.30
		-11.30	-0.42	-5.64e-06		20.0	4.73	-21.12	1.14	1.17	-0.19	-7.09
						40.0	4.73	-21.20	1.14	1.17	0.04	-2.86
170	8	-0.78	0.31	2.94e-03	16.23	0.0	-12.71	-25.64	1.72	6.06	-0.38	-4.56
		-5.34	-0.38	8.00e-06		20.0	-12.71	-24.47	1.72	6.05	-0.04	-0.93
						40.0	-12.71	-23.31	1.72	6.04	0.31	-5.34
171	2	1.19	0.05	-5.74e-06	-3.63	0.0	0.09	-5.22	0.30	-0.97	-0.07	1.19
		-0.79	-0.07	0.0		20.0	0.09	-4.95	0.30	-0.97	-0.01	0.17
						40.0	0.09	-4.68	0.30	-0.97	0.05	-0.79
171	6	-2.97	0.05	2.42e-04	1.38	0.0	8.29	-22.38	1.34	1.05	-0.50	-11.90
		-11.90	-0.50	5.86e-06		20.0	8.29	-22.40	1.34	1.05	-0.22	-7.43
						40.0	8.29	-22.41	1.34	1.06	0.05	-2.97
171	7	-4.03	0.06	4.10e-04	2.83	0.0	7.58	-24.55	1.54	0.90	-0.56	-13.91
		-13.91	-0.56	-5.88e-06		20.0	7.58	-24.74	1.54	0.90	-0.25	-8.99
						40.0	7.58	-24.93	1.54	0.90	0.06	-4.03
171	8	-1.28	0.30	3.20e-03	17.54	0.0	-14.64	-19.50	1.43	4.78	-0.28	-1.87
		-6.04	-0.28	1.04e-05		20.0	-14.64	-18.24	1.43	4.77	0.01	-2.71
						40.0	-14.64	-16.98	1.43	4.76	0.30	-6.04
172	2	1.34	0.04	-9.01e-06	-3.50	0.0	0.02	-5.79	0.28	-1.12	-0.07	1.34
		-0.87	-0.07	0.0		20.0	0.02	-5.53	0.28	-1.11	-0.01	0.21
						40.0	0.02	-5.27	0.28	-1.11	0.04	-0.87
172	6	-0.96	0.07	8.56e-05	5.41	0.0	7.27	-20.74	1.28	1.61	-0.45	-8.15
		-8.15	-0.45	6.21e-06		20.0	7.27	-20.42	1.28	1.61	-0.19	-4.10
						40.0	7.27	-20.08	1.28	1.61	0.07	-0.96
172	7	-1.84	0.10	-1.87e-04	2.57	0.0	6.56	-21.37	1.50	1.72	-0.51	-10.17

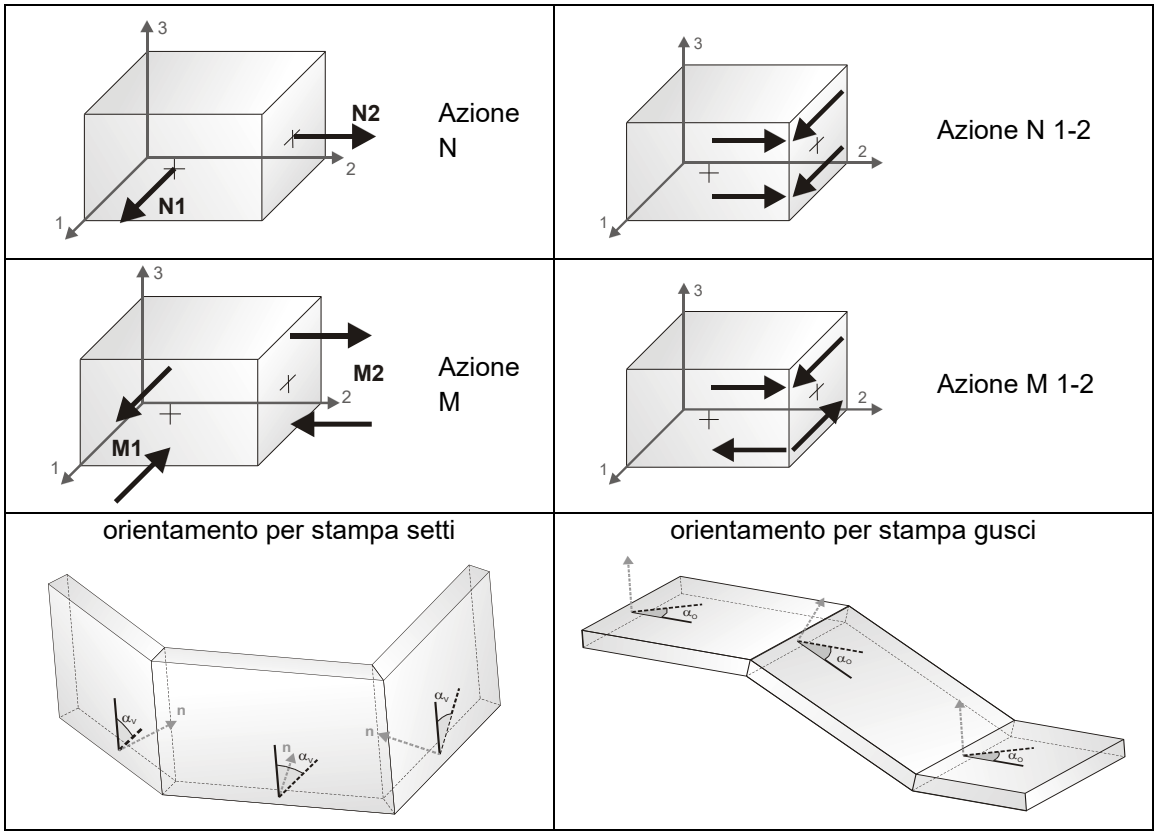
		-10.17	-0.51	-6.25e-06		20.0	6.56	-21.37	1.50	1.71	-0.21	-5.93
						40.0	6.56	-21.34	1.50	1.71	0.10	-1.84
172	8	-2.00	0.31	3.89e-03	21.50	0.0	-10.33	-13.73	1.56	2.73	-0.31	-2.00
		-6.43	-0.31	1.26e-05		20.0	-10.33	-12.21	1.56	2.72	2.44e-04	-4.24
						40.0	-10.33	-10.67	1.56	2.71	0.31	-6.43
173	7	-5.84	-0.08	-7.76e-05	9.18	0.0	6.06	-5.04	-0.02	0.17	-0.08	-5.84
		-7.31	-0.08	1.81e-06		20.0	6.06	-4.48	-0.02	0.17	-0.08	-6.62
						40.0	6.06	-3.94	-0.02	0.17	-0.08	-7.31
173	8	-0.16	0.02	2.96e-04	1.59	0.0	0.18	-13.37	0.09	0.70	-0.02	-2.86
		-2.86	-0.02	1.35e-05		20.0	0.18	-13.44	0.09	0.70	-1.38e-03	-0.18
						40.0	0.18	-13.39	0.09	0.70	0.02	-2.51
173	13	-0.04	5.02e-03	1.46e-04	0.79	0.0	0.05	-4.22	0.03	0.74	-5.83e-03	-0.92
		-0.92	-5.83e-03	-7.76e-06		20.0	0.05	-4.26	0.03	0.74	-4.06e-04	-0.07
						40.0	0.05	-4.23	0.03	0.74	5.02e-03	-0.78
174	6	-6.00	-0.08	7.80e-06	9.54	0.0	6.32	-3.80	0.02	0.87	-0.08	-7.37
		-7.37	-0.08	-2.02e-06		20.0	6.32	-4.37	0.02	0.88	-0.08	-6.73
						40.0	6.32	-4.98	0.02	0.88	-0.08	-6.00
174	7	-7.36	-0.08	-5.86e-05	9.83	0.0	5.83	-2.90	-0.02	0.72	-0.08	-7.36
		-7.74	-0.08	1.54e-06		20.0	5.83	-2.61	-0.02	0.73	-0.08	-7.61
						40.0	5.83	-2.49	-0.02	0.73	-0.08	-7.74
174	8	-2.11	0.06	-3.02e-04	4.41	0.0	-4.68	-13.40	0.10	0.80	0.02	-2.11
		-7.39	0.02	1.36e-05		20.0	-4.68	-13.23	0.10	0.80	0.04	-4.77
						40.0	-4.68	-12.94	0.10	0.80	0.06	-7.39
174	13	-1.04	0.02	-1.48e-04	2.18	0.0	-1.45	-4.20	0.03	0.79	5.02e-03	-1.04
		-2.65	5.02e-03	-7.76e-06		20.0	-1.45	-4.12	0.03	0.79	0.01	-1.85
						40.0	-1.45	-3.98	0.03	0.79	0.02	-2.65
175	3	-0.95	6.38e-04	5.08e-06	-0.61	0.0	0.23	0.32	1.74e-04	0.07	5.68e-04	-1.10
		-1.10	5.68e-04	0.0		20.0	0.23	0.36	1.74e-04	0.07	6.03e-04	-1.03
						40.0	0.23	0.41	1.74e-04	0.07	6.38e-04	-0.95
175	6	-4.88	-0.08	2.45e-05	9.81	0.0	6.66	-6.79	-0.03	1.82	-0.08	-7.39
		-7.39	-0.09	-2.30e-06		20.0	6.66	-7.45	-0.03	1.82	-0.09	-6.15
						40.0	6.66	-8.13	-0.03	1.83	-0.09	-4.88
175	8	-7.20	0.10	-3.19e-04	7.62	0.0	-9.73	-13.04	0.10	1.13	0.06	-7.20
		-12.24	0.06	1.37e-05		20.0	-9.73	-12.63	0.10	1.13	0.08	-9.76
						40.0	-9.73	-12.10	0.10	1.13	0.10	-12.24
176	3	-0.80	9.55e-04	7.41e-06	-0.68	0.0	0.27	0.52	7.94e-04	0.11	6.38e-04	-1.03
		-1.03	6.38e-04	0.0		20.0	0.27	0.57	7.94e-04	0.11	7.97e-04	-0.92
						40.0	0.27	0.62	7.94e-04	0.11	9.55e-04	-0.80
176	6	-3.73	-0.09	3.94e-05	10.25	0.0	7.14	-10.51	-0.11	2.88	-0.09	-7.20
		-7.20	-0.14	-2.62e-06		20.0	7.14	-11.22	-0.11	2.89	-0.12	-5.35
						40.0	7.14	-11.94	-0.11	2.89	-0.14	-3.73
176	8	-12.47	0.12	-3.48e-04	11.13	0.0	-15.23	-12.58	0.07	1.78	0.10	-12.47
		-17.21	0.10	1.39e-05		20.0	-15.23	-11.91	0.07	1.78	0.11	-14.91
						40.0	-15.23	-11.11	0.07	1.78	0.12	-17.21

Trave f.	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Pt**	**N**	**V 2**	**V 3**	**T**
	-71.10	-3.60	-5.91e-04	-15.17	-38.38	-107.92	-17.29	-2.15
	5.07	2.31	5.09e-03	29.21	38.10	14.53	7.78	36.10

RISULTATI ELEMENTI TIPO SHELL

LEGENDA RISULTATI ELEMENTI TIPO SHELL

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



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

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

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.
In questo caso gli elementi vengono raggruppati in gruppi (M_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi.
I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_O attorno all'asse Z per i gusci e ruotata di α_V attorno alla normale (che per definizione è orizzontale) al piano del setto.
Per i setti, in particolare, se α_V è zero, l'asse '1-1 rappresenta la verticale e l'asse '2-2 l'orizzontale contenuta nel setto.
Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

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

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

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

M_G	CDC	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			kN/ m	kN/ m	kN/ m	kN/ m	kN/ m	kN	kN	kN	kN	kN
1	8	1	14.94	-20.18	14.83	-20.06	2.03	-12.03	-65.14	-12.06	-65.11	1.26
1	8	3	24.46	-21.20	24.38	-21.11	1.94	-0.47	-73.54	-0.58	-73.43	-2.81
1	8	5	26.52	-20.62	26.45	-20.55	1.85	6.74	-78.30	6.73	-78.30	0.57
1	8	7	20.77	-26.27	-26.19	20.70	1.84	80.04	-6.68	-6.67	80.03	0.66
1	8	9	19.69	-20.80	-20.40	19.29	4.01	52.41	1.82	1.83	52.40	0.72
1	8	11	18.38	-12.86	-12.38	17.90	3.86	47.08	2.91	3.49	46.50	5.00
1	8	13	35.16	-4.34	-1.20	32.02	10.68	66.57	-13.23	1.22	52.12	30.73
1	8	15	8.23	-45.15	6.39	-43.30	9.75	9.82	-94.35	-8.76	-75.77	39.88
1	8	17	19.53	-16.60	-16.45	19.39	2.28	43.01	4.86	4.86	43.01	-0.12
1	8	18	17.23	-23.03	-22.97	17.17	-1.60	35.15	7.73	7.74	35.14	0.59
1	8	19	22.30	-18.80	-18.26	21.76	-4.68	48.92	-0.46	1.41	47.05	-9.41
1	8	20	6.32	-19.11	-18.90	6.10	-2.32	18.56	5.39	5.44	18.52	-0.77
1	8	21	7.00	-20.76	-19.63	5.86	-5.49	19.51	-4.35	0.39	14.77	-9.52
1	8	22	-0.30	-15.36	-15.36	-0.30	0.13	12.66	5.88	5.94	12.60	0.61
1	8	23	-1.92	-22.32	-22.27	-1.97	-1.01	12.94	6.01	9.16	9.79	-3.45
1	8	24	-1.59	-14.17	-14.05	-1.71	1.23	12.60	5.70	7.84	10.45	3.20
1	8	25	-2.57	-21.95	-21.90	-2.63	1.04	13.71	7.01	12.44	8.27	2.62
1	8	26	-1.40	-13.33	-12.70	-2.02	2.65	16.30	2.95	9.10	10.15	6.65
1	8	27	-2.53	-20.75	-20.67	-2.61	1.19	18.17	3.66	13.76	8.07	6.67
1	8	28	-0.99	-11.46	-10.30	-2.15	3.29	20.70	-0.55	8.98	11.18	10.57
1	8	29	-2.84	-19.58	-19.47	-2.95	1.36	23.17	-0.23	14.03	8.91	11.42
1	8	30	1.06	-9.54	-6.63	-1.86	4.73	25.89	-4.62	7.43	13.84	14.92
1	8	31	-3.25	-18.68	-18.27	-3.67	2.48	29.34	-4.70	13.39	11.25	16.99
1	8	32	7.48	-6.82	-2.41	3.07	6.60	32.23	-6.48	5.93	19.82	18.06
1	8	33	1.50	-19.95	-15.98	-2.47	8.33	37.60	-11.85	10.42	15.33	24.60
1	8	34	26.68	-3.94	-0.41	23.16	9.77	51.71	-8.89	2.78	40.05	23.89
1	8	35	23.46	-13.45	-8.70	18.70	12.36	55.33	-18.88	2.59	33.86	33.65
1	8	36	45.11	6.26e-03	3.21	41.91	11.58	66.66	-0.86	6.18	59.62	20.64
1	8	37	14.10	-17.10	-16.08	13.08	5.53	24.66	8.30	9.38	23.58	4.06
1	8	38	12.45	-14.55	-14.11	12.01	3.43	23.61	7.13	8.35	22.39	4.31
1	8	39	6.14	-13.53	-13.44	6.05	1.30	20.80	5.54	6.32	20.02	3.36
1	8	40	0.89	-11.47	-11.40	0.83	0.91	17.21	4.35	5.21	16.34	3.21
1	8	41	2.36e-02	-10.70	-9.15	-1.53	3.77	16.01	3.73	5.53	14.21	4.34
1	8	42	0.88	-10.22	-7.06	-2.29	5.01	17.47	2.37	5.98	13.86	6.44
1	8	43	3.10	-9.92	-4.55	-2.27	6.41	20.51	0.41	5.77	15.15	8.89
1	8	44	6.72	-9.86	-1.85	-1.29	8.29	24.47	-1.33	4.85	18.29	11.01
1	8	45	13.41	-7.97	0.46	4.98	10.45	29.98	-1.70	4.01	24.26	12.18
1	8	46	21.70	-5.42	0.62	15.66	11.29	34.44	-0.66	3.84	29.94	11.74
1	8	47	37.80	-8.01e-02	3.06	34.66	10.45	43.15	3.00	5.69	40.46	10.04
1	8	48	9.73	-14.52	-13.08	8.29	5.72	16.44	5.41	6.53	15.32	3.33
1	8	49	8.77	-13.35	-12.14	7.56	5.04	17.07	5.07	6.38	15.77	3.74
1	8	50	5.35	-11.22	-10.19	4.33	3.99	17.64	4.14	5.68	16.11	4.29
1	8	51	2.79	-9.66	-8.01	1.14	4.22	16.98	3.09	4.75	15.33	4.50
1	8	52	2.39	-9.32	-5.87	-1.06	5.34	16.47	2.20	4.23	14.43	4.99
1	8	53	4.06	-9.78	-3.75	-1.97	6.86	17.12	1.38	4.08	14.41	5.94
1	8	54	6.84	-10.33	-1.75	-1.74	8.59	18.89	0.59	3.88	15.60	7.03
1	8	55	10.43	-10.28	9.39e-02	6.34e-02	10.36	21.48	0.21	3.61	18.08	7.79
1	8	56	15.12	-8.37	1.19	5.56	11.54	24.45	0.37	3.36	21.46	7.94

1	8	57	20.12	-4.97	1.09	14.06	10.74	27.37	1.03	3.11	25.29	7.11
1	8	58	28.75	-1.10	2.12	25.54	9.26	29.37	1.51	3.10	27.78	6.46
1	8	59	7.59	-11.72	-9.04	4.90	6.68	12.68	3.44	4.65	11.47	3.12
1	8	60	7.44	-10.95	-8.29	4.78	6.47	12.91	3.06	4.51	11.46	3.49
1	8	61	5.51	-9.69	-7.10	2.93	5.71	13.54	2.36	4.17	11.73	4.12
1	8	62	4.51	-8.97	-5.37	0.91	5.97	13.94	1.56	3.62	11.87	4.62
1	8	63	5.03	-9.29	-3.60	-0.66	7.01	14.15	0.87	3.13	11.89	4.99
1	8	64	6.87	-10.17	-1.95	-1.36	8.51	14.63	0.37	2.82	12.18	5.38
1	8	65	9.47	-10.85	-0.36	-1.03	10.15	15.60	0.13	2.67	13.06	5.73
1	8	66	12.41	-10.58	0.65	1.18	11.49	16.94	0.19	2.60	14.53	5.88
1	8	67	14.94	-9.02	1.04	4.88	11.83	18.41	0.41	2.53	16.30	5.79
1	8	68	17.03	-5.61	0.74	10.67	10.17	19.62	0.61	2.16	18.07	5.20
1	8	69	21.17	-2.33	1.23	17.61	8.42	20.53	0.82	1.95	19.40	4.58
1	8	70	6.95	-9.71	-5.39	2.63	7.31	8.60	1.32	2.81	7.11	2.94
1	8	71	7.15	-9.54	-4.94	2.55	7.46	8.91	1.00	2.74	7.16	3.28
1	8	72	6.32	-8.81	-4.17	1.68	6.97	9.50	0.37	2.54	7.33	3.89
1	8	73	6.26	-8.82	-3.11	0.54	7.32	10.01	-0.25	2.24	7.52	4.40
1	8	74	7.19	-9.52	-1.97	-0.36	8.31	10.38	-0.70	1.94	7.74	4.72
1	8	75	8.86	-10.56	-0.94	-0.76	9.71	10.73	-0.94	1.72	8.06	4.90
1	8	76	10.87	-11.40	-3.03e-02	-0.50	11.13	11.17	-0.95	1.62	8.59	4.96
1	8	77	12.79	-11.32	0.53	0.95	12.05	11.71	-0.77	1.61	9.33	4.90
1	8	78	13.87	-9.91	0.68	3.28	11.82	12.26	-0.56	1.55	10.15	4.75
1	8	79	13.74	-6.66	0.43	6.65	9.71	12.50	-0.31	1.26	10.93	4.19
1	8	80	14.76	-3.73	0.60	10.43	7.83	12.79	4.39e-02	1.11	11.73	3.52
1	8	81	7.26	-8.26	-1.87	0.87	7.64	4.71	-1.19	0.98	2.54	2.85
1	8	82	7.61	-8.48	-1.72	0.85	7.94	5.02	-1.51	0.96	2.56	3.17
1	8	83	7.26	-8.13	-1.45	0.58	7.63	5.60	-2.08	0.89	2.63	3.74
1	8	84	7.65	-8.51	-1.08	0.22	8.05	6.08	-2.58	0.79	2.71	4.22
1	8	85	8.63	-9.43	-0.67	-0.13	9.03	6.39	-2.89	0.69	2.81	4.51
1	8	86	10.07	-10.62	-0.30	-0.26	10.35	6.54	-3.02	0.57	2.95	4.63
1	8	87	11.54	-11.69	2.75e-02	-0.18	11.61	6.60	-2.97	0.50	3.14	4.60
1	8	88	12.57	-12.00	0.23	0.34	12.29	6.64	-2.78	0.49	3.37	4.49
1	8	89	12.48	-11.05	0.25	1.18	11.75	6.64	-2.55	0.48	3.61	4.32
1	8	90	10.78	-8.26	0.15	2.37	9.45	6.25	-1.99	0.40	3.86	3.74
1	8	91	9.67	-5.78	0.22	3.67	7.53	5.81	-1.34	0.35	4.12	3.04
1	8	92	8.15	-7.30	1.56	-0.71	7.64	1.43	-4.41	-0.84	-2.13	2.85
1	8	93	8.39	-7.66	1.42	-0.69	7.95	1.75	-4.71	-0.82	-2.14	3.17
1	8	94	8.07	-7.32	1.19	-0.43	7.65	2.32	-5.29	-0.76	-2.21	3.74
1	8	95	8.47	-7.73	0.86	-0.13	8.09	2.82	-5.77	-0.68	-2.27	4.22
1	8	96	9.40	-8.74	0.53	0.13	9.07	3.13	-6.06	-0.57	-2.36	4.50
1	8	97	10.61	-10.17	0.25	0.20	10.39	3.23	-6.21	-0.49	-2.48	4.61
1	8	98	11.70	-11.61	6.78e-03	8.08e-02	11.65	3.15	-6.27	-0.48	-2.64	4.59
1	8	99	12.03	-12.60	-0.14	-0.43	12.31	2.97	-6.28	-0.49	-2.83	4.47
1	8	100	11.13	-12.39	-0.15	-1.11	11.75	2.74	-6.25	-0.47	-3.03	4.31
1	8	101	8.43	-10.50	-7.84e-02	-2.00	9.42	2.18	-5.82	-0.38	-3.25	3.73
1	8	102	6.07	-9.15	-0.14	-2.94	7.48	1.51	-5.33	-0.34	-3.49	3.03
1	8	103	9.52	-6.91	5.05	-2.44	7.32	-1.13	-8.25	-2.66	-6.71	2.93
1	8	104	9.38	-7.13	4.61	-2.36	7.49	-0.79	-8.55	-2.59	-6.75	3.27
1	8	105	8.73	-6.35	3.89	-1.50	7.04	-0.19	-9.15	-2.41	-6.93	3.87
1	8	106	8.81	-6.40	2.87	-0.46	7.42	0.42	-9.64	-2.12	-7.10	4.37
1	8	107	9.55	-7.37	1.82	0.37	8.43	0.85	-10.01	-1.85	-7.31	4.70
1	8	108	10.61	-9.06	0.86	0.69	9.83	1.06	-10.36	-1.66	-7.64	4.87
1	8	109	11.47	-11.03	3.09e-02	0.41	11.25	1.04	-10.78	-1.59	-8.15	4.91
1	8	110	11.40	-12.90	-0.45	-1.05	12.14	0.83	-11.26	-1.59	-8.84	4.84
1	8	111	9.96	-13.85	-0.57	-3.32	11.82	0.63	-11.75	-1.54	-9.58	4.70
1	8	112	6.73	-13.43	-0.33	-6.37	9.62	0.38	-11.94	-1.24	-10.32	4.16
1	8	113	3.88	-13.97	-0.49	-9.60	7.68	1.20e-02	-12.20	-1.09	-11.10	3.50
1	8	114	11.49	-7.38	8.72	-4.62	6.67	-3.28	-12.33	-4.52	-11.09	3.11
1	8	115	10.77	-7.28	7.97	-4.49	6.53	-2.91	-12.60	-4.37	-11.14	3.47
1	8	116	9.55	-5.46	6.78	-2.69	5.82	-2.17	-13.13	-4.00	-11.30	4.09
1	8	117	8.98	-4.64	5.11	-0.77	6.14	-1.42	-13.56	-3.52	-11.46	4.59
1	8	118	9.35	-5.28	3.41	0.66	7.18	-0.75	-13.83	-3.05	-11.53	4.98
1	8	119	10.24	-7.14	1.81	1.29	8.69	-0.28	-14.32	-2.75	-11.85	5.34
1	8	120	10.94	-9.72	0.28	0.94	10.33	-8.56e-02	-15.25	-2.61	-12.73	5.65
1	8	121	10.69	-12.64	-0.66	-1.28	11.66	-0.23	-16.55	-2.60	-14.17	5.75
1	8	122	9.10	-15.08	-0.94	-5.04	11.92	-0.48	-17.90	-2.56	-15.82	5.65
1	8	123	5.67	-16.88	-0.57	-10.64	10.09	-0.58	-18.91	-2.15	-17.35	5.12
1	8	124	2.58	-20.09	-0.93	-16.58	8.20	-0.80	-19.90	-1.94	-18.76	4.52
1	8	125	13.97	-9.58	12.44	-8.06	5.80	-5.09	-16.31	-6.23	-15.16	3.40
1	8	126	12.80	-8.44	11.51	-7.15	5.08	-4.65	-16.44	-6.02	-15.07	3.78
1	8	127	11.06	-5.12	9.88	-3.94	4.20	-4.01	-17.16	-5.55	-15.61	4.23
1	8	128	9.59	-2.91	7.73	-1.05	4.45	-2.98	-16.72	-4.69	-15.01	4.54
1	8	129	9.34	-2.66	5.67	1.02	5.53	-2.10	-16.31	-4.18	-14.23	5.02
1	8	130	9.80	-4.34	3.55	1.91	7.02	-1.28	-16.94	-3.99	-14.24	5.92
1	8	131	10.34	-7.16	1.52	1.66	8.75	-0.54	-18.65	-3.78	-15.41	6.94
1	8	132	10.25	-10.84	-0.48	-0.11	10.54	-0.25	-21.14	-3.53	-17.85	7.61
1	8	133	8.32	-15.46	-1.39	-5.75	11.69	-0.64	-24.17	-3.47	-21.34	7.65

1	8	134	4.96	-20.33	-0.97	-14.40	10.72	-1.22	-26.78	-3.22	-24.78	6.86
1	8	135	1.74	-27.63	-1.65	-24.24	9.39	-1.44	-28.40	-3.04	-26.80	6.35
1	8	136	17.61	-12.03	16.67	-11.09	5.19	-7.94	-20.76	-8.90	-19.80	3.38
1	8	137	15.10	-11.93	14.54	-11.37	3.87	-7.35	-22.27	-8.29	-21.34	3.61
1	8	138	13.27	-6.04	12.95	-5.72	2.45	-5.39	-20.62	-6.27	-19.73	3.56
1	8	139	11.61	-1.25	11.31	-0.95	1.95	-4.29	-17.29	-5.24	-16.34	3.39
1	8	140	10.64	-0.20	9.01	1.42	3.88	-3.60	-16.09	-5.44	-14.26	4.42
1	8	141	10.09	-1.07	6.77	2.25	5.10	-2.28	-17.44	-5.83	-13.89	6.42
1	8	142	9.77	-3.40	4.16	2.22	6.52	-0.39	-20.35	-5.59	-15.15	8.76
1	8	143	9.51	-7.28	1.05	1.19	8.39	1.27	-24.29	-4.75	-18.27	10.84
1	8	144	7.28	-13.91	-1.45	-5.18	10.43	1.68	-29.31	-3.85	-23.79	11.86
1	8	145	2.29	-22.60	-2.99	-17.33	10.17	-0.48	-36.00	-4.26	-32.22	10.96
1	8	146	-1.58	-36.32	-4.92	-32.98	10.24	-2.65	-40.44	-5.31	-37.78	9.67
1	8	147	9.88	-17.49	9.75	-17.36	1.93	-8.60	-45.58	-9.85	-44.32	6.70
1	8	148	17.32	-15.98	17.31	-15.97	0.56	-7.52	-36.10	-8.50	-35.11	5.21
1	8	149	20.46	-6.01	20.26	-5.82	-2.27	-5.67	-18.79	-5.68	-18.78	-0.33
1	8	150	15.58	-0.11	15.58	-0.11	0.17	-5.80	-12.91	-5.87	-12.84	0.70
1	8	151	13.89	1.47	13.78	1.58	1.16	-5.52	-12.69	-7.60	-10.62	3.25
1	8	152	12.89	1.35	12.25	1.99	2.65	-2.88	-16.20	-8.81	-10.27	6.62
1	8	153	11.04	0.86	9.79	2.11	3.34	0.56	-20.50	-8.69	-11.25	10.45
1	8	154	9.19	-1.31	6.25	1.62	4.71	4.36	-25.42	-7.23	-13.82	14.52
1	8	155	7.16	-7.83	2.64	-3.31	6.88	7.44	-32.17	-5.46	-19.27	18.56
1	8	156	0.26	-21.71	-3.57	-17.89	8.33	6.58	-40.54	-3.32	-30.65	19.19
1	8	157	-9.61	-43.01	-10.58	-42.03	5.62	-3.44	-65.13	-8.13	-60.45	16.35
1	8	158	15.68	-19.75	10.95	-15.02	12.04	23.41	-50.30	-1.33	-25.55	34.81
1	8	159	16.01	-19.75	14.96	-18.70	-6.03	9.75	-48.15	3.83	-42.22	-17.55
1	8	160	19.88	-7.46	18.74	-6.33	-5.46	4.22	-19.96	-0.46	-15.29	-9.55
1	8	161	21.88	1.41	21.81	1.49	-1.25	-6.17	-13.07	-9.17	-10.08	-3.42
1	8	162	21.78	2.51	21.74	2.55	0.87	-7.19	-13.75	-12.47	-8.48	2.61
1	8	163	20.77	2.60	20.69	2.68	1.17	-3.82	-18.19	-13.78	-8.23	6.63
1	8	164	19.70	2.91	19.58	3.03	1.39	3.67e-02	-23.12	-14.05	-9.03	11.30
1	8	165	18.80	3.04	18.37	3.46	2.55	4.56	-28.96	-13.27	-11.12	16.73
1	8	166	19.66	-1.61	15.78	2.27	8.21	10.66	-36.88	-10.64	-15.58	23.64
1	8	167	24.31	-30.77	-30.24	23.78	-5.35	55.52	-4.57	-0.48	51.43	-15.13
1	8	168	13.91	-6.68	12.55	-5.33	5.11	-3.15	-12.50	-3.63	-12.02	-2.06
1	8	169	21.62	-25.52	-25.46	21.55	1.71	48.31	2.43	2.97	47.78	-4.93
1	8	170	19.10	-33.65	-33.49	18.95	-2.87	38.75	5.02	5.67	38.10	-4.65
1	8	171	7.00	-34.40	-33.26	5.86	-6.77	25.50	-13.55	-3.30	15.26	-17.18
1	8	172	6.90	-30.02	-29.67	6.55	-3.59	22.59	1.12e-02	3.07	19.54	-7.73
1	8	173	-2.38	-36.46	-36.39	-2.45	-1.54	19.17	-2.97	6.53	9.66	-10.96
1	8	174	0.13	-26.92	-26.77	-1.58e-02	-2.00	17.21	-0.80	3.84	12.57	-7.87
1	8	175	-2.90	-36.11	-36.08	-2.93	1.01	15.64	2.15	10.16	7.62	-6.62
1	8	176	-1.58	-26.17	-26.13	-1.63	1.04	13.62	2.11	6.05	9.69	-5.46
1	8	177	-2.57	-34.63	-34.55	-2.65	1.59	11.98	6.76	11.87	6.87	-0.74
1	8	178	-1.60	-25.54	-25.42	-1.72	1.69	8.94	7.63	7.92	8.65	-0.54
1	8	179	-2.40	-32.62	-32.49	-2.53	1.97	13.82	5.75	12.57	7.00	2.92
1	8	180	-0.52	-24.87	-23.88	-1.51	4.81	11.25	6.05	8.53	8.77	2.59
1	8	181	-0.87	-30.65	-29.55	-1.98	5.63	17.01	3.61	12.36	8.26	6.38
1	8	182	1.04	-23.76	-21.97	-0.76	6.43	14.37	3.93	8.15	10.15	5.12
1	8	183	5.54	-26.87	-24.32	2.99	8.73	22.19	-1.33	10.11	10.74	11.76
1	8	184	6.28	-24.15	-21.18	3.31	9.02	18.36	3.86	8.23	13.98	6.65
1	8	185	12.27	-21.60	-17.64	8.32	10.87	38.76	-1.99	9.39	27.38	18.29
1	8	186	15.97	-16.59	-14.50	13.88	7.98	34.56	4.41	9.00	29.98	10.83
1	8	187	15.14	-23.62	-23.30	14.82	3.49	25.97	8.53	8.55	25.94	-0.64
1	8	188	13.31	-21.75	-21.74	13.29	0.70	24.40	7.11	7.15	24.36	-0.87
1	8	189	6.91	-22.26	-22.00	6.65	-2.73	21.61	4.22	4.67	21.15	-2.77
1	8	190	1.23	-20.94	-20.85	1.13	-1.47	17.45	2.46	3.55	16.37	-3.88
1	8	191	-1.11	-19.64	-19.56	-1.18	1.18	14.41	3.07	4.26	13.21	-3.48
1	8	192	-0.98	-19.32	-18.67	-1.63	3.40	11.84	5.34	5.35	11.83	-0.25
1	8	193	0.81	-19.79	-17.72	-1.26	6.19	12.54	5.32	5.99	11.88	2.09
1	8	194	3.09	-19.86	-16.74	-3.06e-02	7.87	14.42	5.02	6.17	13.27	3.08
1	8	195	7.75	-19.61	-16.12	4.27	9.13	17.80	5.39	6.70	16.49	3.81
1	8	196	13.85	-18.33	-16.52	12.05	7.40	19.42	6.24	7.64	18.02	4.06
1	8	197	9.93	-19.29	-18.88	9.52	3.44	16.79	5.42	5.66	16.56	-1.62
1	8	198	8.80	-18.73	-18.39	8.47	3.04	17.10	5.31	5.47	16.94	-1.36
1	8	199	4.95	-16.99	-16.98	4.94	0.37	16.82	4.58	4.63	16.77	-0.72
1	8	200	1.64	-15.66	-15.64	1.62	0.65	15.21	3.69	3.70	15.20	-0.29
1	8	201	-0.40	-14.63	-14.52	-0.51	1.24	13.37	3.46	3.46	13.37	-0.25
1	8	202	0.85	-15.65	-13.67	-1.14	5.37	12.64	3.48	3.83	12.29	1.76
1	8	203	2.34	-16.18	-13.08	-0.77	6.92	12.54	4.00	4.35	12.19	1.67
1	8	204	5.05	-16.70	-12.81	1.16	8.34	13.45	4.48	4.93	13.00	1.96
1	8	205	7.86	-16.92	-13.09	4.03	8.96	14.75	5.04	5.61	14.18	2.28
1	8	206	10.66	-15.79	-13.06	7.93	8.05	16.01	5.51	6.26	15.26	2.70
1	8	207	6.46	-13.99	-13.23	5.70	3.88	12.59	3.67	3.96	12.31	-1.58
1	8	208	6.22	-13.59	-12.83	5.46	3.80	12.39	3.64	3.86	12.17	-1.37
1	8	209	3.49	-12.15	-12.13	3.47	0.58	12.06	3.45	3.49	12.02	0.59
1	8	210	1.46	-11.14	-11.08	1.40	0.87	11.81	2.82	3.01	11.61	1.31

1	8	211	1.72	-11.91	-10.16	-2.36e-02	4.55	11.16	2.48	2.72	10.92	1.42
1	8	212	2.28	-12.39	-9.52	-0.59	5.82	10.61	2.51	2.77	10.35	1.44
1	8	213	3.62	-13.24	-9.19	-0.42	7.20	10.48	2.83	3.11	10.20	1.43
1	8	214	5.75	-13.80	-9.20	1.15	8.30	10.75	3.26	3.59	10.42	1.54
1	8	215	7.51	-13.80	-9.35	3.06	8.66	11.28	3.64	4.12	10.81	1.85
1	8	216	8.37	-12.93	-9.32	4.76	7.99	11.93	3.72	4.51	11.15	2.41
1	8	217	4.46	-9.31	-7.95	3.09	4.11	8.01	1.97	2.37	7.60	-1.52
1	8	218	4.50	-9.28	-7.74	2.96	4.34	7.89	2.02	2.35	7.57	-1.34
1	8	219	2.12	-7.34	-7.29	2.06	0.72	7.68	1.92	2.16	7.43	1.17
1	8	220	1.76	-7.49	-6.68	0.96	2.61	7.52	1.68	1.93	7.28	1.17
1	8	221	2.89	-8.88	-6.11	0.12	4.99	7.33	1.48	1.76	7.05	1.23
1	8	222	3.72	-9.67	-5.72	-0.23	6.11	7.13	1.44	1.74	6.83	1.28
1	8	223	5.04	-10.55	-5.54	3.84e-02	7.28	7.04	1.58	1.91	6.71	1.30
1	8	224	6.31	-11.16	-5.56	0.71	8.16	7.13	1.80	2.20	6.73	1.40
1	8	225	7.31	-11.15	-5.63	1.80	8.45	7.42	1.91	2.51	6.83	1.71
1	8	226	7.59	-10.58	-5.57	2.58	8.12	7.95	1.72	2.72	6.95	2.28
1	8	227	3.77	-5.51	-2.77	1.03	4.23	3.50	3.17e-02	0.83	2.70	-1.46
1	8	228	4.09	-5.79	-2.70	1.00	4.58	3.36	0.15	0.83	2.69	-1.31
1	8	229	3.64	-5.48	-2.56	0.73	4.25	3.19	0.23	0.78	2.65	1.14
1	8	230	3.75	-5.73	-2.35	0.38	4.54	3.12	0.18	0.70	2.60	1.12
1	8	231	4.34	-6.39	-2.15	9.22e-02	5.25	3.10	8.60e-02	0.64	2.55	1.17
1	8	232	5.31	-7.35	-2.01	-2.95e-02	6.25	3.09	3.26e-02	0.63	2.49	1.21
1	8	233	6.41	-8.31	-1.94	4.83e-02	7.29	3.09	3.57e-02	0.68	2.45	1.25
1	8	234	7.32	-8.97	-1.95	0.29	8.07	3.21	9.18e-03	0.77	2.44	1.36
1	8	235	7.79	-9.15	-1.97	0.61	8.37	3.53	-0.19	0.87	2.46	1.68
1	8	236	7.78	-8.87	-1.94	0.85	8.21	4.08	-0.64	0.95	2.49	2.23
1	8	237	5.26	-3.78	2.33	-0.85	4.23	0.17	-3.16	-0.69	-2.29	-1.46
1	8	238	5.56	-4.11	2.26	-0.81	4.58	5.45e-02	-3.01	-0.68	-2.28	-1.31
1	8	239	5.26	-3.68	2.13	-0.55	4.26	-3.99e-02	-2.83	-0.63	-2.24	1.14
1	8	240	5.55	-3.83	1.96	-0.24	4.56	-3.94e-03	-2.76	-0.57	-2.19	1.12
1	8	241	6.24	-4.45	1.80	-1.01e-02	5.27	7.92e-02	-2.75	-0.53	-2.14	1.16
1	8	242	7.20	-5.44	1.69	6.50e-02	6.27	0.12	-2.75	-0.54	-2.09	1.21
1	8	243	8.16	-6.53	1.65	-2.85e-02	7.30	0.12	-2.76	-0.59	-2.05	1.24
1	8	244	8.82	-7.42	1.66	-0.25	8.06	0.16	-2.88	-0.68	-2.04	1.36
1	8	245	9.01	-7.86	1.67	-0.53	8.36	0.39	-3.21	-0.77	-2.05	1.68
1	8	246	8.75	-7.83	1.63	-0.72	8.20	0.87	-3.77	-0.82	-2.08	2.23
1	8	247	8.91	-4.32	7.48	-2.89	4.11	-1.80	-7.62	-2.22	-7.20	-1.51
1	8	248	8.89	-4.37	7.26	-2.75	4.34	-1.85	-7.50	-2.19	-7.16	-1.34
1	8	249	6.92	-1.91	6.85	-1.85	0.73	-1.76	-7.30	-2.02	-7.04	1.17
1	8	250	8.29	-2.82	6.29	-0.82	4.28	-1.55	-7.12	-1.80	-6.87	1.16
1	8	251	8.69	-2.97	5.77	-5.38e-02	5.05	-1.37	-6.94	-1.66	-6.66	1.23
1	8	252	9.50	-3.84	5.42	0.24	6.15	-1.35	-6.77	-1.66	-6.46	1.27
1	8	253	10.37	-5.15	5.26	-4.23e-02	7.29	-1.49	-6.69	-1.83	-6.35	1.29
1	8	254	10.96	-6.39	5.28	-0.70	8.14	-1.70	-6.77	-2.11	-6.36	1.39
1	8	255	10.94	-7.32	5.33	-1.72	8.42	-1.78	-7.07	-2.40	-6.44	1.71
1	8	256	10.38	-7.55	5.25	-2.43	8.10	-1.56	-7.60	-2.60	-6.56	2.28
1	8	257	13.56	-6.18	12.78	-5.40	3.85	-3.53	-12.22	-3.82	-11.92	-1.58
1	8	258	13.18	-5.95	12.38	-5.15	3.83	-3.47	-12.07	-3.70	-11.85	-1.38
1	8	259	11.68	-3.22	11.66	-3.20	0.61	-3.28	-11.62	-3.33	-11.57	0.60
1	8	260	10.75	-1.30	10.69	-1.23	0.90	-2.71	-11.41	-2.91	-11.21	1.30
1	8	261	11.69	-1.81	9.84	4.93e-02	4.65	-2.41	-10.82	-2.65	-10.58	1.40
1	8	262	12.21	-2.42	9.25	0.54	5.88	-2.43	-10.32	-2.69	-10.06	1.42
1	8	263	13.05	-3.71	8.93	0.41	7.22	-2.74	-10.20	-3.02	-9.92	1.41
1	8	264	13.56	-5.80	8.92	-1.16	8.26	-3.19	-10.48	-3.52	-10.15	1.51
1	8	265	13.53	-7.46	9.05	-2.98	8.60	-3.55	-10.93	-4.03	-10.46	1.81
1	8	266	12.64	-8.26	8.97	-4.60	7.95	-3.57	-11.57	-4.38	-10.76	2.42
1	8	267	18.47	-9.76	18.03	-9.32	3.51	-5.14	-16.61	-5.35	-16.40	-1.56
1	8	268	17.90	-8.40	17.54	-8.05	3.02	-4.94	-16.34	-5.10	-16.18	-1.35
1	8	269	16.54	-4.47	16.53	-4.47	0.45	-4.46	-16.30	-4.51	-16.25	-0.75
1	8	270	15.27	-1.55	15.23	-1.52	0.76	-3.66	-14.88	-3.67	-14.88	-0.25
1	8	271	14.36	0.27	14.25	0.38	1.26	-3.42	-13.18	-3.43	-13.17	-0.23
1	8	272	15.48	-1.01	13.43	1.04	5.44	-3.39	-12.47	-3.74	-12.13	1.73
1	8	273	15.98	-2.47	12.83	0.68	6.94	-3.90	-12.38	-4.24	-12.05	1.66
1	8	274	16.44	-5.12	12.55	-1.24	8.29	-4.39	-13.24	-4.82	-12.81	1.90
1	8	275	16.53	-7.82	12.74	-4.03	8.83	-5.08	-14.65	-5.62	-14.10	2.22
1	8	276	15.45	-10.31	12.73	-7.59	7.92	-5.43	-15.51	-6.17	-14.77	2.63
1	8	277	24.22	-12.56	23.98	-12.31	3.00	-7.68	-21.85	-7.91	-21.62	-1.81
1	8	278	22.24	-12.73	22.19	-12.68	1.32	-6.89	-23.38	-6.99	-23.29	-1.24
1	8	279	21.51	-6.47	21.24	-6.20	-2.70	-4.27	-21.21	-4.65	-20.83	-2.53
1	8	280	20.68	-1.32	20.68	-1.32	0.32	-2.66	-17.33	-3.63	-16.36	-3.63
1	8	281	19.49	0.93	19.41	1.01	1.19	-3.11	-14.35	-4.20	-13.26	-3.33
1	8	282	19.06	0.86	18.40	1.52	3.42	-5.20	-11.87	-5.21	-11.86	-0.23
1	8	283	19.55	-0.97	17.44	1.15	6.24	-5.17	-12.50	-5.81	-11.87	2.07
1	8	284	19.67	-3.15	16.52	-3.68e-03	7.87	-5.00	-14.39	-6.13	-13.27	3.05
1	8	285	19.23	-7.85	15.87	-4.49	8.93	-5.28	-17.26	-6.48	-16.05	3.60
1	8	286	17.47	-13.70	15.77	-12.00	7.07	-6.78	-21.23	-7.93	-20.08	3.91
1	8	287	15.52	-19.04	15.46	-18.99	1.33	-9.08	-49.81	-9.13	-49.76	1.32

1	8	288	25.65	-17.22	25.62	-17.19	-1.10	-7.04	-38.00	-7.04	-38.00	-0.28
1	8	289	31.82	-6.47	31.47	-6.12	-3.66	-0.71	-22.47	-3.38	-19.80	-7.14
1	8	290	27.19	-0.43	27.06	-0.29	-1.95	0.53	-17.09	-3.76	-12.81	-7.56
1	8	291	25.85	1.38	25.81	1.42	0.97	-2.14	-13.53	-5.83	-9.84	-5.33
1	8	292	25.03	1.50	24.91	1.62	1.67	-7.46	-8.97	-7.67	-8.76	-0.52
1	8	293	24.42	0.38	23.39	1.41	4.87	-5.98	-11.13	-8.29	-8.82	2.56
1	8	294	23.53	-1.22	21.68	0.63	6.51	-4.01	-14.01	-7.91	-10.12	4.88
1	8	295	24.31	-6.55	21.44	-3.68	8.97	-3.01	-18.57	-8.05	-13.53	7.28
1	8	296	16.51	-13.90	14.85	-12.24	6.91	-4.64	-23.93	-7.30	-21.26	6.65
1	8	297	25.34	-13.16	25.30	-13.11	1.34	-9.57	-32.51	-9.62	-32.47	-1.01
1	8	298	29.04	-19.67	27.94	-18.57	-7.23	16.66	-54.52	6.57	-44.42	-24.83
1	8	299	33.14	-7.54	32.04	-6.44	-6.61	13.30	-25.88	3.19	-15.77	-17.15
1	8	300	35.82	1.71	35.73	1.80	-1.78	2.79	-19.28	-6.55	-9.94	-10.91
1	8	301	35.79	2.75	35.77	2.77	0.80	-2.29	-15.71	-10.19	-7.82	-6.61
1	8	302	34.49	2.58	34.42	2.66	1.56	-6.90	-12.00	-11.89	-7.01	-0.74
1	8	303	32.53	2.40	32.40	2.54	2.01	-5.87	-13.81	-12.59	-7.10	2.87
1	8	304	30.58	0.65	29.39	1.84	5.84	-3.67	-16.75	-12.29	-8.13	6.20
1	8	305	26.66	-6.14	23.95	-3.43	9.02	0.44	-21.54	-10.17	-10.92	10.98
1	8	306	22.14	-12.50	18.73	-9.10	10.31	11.60	-31.64	-0.87	-19.17	19.59
1	8	307	22.70	-14.49	21.89	-13.68	5.43	-7.03	-22.44	-7.07	-22.41	-0.77
1	8	308	36.14	-4.89	34.73	-3.48	-7.49	23.87	-33.87	8.88	-18.88	-25.31
1	8	309	39.37	2.84	39.30	2.90	1.52	-4.79	-15.86	-11.30	-9.35	-5.45
1	8	310	37.16	1.75	36.86	2.04	3.23	-8.00	-13.37	-11.50	-9.87	2.56
1	8	311	38.00	-2.38	37.37	-1.76	-4.99	7.19	-25.62	-5.34	-13.09	-15.94
1	8	312	18.79	-20.98	-20.78	18.59	2.82	61.56	8.69	8.72	61.53	-1.32
1	8	313	4.33	-36.17	-34.76	2.93	-7.41	33.58	-24.27	-8.99	18.29	-25.50
1	8	314	9.61	-29.21	-29.01	9.41	-2.79	30.28	-2.60	1.69	26.00	-11.07
1	8	315	2.50	-37.96	-37.36	1.91	-4.88	25.46	-7.37	5.33	12.76	-15.99
1	8	316	3.06	-33.39	-32.64	2.31	-5.18	23.50	-5.32	1.35	16.84	-12.15
1	8	317	-2.25	-39.88	-39.87	-2.27	-0.74	20.16	-0.47	9.61	10.07	-10.31
1	8	318	-0.64	-29.96	-29.96	-0.64	-8.47e-02	18.42	-1.33	4.21	12.88	-8.87
1	8	319	-2.86	-39.42	-39.36	-2.92	1.45	15.69	4.75	11.27	9.17	-5.37
1	8	320	-1.27	-28.87	-28.77	-1.37	1.64	14.78	3.10	6.26	11.63	-5.19
1	8	321	-1.97	-37.31	-37.04	-2.24	3.09	13.52	8.04	11.59	9.97	2.62
1	8	322	0.12	-28.43	-27.72	-0.59	4.44	12.37	6.63	6.66	12.34	-0.39
1	8	323	4.84	-33.67	-31.69	2.85	8.51	18.38	3.72	9.65	12.45	7.19
1	8	324	5.58	-30.21	-28.03	3.40	8.56	16.64	6.71	7.27	16.07	2.30
1	8	325	11.46	-28.08	-24.36	7.74	11.54	38.72	1.85	9.45	31.12	14.91
1	8	326	16.66	-22.55	-20.93	15.03	7.82	35.55	6.89	8.64	33.80	6.85
1	8	327	20.08	-10.61	20.04	-10.57	0.98	-6.61	-22.55	-6.96	-22.20	-2.33
1	8	328	19.04	-8.26	18.78	-7.99	-2.69	-5.17	-22.85	-5.37	-22.65	-1.88
1	8	329	20.80	-18.53	20.72	-18.45	1.72	-9.04	-59.89	-9.08	-59.85	-1.47
1	8	330	28.73	-9.74	28.55	-9.55	-2.68	2.04	-30.14	-1.73	-26.37	-10.35
1	8	331	13.35	-25.73	-25.68	13.30	1.36	33.79	9.69	9.73	33.75	-0.98
1	8	332	12.83	-23.40	-23.33	12.75	-1.68	30.19	4.88	5.33	29.75	-3.33
1	8	333	3.98	-23.52	-23.05	3.50	-3.58	24.03	-7.30e-02	1.73	22.23	-6.34
1	8	334	0.42	-22.19	-22.18	0.42	0.34	19.87	0.21	2.37	17.70	-6.16
1	8	335	-0.47	-21.71	-21.58	-0.59	1.63	17.41	2.07	3.60	15.88	-4.60
1	8	336	2.48	-22.78	-21.21	0.91	6.11	16.98	3.73	4.46	16.24	-3.03
1	8	337	6.76	-23.54	-21.46	4.68	7.65	19.00	5.53	5.54	18.99	-0.40
1	8	338	14.59	-23.90	-22.98	13.66	5.89	20.08	6.71	6.73	20.06	-0.53
1	8	339	17.88	-4.14	17.40	-3.67	-3.20	-2.52	-20.93	-3.03	-20.41	-3.04
1	8	340	23.11	-4.01	22.64	-3.54	-3.55	-0.16	-23.95	-1.80	-22.32	-6.02
1	8	341	21.81	-0.47	21.80	-0.47	0.38	-0.27	-19.85	-2.30	-17.82	-5.97
1	8	342	10.85	-20.50	-20.47	10.81	1.01	23.14	6.79	7.13	22.81	-2.32
1	8	343	8.43	-19.42	-19.16	8.17	-2.67	23.38	5.23	5.43	23.18	-1.93
1	8	344	4.17	-18.24	-17.78	3.71	-3.20	21.26	2.46	3.01	20.71	-3.17
1	8	345	0.99	-16.66	-16.64	0.96	0.64	18.78	1.26	2.13	17.92	-3.80
1	8	346	0.46	-16.27	-16.15	0.34	1.42	17.24	1.58	2.51	16.30	-3.71
1	8	347	3.31	-18.15	-16.36	1.52	5.93	16.81	2.66	3.44	16.03	-3.23
1	8	348	6.50	-19.26	-17.39	4.63	6.69	17.04	3.89	4.49	16.44	-2.74
1	8	349	10.26	-19.36	-18.16	9.07	5.82	17.37	4.97	5.36	16.98	-2.17
1	8	350	16.32	-1.05	16.29	-1.02	0.66	-1.28	-18.57	-2.10	-17.74	-3.68
1	8	351	32.89	-3.06	32.16	-2.33	-5.07	5.02	-23.43	-1.24	-17.16	-11.79
1	8	352	29.41	0.55	29.41	0.55	-6.24e-02	1.36	-18.40	-3.94	-13.10	-8.75
1	8	353	8.23	-15.66	-14.77	7.34	4.54	16.64	4.50	4.98	16.16	-2.37
1	8	354	5.93	-14.40	-13.94	5.47	-3.03	16.48	3.87	4.12	16.23	-1.76
1	8	355	3.73	-13.46	-12.81	3.07	-3.29	15.97	2.48	2.82	15.63	-2.13
1	8	356	1.29	-11.98	-11.93	1.25	0.76	15.05	1.51	2.02	14.54	-2.57
1	8	357	0.88	-11.69	-11.58	0.77	1.17	14.19	1.31	1.98	13.52	-2.86
1	8	358	3.59	-13.80	-11.85	1.65	5.48	13.64	1.77	2.50	12.92	-2.85
1	8	359	5.52	-14.37	-12.48	3.63	5.83	13.28	2.56	3.22	12.62	-2.57
1	8	360	6.84	-14.37	-13.03	5.50	5.17	12.90	3.29	3.76	12.43	-2.09
1	8	361	15.95	-0.56	15.83	-0.44	1.39	-1.54	-17.08	-2.45	-16.17	-3.64
1	8	362	28.34	1.12	28.24	1.22	1.68	-2.92	-14.79	-5.96	-11.76	-5.18
1	8	363	28.16	-0.32	27.43	0.40	4.48	-6.34	-12.39	-6.36	-12.36	-0.40
1	8	364	5.85	-10.55	-8.93	4.23	4.89	10.58	2.22	2.96	9.84	-2.37

1	8	365	3.22	-8.49	-8.46	3.19	0.53	10.23	2.15	2.55	9.83	-1.76
1	8	366	2.02	-7.83	-7.80	1.98	0.56	10.08	1.49	1.91	9.66	-1.85
1	8	367	1.09	-7.36	-7.29	1.02	0.79	9.79	0.94	1.45	9.29	-2.04
1	8	368	0.86	-7.21	-7.09	0.74	1.01	9.44	0.69	1.34	8.80	-2.29
1	8	369	3.64	-9.64	-7.23	1.22	5.12	9.10	0.81	1.57	8.34	-2.39
1	8	370	4.51	-9.90	-7.57	2.18	5.31	8.74	1.19	1.94	8.00	-2.25
1	8	371	4.93	-9.76	-7.84	3.01	4.95	8.34	1.65	2.24	7.75	-1.90
1	8	372	17.78	-3.41	16.02	-1.64	5.85	-2.54	-16.65	-3.33	-15.86	-3.25
1	8	373	30.56	-5.98	28.47	-3.90	8.47	-6.34	-16.47	-7.18	-15.63	2.79
1	8	374	22.84	-14.22	21.73	-13.11	6.31	-6.13	-24.07	-6.33	-23.88	1.86
1	8	375	4.70	-6.38	-3.11	1.43	5.05	4.90	-0.42	1.02	3.46	-2.37
1	8	376	1.18	-3.05	-2.96	1.09	0.63	4.36	-4.53e-03	0.90	3.45	-1.77
1	8	377	0.82	-2.85	-2.74	0.71	0.64	4.29	-0.19	0.70	3.41	-1.78
1	8	378	0.59	-2.76	-2.57	0.40	0.78	4.24	-0.39	0.54	3.32	-1.85
1	8	379	0.58	-2.78	-2.50	0.30	0.93	4.26	-0.60	0.49	3.17	-2.03
1	8	380	4.13	-6.22	-2.54	0.45	4.95	4.24	-0.67	0.56	3.01	-2.13
1	8	381	4.41	-6.32	-2.65	0.75	5.09	4.09	-0.54	0.68	2.87	-2.04
1	8	382	4.34	-6.09	-2.74	1.00	4.87	3.81	-0.26	0.78	2.77	-1.77
1	8	383	18.72	-6.45	16.91	-4.64	6.51	-3.90	-17.00	-4.51	-16.40	-2.75
1	8	384	18.86	-9.81	17.71	-8.66	5.63	-4.82	-16.88	-5.26	-16.45	-2.25
1	8	385	33.31	-5.66	31.19	-3.54	8.85	-4.65	-17.68	-9.65	-12.68	6.34
1	8	386	6.14	-4.71	2.68	-1.26	5.06	0.66	-4.52	-0.88	-2.98	-2.37
1	8	387	2.66	-1.07	2.55	-0.96	0.63	0.21	-3.95	-0.78	-2.97	-1.77
1	8	388	2.48	-0.76	2.35	-0.63	0.64	0.36	-3.90	-0.60	-2.94	-1.78
1	8	389	2.42	-0.58	2.20	-0.36	0.78	0.54	-3.86	-0.47	-2.85	-1.85
1	8	390	2.45	-0.59	2.13	-0.28	0.92	0.75	-3.90	-0.43	-2.72	-2.02
1	8	391	5.99	-4.23	2.17	-0.41	4.94	0.84	-3.89	-0.47	-2.57	-2.12
1	8	392	6.08	-4.49	2.25	-0.66	5.08	0.73	-3.75	-0.57	-2.44	-2.03
1	8	393	5.84	-4.38	2.31	-0.86	4.86	0.46	-3.47	-0.66	-2.35	-1.77
1	8	394	23.05	-12.52	22.97	-12.44	-1.66	-5.06	-29.89	-5.46	-29.49	-3.10
1	8	395	21.36	0.33	21.24	0.45	1.62	-1.95	-17.43	-3.43	-15.95	-4.55
1	8	396	22.53	-2.67	20.97	-1.11	6.07	-3.71	-17.03	-4.43	-16.30	-3.03
1	8	397	10.19	-5.73	8.50	-4.04	4.91	-2.04	-10.13	-2.81	-9.36	-2.38
1	8	398	8.08	-3.08	8.05	-3.06	0.54	-2.01	-9.77	-2.43	-9.35	-1.76
1	8	399	7.45	-1.95	7.42	-1.91	0.57	-1.38	-9.64	-1.82	-9.20	-1.85
1	8	400	7.00	-1.07	6.93	-0.99	0.78	-0.87	-9.37	-1.38	-8.86	-2.02
1	8	401	6.86	-0.86	6.73	-0.73	0.99	-0.62	-9.06	-1.29	-8.39	-2.27
1	8	402	9.32	-3.67	6.85	-1.19	5.10	-0.72	-8.72	-1.50	-7.94	-2.37
1	8	403	9.54	-4.48	7.16	-2.09	5.27	-1.08	-8.36	-1.84	-7.59	-2.23
1	8	404	9.38	-4.83	7.40	-2.85	4.92	-1.51	-7.96	-2.12	-7.35	-1.89
1	8	405	39.84	2.24	39.82	2.26	-0.77	0.36	-20.33	-9.64	-10.33	-10.34
1	8	406	28.68	-11.72	25.57	-8.60	10.78	7.97	-30.76	-0.83	-21.96	16.23
1	8	407	23.06	-6.92	21.13	-5.00	7.36	-4.93	-18.88	-5.27	-18.53	-2.16
1	8	408	15.27	-8.05	14.34	-7.12	4.57	-4.33	-16.17	-4.82	-15.68	-2.37
1	8	409	14.02	-5.81	13.53	-5.33	-3.06	-3.75	-15.99	-4.01	-15.73	-1.76
1	8	410	13.11	-3.69	12.43	-3.01	-3.31	-2.42	-15.54	-2.77	-15.20	-2.09
1	8	411	11.63	-1.31	11.58	-1.26	0.76	-1.49	-14.69	-1.98	-14.19	-2.51
1	8	412	11.34	-0.92	11.23	-0.81	1.15	-1.26	-13.88	-1.93	-13.22	-2.82
1	8	413	13.43	-3.62	11.48	-1.67	5.43	-1.72	-13.37	-2.46	-12.64	-2.83
1	8	414	13.96	-5.42	12.07	-3.53	5.75	-2.46	-12.93	-3.14	-12.26	-2.57
1	8	415	20.81	-84.55	18.89	-82.63	-14.10	18.37	-153.09	-3.45	-131.27	-57.14
1	8	417	85.67	-20.28	-18.60	83.99	-13.25	155.05	-18.21	3.37	133.48	-57.21
1	8	419	27.50	-22.09	27.43	-22.02	1.85	-14.28	-87.98	-14.31	-87.96	-1.33
1	8	420	20.54	-34.55	-34.48	20.46	2.07	85.34	11.51	11.62	85.24	2.77
1	8	423	41.06	8.17	40.21	9.02	-5.22	18.33	-52.44	-11.17	-22.94	-34.89
1	8	426	34.80	-20.28	34.72	-20.21	2.07	-11.34	-83.00	-11.43	-82.91	2.57
1	8	427	22.38	-27.23	-27.16	22.31	1.91	90.39	14.48	14.49	90.37	-1.06
1	8	428	20.40	-2.44	20.39	-2.42	0.58	-3.23	-19.63	-3.58	-19.28	-2.38
1	8	429	21.78	-6.50	21.59	-6.31	-2.30	-4.85	-20.27	-5.11	-20.00	-2.00
1	8	430	27.15	-10.51	27.13	-10.50	-0.81	-5.46	-26.61	-5.87	-26.20	-2.93
1	8	431	27.20	-2.22	27.12	-2.14	-1.55	-2.44	-22.04	-3.28	-21.20	-3.97
1	8	432	19.60	-0.66	19.46	-0.53	1.67	-2.09	-18.47	-2.54	-18.01	-2.68
1	8	433	26.45	0.28	26.36	0.38	1.54	-2.19	-19.01	-3.09	-18.12	-3.78
1	8	434	19.86	-0.88	19.07	-8.78e-02	3.98	-1.90	-18.22	-2.34	-17.78	-2.63
1	8	435	26.03	0.48	25.78	0.73	2.51	-3.28	-17.49	-3.29	-17.48	-0.29
1	8	436	3.67	-46.58	-45.65	2.73	-6.80	30.89	-19.41	-6.36	17.84	-22.05
1	8	437	11.27	-5.77	7.09	-1.59	-7.33	-0.78	-21.79	-4.73	-17.85	-8.20
1	8	438	16.91	-26.30	-26.26	16.87	1.32	59.44	10.57	10.59	59.42	-0.96
1	8	439	7.72	-35.59	-35.49	7.63	-2.03	26.96	1.09	3.65	24.40	-7.72
1	8	440	1.44	-47.28	-46.87	1.03	-4.42	22.07	-3.25	6.50	12.33	-12.32
1	8	441	1.89	-39.70	-39.35	1.54	-3.81	20.80	-0.81	3.71	16.28	-8.79
1	8	442	-2.90	-48.35	-48.35	-2.91	0.25	17.12	3.68	10.57	10.23	-6.72
1	8	443	-1.22	-36.48	-36.45	-1.25	1.00	16.01	2.14	5.07	13.08	-5.66
1	8	444	-3.25	-47.09	-46.94	-3.40	2.59	11.88	9.75	11.74	9.90	-0.54
1	8	445	-1.41	-35.01	-34.79	-1.64	2.76	12.63	6.27	6.31	12.59	-0.53
1	8	446	-1.00	-44.32	-43.26	-2.06	6.67	16.37	5.98	11.22	11.12	5.20
1	8	447	1.18	-34.98	-33.64	-0.16	6.83	15.48	4.16	5.49	14.15	3.64

1	8	448	8.44	-37.86	-35.06	5.65	11.03	23.42	-0.79	7.90	14.74	11.61
1	8	449	7.96	-38.11	-35.49	5.34	10.67	21.58	1.39	4.15	18.82	6.93
1	8	450	14.23	-31.04	-27.02	10.21	12.88	36.85	-14.43	-1.91	24.34	22.03
1	8	451	17.09	-29.24	-28.02	15.87	7.41	31.32	3.06	4.44	29.94	6.09
1	8	452	34.37	1.29	34.14	1.52	2.75	-5.96	-12.88	-6.00	-12.84	-0.53
1	8	453	35.80	1.14	35.77	1.17	1.03	-2.06	-16.09	-4.81	-13.35	-5.57
1	8	454	48.26	2.92	48.26	2.92	0.26	-3.87	-17.29	-10.63	-10.53	-6.71
1	8	455	47.00	3.23	46.84	3.39	2.63	-10.02	-11.96	-11.80	-10.18	-0.54
1	8	456	22.34	-9.34	22.33	-9.33	0.52	-5.82	-19.85	-6.24	-19.43	-2.39
1	8	457	28.86	-10.85	28.85	-10.84	-0.74	-8.43	-26.50	-8.70	-26.23	-2.18
1	8	458	21.54	-4.23	19.22	-1.91	7.37	-2.45	-19.36	-2.84	-18.97	-2.54
1	8	459	27.45	-3.42	25.46	-1.44	7.58	-3.11	-19.53	-3.32	-19.32	1.87
1	8	460	22.31	-7.97	19.92	-5.58	8.16	-3.93	-21.64	-4.36	-21.21	-2.72
1	8	461	27.76	-8.74	25.43	-6.41	8.92	-3.84	-23.86	-3.90	-23.81	1.04
1	8	462	11.04	-29.36	-29.35	11.03	-0.70	27.77	8.63	8.86	27.53	-2.12
1	8	463	10.79	-27.59	-27.59	10.79	8.86e-02	26.89	5.38	5.84	26.43	-3.11
1	8	464	2.20	-27.73	-27.65	2.12	-1.59	22.04	2.34	3.27	21.11	-4.19
1	8	465	-0.32	-26.94	-26.85	-0.41	1.51	18.92	2.22	3.17	17.96	-3.88
1	8	466	-0.56	-26.49	-26.24	-0.81	2.54	17.32	3.41	3.42	17.31	-0.31
1	8	467	3.35	-27.82	-25.85	1.38	7.59	19.39	3.18	3.40	19.16	1.90
1	8	468	8.77	-28.13	-25.79	6.43	8.99	23.95	3.66	3.86	23.75	2.02
1	8	469	18.19	-26.09	-25.24	17.35	6.07	31.16	7.65	7.67	31.14	-0.64
1	8	470	22.03	-11.72	20.38	-10.07	7.27	-5.87	-23.44	-6.48	-22.83	-3.22
1	8	471	25.80	-17.64	24.93	-16.77	6.08	-7.68	-30.79	-7.70	-30.77	-0.77
1	8	472	9.59	-22.83	-22.83	9.59	0.50	20.28	5.99	6.40	19.88	-2.37
1	8	473	6.64	-22.25	-22.06	6.46	-2.29	20.70	4.93	5.19	20.43	-2.02
1	8	474	2.52	-20.90	-20.84	2.46	-1.18	19.90	3.24	3.60	19.54	-2.44
1	8	475	0.65	-20.02	-19.89	0.51	1.66	18.62	2.11	2.57	18.15	-2.73
1	8	476	0.84	-20.25	-19.46	5.03e-02	4.00	18.32	1.96	2.39	17.90	-2.61
1	8	477	4.21	-21.92	-19.61	1.91	7.41	19.50	2.50	2.87	19.13	-2.47
1	8	478	8.10	-22.72	-20.33	5.72	8.23	21.92	3.98	4.37	21.53	-2.63
1	8	479	12.01	-22.43	-20.81	10.39	7.30	23.97	6.02	6.60	23.39	-3.17
1	8	480	34.49	-1.35	33.11	3.26e-02	6.89	-4.03	-15.61	-5.20	-14.43	3.50
1	8	481	44.25	0.91	43.15	2.01	6.80	-6.20	-16.52	-11.28	-11.44	5.16
1	8	482	37.70	-7.91	35.12	-5.32	10.55	-1.62	-21.56	-4.04	-19.14	6.51
1	8	483	37.99	-8.37	35.07	-5.46	11.26	0.54	-23.55	-7.92	-15.09	11.50
1	8	484	5.99	-16.28	-16.25	5.95	0.83	15.44	3.92	4.58	14.78	-2.67
1	8	485	4.30	-15.73	-15.72	4.28	0.57	15.29	3.38	3.80	14.88	-2.18
1	8	486	2.15	-14.86	-14.81	2.10	0.96	15.29	2.48	2.86	14.91	-2.18
1	8	487	0.89	-14.23	-14.05	0.72	1.61	15.26	1.69	2.14	14.81	-2.45
1	8	488	2.49	-15.67	-13.76	0.58	5.58	15.45	1.38	1.95	14.88	-2.76
1	8	489	4.48	-16.64	-14.01	1.85	6.97	16.10	1.78	2.46	15.42	-3.04
1	8	490	6.90	-17.19	-14.55	4.26	7.53	16.83	2.77	3.54	16.06	-3.20
1	8	491	8.54	-17.01	-14.98	6.51	6.91	17.13	3.87	4.69	16.32	-3.19
1	8	492	26.05	-16.76	26.02	-16.72	1.24	-10.64	-57.32	-10.66	-57.30	-1.03
1	8	493	34.86	-7.62	34.77	-7.53	-1.93	-1.78	-26.87	-3.98	-24.68	-7.09
1	8	494	39.01	-1.83	38.67	-1.49	-3.70	0.59	-20.77	-3.60	-16.59	-8.48
1	8	495	3.29	-9.80	-9.73	3.22	0.96	10.21	1.67	2.73	9.15	-2.81
1	8	496	2.50	-9.51	-9.44	2.43	0.88	10.02	1.60	2.33	9.29	-2.37
1	8	497	1.53	-9.06	-8.93	1.39	1.18	10.04	1.18	1.82	9.40	-2.30
1	8	498	0.99	-8.74	-8.50	0.74	1.53	10.25	0.73	1.44	9.53	-2.50
1	8	499	3.24	-10.96	-8.33	0.61	5.51	10.56	0.48	1.36	9.68	-2.84
1	8	500	4.63	-11.78	-8.48	1.32	6.58	10.90	0.60	1.67	9.84	-3.14
1	8	501	5.90	-12.14	-8.79	2.55	7.01	11.07	1.10	2.24	9.92	-3.18
1	8	502	6.52	-11.91	-9.06	3.67	6.67	11.05	1.66	2.81	9.91	-3.07
1	8	503	1.27	-3.59	-3.37	1.05	1.01	5.19	-1.00	0.95	3.24	-2.88
1	8	504	1.05	-3.52	-3.28	0.82	1.02	4.83	-0.72	0.82	3.30	-2.48
1	8	505	0.88	-3.50	-3.11	0.49	1.24	4.76	-0.76	0.65	3.35	-2.41
1	8	506	0.84	-3.55	-2.97	0.26	1.48	4.93	-0.99	0.52	3.42	-2.58
1	8	507	4.36	-7.02	-2.92	0.25	5.47	5.23	-1.24	0.51	3.48	-2.88
1	8	508	5.37	-7.84	-2.96	0.50	6.38	5.49	-1.37	0.61	3.51	-3.11
1	8	509	5.96	-8.14	-3.07	0.88	6.77	5.54	-1.23	0.80	3.50	-3.10
1	8	510	5.95	-7.87	-3.16	1.24	6.55	5.48	-1.02	0.97	3.48	-3.00
1	8	511	3.17	-1.17	2.92	-0.92	1.01	1.24	-4.86	-0.82	-2.80	-2.88
1	8	512	3.11	-0.99	2.84	-0.71	1.02	0.93	-4.49	-0.71	-2.85	-2.49
1	8	513	3.13	-0.86	2.69	-0.42	1.25	0.95	-4.41	-0.57	-2.90	-2.41
1	8	514	3.21	-0.85	2.56	-0.21	1.48	1.17	-4.58	-0.46	-2.96	-2.59
1	8	515	6.79	-4.48	2.51	-0.20	5.47	1.43	-4.87	-0.44	-3.00	-2.88
1	8	516	7.61	-5.47	2.55	-0.41	6.37	1.57	-5.13	-0.53	-3.03	-3.11
1	8	517	7.92	-6.03	2.64	-0.75	6.76	1.45	-5.17	-0.69	-3.02	-3.10
1	8	518	7.64	-5.99	2.72	-1.07	6.55	1.26	-5.10	-0.84	-3.00	-2.99
1	8	519	29.13	-17.09	27.96	-15.92	7.27	-3.67	-31.23	-4.76	-30.14	5.37
1	8	520	9.35	-3.14	9.27	-3.07	0.97	-1.50	-9.83	-2.60	-8.73	-2.82
1	8	521	9.07	-2.39	9.00	-2.32	0.89	-1.45	-9.62	-2.22	-8.86	-2.38
1	8	522	8.64	-1.47	8.50	-1.33	1.18	-1.06	-9.65	-1.74	-8.98	-2.31
1	8	523	8.35	-0.89	8.09	-0.63	1.53	-0.64	-9.85	-1.38	-9.11	-2.51
1	8	524	10.65	-3.23	7.93	-0.52	5.50	-0.39	-10.17	-1.31	-9.25	-2.85

1	8	525	11.46	-4.63	8.07	-1.25	6.56	-0.49	-10.50	-1.60	-9.39	-3.14
1	8	526	11.80	-5.85	8.37	-2.41	6.99	-0.95	-10.64	-2.14	-9.45	-3.18
1	8	527	11.57	-6.43	8.62	-3.49	6.66	-1.49	-10.62	-2.67	-9.43	-3.07
1	8	528	30.95	-15.04	27.00	-11.09	12.89	14.06	-37.06	1.83	-24.82	21.81
1	8	529	15.81	-5.79	15.78	-5.76	0.84	-3.76	-15.06	-4.44	-14.38	-2.68
1	8	530	15.28	-4.17	15.26	-4.15	0.59	-3.26	-14.90	-3.69	-14.47	-2.20
1	8	531	14.44	-2.10	14.38	-2.04	0.98	-2.40	-14.92	-2.79	-14.53	-2.18
1	8	532	13.83	-0.89	13.65	-0.71	1.61	-1.64	-14.94	-2.10	-14.48	-2.44
1	8	533	15.32	-2.53	13.37	-0.58	5.57	-1.33	-15.14	-1.91	-14.56	-2.77
1	8	534	16.27	-4.46	13.61	-1.80	6.93	-1.71	-15.77	-2.42	-15.06	-3.07
1	8	535	16.80	-6.79	14.12	-4.11	7.48	-2.66	-16.42	-3.46	-15.62	-3.22
1	8	536	16.61	-8.36	14.54	-6.29	6.89	-3.71	-16.66	-4.55	-15.82	-3.18
1	8	537	12.46	-6.74	9.81	-4.09	-6.62	-1.86	-20.53	-5.36	-17.03	-7.29
1	8	538	46.55	-3.43	45.59	-2.47	-6.85	19.06	-31.14	6.23	-18.31	-21.90
1	8	539	47.28	-1.45	46.86	-1.03	-4.49	3.01	-22.23	-6.55	-12.66	-12.24
1	8	540	19.67	-3.40	18.14	-1.87	-5.73	-3.18	-22.72	-5.11	-20.79	-5.84
1	8	541	19.71	-7.52	18.01	-5.83	-6.57	-4.67	-24.02	-6.54	-22.14	-5.72
1	8	542	23.95	-10.83	23.22	-10.11	-4.96	-5.30	-30.86	-7.54	-28.62	-7.23
1	8	543	25.72	-2.79	24.63	-1.70	-5.47	-1.80	-26.00	-4.97	-22.82	-8.17
1	8	544	19.11	-0.64	18.28	0.19	-3.96	-2.23	-20.86	-4.30	-18.79	-5.86
1	8	545	25.86	0.60	25.22	1.24	-3.97	-1.70	-22.39	-5.14	-18.95	-7.70
1	8	546	18.84	0.67	18.83	0.67	-0.34	-2.53	-19.65	-4.43	-17.76	-5.38
1	8	547	25.87	1.48	25.87	1.49	0.34	-3.49	-19.95	-5.88	-17.56	-5.80
1	8	548	8.29	-31.67	-31.08	7.70	-4.82	32.38	-0.77	5.25	26.36	-12.78
1	8	549	2.44	-37.87	-36.86	1.44	-6.29	26.41	-3.74	5.23	17.44	-13.78
1	8	550	-1.66	-35.86	-35.64	-1.87	-2.70	21.29	-0.17	7.40	13.72	-10.25
1	8	551	-2.21	-35.53	-35.51	-2.23	0.76	17.23	4.79	9.27	12.75	-5.97
1	8	552	-0.44	-35.94	-35.70	-0.68	2.89	13.90	9.08	9.16	13.82	-0.63
1	8	553	5.59	-40.14	-38.66	4.11	8.09	18.77	8.26	9.19	17.84	2.99
1	8	554	14.27	-32.99	-32.42	13.70	5.15	28.21	7.59	7.99	27.80	2.86
1	8	555	34.81	2.09	34.79	2.11	0.75	-4.67	-17.27	-8.93	-13.01	-5.96
1	8	556	35.12	1.56	34.90	1.78	-2.71	0.14	-21.25	-7.11	-14.00	-10.12
1	8	557	19.91	-1.09	19.80	-0.98	1.52	-3.57	-19.50	-5.09	-17.98	-4.68
1	8	558	26.82	-0.72	26.62	-0.52	2.32	-5.41	-19.62	-6.50	-18.52	-3.79
1	8	559	21.40	-4.70	21.13	-4.43	2.67	-4.98	-20.21	-6.14	-19.06	-4.03
1	8	560	28.35	-5.93	27.53	-5.11	5.24	-6.62	-22.07	-7.11	-21.59	-2.70
1	8	561	11.10	-24.36	-23.66	10.41	-4.92	31.20	5.15	7.51	28.84	-7.47
1	8	562	2.74	-26.22	-25.16	1.67	-5.46	26.09	1.58	4.96	22.71	-8.45
1	8	563	-0.66	-26.37	-25.74	-1.29	-3.99	22.39	1.63	5.24	18.78	-7.87
1	8	564	-1.56	-26.38	-26.37	-1.57	0.37	19.85	3.59	6.04	17.39	-5.82
1	8	565	0.67	-27.27	-27.07	0.47	2.38	19.45	5.58	6.64	18.38	-3.69
1	8	566	5.96	-28.82	-27.97	5.11	5.35	21.97	6.77	7.20	21.55	-2.52
1	8	567	15.75	-28.21	-28.16	15.69	1.56	26.90	8.92	9.00	26.82	-1.21
1	8	568	22.50	-8.96	22.13	-8.58	3.40	-5.90	-20.34	-6.72	-19.52	-3.36
1	8	569	27.78	-15.23	27.73	-15.17	1.51	-8.68	-26.72	-8.93	-26.47	-2.12
1	8	570	7.63	-20.10	-18.45	5.98	-6.55	24.47	4.77	6.64	22.60	-5.78
1	8	571	3.40	-20.07	-18.57	1.90	-5.74	23.03	3.17	5.15	21.05	-5.95
1	8	572	0.62	-19.51	-18.70	-0.19	-3.96	21.06	2.23	4.36	18.93	-5.96
1	8	573	-0.72	-19.25	-19.25	-0.73	-0.30	19.78	2.60	4.52	17.86	-5.41
1	8	574	1.08	-20.35	-20.23	0.96	1.58	19.62	3.69	5.19	18.13	-4.65
1	8	575	5.12	-22.17	-21.58	4.53	3.94	20.44	5.13	6.24	19.33	-3.97
1	8	576	9.24	-22.98	-22.61	8.87	3.46	20.74	6.09	6.88	19.95	-3.31
1	8	577	35.34	0.33	35.10	0.57	2.88	-8.78	-14.16	-8.86	-14.08	-0.64
1	8	578	39.66	-5.54	38.22	-4.10	7.94	-8.25	-18.86	-9.00	-18.11	2.72
1	8	579	6.25	-15.32	-12.80	3.73	-6.93	18.73	2.70	4.87	16.56	-5.49
1	8	580	3.64	-15.01	-12.94	1.57	-5.86	18.00	2.15	4.07	16.09	-5.16
1	8	581	1.21	-14.20	-13.01	2.10e-02	-4.11	17.28	1.62	3.51	15.39	-5.09
1	8	582	0.51	-14.07	-13.42	-0.14	-2.99	16.67	1.58	3.45	14.80	-4.97
1	8	583	1.09	-14.30	-14.26	1.06	0.75	16.35	2.14	3.89	14.60	-4.67
1	8	584	3.36	-15.37	-15.28	3.28	1.24	16.07	2.98	4.47	14.58	-4.15
1	8	585	5.43	-16.14	-16.10	5.39	0.97	15.66	3.72	4.79	14.59	-3.41
1	8	586	30.92	-8.41	30.33	-7.82	-4.77	-0.15	-32.19	-5.64	-26.69	-12.08
1	8	587	37.14	-2.39	36.14	-1.38	-6.22	3.38	-26.30	-5.12	-17.79	-13.42
1	8	588	5.89	-11.40	-7.52	2.01	-7.21	13.14	0.21	2.98	10.37	-5.31
1	8	589	4.01	-10.67	-7.69	1.03	-5.91	12.56	0.15	2.57	10.14	-4.92
1	8	590	2.05	-9.64	-7.78	0.19	-4.27	12.17	-3.95e-03	2.28	9.89	-4.75
1	8	591	1.07	-9.02	-8.05	0.11	-2.97	11.86	-1.29e-02	2.23	9.61	-4.65
1	8	592	0.94	-8.71	-8.56	0.79	-1.19	11.53	0.26	2.42	9.37	-4.43
1	8	593	1.99	-9.23	-9.17	1.92	0.85	11.11	0.78	2.70	9.19	-4.01
1	8	594	3.00	-9.71	-9.64	2.93	0.93	10.64	1.35	2.86	9.13	-3.42
1	8	595	6.60	-8.54	-2.58	0.65	-7.39	7.75	-3.03	1.04	3.68	-5.23
1	8	596	4.98	-7.30	-2.66	0.34	-5.96	7.29	-2.75	0.92	3.61	-4.83
1	8	597	3.29	-5.89	-2.70	0.10	-4.37	7.00	-2.64	0.82	3.54	-4.63
1	8	598	2.00	-4.72	-2.80	8.09e-02	-3.03	6.80	-2.55	0.80	3.45	-4.48
1	8	599	1.69	-4.37	-2.98	0.30	-2.55	6.55	-2.34	0.86	3.36	-4.27
1	8	600	0.74	-3.26	-3.18	0.65	0.57	6.18	-1.96	0.94	3.28	-3.90
1	8	601	1.12	-3.50	-3.34	0.96	0.84	5.69	-1.46	0.99	3.24	-3.40

1	8	602	8.36	-6.70	2.23	-0.57	-7.40	3.30	-7.39	-0.91	-3.19	-5.22
1	8	603	7.10	-5.10	2.29	-0.30	-5.96	3.00	-6.94	-0.80	-3.13	-4.83
1	8	604	5.66	-3.42	2.33	-8.68e-02	-4.38	2.87	-6.66	-0.72	-3.07	-4.62
1	8	605	4.46	-2.10	2.42	-6.18e-02	-3.04	2.78	-6.47	-0.70	-2.99	-4.48
1	8	606	4.08	-1.76	2.57	-0.25	-2.55	2.57	-6.22	-0.74	-2.91	-4.26
1	8	607	2.84	-0.66	2.75	-0.57	0.56	2.20	-5.85	-0.81	-2.84	-3.89
1	8	608	3.07	-1.02	2.89	-0.84	0.84	1.70	-5.36	-0.85	-2.80	-3.40
1	8	609	32.81	-14.37	32.27	-13.83	5.02	-7.88	-28.10	-8.10	-27.88	2.10
1	8	610	11.15	-5.92	7.15	-1.92	-7.23	-5.08e-03	-12.74	-2.85	-9.90	-5.30
1	8	611	10.39	-4.07	7.31	-0.99	-5.91	2.15e-02	-12.17	-2.46	-9.68	-4.91
1	8	612	9.33	-2.11	7.40	-0.19	-4.28	0.15	-11.79	-2.18	-9.45	-4.74
1	8	613	8.67	-1.11	7.67	-0.10	-2.97	0.16	-11.49	-2.14	-9.20	-4.63
1	8	614	8.31	-0.91	8.15	-0.75	-1.21	-0.11	-11.16	-2.31	-8.95	-4.42
1	8	615	8.79	-1.89	8.73	-1.83	0.83	-0.61	-10.74	-2.57	-8.78	-4.00
1	8	616	9.25	-2.86	9.18	-2.79	0.93	-1.17	-10.27	-2.72	-8.71	-3.42
1	8	617	14.99	-6.21	12.39	-3.61	-6.95	-2.54	-18.31	-4.74	-16.11	-5.47
1	8	618	14.67	-3.66	12.55	-1.54	-5.86	-2.05	-17.61	-3.97	-15.68	-5.13
1	8	619	13.85	-1.26	12.63	-3.46e-02	-4.13	-1.54	-16.94	-3.43	-15.05	-5.05
1	8	620	13.69	-0.54	13.03	0.11	-2.99	-1.49	-16.37	-3.37	-14.49	-4.95
1	8	621	13.88	-1.07	13.84	-1.04	0.70	-2.02	-16.05	-3.79	-14.28	-4.66
1	8	622	14.92	-3.25	14.84	-3.17	1.22	-2.83	-15.72	-4.34	-14.21	-4.15
1	8	623	15.67	-5.25	15.62	-5.20	0.97	-3.55	-15.29	-4.64	-14.20	-3.42
1	8	624	13.65	-22.07	-3.89	-4.53	-17.85	0.85	-37.97	-2.29	-34.82	-10.59
1	8	625	9.27	-31.94	-3.23	-19.44	-18.94	-1.22	-42.75	-2.89	-41.08	-8.16
1	8	626	5.97	-31.57	-6.03	-19.57	-17.51	1.63	-56.00	-2.71	-51.66	-15.21
1	8	627	11.50	-16.55	-2.95	-2.10	-14.01	6.39	-44.74	-0.73	-37.63	-17.70
1	8	628	14.01	-13.09	-1.36	2.28	-13.43	1.71	-33.22	-2.50	-29.01	-11.37
1	8	629	12.13	-5.13	2.61	4.40	-8.58	4.50	-37.21	-3.55	-29.16	-16.46
1	8	630	12.09	-5.92	2.72	3.45	-9.00	0.91	-29.90	-3.71	-25.28	-11.00
1	8	631	11.67	1.04	8.19	4.52	-4.99	1.30	-31.93	-5.72	-24.91	-13.56
1	8	632	22.23	-5.97	0.84	15.42	-12.07	59.57	-16.24	-0.52	43.85	-30.74
1	8	633	2.03	-13.61	-8.51	-3.07	-7.33	47.34	-15.94	2.75	28.64	-28.87
1	8	634	-4.33	-16.47	-15.66	-5.15	-3.04	37.50	-8.83	7.44	21.22	-22.12
1	8	635	-4.39	-20.11	-20.11	-4.39	-0.11	30.36	-1.67	10.62	18.08	-15.57
1	8	636	-2.02	-23.00	-22.80	-2.22	2.04	24.66	4.56	11.38	17.83	-9.52
1	8	637	4.47	-28.72	-27.61	3.37	5.96	22.85	10.35	12.06	21.15	-4.29
1	8	638	14.41	-24.61	-24.38	14.19	2.96	31.32	10.34	10.74	30.91	-2.89
1	8	639	19.10	4.32	19.09	4.33	-0.27	1.73	-30.32	-10.15	-18.44	-15.48
1	8	640	15.36	4.00	14.38	4.98	-3.19	8.72	-37.35	-6.98	-21.65	-21.83
1	8	641	10.59	-1.99	7.17	1.43	-5.60	-0.85	-28.06	-5.29	-23.63	-10.05
1	8	642	13.21	1.52	12.98	1.75	-1.63	-2.31	-29.13	-7.42	-24.03	-10.53
1	8	643	12.40	-3.69	11.47	-2.76	-3.76	-3.01	-27.39	-6.99	-23.41	-9.01
1	8	644	17.07	-3.78	17.06	-3.77	0.44	-5.17	-29.41	-8.69	-25.89	-8.54
1	8	645	31.32	-6.01	5.89	19.41	-17.40	56.61	-2.13	2.60	51.89	-15.98
1	8	646	15.67	-11.75	2.60	1.32	-13.70	45.02	-6.90	0.70	37.41	-18.36
1	8	647	4.43	-12.14	-3.14	-4.57	-8.25	37.34	-4.74	3.70	28.90	-16.85
1	8	648	-2.20	-11.13	-8.76	-4.57	-3.95	31.92	-1.30	5.96	24.66	-13.73
1	8	649	-1.57	-13.65	-13.46	-1.76	-1.52	29.00	2.46	7.62	23.84	-10.51
1	8	650	3.86	-17.51	-17.49	3.84	0.68	29.26	5.41	8.84	25.82	-8.38
1	8	651	15.18	-20.28	-20.18	15.08	-1.89	32.74	8.75	11.02	30.47	-7.02
1	8	652	15.54	-8.17	14.89	-7.52	-3.88	-4.55	-26.33	-7.94	-22.94	-7.91
1	8	653	19.91	-14.61	19.79	-14.49	-2.03	-8.50	-32.51	-10.90	-30.11	-7.19
1	8	654	32.09	-9.24	3.28	19.57	-18.99	43.69	1.13	2.91	41.92	-8.50
1	8	655	21.80	-13.60	3.87	4.32	-17.70	38.56	-1.06	2.26	35.25	-10.97
1	8	656	12.62	-13.90	1.20	-2.48	-13.13	33.61	-1.85	2.54	29.22	-11.67
1	8	657	5.41	-11.94	-2.97	-3.56	-8.67	30.16	-0.92	3.81	25.43	-11.17
1	8	658	1.61	-10.56	-7.49	-1.45	-5.29	28.28	0.94	5.42	23.81	-10.12
1	8	659	3.68	-12.63	-11.85	2.90	-3.48	27.67	3.17	7.13	23.71	-9.02
1	8	660	8.41	-15.88	-15.31	7.84	-3.67	26.76	4.78	8.14	23.40	-7.90
1	8	661	22.28	1.97	22.09	2.16	1.94	-4.33	-24.82	-10.98	-18.17	-9.59
1	8	662	28.21	-4.34	27.18	-3.31	5.70	-9.93	-23.29	-11.77	-21.46	-4.60
1	8	663	28.48	-10.48	1.98	16.02	-18.17	30.73	1.08	2.19	29.62	-5.63
1	8	664	23.28	-15.05	2.87	5.36	-19.13	28.86	0.17	2.17	26.85	-7.32
1	8	665	17.07	-15.72	1.84	-0.49	-16.35	26.66	-0.71	2.15	23.80	-8.37
1	8	666	11.16	-14.02	-0.70	-2.16	-12.57	24.77	-0.87	2.72	21.18	-8.90
1	8	667	6.83	-11.87	-4.03	-1.01	-9.23	23.41	-0.17	3.79	19.45	-8.82
1	8	668	5.57	-11.28	-7.39	1.68	-7.10	22.23	0.94	4.88	18.29	-8.26
1	8	669	6.75	-12.64	-10.17	4.28	-6.46	20.97	2.05	5.53	17.49	-7.33
1	8	670	4.70	-23.16	-2.06	-16.41	-11.94	14.18	-59.30	-0.55	-44.56	-29.42
1	8	671	12.69	-3.11	7.12	2.46	-7.55	15.40	-47.06	-2.46	-29.20	-28.23
1	8	672	23.45	-12.10	1.15	10.20	-17.18	18.90	0.33	1.33	17.90	-4.19
1	8	673	22.40	-16.52	1.72	4.16	-19.42	18.52	-0.37	1.50	16.65	-5.64
1	8	674	18.92	-17.19	1.30	0.43	-18.05	17.90	-1.14	1.51	15.24	-6.59
1	8	675	14.64	-15.68	-3.26e-02	-1.01	-15.15	17.28	-1.70	1.76	13.83	-7.33
1	8	676	10.86	-13.40	-1.96	-0.57	-12.11	16.63	-1.75	2.28	12.61	-7.60
1	8	677	8.47	-11.70	-4.01	0.78	-9.80	15.87	-1.33	2.85	11.69	-7.38
1	8	678	7.51	-11.17	-5.75	2.09	-8.48	14.99	-0.69	3.24	11.06	-6.79

1	8	679	18.77	-14.75	0.40	3.62	-16.68	7.95	-1.23	0.46	6.26	-3.56
1	8	680	20.54	-18.35	0.60	1.59	-19.44	8.81	-2.42	0.53	5.87	-4.94
1	8	681	19.14	-18.41	0.47	0.26	-18.78	9.30	-3.32	0.54	5.44	-5.82
1	8	682	16.28	-16.53	4.01e-02	-0.29	-16.41	9.70	-4.10	0.62	4.97	-6.55
1	8	683	13.20	-14.00	-0.61	-0.19	-13.60	9.83	-4.50	0.79	4.54	-6.92
1	8	684	10.68	-11.77	-1.32	0.23	-11.20	9.64	-4.46	0.98	4.19	-6.87
1	8	685	8.98	-10.27	-1.93	0.64	-9.54	9.15	-4.09	1.11	3.95	-6.46
1	8	686	14.98	-18.46	-0.32	-3.15	-16.66	1.43	-7.25	-0.40	-5.42	-3.54
1	8	687	18.49	-20.41	-0.51	-1.41	-19.44	2.66	-8.21	-0.46	-5.08	-4.92
1	8	688	18.48	-19.13	-0.41	-0.25	-18.80	3.57	-8.76	-0.48	-4.71	-5.79
1	8	689	16.55	-16.36	-4.23e-02	0.24	-16.45	4.36	-9.22	-0.55	-4.31	-6.52
1	8	690	13.99	-13.31	0.52	0.16	-13.65	4.77	-9.39	-0.68	-3.94	-6.89
1	8	691	11.73	-10.81	1.13	-0.20	-11.25	4.75	-9.23	-0.85	-3.63	-6.85
1	8	692	10.19	-9.09	1.66	-0.56	-9.58	4.38	-8.76	-0.96	-3.42	-6.45
1	8	693	24.53	-14.36	24.33	-14.17	2.74	-10.17	-31.60	-10.77	-31.00	-3.54
1	8	694	12.24	-23.10	-1.08	-9.77	-17.13	-0.27	-18.07	-1.28	-17.06	-4.12
1	8	695	16.64	-22.31	-1.64	-4.04	-19.43	0.45	-17.78	-1.44	-15.89	-5.56
1	8	696	17.30	-19.00	-1.25	-0.45	-18.14	1.22	-17.25	-1.46	-14.57	-6.51
1	8	697	15.77	-14.83	4.20e-03	0.93	-15.29	1.80	-16.72	-1.69	-13.23	-7.24
1	8	698	13.47	-11.10	1.83	0.55	-12.27	1.89	-16.13	-2.17	-12.06	-7.53
1	8	699	11.72	-8.67	3.78	-0.72	-9.94	1.52	-15.41	-2.72	-11.17	-7.33
1	8	700	11.08	-7.62	5.44	-1.98	-8.58	0.90	-14.55	-3.09	-10.57	-6.76
1	8	701	10.56	-28.16	-1.91	-15.69	-18.09	-1.05	-29.84	-2.14	-28.76	-5.49
1	8	702	15.14	-23.30	-2.80	-5.37	-19.18	-0.19	-28.13	-2.15	-26.17	-7.14
1	8	703	15.83	-17.30	-1.83	0.37	-16.53	0.68	-26.08	-2.12	-23.27	-8.20
1	8	704	14.16	-11.51	0.60	2.05	-12.82	0.90	-24.29	-2.65	-20.74	-8.76
1	8	705	12.00	-7.19	3.82	0.99	-9.49	0.26	-22.98	-3.68	-19.03	-8.73
1	8	706	3.75	-44.23	-42.58	2.10	-8.76	37.16	-24.33	-6.18	19.01	-28.04
1	8	707	17.99	-20.63	-20.61	17.97	-0.99	64.06	12.53	13.03	63.57	-5.02
1	8	708	1.76	-46.19	-45.52	1.09	-5.62	28.60	-7.08	8.35	13.17	-17.68
1	8	709	-3.51	-48.54	-48.47	-3.59	-1.83	23.70	0.45	13.37	10.78	-11.56
1	8	710	-3.95	-48.46	-48.45	-3.96	0.79	18.99	6.11	14.99	10.12	-5.96
1	8	711	-2.26	-46.49	-46.15	-2.60	3.86	15.97	9.87	14.86	10.98	2.35
1	8	712	6.09	-41.14	-39.46	4.42	8.74	20.51	6.01	12.17	14.36	7.17
1	8	713	10.31	-35.94	-32.92	7.29	11.42	35.53	-7.94	2.59	25.01	18.62
1	8	714	48.46	3.54	48.38	3.62	-1.86	-0.67	-23.86	-13.43	-11.10	-11.54
1	8	715	48.37	3.95	48.35	3.96	0.82	-6.33	-19.13	-15.05	-10.41	-5.97
1	8	716	18.16	-9.76	17.10	-8.70	-5.34	-5.14	-24.66	-7.62	-22.19	-6.50
1	8	717	23.40	-11.34	23.00	-10.94	-3.69	-8.39	-31.50	-10.62	-29.27	-6.82
1	8	718	11.55	-23.82	-23.46	11.19	-3.54	32.72	8.71	10.81	30.62	-6.79
1	8	719	9.98	-18.54	-17.54	8.98	-5.25	25.12	5.35	7.80	22.67	-6.52
1	8	720	46.38	2.22	46.03	2.57	3.90	-10.13	-16.07	-14.91	-11.29	2.35
1	8	721	41.20	-5.99	39.44	-4.23	8.95	-6.26	-20.65	-12.22	-14.68	7.09
1	8	722	7.45	-14.22	-11.97	5.20	-6.61	19.85	2.74	5.53	17.07	-6.31
1	8	723	20.47	-17.79	20.43	-17.76	-1.13	-12.54	-61.92	-13.09	-61.37	-5.18
1	8	724	6.90	-11.20	-6.92	2.62	-7.69	14.04	-0.11	3.28	10.66	-6.04
1	8	725	7.67	-9.20	-2.35	0.82	-8.29	8.47	-3.55	1.13	3.79	-5.86
1	8	726	9.07	-7.76	2.03	-0.72	-8.31	3.84	-8.10	-0.98	-3.28	-5.86
1	8	727	11.02	-6.93	6.57	-2.49	-7.75	0.33	-13.62	-3.12	-10.17	-6.02
1	8	728	35.79	-11.21	32.83	-8.26	11.41	7.74	-35.72	-2.64	-25.35	18.52
1	8	729	13.94	-7.37	11.58	-5.00	-6.69	-2.55	-19.44	-5.37	-16.63	-6.30
1	8	730	44.21	-3.87	42.52	-2.18	-8.85	23.90	-37.42	6.03	-19.55	-27.87
1	8	731	46.20	-1.85	45.50	-1.15	-5.76	6.80	-28.75	-8.41	-13.54	-17.59
1	8	732	12.77	-41.58	-35.54	6.74	-17.08	69.04	-43.88	-6.45	31.62	-53.16
1	8	733	41.40	-14.19	35.24	-8.03	-17.45	43.14	-69.57	6.25	-32.68	-52.89
1	8	734	84.38	15.18	16.34	83.22	-8.87	113.27	3.83	9.06	108.04	-23.36
1	8	735	-8.66	-41.08	-40.37	-9.37	-4.74	52.16	-18.74	11.09	22.34	-35.00
1	8	736	-7.79	-39.47	-39.47	-7.79	0.17	41.46	-8.20	16.53	16.73	-24.83
1	8	737	-5.90	-37.62	-37.57	-5.95	1.27	32.94	-1.16e-03	18.61	14.32	-16.33
1	8	738	-3.48	-35.28	-34.88	-3.88	3.53	25.27	7.75	18.86	14.17	-8.44
1	8	739	5.65	-30.27	-28.48	3.86	7.83	17.12	16.41	16.44	17.10	0.13
1	8	740	12.29	-25.04	-21.93	9.19	10.32	36.10	5.16	13.29	27.97	13.62
1	8	741	39.46	7.93	39.46	7.93	6.31e-03	7.88	-41.74	-16.63	-17.22	-24.81
1	8	742	37.62	6.03	37.57	6.08	1.28	-0.27	-33.17	-18.70	-14.73	-16.33
1	8	743	1.39	-54.00	-5.55	-47.06	-18.34	-2.49	-46.15	-3.46	-45.17	-6.45
1	8	744	-6.66	-71.24	-12.97	-64.94	-19.17	-3.97	-67.37	-6.14	-65.20	-11.53
1	8	745	72.45	7.00	13.17	66.28	-19.13	69.62	4.04	6.35	67.31	-12.10
1	8	746	55.18	-1.17	5.75	48.26	-18.49	47.42	2.56	3.59	46.39	-6.72
1	8	747	35.25	3.50	34.84	3.92	3.59	-8.01	-25.50	-18.94	-14.57	-8.47
1	8	748	30.39	-5.51	28.51	-3.62	8.00	-16.52	-17.48	-16.52	-17.48	5.33e-02
1	8	749	39.58	-3.61	3.11	32.86	-15.66	32.75	1.79	2.34	32.21	-4.07
1	8	750	-15.64	-83.17	-16.83	-81.99	-8.86	-4.45	-110.36	-9.19	-105.62	-21.91
1	8	751	27.18	-6.15	1.74	19.30	-14.16	19.71	0.99	1.38	19.31	-2.69
1	8	752	17.49	-10.26	0.59	6.64	-13.54	7.34	-0.16	0.45	6.72	-2.06
1	8	753	10.65	-16.88	-0.50	-5.73	-13.51	0.29	-6.50	-0.39	-5.81	-2.04
1	8	754	6.39	-26.37	-1.64	-18.35	-14.09	-0.95	-18.79	-1.35	-18.40	-2.62
1	8	755	24.96	-13.02	21.92	-9.98	10.30	-5.38	-36.29	-13.33	-28.34	13.51

1	8	756	3.80	-38.57	-2.98	-31.80	-15.53	-1.74	-31.77	-2.26	-31.24	-3.94
1	9	1	27.93	-32.61	27.92	-32.59	-0.98	-6.07	-96.59	-6.49	-96.17	-6.17
1	9	3	32.01	-28.26	31.96	-28.22	-1.65	-13.36	-88.04	-14.64	-86.76	-9.69
1	9	5	22.79	-20.06	22.65	-19.93	-2.40	3.29	-75.38	3.29	-75.38	0.20
1	9	7	20.19	-22.58	-22.45	20.06	-2.35	77.05	-3.08	-3.08	77.05	0.15
1	9	9	23.46	-29.11	-29.10	23.46	-0.56	61.33	1.59	1.66	61.26	-1.98
1	9	11	26.39	-25.89	-25.85	26.35	1.38	68.11	3.15	3.28	67.97	2.94
1	9	13	70.08	-15.53	-10.47	65.02	20.19	119.51	-27.61	-7.06	98.96	51.00
1	9	15	26.21	-93.55	23.91	-91.24	16.46	34.04	-168.48	9.26	-143.70	66.36
1	9	17	32.49	-29.27	-29.25	32.47	-1.18	63.89	11.47	11.72	63.64	-3.62
1	9	18	31.23	-41.64	-40.92	30.51	-7.18	51.73	14.47	14.48	51.73	-0.35
1	9	19	42.19	-26.77	-23.79	39.21	-14.02	77.08	12.29	17.71	71.65	-17.94
1	9	20	13.60	-34.88	-33.56	12.27	-7.90	27.31	12.32	12.36	27.27	0.78
1	9	21	18.15	-31.10	-26.10	13.15	-14.88	30.97	7.49	14.67	23.79	-10.82
1	9	22	0.79	-28.33	-27.35	-0.19	-5.25	21.21	10.50	12.64	19.07	4.28
1	9	23	-1.91	-37.61	-36.50	-3.02	-6.19	18.29	15.29	18.22	15.36	0.46
1	9	24	-3.40	-26.41	-26.28	-3.52	-1.68	24.14	5.00	12.91	16.23	9.42
1	9	25	-5.11	-40.32	-40.22	-5.21	-1.82	25.71	7.33	20.08	12.96	8.47
1	9	26	-4.65	-25.54	-25.54	-4.65	0.36	29.79	-0.94	12.56	16.29	15.25
1	9	27	-5.71	-41.73	-41.72	-5.72	-0.46	32.55	0.33	19.93	12.94	15.73
1	9	28	-5.18	-22.83	-22.50	-5.51	2.40	36.38	-7.45	10.28	18.65	21.51
1	9	29	-6.98	-43.16	-43.16	-6.99	-0.45	40.15	-6.94	18.44	14.77	23.48
1	9	30	-4.11	-17.69	-15.84	-5.95	4.66	44.82	-14.77	6.00	24.05	28.39
1	9	31	-9.81	-45.12	-45.11	-9.82	0.68	50.10	-15.39	15.36	19.35	32.68
1	9	32	6.76	-11.16	-5.16	0.75	8.45	55.38	-17.83	1.70	35.85	32.38
1	9	33	-7.63	-47.96	-46.12	-9.47	8.41	64.44	-28.34	9.21	26.89	45.54
1	9	34	49.52	-11.70	-4.86	42.69	19.28	91.83	-19.73	-3.11	75.21	39.72
1	9	35	38.88	-35.96	-30.40	33.33	19.62	97.08	-41.24	-7.24	63.08	59.56
1	9	36	95.83	-6.07	-0.67	90.42	22.84	120.69	-6.45	1.40	112.84	30.61
1	9	37	21.01	-29.72	-29.33	20.62	4.42	35.74	9.96	11.55	34.15	6.20
1	9	38	19.99	-27.58	-27.54	19.95	1.42	34.46	10.08	12.21	32.33	6.88
1	9	39	11.93	-25.90	-25.58	11.61	-3.47	30.78	8.86	11.12	28.51	6.67
1	9	40	2.01	-21.85	-21.71	1.87	-1.82	27.50	6.06	9.64	23.92	8.00
1	9	41	-3.20	-17.61	-17.61	-3.21	0.15	27.63	2.96	8.83	21.76	10.51
1	9	42	-4.26	-15.07	-13.92	-5.42	3.33	30.71	-0.78	7.72	22.21	13.98
1	9	43	-0.65	-14.74	-9.14	-6.26	6.90	35.73	-4.68	5.63	25.42	17.62
1	9	44	7.10	-15.16	-3.36	-4.71	11.11	42.35	-7.79	2.54	32.02	20.28
1	9	45	20.50	-13.88	1.66	4.96	17.11	52.19	-8.18	-2.10e-02	44.03	20.64
1	9	46	39.38	-11.29	2.78	25.31	22.70	60.32	-3.03	2.33	54.95	17.64
1	9	47	82.95	3.68	9.90	76.73	21.31	76.56	4.76	6.93	74.38	12.31
1	9	48	12.17	-23.34	-22.84	11.67	4.20	24.22	5.80	8.11	21.91	6.10
1	9	49	11.72	-22.35	-21.98	11.35	3.55	25.32	6.30	9.01	22.61	6.65
1	9	50	7.74	-19.30	-19.16	7.60	1.96	26.50	5.12	8.76	22.86	8.03
1	9	51	2.47	-15.81	-15.44	2.10	2.58	26.76	3.28	7.72	22.32	9.19
1	9	52	-0.73	-13.03	-11.34	-2.42	4.23	27.23	1.05	6.31	21.96	10.49
1	9	53	1.56	-13.47	-7.04	-4.87	7.43	29.06	-1.07	4.93	23.06	12.03
1	9	54	7.70	-15.60	-2.70	-5.20	11.59	32.31	-2.69	3.44	26.17	13.31
1	9	55	16.27	-16.59	1.33	-1.66	16.36	36.88	-3.00	2.33	31.56	13.56
1	9	56	26.55	-14.98	3.90	7.67	20.68	42.23	-1.76	1.99	38.48	12.29
1	9	57	39.00	-9.05	3.69	26.26	21.21	47.63	0.84	2.70	45.78	9.13
1	9	58	62.21	-0.41	6.40	55.40	19.50	50.48	2.32	3.40	49.40	7.13
1	9	59	7.64	-16.80	-15.66	6.50	5.16	19.28	2.92	5.75	16.45	6.19
1	9	60	7.89	-16.20	-14.87	6.56	5.49	19.71	2.80	6.07	16.45	6.67
1	9	61	5.68	-14.19	-13.06	4.56	4.59	20.84	2.00	6.03	16.80	7.73
1	9	62	3.47	-12.30	-10.17	1.34	5.38	22.03	0.73	5.41	17.35	8.82
1	9	63	3.86	-12.39	-6.80	-1.72	7.72	23.05	-0.59	4.37	18.09	9.62
1	9	64	7.83	-14.71	-3.33	-3.55	11.27	24.32	-1.60	3.26	19.45	10.12
1	9	65	13.81	-17.30	-0.11	-3.37	15.47	26.18	-1.96	2.38	21.84	10.15
1	9	66	20.84	-18.21	2.32	0.31	19.50	28.54	-1.43	1.95	25.16	9.48
1	9	67	27.49	-16.45	3.24	7.80	21.85	31.08	-0.28	1.99	28.80	8.14
1	9	68	33.82	-10.37	2.45	21.01	20.05	33.23	0.96	2.14	32.04	6.07
1	9	69	44.82	-3.74	3.41	37.67	17.21	34.53	1.59	2.22	33.90	4.49
1	9	70	5.66	-11.56	-9.24	3.33	5.89	13.78	-7.92e-02	3.49	10.21	6.06
1	9	71	6.43	-11.83	-8.73	3.33	6.86	14.25	-0.31	3.63	10.30	6.47
1	9	72	5.77	-10.96	-7.57	2.38	6.73	15.18	-1.07	3.54	10.56	7.33
1	9	73	6.12	-11.23	-5.76	0.66	8.06	16.17	-1.92	3.19	11.06	8.14
1	9	74	8.35	-13.03	-3.61	-1.07	10.61	16.97	-2.58	2.59	11.81	8.62
1	9	75	12.37	-15.89	-1.43	-2.09	14.13	17.64	-2.82	1.95	12.87	8.66
1	9	76	17.37	-18.66	0.49	-1.79	17.98	18.33	-2.50	1.52	14.31	8.22
1	9	77	22.32	-19.91	1.75	0.65	21.11	19.07	-1.65	1.39	16.04	7.33
1	9	78	25.92	-18.25	2.01	5.67	22.01	19.81	-0.64	1.44	17.74	6.18
1	9	79	27.17	-12.44	1.37	13.35	18.88	20.20	0.22	1.30	19.13	4.51
1	9	80	30.49	-6.61	1.75	22.13	15.50	20.75	0.75	1.23	20.28	3.05
1	9	81	5.60	-7.72	-3.21	1.09	6.31	8.52	-3.66	1.21	3.65	5.97
1	9	82	6.86	-8.79	-3.03	1.09	7.55	8.92	-3.99	1.25	3.68	6.34
1	9	83	7.11	-8.94	-2.62	0.79	7.84	9.69	-4.66	1.23	3.80	7.06
1	9	84	8.69	-10.44	-1.98	0.22	9.50	10.39	-5.29	1.10	4.00	7.71

1	9	85	11.40	-12.98	-1.20	-0.38	12.18	10.78	-5.60	0.88	4.30	8.01
1	9	86	15.08	-16.22	-0.40	-0.74	15.65	10.81	-5.45	0.65	4.70	7.87
1	9	87	19.06	-19.40	0.29	-0.63	19.22	10.52	-4.82	0.50	5.21	7.30
1	9	88	22.26	-21.30	0.71	0.26	21.78	10.04	-3.84	0.44	5.76	6.41
1	9	89	23.32	-20.50	0.73	2.09	21.90	9.47	-2.75	0.45	6.27	5.37
1	9	90	20.97	-15.68	0.50	4.79	18.20	8.51	-1.38	0.42	6.71	3.82
1	9	91	19.30	-10.92	0.60	7.78	14.68	7.86	-0.36	0.41	7.08	2.40
1	9	92	7.43	-5.65	2.63	-0.84	6.31	4.00	-8.11	-1.05	-3.05	5.97
1	9	93	8.55	-6.93	2.45	-0.84	7.57	4.34	-8.49	-1.07	-3.08	6.34
1	9	94	8.77	-7.22	2.10	-0.55	7.88	5.02	-9.25	-1.04	-3.19	7.06
1	9	95	10.34	-8.87	1.56	-9.44e-02	9.57	5.64	-9.93	-0.93	-3.36	7.69
1	9	96	12.92	-11.63	0.94	0.35	12.27	5.92	-10.30	-0.77	-3.61	7.98
1	9	97	16.19	-15.31	0.32	0.55	15.75	5.73	-10.29	-0.61	-3.96	7.84
1	9	98	19.40	-19.24	-0.17	0.33	19.32	5.07	-9.96	-0.51	-4.38	7.26
1	9	99	21.37	-22.33	-0.44	-0.53	21.85	4.07	-9.39	-0.49	-4.84	6.37
1	9	100	20.66	-23.15	-0.46	-2.04	21.89	2.97	-8.74	-0.50	-5.26	5.35
1	9	101	16.04	-20.37	-0.30	-4.02	18.11	1.56	-7.66	-0.45	-5.65	3.81
1	9	102	11.57	-18.13	-0.41	-6.16	14.57	0.46	-6.88	-0.42	-6.00	2.39
1	9	103	11.06	-5.49	8.60	-3.03	5.89	0.37	-13.30	-3.31	-9.62	6.06
1	9	104	11.40	-6.31	8.09	-3.01	6.90	0.63	-13.75	-3.42	-9.70	6.47
1	9	105	10.68	-5.75	7.00	-2.07	6.85	1.35	-14.68	-3.35	-9.98	7.30
1	9	106	11.16	-6.35	5.30	-0.49	8.27	2.18	-15.62	-3.00	-10.44	8.09
1	9	107	13.09	-8.75	3.29	1.06	10.86	2.79	-16.40	-2.46	-11.15	8.55
1	9	108	16.01	-12.82	1.27	1.92	14.41	2.95	-17.03	-1.89	-12.19	8.56
1	9	109	18.81	-17.77	-0.46	1.50	18.27	2.54	-17.64	-1.52	-13.58	8.09
1	9	110	20.10	-22.59	-1.52	-0.97	21.34	1.63	-18.26	-1.44	-15.19	7.19
1	9	111	18.38	-25.90	-1.67	-5.86	22.04	0.64	-18.85	-1.49	-16.71	6.08
1	9	112	12.59	-26.49	-1.10	-12.80	18.64	-0.22	-19.16	-1.34	-18.04	4.47
1	9	113	6.99	-28.67	-1.40	-20.28	15.12	-0.90	-19.68	-1.41	-19.17	3.03
1	9	114	16.20	-7.20	15.02	-6.02	5.11	-2.73	-18.83	-5.66	-15.90	6.21
1	9	115	15.64	-7.50	14.22	-6.07	5.57	-2.63	-19.33	-5.93	-16.03	6.65
1	9	116	13.72	-5.40	12.42	-4.10	4.81	-1.68	-20.26	-5.76	-16.18	7.69
1	9	117	12.13	-3.57	9.65	-1.08	5.73	-0.51	-21.46	-5.22	-16.76	8.74
1	9	118	12.47	-4.38	6.40	1.70	8.09	0.75	-22.51	-4.23	-17.53	9.54
1	9	119	14.85	-8.45	3.02	3.39	11.65	1.68	-23.77	-3.17	-18.91	10.00
1	9	120	17.46	-14.47	-0.14	3.13	15.88	1.92	-25.55	-2.35	-21.28	9.96
1	9	121	18.32	-21.58	-2.36	-0.90	19.93	1.24	-27.82	-2.04	-24.55	9.19
1	9	122	16.66	-27.90	-2.94	-8.30	22.11	2.33e-02	-30.14	-2.18	-27.93	7.86
1	9	123	10.52	-33.61	-1.97	-21.11	19.88	-1.03	-31.90	-2.22	-30.70	5.97
1	9	124	4.42	-42.28	-2.56	-35.29	16.65	-1.65	-33.39	-2.29	-32.75	4.45
1	9	125	22.26	-11.72	21.72	-11.19	4.24	-5.25	-24.10	-7.60	-21.74	6.24
1	9	126	21.30	-10.80	20.89	-10.39	3.63	-5.34	-24.40	-8.23	-21.51	6.84
1	9	127	18.67	-7.07	18.48	-6.87	2.24	-4.87	-25.83	-8.51	-22.19	7.94
1	9	128	15.35	-2.45	14.90	-1.99	2.81	-3.04	-26.32	-7.52	-21.83	9.18
1	9	129	12.88	0.36	10.93	2.31	4.54	-0.91	-26.90	-6.19	-21.62	10.46
1	9	130	13.46	-2.17	6.56	4.73	7.76	1.14	-28.68	-4.79	-22.75	11.91
1	9	131	15.60	-8.49	2.11	5.00	11.96	2.68	-31.84	-3.33	-25.84	13.08
1	9	132	16.66	-17.21	-2.15	1.61	16.83	2.81	-36.25	-2.29	-31.16	13.15
1	9	133	14.91	-27.51	-4.44	-8.17	21.13	1.17	-41.71	-2.30	-38.24	11.69
1	9	134	8.80	-39.89	-3.69	-27.40	21.26	-1.32	-46.52	-3.08	-44.76	8.74
1	9	135	2.14	-59.60	-5.10	-52.37	19.86	-2.37	-48.69	-3.47	-47.59	7.06
1	9	136	30.09	-16.73	29.75	-16.40	3.93	-9.83	-30.18	-11.58	-28.43	5.71
1	9	137	27.52	-18.56	27.42	-18.46	2.20	-11.28	-32.79	-13.00	-31.07	5.84
1	9	138	24.79	-11.34	24.68	-11.22	-2.04	-8.30	-30.47	-10.74	-28.03	6.94
1	9	139	21.70	-2.29	21.61	-2.19	-1.51	-5.84	-27.56	-9.55	-23.85	8.17
1	9	140	17.33	3.00	17.32	3.00	0.31	-2.80	-27.65	-8.66	-21.79	10.55
1	9	141	15.25	3.38	13.28	5.35	4.42	0.83	-30.56	-7.49	-22.23	13.86
1	9	142	14.32	6.00e-02	8.24	6.14	7.05	4.62	-35.38	-5.38	-25.37	17.32
1	9	143	14.49	-8.30	1.87	4.33	11.33	6.97	-42.13	-3.24	-31.92	19.92
1	9	144	12.26	-22.01	-4.47	-5.28	17.13	7.77	-50.95	-5.36e-02	-43.13	19.95
1	9	145	3.48	-41.83	-8.37	-29.98	19.91	0.80	-63.65	-3.39	-59.46	15.89
1	9	146	-7.59	-79.59	-14.46	-72.73	21.15	-4.18	-71.27	-6.38	-69.06	11.96
1	9	147	21.51	-27.30	21.51	-27.30	0.24	-9.32	-65.00	-10.26	-64.06	7.18
1	9	148	33.50	-28.49	33.34	-28.34	-3.08	-9.69	-51.76	-10.64	-50.80	6.28
1	9	149	37.55	-13.51	36.34	-12.31	-7.74	-12.13	-27.65	-12.28	-27.50	1.52
1	9	150	28.77	-1.28	27.92	-0.42	-5.00	-10.20	-21.61	-12.45	-19.35	4.55
1	9	151	25.95	3.15	25.80	3.30	-1.86	-4.82	-24.14	-12.52	-16.44	9.46
1	9	152	24.60	4.61	24.60	4.61	0.26	0.98	-29.55	-12.13	-16.44	15.11
1	9	153	21.76	5.07	21.41	5.42	2.38	7.36	-35.98	-9.88	-18.73	21.21
1	9	154	16.82	3.58	15.02	5.38	4.54	14.18	-43.91	-5.80	-23.94	27.59
1	9	155	12.49	-7.91	6.09	-1.50	9.47	20.71	-54.77	0.59	-34.66	33.37
1	9	156	-0.34	-35.33	-6.05	-29.61	12.93	13.56	-71.28	-0.62	-57.10	31.66
1	9	157	-19.76	-93.29	-21.11	-91.93	9.89	-4.75	-119.31	-9.15	-114.91	22.02
1	9	158	44.78	-27.48	38.61	-21.30	20.20	51.66	-86.28	11.67	-46.29	62.59
1	9	159	16.76	-41.52	12.65	-37.41	-14.92	-4.94	-80.40	-19.17	-66.17	-29.52
1	9	160	29.51	-19.82	24.48	-14.79	-14.93	-7.78	-31.74	-14.99	-24.54	-10.99
1	9	161	37.59	0.23	35.72	2.10	-8.15	-15.68	-18.33	-18.25	-15.76	0.46

1	9	162	40.18	4.95	40.03	5.10	-2.29	-7.59	-25.78	-20.12	-13.25	8.42
1	9	163	41.87	5.88	41.86	5.90	-0.68	-0.60	-32.54	-19.97	-13.17	15.60
1	9	164	43.44	7.14	43.43	7.15	-0.46	6.59	-39.98	-18.47	-14.93	23.22
1	9	165	45.30	9.29	45.29	9.31	0.79	15.08	-49.28	-15.16	-19.03	32.12
1	9	166	47.10	6.21	45.42	7.89	8.10	26.62	-62.64	-8.63	-27.39	43.63
1	9	167	38.75	-33.22	-30.11	35.64	-14.64	70.49	5.47	13.07	62.90	-20.89
1	9	168	16.18	-5.55	15.73	-5.09	-3.10	-3.43	-13.98	-3.50	-13.91	0.84
1	9	169	30.13	-32.68	-32.38	29.83	-4.33	57.98	7.64	8.95	56.67	-8.01
1	9	170	29.67	-45.02	-43.54	28.20	-10.39	45.97	9.88	10.90	44.95	-5.96
1	9	171	16.60	-40.03	-35.00	11.57	-16.11	31.81	-1.31	10.56	19.93	-15.89
1	9	172	13.71	-41.41	-39.07	11.38	-11.10	24.92	7.08	8.91	23.09	-5.42
1	9	173	-0.58	-47.66	-45.77	-2.47	-9.25	19.98	5.81	13.53	12.26	-7.06
1	9	174	2.57	-38.19	-36.12	0.50	-8.95	17.23	7.37	9.34	15.26	-3.94
1	9	175	-3.80	-50.74	-50.51	-4.03	-3.27	16.44	8.45	15.29	9.60	-2.80
1	9	176	-1.46	-38.21	-37.55	-2.13	-4.90	13.73	8.32	10.02	12.02	-2.51
1	9	177	-4.04	-52.94	-52.88	-4.10	-1.74	18.14	5.95	15.32	8.77	5.14
1	9	178	-2.64	-39.48	-39.36	-2.75	-2.05	15.87	5.42	10.26	11.02	5.21
1	9	179	-4.37	-54.35	-54.34	-4.38	-0.68	21.85	1.46	14.20	9.12	9.88
1	9	180	-2.98	-39.92	-39.91	-2.99	-0.53	19.43	1.09	9.00	11.52	9.08
1	9	181	-4.63	-55.00	-54.98	-4.64	0.93	26.42	-3.96	11.51	10.94	15.19
1	9	182	-2.48	-39.35	-39.15	-2.68	2.70	23.57	-3.54	6.26	13.77	13.02
1	9	183	-2.27	-54.56	-53.70	-3.13	6.67	33.03	-11.37	7.76	13.91	21.99
1	9	184	2.48	-38.94	-37.81	1.35	6.75	28.09	-3.45	4.99	19.66	13.96
1	9	185	6.50	-49.48	-47.69	4.72	9.84	50.64	-20.49	-7.37	37.52	27.59
1	9	186	15.66	-33.35	-32.47	14.79	6.48	47.80	-3.60	1.78	42.42	15.73
1	9	187	19.41	-31.33	-31.32	19.40	-0.82	30.16	9.05	9.06	30.15	0.36
1	9	188	19.26	-31.83	-31.14	18.57	-5.90	28.19	9.52	9.57	28.14	0.96
1	9	189	13.19	-33.19	-31.17	11.16	-9.47	24.05	8.52	8.52	24.05	0.19
1	9	190	5.03	-32.33	-30.08	2.77	-8.90	19.08	7.41	7.41	19.07	0.25
1	9	191	-0.42	-30.04	-29.19	-1.27	-4.95	16.46	6.80	7.19	16.07	1.90
1	9	192	-2.51	-29.41	-29.23	-2.69	-2.17	17.60	4.34	6.92	15.01	5.26
1	9	193	-3.01	-29.12	-29.12	-3.01	-0.17	19.93	1.91	6.08	15.77	7.59
1	9	194	-1.38	-29.26	-28.46	-2.18	4.64	23.05	0.19	4.80	18.44	9.17
1	9	195	3.24	-29.32	-27.95	1.87	6.53	27.51	0.94	4.57	23.87	9.13
1	9	196	12.49	-30.33	-29.33	11.49	6.46	29.06	4.23	6.96	26.33	7.77
1	9	197	12.13	-25.43	-24.73	11.43	-5.07	19.10	6.07	6.19	18.97	1.28
1	9	198	11.89	-26.05	-25.17	11.01	-5.72	19.65	6.89	7.10	19.45	1.59
1	9	199	9.62	-26.04	-24.27	7.85	-7.75	19.45	6.44	6.94	18.96	2.49
1	9	200	5.37	-25.29	-23.18	3.26	-7.75	18.40	5.42	6.25	17.56	3.19
1	9	201	1.27	-23.75	-22.18	-0.30	-6.05	17.44	4.12	5.47	16.08	4.02
1	9	202	-1.82	-21.70	-21.52	-2.00	-1.87	17.60	2.87	4.91	15.55	5.10
1	9	203	-2.12	-21.37	-21.17	-2.32	1.96	18.85	1.83	4.43	16.25	6.12
1	9	204	-0.28	-22.15	-21.13	-1.30	4.60	20.82	1.66	4.30	18.17	6.61
1	9	205	4.04	-23.38	-21.84	2.50	6.32	22.80	2.75	5.00	20.56	6.32
1	9	206	9.88	-23.79	-22.41	8.50	6.66	24.32	4.70	6.59	22.42	5.80
1	9	207	8.02	-18.70	-17.35	6.67	-5.85	14.46	4.05	4.36	14.14	1.79
1	9	208	7.93	-18.85	-17.59	6.67	-5.67	14.43	4.33	4.79	13.97	2.10
1	9	209	7.02	-19.19	-17.27	5.10	-6.83	14.52	4.05	4.87	13.70	2.82
1	9	210	4.60	-18.58	-16.50	2.52	-6.63	14.72	3.27	4.56	13.44	3.61
1	9	211	0.46	-15.90	-15.64	0.20	-2.03	14.80	2.32	3.99	13.12	4.26
1	9	212	-1.03	-15.17	-15.01	-1.18	-1.46	15.07	1.50	3.50	13.08	4.81
1	9	213	-0.49	-15.67	-14.74	-1.42	3.65	15.76	1.10	3.27	13.59	5.21
1	9	214	1.12	-16.13	-14.91	-9.89e-02	4.42	16.71	1.27	3.43	14.54	5.36
1	9	215	4.03	-17.15	-15.38	2.26	5.86	17.65	1.95	4.07	15.53	5.37
1	9	216	6.87	-17.45	-15.73	5.15	6.23	18.46	2.71	5.01	16.16	5.57
1	9	217	6.02	-12.85	-10.40	3.57	-6.34	9.37	2.01	2.65	8.72	2.07
1	9	218	5.55	-12.56	-10.55	3.54	-5.69	9.52	2.06	2.88	8.70	2.33
1	9	219	5.40	-12.89	-10.36	2.86	-6.32	9.78	1.64	2.90	8.52	2.95
1	9	220	4.04	-12.43	-9.94	1.55	-5.90	10.22	1.00	2.76	8.47	3.62
1	9	221	0.59	-9.73	-9.41	0.27	-1.80	10.62	0.33	2.46	8.49	4.16
1	9	222	-0.41	-9.15	-9.00	-0.56	-1.13	10.95	-0.15	2.18	8.62	4.52
1	9	223	0.59	-10.13	-8.84	-0.70	3.49	11.33	-0.34	2.07	8.92	4.72
1	9	224	1.74	-10.63	-8.95	6.09e-02	4.24	11.79	-0.22	2.22	9.34	4.84
1	9	225	3.75	-11.55	-9.21	1.41	5.51	12.32	2.11e-02	2.61	9.74	5.01
1	9	226	5.39	-11.97	-9.33	2.75	6.23	12.98	0.12	3.10	10.00	5.43
1	9	227	5.77	-8.22	-3.64	1.19	-6.57	4.48	-0.45	0.93	3.11	2.21
1	9	228	4.97	-7.48	-3.69	1.18	-5.73	4.71	-0.61	1.01	3.09	2.45
1	9	229	5.19	-7.85	-3.64	0.98	-6.10	5.19	-1.11	1.02	3.05	2.98
1	9	230	4.44	-7.37	-3.49	0.57	-5.55	5.73	-1.71	0.97	3.04	3.57
1	9	231	0.82	-3.99	-3.31	0.14	-1.68	6.17	-2.22	0.87	3.08	4.05
1	9	232	0.13	-3.44	-3.16	-0.15	-0.96	6.47	-2.54	0.78	3.15	4.35
1	9	233	2.08	-5.35	-3.10	-0.17	3.41	6.69	-2.68	0.75	3.26	4.51
1	9	234	2.89	-5.97	-3.14	5.78e-02	4.14	6.92	-2.73	0.80	3.38	4.65
1	9	235	4.31	-7.05	-3.22	0.48	5.37	7.27	-2.85	0.93	3.49	4.89
1	9	236	5.43	-7.78	-3.26	0.91	6.27	7.83	-3.16	1.09	3.58	5.35
1	9	237	7.91	-5.85	3.02	-0.97	-6.58	0.70	-4.10	-0.78	-2.62	2.22
1	9	238	7.13	-5.02	3.06	-0.95	-5.74	0.89	-4.33	-0.84	-2.60	2.45

1	9	239	7.50	-5.24	3.01	-0.75	-6.09	1.40	-4.81	-0.84	-2.56	2.98
1	9	240	7.02	-4.52	2.90	-0.40	-5.53	2.00	-5.35	-0.80	-2.55	3.57
1	9	241	3.54	-0.83	2.76	-5.64e-02	-1.67	2.50	-5.79	-0.72	-2.58	4.04
1	9	242	2.97	-0.16	2.65	0.16	-0.95	2.80	-6.10	-0.66	-2.64	4.34
1	9	243	5.01	-2.24	2.61	0.16	3.41	2.93	-6.31	-0.66	-2.72	4.50
1	9	244	5.63	-3.04	2.63	-4.00e-02	4.13	2.99	-6.52	-0.72	-2.82	4.64
1	9	245	6.71	-4.42	2.69	-0.39	5.35	3.13	-6.87	-0.83	-2.91	4.89
1	9	246	7.47	-5.51	2.69	-0.73	6.26	3.48	-7.42	-0.96	-2.98	5.35
1	9	247	12.35	-5.91	9.74	-3.31	-6.38	-1.81	-8.92	-2.49	-8.24	2.09
1	9	248	12.01	-5.40	9.87	-3.27	-5.71	-1.83	-9.08	-2.69	-8.21	2.35
1	9	249	12.35	-5.23	9.71	-2.59	-6.28	-1.41	-9.36	-2.71	-8.06	2.94
1	9	250	11.90	-3.93	9.34	-1.37	-5.83	-0.77	-9.78	-2.57	-7.98	3.61
1	9	251	9.21	-0.54	8.87	-0.21	-1.78	-0.13	-10.19	-2.30	-8.01	4.14
1	9	252	8.66	0.38	8.51	0.53	-1.10	0.33	-10.54	-2.06	-8.15	4.50
1	9	253	9.70	-0.68	8.36	0.66	3.48	0.48	-10.91	-1.99	-8.44	4.69
1	9	254	10.18	-1.79	8.45	-6.33e-02	4.21	0.36	-11.33	-2.15	-8.82	4.80
1	9	255	11.06	-3.74	8.66	-1.34	5.46	0.15	-11.84	-2.52	-9.17	4.99
1	9	256	11.46	-5.28	8.74	-2.55	6.18	0.11	-12.52	-2.98	-9.43	5.43
1	9	257	18.14	-7.72	16.69	-6.27	-5.95	-3.93	-14.03	-4.28	-13.68	1.84
1	9	258	18.22	-7.56	16.91	-6.25	-5.67	-4.18	-14.09	-4.64	-13.62	2.10
1	9	259	18.52	-6.67	16.57	-4.72	-6.73	-3.78	-14.02	-4.63	-13.18	2.82
1	9	260	17.96	-4.38	15.90	-2.33	-6.46	-3.07	-14.26	-4.38	-12.96	3.59
1	9	261	15.39	-0.47	15.14	-0.21	-1.99	-2.14	-14.41	-3.85	-12.69	4.25
1	9	262	14.71	0.93	14.56	1.08	-1.41	-1.36	-14.72	-3.38	-12.69	4.79
1	9	263	15.22	0.37	14.28	1.31	3.63	-1.00	-15.39	-3.17	-13.22	5.15
1	9	264	15.63	-1.14	14.40	8.62e-02	4.36	-1.25	-16.32	-3.40	-14.17	5.27
1	9	265	16.57	-3.94	14.82	-2.19	5.74	-1.91	-17.16	-4.04	-15.02	5.29
1	9	266	16.80	-6.67	15.06	-4.94	6.14	-2.52	-17.93	-4.90	-15.55	5.58
1	9	267	24.33	-11.80	23.59	-11.06	-5.12	-5.72	-18.89	-5.77	-18.84	0.81
1	9	268	24.98	-11.16	24.04	-10.22	-5.75	-6.20	-18.72	-6.45	-18.47	1.75
1	9	269	25.25	-8.92	23.56	-7.23	-7.42	-6.24	-18.88	-6.73	-18.39	2.45
1	9	270	24.59	-5.20	22.60	-3.21	-7.43	-5.22	-18.03	-6.09	-17.15	3.24
1	9	271	22.55	-0.56	21.78	0.22	-4.17	-3.97	-17.21	-5.37	-15.82	4.07
1	9	272	21.29	1.65	21.13	1.82	-1.81	-2.71	-17.39	-4.77	-15.32	5.10
1	9	273	20.93	1.94	20.73	2.13	1.93	-1.72	-18.61	-4.30	-16.04	6.07
1	9	274	21.60	-0.30	20.62	0.68	4.52	-1.66	-20.49	-4.21	-17.93	6.45
1	9	275	22.67	-3.99	21.19	-2.51	6.10	-2.97	-22.59	-5.13	-20.43	6.15
1	9	276	23.04	-9.45	21.72	-8.14	6.40	-4.70	-23.61	-6.65	-21.66	5.75
1	9	277	31.88	-15.45	31.71	-15.29	-2.78	-8.90	-24.94	-8.94	-24.90	-0.80
1	9	278	31.30	-17.70	31.01	-17.42	-3.72	-10.13	-27.15	-10.13	-27.14	-0.31
1	9	279	31.94	-12.60	30.15	-10.81	-8.74	-8.18	-23.61	-8.19	-23.60	0.38
1	9	280	31.99	-5.26	29.91	-3.18	-8.55	-7.36	-19.01	-7.37	-19.00	0.31
1	9	281	29.77	0.17	28.96	0.98	-4.83	-6.66	-16.48	-7.06	-16.08	1.94
1	9	282	28.96	2.33	28.79	2.51	-2.16	-4.19	-17.58	-6.75	-15.02	5.26
1	9	283	28.65	2.80	28.65	2.81	-0.19	-1.79	-19.77	-5.85	-15.72	7.51
1	9	284	28.82	1.11	28.04	1.89	4.57	-0.20	-22.93	-4.73	-18.40	9.08
1	9	285	28.60	-3.34	27.34	-2.08	6.20	-1.17	-26.78	-4.61	-23.35	8.73
1	9	286	28.62	-12.87	27.85	-12.11	5.59	-5.39	-31.63	-7.52	-29.50	7.16
1	9	287	23.23	-24.72	23.02	-24.51	-3.19	-8.25	-57.62	-8.26	-57.62	0.51
1	9	288	35.76	-26.66	34.99	-25.89	-6.87	-8.23	-44.04	-8.24	-44.04	-0.30
1	9	289	43.92	-13.70	41.71	-11.49	-11.07	-7.52	-24.75	-9.02	-23.25	-4.86
1	9	290	38.62	-3.17	36.63	-1.18	-8.91	-7.50	-17.17	-9.19	-15.48	-3.68
1	9	291	37.77	1.13	37.07	1.83	-5.02	-9.37	-12.53	-9.73	-12.17	-1.00
1	9	292	38.69	2.47	38.57	2.60	-2.12	-5.32	-15.76	-9.95	-11.13	5.19
1	9	293	39.14	2.80	39.13	2.81	-0.49	-1.08	-19.25	-8.75	-11.57	8.98
1	9	294	38.94	2.10	38.74	2.30	2.74	3.39	-23.04	-5.97	-13.68	12.64
1	9	295	39.83	-2.65	38.71	-1.53	6.81	5.21	-28.19	-4.07	-18.91	14.96
1	9	296	29.89	-11.01	29.30	-10.42	4.89	-0.97	-35.11	-5.19	-30.89	11.24
1	9	297	23.22	-13.61	22.29	-12.68	-5.76	-9.14	-31.24	-9.16	-31.22	0.70
1	9	298	25.90	-36.20	21.96	-32.25	-15.15	2.71	-72.53	-13.73	-56.09	-31.09
1	9	299	38.24	-18.31	33.30	-13.37	-15.97	1.03	-32.28	-10.75	-20.50	-15.93
1	9	300	47.01	-0.64	44.87	1.51	-9.88	-6.01	-20.10	-13.56	-12.56	-7.03
1	9	301	50.37	3.58	50.11	3.85	-3.50	-8.65	-16.49	-15.32	-9.82	-2.80
1	9	302	52.75	4.05	52.68	4.12	-1.85	-6.12	-18.15	-15.34	-8.93	5.09
1	9	303	54.12	4.35	54.11	4.36	-0.58	-1.66	-21.79	-14.22	-9.23	9.75
1	9	304	54.55	4.25	54.52	4.28	1.25	3.76	-26.04	-11.51	-10.77	14.90
1	9	305	53.35	-0.67	52.57	0.11	6.46	10.44	-31.97	-7.16	-14.37	20.89
1	9	306	52.37	-5.23	50.54	-3.40	10.10	28.27	-42.80	10.39	-24.93	30.84
1	9	307	28.10	-11.54	28.08	-11.52	-0.83	-5.47	-26.46	-5.49	-26.43	0.74
1	9	308	29.14	-13.53	24.85	-9.24	-12.83	12.81	-31.86	0.61	-19.66	-19.90
1	9	309	45.59	3.22	45.39	3.42	-2.90	-9.29	-11.04	-10.56	-9.77	0.78
1	9	310	47.96	3.28	47.91	3.33	-1.48	-1.88	-17.27	-8.66	-10.48	7.64
1	9	311	36.31	-7.63	33.02	-4.35	-11.56	-0.90	-21.18	-8.60	-13.48	-9.84
1	9	312	18.49	-18.41	-17.84	17.92	-4.56	59.28	8.41	8.41	59.28	-9.01e-02
1	9	313	12.81	-29.21	-24.93	8.53	-12.71	31.55	-13.14	-0.69	19.10	-20.03
1	9	314	16.10	-27.06	-25.05	14.08	-9.11	27.36	2.31	4.20	25.47	-6.61
1	9	315	7.64	-36.22	-33.07	4.50	-11.32	21.01	0.75	8.59	13.17	-9.87

1	9	316	7.91	-35.36	-31.93	4.48	-11.69	19.66	1.57	4.36	16.87	-6.53
1	9	317	-0.80	-42.60	-41.21	-2.19	-7.49	15.00	6.11	10.74	10.37	-4.44
1	9	318	1.65	-33.44	-31.43	-0.36	-8.15	14.50	3.89	5.19	13.20	-3.48
1	9	319	-3.30	-45.82	-45.62	-3.50	-2.91	11.01	9.12	10.53	9.60	0.82
1	9	320	-1.59	-33.36	-33.10	-1.85	-2.87	12.27	5.27	5.31	12.23	0.57
1	9	321	-3.66	-48.49	-48.42	-3.73	-1.76	17.59	1.68	8.68	10.60	7.90
1	9	322	-1.73	-34.63	-34.49	-1.87	-2.11	16.55	0.71	3.86	13.39	6.33
1	9	323	-2.87	-49.33	-49.33	-2.88	0.65	22.30	-8.32	1.06	12.91	14.12
1	9	324	1.52	-35.70	-35.50	1.31	2.73	21.02	0.39	3.31	18.09	7.20
1	9	325	4.44	-47.11	-45.89	3.23	7.81	41.93	-14.32	-6.45	34.05	19.52
1	9	326	13.41	-33.07	-32.80	13.14	3.53	40.36	-0.97	1.14	38.25	9.10
1	9	327	19.10	-11.56	17.75	-10.21	-6.28	-6.59	-21.34	-6.60	-21.33	0.48
1	9	328	21.31	-12.71	18.21	-9.61	-9.79	-5.29	-22.27	-5.84	-21.72	3.00
1	9	329	18.36	-18.39	17.77	-17.79	-4.65	-8.74	-57.66	-8.74	-57.66	-0.25
1	9	330	26.89	-16.15	24.88	-14.14	-9.08	-2.84	-27.34	-4.41	-25.77	-5.99
1	9	331	13.75	-23.55	-22.65	12.86	-5.71	32.47	9.25	9.27	32.45	0.68
1	9	332	17.82	-23.95	-22.18	16.05	-8.41	28.71	6.69	6.72	28.68	-0.82
1	9	333	9.26	-27.04	-23.35	5.57	-10.97	22.08	3.00	3.32	21.75	-2.47
1	9	334	4.15	-27.02	-23.77	0.91	-9.52	18.35	2.59	2.97	17.97	-2.41
1	9	335	0.88	-26.54	-24.47	-1.19	-7.24	16.80	2.79	2.79	16.80	0.23
1	9	336	-1.00	-25.42	-25.22	-1.20	-2.19	18.87	1.55	2.42	18.00	3.78
1	9	337	2.19	-26.57	-26.50	2.11	1.49	22.64	2.09	2.73	22.00	3.58
1	9	338	10.98	-29.71	-29.65	10.92	1.52	23.75	4.79	5.01	23.53	2.04
1	9	339	22.13	-9.23	17.98	-5.08	-10.63	-3.58	-20.06	-3.71	-19.93	1.46
1	9	340	26.69	-9.30	22.98	-5.59	-10.95	-3.03	-22.10	-3.33	-21.80	-2.37
1	9	341	26.69	-4.31	23.40	-1.02	-9.55	-2.51	-18.42	-2.88	-18.05	-2.39
1	9	342	11.73	-19.45	-18.15	10.43	-6.22	21.94	6.76	6.78	21.92	0.50
1	9	343	12.90	-21.65	-18.61	9.86	-9.79	22.76	5.42	5.95	22.24	2.96
1	9	344	9.26	-22.48	-18.37	5.15	-10.66	20.37	3.60	3.73	20.24	1.44
1	9	345	5.51	-22.02	-17.97	1.46	-9.75	18.13	2.36	2.36	18.13	0.12
1	9	346	2.82	-21.06	-18.15	-9.35e-02	-7.81	17.28	1.92	1.92	17.28	-4.60e-02
1	9	347	0.78	-19.25	-19.05	0.58	-1.98	17.84	2.15	2.15	17.83	0.21
1	9	348	2.96	-21.02	-20.96	2.90	-1.22	19.11	3.06	3.11	19.07	-0.84
1	9	349	8.37	-23.05	-23.00	8.33	1.20	20.15	4.63	4.75	20.03	-1.33
1	9	350	21.70	-5.64	17.60	-1.54	-9.76	-2.30	-17.93	-2.30	-17.93	0.12
1	9	351	34.99	-7.91	31.56	-4.48	-11.64	-1.68	-19.66	-4.19	-17.14	-6.24
1	9	352	32.94	-1.80	30.87	0.26	-8.21	-3.69	-14.60	-4.90	-13.39	-3.42
1	9	353	9.20	-15.24	-13.12	7.08	-6.88	15.54	4.70	4.72	15.53	0.41
1	9	354	10.17	-17.40	-13.46	6.23	-9.65	16.41	3.51	4.26	15.65	3.03
1	9	355	8.66	-17.96	-13.20	3.90	-10.20	16.03	2.36	3.07	15.33	3.03
1	9	356	6.34	-17.66	-12.88	1.56	-9.59	15.35	1.43	2.04	14.74	2.86
1	9	357	4.26	-16.77	-12.94	0.44	-8.11	14.82	1.11	1.60	14.33	2.55
1	9	358	3.24	-16.12	-13.69	0.82	-6.41	14.43	1.72	1.82	14.33	1.12
1	9	359	2.80	-15.09	-14.98	2.70	-1.37	14.75	2.31	2.58	14.49	-1.79
1	9	360	5.69	-16.81	-16.39	5.28	-3.02	14.43	3.59	3.59	14.43	9.30e-03
1	9	361	20.78	-2.94	17.78	6.55e-02	-7.90	-1.85	-17.11	-1.85	-17.11	-5.10e-02
1	9	362	32.76	1.38	32.50	1.64	-2.83	-5.01	-12.39	-5.06	-12.34	0.56
1	9	363	34.35	1.35	34.23	1.47	-2.03	-0.76	-16.24	-3.64	-13.37	6.02
1	9	364	7.60	-11.45	-7.94	4.09	-7.39	9.47	2.78	2.80	9.45	0.38
1	9	365	8.85	-13.51	-8.15	3.49	-9.55	10.59	1.50	2.56	9.52	2.93
1	9	366	8.29	-13.94	-8.00	2.36	-9.83	10.56	0.93	1.97	9.53	2.98
1	9	367	7.08	-13.75	-7.84	1.16	-9.39	10.36	0.49	1.41	9.45	2.87
1	9	368	5.61	-13.01	-7.90	0.50	-8.31	10.03	0.42	1.14	9.32	2.52
1	9	369	4.64	-12.16	-8.34	0.82	-7.04	9.75	0.71	1.25	9.21	2.14
1	9	370	4.48	-11.81	-9.08	1.75	-6.09	9.54	1.23	1.67	9.10	1.86
1	9	371	5.13	-12.05	-9.86	2.94	-5.73	9.39	1.75	2.21	8.93	1.82
1	9	372	18.80	-0.81	18.60	-0.61	-1.98	-2.09	-17.65	-2.10	-17.65	0.19
1	9	373	36.55	-1.55	36.55	-1.54	0.58	0.69	-21.08	-2.90	-17.49	8.09
1	9	374	30.47	-9.07	30.39	-8.99	1.84	-2.60	-28.74	-3.54	-27.80	4.86
1	9	375	7.22	-8.61	-2.77	1.38	-7.64	3.38	0.92	0.97	3.32	0.36
1	9	376	8.87	-10.55	-2.85	1.17	-9.50	5.22	-0.98	0.89	3.35	2.84
1	9	377	8.84	-10.84	-2.81	0.81	-9.67	5.23	-1.15	0.70	3.38	2.89
1	9	378	8.27	-10.59	-2.76	0.44	-9.30	5.11	-1.21	0.52	3.38	2.82
1	9	379	7.28	-9.83	-2.80	0.24	-8.42	4.80	-1.02	0.42	3.36	2.51
1	9	380	6.25	-8.88	-2.95	0.31	-7.39	4.49	-0.72	0.45	3.32	2.17
1	9	381	5.55	-8.13	-3.20	0.62	-6.57	4.29	-0.43	0.60	3.26	1.95
1	9	382	5.33	-7.80	-3.46	0.99	-6.17	4.28	-0.31	0.79	3.18	1.96
1	9	383	20.40	-2.99	20.32	-2.92	-1.31	-3.20	-19.03	-3.24	-18.99	-0.80
1	9	384	22.33	-7.96	22.31	-7.94	-0.68	-4.67	-19.48	-4.79	-19.36	-1.34
1	9	385	48.14	-0.13	48.12	-0.12	0.92	3.87	-23.38	-6.15	-13.36	13.14
1	9	386	8.43	-7.28	2.37	-1.22	-7.65	-0.77	-2.91	-0.83	-2.85	0.36
1	9	387	10.36	-8.96	2.43	-1.04	-9.51	1.21	-4.85	-0.76	-2.87	2.84
1	9	388	10.63	-8.96	2.38	-0.72	-9.67	1.36	-4.85	-0.60	-2.89	2.89
1	9	389	10.37	-8.43	2.34	-0.39	-9.30	1.39	-4.74	-0.45	-2.90	2.81
1	9	390	9.60	-7.46	2.35	-0.21	-8.43	1.18	-4.42	-0.37	-2.87	2.51
1	9	391	8.63	-6.43	2.47	-0.27	-7.41	0.87	-4.09	-0.40	-2.82	2.17
1	9	392	7.85	-5.72	2.67	-0.53	-6.59	0.60	-3.89	-0.53	-2.75	1.95

1	9	393	7.49	-5.44	2.88	-0.83	-6.20	0.52	-3.89	-0.68	-2.68	1.96
1	9	394	23.70	-17.43	21.88	-15.61	-8.46	-6.73	-28.43	-6.76	-28.40	-0.74
1	9	395	26.24	-1.14	24.12	0.98	-7.32	-2.61	-16.83	-2.61	-16.83	0.21
1	9	396	25.12	7.72e-02	24.92	0.27	-2.20	-1.51	-18.87	-2.36	-18.03	3.74
1	9	397	11.17	-7.56	7.53	-3.92	-7.42	-2.64	-9.01	-2.66	-8.98	0.37
1	9	398	13.23	-8.85	7.73	-3.35	-9.55	-1.33	-10.15	-2.43	-9.05	2.92
1	9	399	13.65	-8.34	7.58	-2.27	-9.83	-0.80	-10.13	-1.87	-9.06	2.97
1	9	400	13.47	-7.19	7.42	-1.13	-9.40	-0.39	-9.94	-1.34	-8.99	2.86
1	9	401	12.73	-5.77	7.47	-0.51	-8.35	-0.36	-9.62	-1.10	-8.88	2.51
1	9	402	11.85	-4.80	7.86	-0.81	-7.11	-0.66	-9.31	-1.21	-8.75	2.12
1	9	403	11.44	-4.57	8.54	-1.67	-6.16	-1.15	-9.08	-1.61	-8.62	1.86
1	9	404	11.61	-5.11	9.26	-2.76	-5.81	-1.62	-8.94	-2.11	-8.45	1.84
1	9	405	42.48	0.71	41.05	2.14	-7.59	-6.22	-15.17	-10.77	-10.62	-4.47
1	9	406	49.33	-4.23	48.27	-3.17	7.45	20.49	-34.32	8.98	-22.80	22.32
1	9	407	26.00	-2.40	25.97	-2.37	-1.00	-2.17	-22.12	-2.72	-21.57	3.27
1	9	408	14.91	-9.09	12.71	-6.89	-6.93	-4.55	-15.07	-4.57	-15.05	0.40
1	9	409	17.07	-10.08	13.04	-6.05	-9.65	-3.36	-15.93	-4.13	-15.16	3.02
1	9	410	17.63	-8.65	12.80	-3.81	-10.19	-2.26	-15.62	-2.99	-14.89	3.03
1	9	411	17.35	-6.44	12.48	-1.57	-9.60	-1.36	-15.00	-1.99	-14.37	2.86
1	9	412	16.47	-4.43	12.52	-0.49	-8.18	-1.06	-14.49	-1.56	-14.00	2.54
1	9	413	15.78	-3.41	13.21	-0.85	-6.53	-1.82	-14.01	-1.82	-14.01	0.10
1	9	414	14.54	-2.73	14.43	-2.62	-1.37	-2.30	-14.31	-2.56	-14.05	-1.75
1	9	415	9.99	-38.39	8.45	-36.85	-8.49	3.61	-80.80	-12.14	-65.04	-32.89
1	9	417	38.79	-9.82	-8.41	37.38	-8.16	81.71	-3.44	12.22	66.05	-32.98
1	9	419	13.09	-14.80	12.94	-14.66	-2.03	-12.62	-56.88	-13.38	-56.12	-5.73
1	9	420	16.94	-19.44	-19.28	16.78	-2.39	67.58	15.03	15.20	67.41	-2.99
1	9	423	17.77	4.13e-02	14.55	3.26	-6.84	5.56	-29.74	-11.66	-12.52	-17.64
1	9	426	19.60	-16.77	19.44	-16.61	-2.44	-14.96	-65.73	-15.12	-65.57	-2.84
1	9	427	14.95	-12.95	-12.81	14.81	-1.98	58.40	12.74	13.49	57.65	-5.81
1	9	428	16.29	-7.32	13.16	-4.19	-8.01	-4.06	-16.04	-4.69	-15.41	2.67
1	9	429	15.69	-9.65	13.45	-7.40	-7.20	-5.13	-15.93	-5.48	-15.58	1.91
1	9	430	17.85	-13.68	16.43	-12.26	-6.53	-7.37	-20.48	-7.37	-20.48	0.23
1	9	431	19.79	-7.55	16.87	-4.63	-8.45	-5.75	-16.91	-5.75	-16.91	0.11
1	9	432	15.97	-4.81	12.78	-1.63	-7.49	-2.56	-15.93	-3.46	-15.03	3.34
1	9	433	19.54	-3.85	16.89	-1.20	-7.41	-3.65	-16.34	-4.74	-15.25	3.54
1	9	434	13.94	-1.65	12.91	-0.62	-3.88	-1.48	-16.64	-2.49	-15.63	3.77
1	9	435	17.52	0.17	17.39	0.30	-1.50	-1.61	-17.21	-3.42	-15.40	5.00
1	9	436	11.05	-22.76	-19.38	7.67	-10.14	27.96	-0.40	11.28	16.28	-13.96
1	9	437	7.43	-5.31	3.19	-1.07	-6.00	-1.26	-13.40	-3.26	-11.39	-4.51
1	9	438	14.59	-15.14	-14.32	13.77	-4.86	47.29	9.19	9.38	47.09	-2.73
1	9	439	13.09	-20.35	-18.77	11.51	-7.09	20.50	6.50	7.44	19.56	-3.50
1	9	440	6.46	-27.13	-24.47	3.81	-9.06	16.36	5.73	11.23	10.86	-5.32
1	9	441	6.61	-26.22	-23.38	3.77	-9.23	15.27	6.74	8.40	13.61	-3.38
1	9	442	-0.54	-31.25	-30.05	-1.74	-5.96	11.99	8.85	11.93	8.91	0.42
1	9	443	0.52	-23.68	-22.66	-0.50	-4.87	11.30	7.11	7.16	11.25	0.45
1	9	444	-2.51	-32.90	-32.80	-2.61	-1.73	16.60	3.12	10.97	8.76	6.65
1	9	445	-1.02	-23.81	-23.68	-1.15	-1.75	15.25	2.01	6.14	11.12	6.13
1	9	446	-1.92	-33.69	-33.69	-1.92	0.27	20.64	-2.03	8.62	9.99	11.31
1	9	447	-0.37	-25.22	-25.21	-0.38	-0.51	18.82	-2.28	3.71	12.83	9.51
1	9	448	3.62	-32.06	-31.36	2.92	4.96	25.48	-10.14	2.15	13.19	16.93
1	9	449	3.81	-29.57	-28.79	3.04	5.01	23.87	-5.48	0.94	17.46	12.13
1	9	450	6.45	-30.44	-29.01	5.02	7.11	35.79	-24.57	-10.58	21.79	25.47
1	9	451	10.96	-25.22	-25.12	10.86	1.91	31.62	-1.38	1.84	28.40	9.80
1	9	452	23.32	0.91	23.19	1.04	-1.74	-1.93	-15.27	-5.86	-11.34	6.08
1	9	453	24.03	-1.31	22.25	0.47	-6.48	-6.87	-11.51	-6.91	-11.47	0.45
1	9	454	31.19	0.46	29.94	1.71	-6.07	-9.10	-12.05	-11.99	-9.16	0.43
1	9	455	32.79	2.48	32.69	2.58	-1.74	-3.29	-16.73	-11.01	-9.01	6.64
1	9	456	14.51	-8.90	13.26	-7.65	-5.26	-5.26	-15.57	-5.39	-15.44	-1.16
1	9	457	17.88	-10.07	16.93	-9.11	-5.07	-7.48	-20.82	-7.49	-20.81	-0.44
1	9	458	13.69	-1.40	13.63	-1.34	-0.96	-1.30	-18.30	-2.15	-17.45	3.71
1	9	459	18.33	-0.86	18.29	-0.81	-0.93	-4.64e-02	-19.84	-2.17	-17.72	6.12
1	9	460	14.99	-4.03	14.97	-4.02	-0.57	-2.68	-20.63	-3.17	-20.14	2.94
1	9	461	20.07	-4.82	19.44	-4.19	3.92	-0.47	-24.08	-1.92	-22.62	5.67
1	9	462	10.20	-18.16	-17.22	9.27	-5.06	21.85	7.62	7.63	21.84	-0.44
1	9	463	14.02	-18.06	-16.68	12.63	-6.51	20.69	7.44	7.44	20.69	0.13
1	9	464	7.54	-20.05	-17.15	4.63	-8.47	16.86	5.85	5.85	16.86	9.46e-02
1	9	465	3.75	-19.78	-17.18	1.15	-7.38	16.24	3.76	4.86	15.14	3.54
1	9	466	-0.23	-17.85	-17.72	-0.36	-1.52	17.16	1.65	3.55	15.26	5.08
1	9	467	0.80	-18.66	-18.62	0.76	-0.91	19.86	-6.10e-02	2.22	17.58	6.34
1	9	468	4.79	-20.42	-19.80	4.18	3.89	24.17	0.22	1.84	22.56	6.01
1	9	469	13.34	-20.55	-20.53	13.32	-0.74	30.22	5.33	5.63	29.93	2.68
1	9	470	17.09	-8.83	16.41	-8.15	4.15	-5.16	-22.21	-5.38	-21.99	-1.93
1	9	471	20.23	-12.95	20.21	-12.94	-0.75	-5.48	-29.83	-5.73	-29.58	2.46
1	9	472	9.05	-14.76	-13.57	7.86	-5.19	15.93	5.39	5.52	15.81	-1.16
1	9	473	9.82	-15.95	-13.75	7.62	-7.20	16.26	5.26	5.60	15.92	1.90
1	9	474	7.38	-16.55	-13.45	4.28	-8.04	16.24	4.15	4.77	15.61	2.67
1	9	475	4.76	-16.21	-13.06	1.62	-7.49	16.07	2.63	3.53	15.16	3.37

1	9	476	0.69	-13.30	-13.19	0.58	-1.25	16.78	1.50	2.54	15.74	3.85
1	9	477	1.38	-13.99	-13.93	1.32	-0.95	18.51	1.25	2.15	17.61	3.84
1	9	478	4.27	-15.50	-15.31	4.09	1.90	20.98	2.62	3.15	20.45	3.06
1	9	479	8.99	-17.42	-16.78	8.35	4.07	22.58	5.42	5.46	22.54	-0.85
1	9	480	24.74	0.26	24.73	0.27	-0.54	2.18	-18.79	-3.51	-13.09	9.32
1	9	481	33.58	1.89	33.58	1.90	0.28	1.84	-20.78	-8.66	-10.28	11.28
1	9	482	29.08	-3.80	28.34	-3.05	4.89	5.10	-23.76	-0.86	-17.79	11.69
1	9	483	32.07	-3.50	31.33	-2.76	5.07	9.91	-25.60	-2.14	-13.54	16.81
1	9	484	7.00	-11.74	-9.71	4.97	-5.82	11.97	3.71	3.93	11.76	-1.33
1	9	485	7.61	-12.74	-9.89	4.76	-7.06	12.17	3.44	3.84	11.77	1.83
1	9	486	6.73	-13.20	-9.67	3.20	-7.61	12.63	2.68	3.32	11.99	2.44
1	9	487	5.28	-13.05	-9.38	1.61	-7.33	13.14	1.83	2.59	12.38	2.82
1	9	488	4.06	-12.57	-9.42	0.91	-6.51	13.78	1.31	2.03	13.06	2.90
1	9	489	1.54	-10.06	-9.99	1.47	-0.86	14.70	1.53	2.08	14.15	2.64
1	9	490	3.31	-11.04	-11.01	3.28	-0.63	15.27	2.80	2.89	15.18	-1.03
1	9	491	5.55	-12.21	-12.19	5.54	-0.44	15.95	3.77	4.07	15.64	-1.91
1	9	492	15.01	-14.48	14.18	-13.65	-4.90	-9.24	-45.62	-9.44	-45.42	-2.69
1	9	493	20.21	-13.08	18.64	-11.51	-7.05	-6.70	-20.44	-7.43	-19.71	-3.09
1	9	494	25.94	-6.60	23.10	-3.76	-9.19	-6.72	-15.30	-8.20	-13.82	-3.24
1	9	495	6.01	-9.11	-5.83	2.74	-6.23	7.63	1.99	2.34	7.28	-1.36
1	9	496	6.57	-9.89	-5.96	2.64	-7.02	7.56	2.11	2.27	7.40	0.92
1	9	497	6.33	-10.25	-5.85	1.93	-7.32	8.33	1.27	1.98	7.63	2.11
1	9	498	5.69	-10.24	-5.71	1.16	-7.18	8.77	0.85	1.61	8.00	2.34
1	9	499	4.95	-9.90	-5.76	0.80	-6.66	9.19	0.69	1.38	8.49	2.33
1	9	500	2.53	-7.50	-6.10	1.13	-3.48	9.12	1.35	1.49	8.99	-1.02
1	9	501	2.13	-6.75	-6.71	2.08	-0.65	9.84	1.42	1.93	9.33	-2.01
1	9	502	5.84	-10.02	-7.42	3.23	-5.88	9.95	2.01	2.51	9.46	-1.91
1	9	503	6.03	-7.16	-2.03	0.90	-6.43	3.32	7.08e-02	0.81	2.58	-1.36
1	9	504	6.57	-7.77	-2.08	0.87	-7.02	2.64	0.78	0.78	2.64	7.91e-02
1	9	505	6.64	-8.02	-2.05	0.66	-7.20	3.90	-0.47	0.69	2.74	1.93
1	9	506	6.42	-8.00	-2.01	0.43	-7.11	4.11	-0.66	0.57	2.88	2.08
1	9	507	5.99	-7.70	-2.03	0.32	-6.74	3.44	0.12	0.50	3.05	1.06
1	9	508	5.61	-7.32	-2.15	0.44	-6.33	4.27	-0.51	0.56	3.20	-1.99
1	9	509	5.52	-7.13	-2.36	0.74	-6.13	4.33	-0.34	0.71	3.29	-1.94
1	9	510	5.82	-7.31	-2.60	1.11	-6.30	4.37	-0.16	0.88	3.32	-1.91
1	9	511	7.04	-6.09	1.74	-0.79	-6.44	9.45e-02	-3.03	-0.70	-2.23	-1.36
1	9	512	7.64	-6.62	1.78	-0.76	-7.02	-0.68	-2.28	-0.68	-2.27	7.82e-02
1	9	513	7.89	-6.71	1.75	-0.57	-7.20	0.65	-3.58	-0.57	-2.36	1.92
1	9	514	7.86	-6.51	1.71	-0.36	-7.11	0.83	-3.78	-0.47	-2.48	2.07
1	9	515	7.55	-6.09	1.73	-0.27	-6.74	-1.54e-02	-3.05	-0.44	-2.63	1.06
1	9	516	7.17	-5.71	1.83	-0.37	-6.34	0.67	-3.90	-0.48	-2.75	-1.99
1	9	517	6.97	-5.60	2.01	-0.64	-6.14	0.52	-3.95	-0.61	-2.83	-1.94
1	9	518	7.13	-5.89	2.22	-0.97	-6.31	0.37	-3.98	-0.76	-2.85	-1.91
1	9	519	24.85	-11.07	24.76	-10.98	1.81	0.76	-31.42	-2.01	-28.64	9.03
1	9	520	8.93	-6.00	5.54	-2.61	-6.25	-1.87	-7.30	-2.23	-6.94	-1.36
1	9	521	9.70	-6.56	5.66	-2.51	-7.03	-2.00	-7.22	-2.16	-7.06	0.92
1	9	522	10.06	-6.34	5.56	-1.84	-7.32	-1.17	-7.99	-1.88	-7.28	2.09
1	9	523	10.04	-5.73	5.42	-1.11	-7.18	-0.76	-8.41	-1.54	-7.64	2.31
1	9	524	9.71	-5.02	5.46	-0.77	-6.68	-0.62	-8.81	-1.33	-8.10	2.30
1	9	525	7.24	-2.54	5.78	-1.08	-3.49	-1.29	-8.71	-1.43	-8.56	-1.02
1	9	526	6.41	-2.04	6.36	-1.99	-0.65	-1.31	-9.41	-1.85	-8.88	-2.00
1	9	527	9.76	-5.82	7.04	-3.09	-5.92	-1.87	-9.50	-2.38	-8.99	-1.91
1	9	528	30.36	-7.11	28.96	-5.72	7.10	24.18	-35.96	10.48	-22.26	25.22
1	9	529	11.51	-6.92	9.41	-4.82	-5.86	-3.59	-11.66	-3.82	-11.43	-1.33
1	9	530	12.51	-7.53	9.59	-4.60	-7.07	-3.32	-11.85	-3.73	-11.45	1.82
1	9	531	12.96	-6.69	9.37	-3.10	-7.59	-2.59	-12.33	-3.23	-11.69	2.41
1	9	532	12.82	-5.31	9.09	-1.58	-7.33	-1.77	-12.85	-2.52	-12.10	2.79
1	9	533	12.35	-4.13	9.13	-0.91	-6.54	-1.28	-13.48	-1.98	-12.77	2.85
1	9	534	9.75	-1.51	9.69	-1.45	-0.86	-1.88	-13.98	-2.06	-13.81	1.43
1	9	535	10.70	-3.22	10.67	-3.19	-0.63	-2.44	-15.15	-2.83	-14.75	-2.20
1	9	536	11.83	-5.40	11.82	-5.38	-0.45	-3.64	-15.47	-3.96	-15.15	-1.91
1	9	537	7.89	-5.96	4.60	-2.67	-5.89	-1.98	-12.86	-3.77	-11.08	-4.03
1	9	538	22.71	-11.57	19.33	-8.19	-10.23	0.16	-28.16	-11.37	-16.64	-13.91
1	9	539	27.21	-6.48	24.44	-3.71	-9.26	-5.94	-16.49	-11.31	-11.12	-5.27
1	9	540	13.16	-7.52	9.13	-3.49	-8.19	-4.63	-14.23	-5.20	-13.66	-2.27
1	9	541	11.98	-9.17	8.95	-6.14	-7.41	-5.05	-14.99	-5.83	-14.20	-2.68
1	9	542	12.93	-12.11	11.09	-10.27	-6.53	-6.45	-19.51	-7.64	-18.32	-3.76
1	9	543	15.48	-7.55	11.92	-3.99	-8.32	-5.22	-16.04	-6.33	-14.93	-3.29
1	9	544	13.29	-5.45	9.14	-1.30	-7.78	-3.77	-13.38	-4.26	-12.90	-2.11
1	9	545	15.72	-4.46	12.34	-1.08	-7.53	-4.68	-14.00	-5.60	-13.09	-2.77
1	9	546	12.98	-3.34	9.46	0.17	-6.71	-3.14	-13.31	-3.56	-12.89	-2.02
1	9	547	15.57	-1.92	13.05	0.60	-6.14	-3.97	-13.42	-4.65	-12.74	-2.45
1	9	548	11.89	-14.81	-13.10	10.18	-6.54	20.85	4.19	7.85	17.19	-6.90
1	9	549	6.51	-20.19	-17.07	3.39	-8.58	16.68	3.92	8.70	11.90	-6.18
1	9	550	1.47	-19.15	-16.98	-0.70	-6.33	12.64	4.87	7.85	9.66	-3.78
1	9	551	-0.42	-18.99	-18.26	-1.15	-3.62	9.89	6.47	7.12	9.24	-1.34
1	9	552	-0.61	-19.91	-19.85	-0.67	-1.07	13.10	2.35	5.17	10.28	4.73

1	9	553	1.66	-22.81	-22.81	1.66	0.23	16.82	0.58	3.76	13.63	6.45
1	9	554	7.05	-20.41	-20.41	7.05	0.28	22.96	2.93	3.95	21.94	4.40
1	9	555	18.61	0.31	17.85	1.07	-3.66	-6.31	-10.00	-6.88	-9.43	-1.33
1	9	556	18.90	-1.58	16.65	0.67	-6.41	-4.86	-12.62	-7.63	-9.85	-3.72
1	9	557	12.52	-2.82	10.15	-0.45	-5.54	-2.99	-14.10	-3.33	-13.77	-1.90
1	9	558	14.07	-0.13	13.97	-2.85e-02	-1.19	-3.78	-14.10	-3.80	-14.09	0.37
1	9	559	12.65	-3.76	11.21	-2.32	-4.64	-3.65	-15.40	-3.87	-15.17	-1.59
1	9	560	15.00	-2.39	14.96	-2.35	-0.84	-3.67	-17.26	-3.69	-17.24	0.52
1	9	561	12.37	-13.05	-11.27	10.58	-6.49	19.74	6.43	7.70	18.47	-3.91
1	9	562	7.52	-15.65	-12.13	3.99	-8.32	16.08	5.21	6.42	14.87	-3.42
1	9	563	3.89	-15.97	-12.57	0.48	-7.49	13.96	4.74	5.71	12.98	-2.83
1	9	564	1.79	-15.76	-13.32	-0.65	-6.07	13.34	4.05	4.77	12.62	-2.48
1	9	565	9.47e-02	-14.34	-14.24	-4.53e-03	-1.19	14.23	3.60	3.86	13.97	1.63
1	9	566	2.37	-15.29	-15.26	2.33	-0.82	17.40	3.45	3.67	17.19	1.71
1	9	567	9.41	-15.97	-15.68	9.11	-2.71	21.56	5.58	5.59	21.56	0.25
1	9	568	13.41	-6.41	12.39	-5.39	-4.39	-4.65	-15.94	-4.79	-15.79	-1.28
1	9	569	16.11	-9.55	15.42	-8.86	-4.16	-5.61	-21.29	-5.61	-21.29	0.16
1	9	570	9.29	-12.12	-9.16	6.33	-7.40	15.28	5.16	5.95	14.48	-2.72
1	9	571	7.54	-13.33	-9.34	3.56	-8.20	14.41	4.70	5.29	13.82	-2.31
1	9	572	5.40	-13.45	-9.34	1.29	-7.78	13.49	3.84	4.34	12.99	-2.14
1	9	573	3.26	-13.12	-9.67	-0.18	-6.67	13.39	3.20	3.63	12.96	-2.05
1	9	574	2.72	-12.68	-10.39	0.42	-5.49	14.23	3.02	3.37	13.88	-1.93
1	9	575	3.73	-12.84	-11.47	2.35	-4.57	15.62	3.67	3.90	15.40	-1.61
1	9	576	6.49	-13.64	-12.67	5.52	-4.31	16.30	4.73	4.87	16.15	-1.27
1	9	577	19.49	0.55	19.43	0.61	-1.08	-2.36	-13.11	-4.98	-10.49	4.62
1	9	578	22.39	-1.66	22.39	-1.66	0.12	-0.79	-16.77	-3.68	-13.88	6.14
1	9	579	7.84	-10.43	-6.46	3.87	-7.54	11.65	3.30	4.17	10.79	-2.54
1	9	580	7.23	-11.25	-6.60	2.59	-8.02	11.21	3.22	3.77	10.65	-2.03
1	9	581	5.98	-11.37	-6.60	1.21	-7.75	11.04	2.77	3.21	10.60	-1.85
1	9	582	4.55	-11.04	-6.78	0.29	-6.95	11.13	2.39	2.78	10.74	-1.80
1	9	583	3.86	-10.53	-7.31	0.64	-6.00	11.48	2.41	2.74	11.15	-1.71
1	9	584	4.19	-10.42	-8.14	1.91	-5.31	11.80	2.82	3.08	11.53	-1.53
1	9	585	5.54	-10.90	-9.05	3.69	-5.19	11.87	3.37	3.57	11.66	-1.32
1	9	586	14.66	-11.88	12.94	-10.16	-6.53	-4.55	-20.65	-7.85	-17.35	-6.50
1	9	587	19.97	-6.53	16.83	-3.39	-8.56	-4.06	-16.56	-8.53	-12.09	-5.99
1	9	588	7.37	-9.09	-3.83	2.11	-7.68	7.92	1.38	2.49	6.81	-2.46
1	9	589	7.14	-9.56	-3.95	1.53	-7.89	7.53	1.52	2.28	6.78	-1.99
1	9	590	6.49	-9.61	-3.97	0.85	-7.68	7.42	1.41	1.99	6.84	-1.77
1	9	591	5.51	-9.33	-4.09	0.27	-7.09	7.48	1.29	1.79	6.98	-1.69
1	9	592	4.94	-8.79	-4.42	0.56	-6.40	7.56	1.34	1.78	7.12	-1.61
1	9	593	4.82	-8.50	-4.91	1.24	-5.91	7.59	1.57	1.96	7.21	-1.47
1	9	594	5.31	-8.63	-5.45	2.12	-5.86	7.58	1.87	2.20	7.26	-1.33
1	9	595	7.51	-8.15	-1.32	0.68	-7.77	4.20	-0.91	0.86	2.43	-2.43
1	9	596	7.46	-8.33	-1.37	0.51	-7.84	3.77	-0.55	0.79	2.43	-2.00
1	9	597	7.13	-8.23	-1.39	0.29	-7.64	3.55	-0.39	0.71	2.46	-1.76
1	9	598	6.57	-7.84	-1.43	0.16	-7.16	3.47	-0.32	0.65	2.50	-1.65
1	9	599	6.01	-7.33	-1.55	0.22	-6.61	3.41	-0.23	0.64	2.54	-1.55
1	9	600	5.69	-6.96	-1.72	0.44	-6.23	3.34	-7.78e-02	0.70	2.56	-1.43
1	9	601	5.73	-6.92	-1.90	0.71	-6.19	3.27	7.17e-02	0.77	2.57	-1.32
1	9	602	8.09	-7.55	1.13	-0.60	-7.77	1.09	-3.95	-0.76	-2.10	-2.43
1	9	603	8.25	-7.51	1.18	-0.44	-7.84	0.72	-3.52	-0.70	-2.10	-2.00
1	9	604	8.14	-7.20	1.19	-0.25	-7.64	0.54	-3.29	-0.62	-2.13	-1.76
1	9	605	7.74	-6.65	1.23	-0.14	-7.16	0.46	-3.20	-0.57	-2.17	-1.65
1	9	606	7.23	-6.10	1.32	-0.19	-6.62	0.37	-3.14	-0.56	-2.20	-1.55
1	9	607	6.86	-5.77	1.47	-0.38	-6.25	0.23	-3.05	-0.61	-2.22	-1.43
1	9	608	6.80	-5.80	1.63	-0.63	-6.20	8.60e-02	-2.98	-0.67	-2.22	-1.32
1	9	609	19.99	-7.18	19.99	-7.18	0.20	-3.48	-22.88	-4.29	-22.07	3.88
1	9	610	9.01	-7.38	3.63	-2.01	-7.69	-1.23	-7.65	-2.38	-6.50	-2.46
1	9	611	9.45	-7.16	3.75	-1.46	-7.89	-1.39	-7.26	-2.18	-6.48	-1.99
1	9	612	9.49	-6.54	3.77	-0.82	-7.68	-1.31	-7.14	-1.91	-6.54	-1.77
1	9	613	9.21	-5.59	3.89	-0.28	-7.10	-1.20	-7.19	-1.72	-6.67	-1.69
1	9	614	8.69	-4.99	4.19	-0.50	-6.42	-1.25	-7.26	-1.71	-6.80	-1.60
1	9	615	8.37	-4.89	4.67	-1.18	-5.95	-1.48	-7.28	-1.87	-6.88	-1.46
1	9	616	8.48	-5.33	5.17	-2.03	-5.89	-1.76	-7.26	-2.10	-6.92	-1.33
1	9	617	10.31	-7.80	6.25	-3.74	-7.55	-3.18	-11.38	-4.05	-10.51	-2.53
1	9	618	11.11	-7.22	6.40	-2.51	-8.01	-3.11	-10.95	-3.67	-10.39	-2.02
1	9	619	11.24	-6.03	6.40	-1.19	-7.75	-2.69	-10.81	-3.13	-10.37	-1.84
1	9	620	10.91	-4.63	6.57	-0.30	-6.97	-2.33	-10.90	-2.72	-10.51	-1.79
1	9	621	10.40	-3.95	7.09	-0.64	-6.04	-2.35	-11.23	-2.69	-10.90	-1.70
1	9	622	10.26	-4.24	7.89	-1.87	-5.36	-2.74	-11.50	-3.01	-11.23	-1.52
1	9	623	10.71	-5.51	8.77	-3.58	-5.26	-3.27	-11.55	-3.48	-11.34	-1.32
1	9	624	7.03	-12.20	-1.40	-3.77	-9.54	-0.99	-21.09	-3.45	-18.63	-6.58
1	9	625	4.67	-15.69	-0.93	-10.09	-9.09	-1.24	-23.49	-3.14	-21.59	-6.21
1	9	626	2.81	-16.91	-2.31	-11.79	-8.65	-0.49	-30.26	-4.18	-26.57	-9.81
1	9	627	6.40	-10.83	-1.11	-3.32	-8.54	0.40	-24.66	-4.34	-19.92	-9.82
1	9	628	8.18	-8.47	-0.43	0.13	-8.32	-0.84	-18.66	-3.40	-16.10	-6.25
1	9	629	8.07	-5.48	1.03	1.55	-6.77	-0.39	-20.59	-4.82	-16.16	-8.36

1	9	630	8.02	-5.56	1.24	1.22	-6.79	-1.11	-17.06	-3.44	-14.73	-5.63
1	9	631	7.93	-2.73	3.52	1.69	-5.25	-1.68	-17.68	-4.87	-14.49	-6.39
1	9	632	15.16	-2.48	2.03	10.65	-7.69	32.67	-6.31	3.88	22.48	-17.13
1	9	633	4.85	-6.75	-3.22	1.31	-5.34	26.60	-4.38	6.89	15.33	-14.90
1	9	634	0.19	-8.19	-6.20	-1.81	-3.57	20.69	-1.18	7.67	11.84	-10.73
1	9	635	-0.88	-9.52	-8.65	-1.75	-2.61	16.22	2.13	7.85	10.51	-6.92
1	9	636	-0.97	-10.59	-10.54	-1.02	-0.70	12.85	4.49	6.60	10.73	-3.63
1	9	637	1.28	-13.32	-13.32	1.28	0.10	13.24	5.26	5.40	13.11	-1.02
1	9	638	6.34	-12.26	-12.26	6.34	0.10	19.85	5.42	5.50	19.78	-1.02
1	9	639	9.16	0.76	8.20	1.71	-2.67	-2.08	-16.22	-7.58	-10.72	-6.89
1	9	640	7.87	-0.44	5.70	1.74	-3.65	1.13	-20.61	-7.40	-12.08	-10.61
1	9	641	7.41	-3.80	3.08	0.53	-5.46	-1.71	-16.51	-3.69	-14.52	-5.04
1	9	642	8.00	-1.57	5.68	0.75	-4.10	-2.79	-16.54	-4.64	-14.70	-4.68
1	9	643	7.41	-3.81	5.04	-1.43	-4.58	-2.63	-16.82	-4.41	-15.04	-4.70
1	9	644	8.66	-2.67	7.59	-1.61	-3.31	-3.58	-17.88	-4.78	-16.68	-3.97
1	9	645	16.94	-2.79	2.28	11.87	-8.62	30.59	0.30	4.23	26.66	-10.18
1	9	646	10.65	-6.40	1.00	3.25	-8.45	24.82	-0.58	4.43	19.80	-10.11
1	9	647	5.17	-8.12	-1.35	-1.60	-6.64	20.64	0.32	4.95	16.01	-8.52
1	9	648	2.49	-7.96	-3.75	-1.72	-5.13	17.63	1.72	5.01	14.34	-6.44
1	9	649	1.43	-8.09	-5.91	-0.76	-4.01	16.40	2.89	4.73	14.57	-4.63
1	9	650	2.61	-8.80	-7.81	1.62	-3.22	17.75	3.67	4.80	16.62	-3.84
1	9	651	8.19	-9.82	-9.06	7.43	-3.61	20.97	5.36	6.45	19.88	-3.98
1	9	652	8.49	-5.84	6.86	-4.21	-4.56	-3.60	-16.76	-5.28	-15.08	-4.39
1	9	653	9.70	-8.00	8.88	-7.19	-3.71	-5.28	-20.83	-6.44	-19.67	-4.09
1	9	654	15.82	-4.65	0.94	10.23	-9.12	23.95	1.24	3.20	21.99	-6.38
1	9	655	12.16	-7.00	1.40	3.76	-9.51	21.38	0.95	3.50	18.83	-6.75
1	9	656	8.09	-8.40	0.38	-0.69	-8.23	18.85	0.83	3.47	16.20	-6.37
1	9	657	5.38	-7.97	-1.34	-1.26	-6.67	17.17	1.15	3.52	14.81	-5.68
1	9	658	3.62	-7.39	-3.22	-0.54	-5.34	16.60	1.78	3.75	14.63	-5.03
1	9	659	3.71	-7.44	-5.20	1.48	-4.46	16.97	2.71	4.46	15.23	-4.68
1	9	660	5.87	-8.58	-7.05	4.34	-4.45	17.04	3.72	5.37	15.39	-4.38
1	9	661	10.23	0.93	10.18	0.99	-0.72	-4.32	-13.00	-6.38	-10.95	-3.69
1	9	662	13.01	-1.26	13.01	-1.26	2.71e-03	-5.14	-13.51	-5.30	-13.35	-1.14
1	9	663	13.58	-5.18	0.58	7.82	-8.65	17.42	0.62	2.14	15.90	-4.82
1	9	664	12.08	-7.60	1.04	3.44	-9.77	16.45	0.65	2.53	14.57	-5.11
1	9	665	10.01	-8.35	0.65	1.01	-9.18	15.31	0.49	2.51	13.29	-5.09
1	9	666	7.41	-8.50	-0.34	-0.75	-7.95	14.45	0.46	2.55	12.36	-4.99
1	9	667	5.68	-7.83	-1.77	-0.38	-6.72	13.99	0.77	2.84	11.92	-4.80
1	9	668	5.20	-7.41	-3.32	1.11	-5.90	13.66	1.36	3.34	11.67	-4.52
1	9	669	5.92	-7.92	-4.77	2.76	-5.80	13.14	2.10	3.87	11.37	-4.05
1	9	670	2.22	-15.33	-2.18	-10.92	-7.61	5.75	-32.38	-3.80	-22.83	-16.52
1	9	671	6.42	-5.04	2.74	-1.35	-5.35	4.15	-26.42	-6.66	-15.61	-14.61
1	9	672	11.13	-5.91	0.38	4.85	-8.22	11.34	-0.34	1.25	9.75	-4.01
1	9	673	11.28	-8.27	0.63	2.37	-9.73	11.14	-0.46	1.53	9.15	-4.37
1	9	674	10.27	-9.04	0.46	0.77	-9.65	10.72	-0.58	1.57	8.58	-4.43
1	9	675	8.58	-9.03	-6.62e-02	-0.39	-8.81	10.38	-0.68	1.61	8.09	-4.48
1	9	676	7.34	-8.26	-0.90	-2.45e-02	-7.79	10.07	-0.58	1.78	7.70	-4.43
1	9	677	6.58	-7.73	-1.84	0.69	-7.04	9.71	-0.24	2.06	7.40	-4.20
1	9	678	6.54	-7.75	-2.74	1.53	-6.82	9.22	0.29	2.35	7.16	-3.77
1	9	679	8.96	-7.15	0.10	1.71	-8.01	5.86	-2.05	0.38	3.43	-3.65
1	9	680	10.22	-9.16	0.19	0.87	-9.68	6.15	-2.45	0.46	3.24	-4.07
1	9	681	10.10	-9.61	0.18	0.31	-9.85	6.13	-2.59	0.47	3.07	-4.16
1	9	682	9.16	-9.30	-7.27e-03	-0.13	-9.23	6.10	-2.70	0.48	2.91	-4.23
1	9	683	8.20	-8.51	-0.29	-2.35e-02	-8.35	6.01	-2.66	0.58	2.77	-4.19
1	9	684	7.47	-7.85	-0.62	0.23	-7.65	5.79	-2.42	0.73	2.65	-3.99
1	9	685	7.17	-7.60	-0.93	0.50	-7.35	5.39	-2.02	0.82	2.55	-3.60
1	9	686	7.25	-8.82	-9.23e-02	-1.48	-8.01	2.21	-5.53	-0.34	-2.98	-3.64
1	9	687	9.22	-10.15	-0.17	-0.76	-9.68	2.62	-5.85	-0.41	-2.82	-4.06
1	9	688	9.64	-10.09	-0.16	-0.29	-9.86	2.75	-5.85	-0.43	-2.67	-4.15
1	9	689	9.30	-9.19	5.23e-04	0.12	-9.25	2.86	-5.84	-0.45	-2.53	-4.22
1	9	690	8.51	-8.24	0.24	2.52e-02	-8.37	2.82	-5.76	-0.53	-2.40	-4.19
1	9	691	7.84	-7.52	0.53	-0.20	-7.67	2.60	-5.54	-0.64	-2.30	-3.98
1	9	692	7.57	-7.21	0.80	-0.44	-7.37	2.21	-5.14	-0.72	-2.21	-3.60
1	9	693	12.02	-6.39	12.02	-6.39	2.60e-02	-5.59	-20.04	-5.73	-19.89	-1.45
1	9	694	5.98	-10.97	-0.36	-4.63	-8.20	0.42	-10.93	-1.20	-9.31	-3.97
1	9	695	8.33	-11.21	-0.61	-2.28	-9.73	0.55	-10.77	-1.47	-8.74	-4.34
1	9	696	9.09	-10.28	-0.45	-0.74	-9.68	0.67	-10.39	-1.51	-8.21	-4.40
1	9	697	9.06	-8.65	5.04e-02	0.36	-8.86	0.78	-10.08	-1.55	-7.74	-4.46
1	9	698	8.29	-7.43	0.84	2.27e-02	-7.85	0.69	-9.78	-1.71	-7.37	-4.41
1	9	699	7.75	-6.67	1.74	-0.66	-7.11	0.37	-9.42	-1.98	-7.08	-4.18
1	9	700	7.74	-6.60	2.59	-1.46	-6.88	-0.15	-8.94	-2.25	-6.84	-3.75
1	9	701	5.17	-13.43	-0.63	-7.63	-8.62	-0.57	-16.97	-2.08	-15.47	-4.74
1	9	702	7.65	-12.05	-1.01	-3.39	-9.78	-0.61	-16.08	-2.47	-14.22	-5.03
1	9	703	8.41	-10.06	-0.65	-0.99	-9.23	-0.45	-15.02	-2.46	-13.01	-5.02
1	9	704	8.55	-7.53	0.30	0.71	-8.04	-0.40	-14.21	-2.49	-12.12	-4.95
1	9	705	7.87	-5.83	1.68	0.37	-6.82	-0.70	-13.75	-2.78	-11.67	-4.78
1	9	706	10.79	-18.26	-15.13	7.65	-9.01	28.77	-3.39	11.35	14.03	-16.02

1	9	707	12.87	-9.65	-8.77	12.00	-4.36	41.84	8.63	9.71	40.76	-5.89
1	9	708	6.31	-21.44	-18.63	3.50	-8.37	18.76	2.03	11.33	9.46	-8.32
1	9	709	-0.18	-24.52	-23.09	-1.60	-5.72	14.75	4.99	12.06	7.68	-4.37
1	9	710	-2.12	-25.80	-25.69	-2.23	-1.62	11.31	7.30	11.27	7.33	0.35
1	9	711	-1.79	-27.07	-27.05	-1.80	-0.62	14.68	2.62	9.26	8.04	6.00
1	9	712	2.09	-26.83	-26.30	1.56	3.88	18.69	-2.30	6.08	10.31	10.28
1	9	713	3.41	-26.51	-25.69	2.59	4.88	26.59	-15.90	-6.97	17.66	17.31
1	9	714	24.50	9.84e-02	23.01	1.58	-5.84	-5.16	-14.85	-12.12	-7.90	-4.36
1	9	715	25.72	2.11	25.61	2.22	-1.62	-7.51	-11.35	-11.32	-7.54	0.35
1	9	716	10.15	-8.14	8.25	-6.24	-5.59	-4.45	-15.78	-5.78	-14.46	-3.64
1	9	717	12.07	-9.04	10.83	-7.80	-4.96	-6.58	-20.27	-7.88	-18.98	-4.00
1	9	718	9.16	-12.24	-11.03	7.95	-4.93	21.08	6.76	8.01	19.83	-4.05
1	9	719	8.24	-10.28	-8.46	6.42	-5.51	16.08	4.59	5.91	14.76	-3.67
1	9	720	26.98	1.79	26.97	1.80	-0.61	-2.78	-14.79	-9.29	-8.28	5.98
1	9	721	26.82	-2.03	26.27	-1.48	3.95	2.08	-18.78	-6.12	-10.58	10.19
1	9	722	7.13	-9.04	-5.87	3.96	-6.43	12.49	2.86	4.22	11.13	-3.36
1	9	723	9.59	-12.78	8.67	-11.86	-4.42	-8.64	-40.46	-9.74	-39.37	-5.79
1	9	724	6.94	-8.24	-3.43	2.13	-7.06	8.60	0.88	2.52	6.95	-3.16
1	9	725	7.21	-7.70	-1.18	0.69	-7.39	4.83	-1.49	0.87	2.47	-3.06
1	9	726	7.65	-7.25	1.01	-0.60	-7.41	1.68	-4.59	-0.76	-2.14	-3.06
1	9	727	8.19	-6.96	3.25	-2.03	-7.10	-0.73	-8.32	-2.41	-6.64	-3.15
1	9	728	26.44	-3.84	25.64	-3.04	4.88	15.67	-26.70	6.91	-17.94	17.16
1	9	729	8.96	-7.11	5.67	-3.82	-6.48	-2.73	-12.22	-4.10	-10.84	-3.34
1	9	730	18.25	-11.21	15.10	-8.06	-9.10	3.15	-28.94	-11.42	-14.37	-15.98
1	9	731	21.53	-6.37	18.61	-3.44	-8.55	-2.23	-18.87	-11.41	-9.69	-8.27
1	9	732	11.93	-16.58	-12.26	7.61	-10.22	37.66	-19.68	1.08	16.90	-27.56
1	9	733	16.53	-12.48	12.18	-8.13	-10.36	19.36	-37.93	-1.13	-17.43	-27.46
1	9	734	36.58	7.79	8.44	35.93	-4.25	58.70	3.19	8.36	53.53	-16.15
1	9	735	-2.67	-15.29	-14.61	-3.35	-2.86	29.57	-5.79	11.58	12.20	-17.68
1	9	736	-2.82	-15.89	-15.72	-2.98	-1.45	23.11	-0.92	12.78	9.41	-11.90
1	9	737	-2.48	-16.45	-16.40	-2.53	-0.80	17.84	3.07	12.57	8.34	-7.07
1	9	738	-1.85	-16.82	-16.82	-1.85	-0.15	13.16	6.40	11.12	8.45	-3.11
1	9	739	1.94	-16.52	-15.90	1.32	3.32	12.64	5.06	7.63	10.07	3.59
1	9	740	4.16	-15.95	-15.10	3.32	4.03	20.33	-7.54	-3.36	16.15	9.95
1	9	741	15.88	2.85	15.70	3.02	-1.49	0.73	-23.26	-12.86	-9.68	-11.89
1	9	742	16.43	2.53	16.38	2.57	-0.81	-3.24	-17.97	-12.63	-8.58	-7.08
1	9	743	1.17	-23.46	-1.96	-20.33	-8.21	-1.48	-25.71	-3.02	-24.17	-5.91
1	9	744	-1.60	-30.84	-4.71	-27.73	-9.01	-2.53	-36.38	-5.15	-33.76	-9.05
1	9	745	31.36	1.72	4.80	28.28	-9.04	37.48	2.59	5.33	34.75	-9.38
1	9	746	23.95	-1.09	2.03	20.84	-8.27	26.35	1.54	3.12	24.77	-6.08
1	9	747	16.79	1.87	16.79	1.87	-0.15	-6.58	-13.29	-11.17	-8.69	-3.12
1	9	748	16.55	-1.88	15.91	-1.24	3.38	-5.24	-12.77	-7.67	-10.33	3.52
1	9	749	17.46	-2.00	1.14	14.33	-7.15	18.68	0.83	1.97	17.54	-4.36
1	9	750	-7.72	-36.05	-8.37	-35.40	-4.22	-3.35	-57.22	-8.18	-52.39	-15.39
1	9	751	12.26	-3.09	0.70	8.47	-6.62	11.76	-2.38e-04	1.11	10.64	-3.44
1	9	752	8.10	-4.97	0.21	2.92	-6.39	5.50	-1.43	0.35	3.72	-3.03
1	9	753	5.14	-7.84	-0.18	-2.52	-6.38	1.58	-5.12	-0.31	-3.23	-3.01
1	9	754	3.19	-11.92	-0.67	-8.05	-6.59	6.62e-02	-11.29	-1.07	-10.16	-3.40
1	9	755	15.93	-4.51	15.10	-3.68	4.03	7.36	-20.46	3.31	-16.40	9.81
1	9	756	2.07	-17.04	-1.09	-13.88	-7.11	-0.78	-18.17	-1.90	-17.05	-4.28

M_G	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
		-93.55	-54.98	-91.93	-19.44		-168.48	-20.12	-143.70	-57.21
	95.83		54.52	90.42	22.84	155.05		20.08	133.48	66.36

VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A.

LEGENDA TABELLA VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A.

In tabella vengono riportati per ogni elemento il numero identificativo ed il codice di verifica con le sigle **Ok** o **NV**.

Nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite (**S.L.**) vengono riportati: il rapporto x/d, le verifiche per sollecitazioni proporzionali e la verifica per compressione media con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.

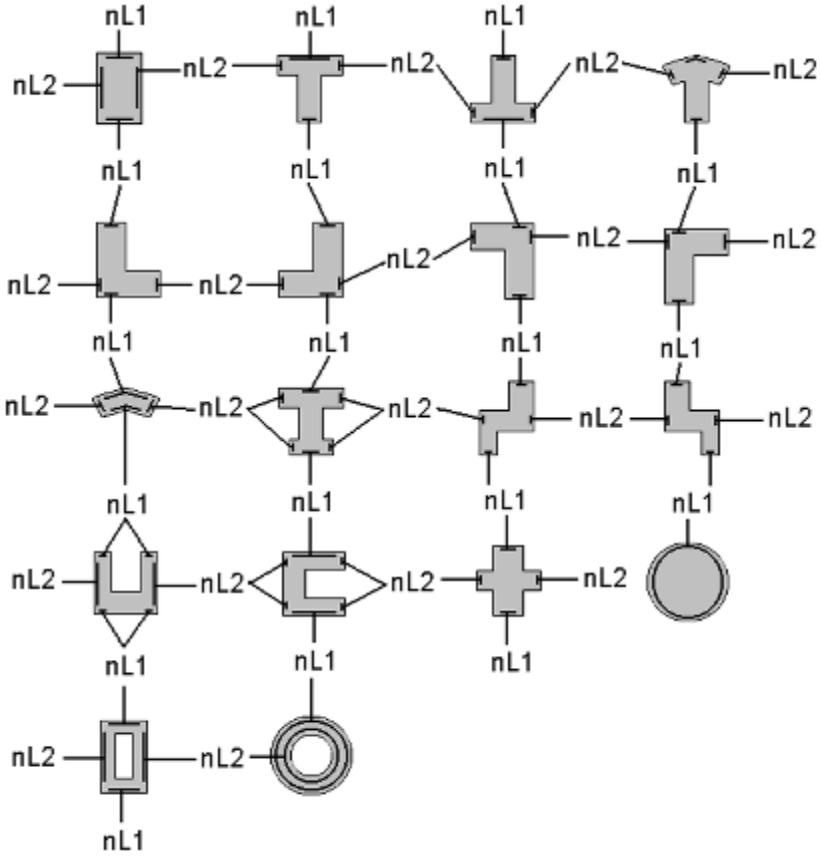
Nel caso in cui si sia proceduto alla progettazione con le tensioni ammissibili (**T.A.**) vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima compressione media nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale) con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.

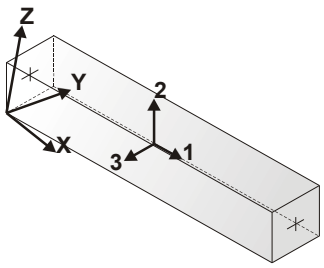
Nel caso in cui la struttura abbia comportamento dissipativo e sia prevista la progettazione con il criterio della gerarchia delle resistenze **(G.R.)** vengono riportate le verifiche di sovraresistenza e del nodo.

Per gli elementi tipo pilastro sono riportati numero e diametro dei ferri di vertice, numero e diametro di ferri disposti lungo i lati L1 (paralleli alla base della sezione) e lungo i lati L2 (paralleli all'altezza della sezione).

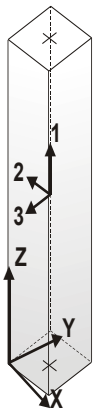
Per gli elementi tipo trave sono riportati infine le quantità di armatura inferiore e superiore.

Schema della distribuzione delle armature longitudinali





Orientamento elementi 2D non verticali



Orientamento elementi 2D verticali

PROGETTAZIONE DELLE FONDAZIONI

Il D.M.17/01/2018 - par: 7.2.5 prevede:

"Sia per CD"A" sia per CD"B" il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:

- quella derivante dall'analisi strutturale eseguita ipotizzando comportamento strutturale non dissipativo;
- […];
- quella trasferita dagli elementi soprastanti nell'ipotesi di comportamento strutturale dissipativo, amplificata di un coefficiente pari a 1,30 in CD"A" e 1,10 in CD"B";

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

La progettazione degli elementi strutturali con proprietà fondazione è effettuata da PRO_SAP (per travi e platee) o da PRO_CAD Plinti (per plinti e pali di fondazione) incrementando la componente sismica delle combinazioni di un coefficiente pari 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.
Per i bicchieri dei plinti di fondazione prefabbricati l'incremento delle sollecitazioni ha un fattore pari a 1.2 in CDB e 1.35 in CDA.

N.B.: nel caso di comportamento strutturale non dissipativo la progettazione viene effettuata senza nessun incremento.

Le verifiche geotecniche di pali, plinti, plinti su pali, travi e platee vengono eseguita dal modulo geotecnico incrementando automaticamente le componenti sismiche delle sollecitazioni del fattore 1.1 in CDB e 1.3 in CDA

N.B.: nel caso di comportamento strutturale non dissipativo le verifiche geotecniche vengono effettuate senza nessun incremento.

Simbologia adottata nelle tabelle di verifica

Per le verifiche agli S.L. dei pilastri è presente una tabella con i simboli di seguito descritti:

M_P X Y	Numero della pilastrata (P) e posizione in pianta (X,Y)
Pilas.	numero identificativo dell'elemento D2
Note	Codici identificativi delle sezione (s) e materiale (m) pilastro
Stato	Codici relativi all'esito delle verifiche effettuate appresso descritte
Quota	Quota sezione di verifica
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
r. snell.	Rapporto di snellezza λ su λ^*: valore superiore a 1 per elementi snelli nel caso in cui viene effettuata la verifica con il metodo diretto dello stato di equilibrio
Armat. long.	Numero e diametro (d) dei ferri di armatura longitudinale distinti in ferri di vertice + ferri di lato nelle posizioni nL1 e nL2, come da schemi in figura precedente
V N/M	Verifica a pressoflessione con rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
V N sis	Verifica a compressione solo calcestruzzo con rapporto Nsd/Nrd ed Nrd calcolato come al punto 7.4.4.2.1: valore minore o uguale a 1 per verifica positiva
Staffe	Dati tratto di staffatura oggetto di verifica, nello specifico: numero delle braccia, diametro, passo, lunghezza L tratto
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il pilastro

Per le verifiche di gerarchia delle resistenze dei pilastri è presente una tabella con i simboli di seguito descritti:

Pilas.	numero identificativo dell'elemento D2 pilastro

sovr. Xi (Xf)	Verifica sovraresistenza come da formula 7.4.4 in direzione X, alla base (i) ed alla sommità (f): rapporto tra i momenti resistenti dei pilastri e delle travi. La verifica è positiva se maggiore del γ_{Rd} adottato
sovr. Yi (Yf)	Verifica sovraresistenza come da formula 7.4.4 in direzione Y, alla base (i) ed alla sommità (f): rapporto tra i momenti resistenti dei pilastri e delle travi. La verifica è positiva se maggiore del γ_{Rd} adottato
M 2-2 i (f)	Valore del momento resistente 2-2 alla base (i) ed alla sommità (f) con massimo momento in presenza dello sforzo normale di calcolo
M 3-3 i (f)	Valore del momento resistente 3-3 alla base (i) ed alla sommità (f) con massimo momento in presenza dello sforzo normale di calcolo
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M2-2 (M3-3)	Valore del taglio generato dai momenti resistenti 2-2 (3-3)

Per le verifiche dei dettagli costruttivi relativi alla duttilità è presente una tabella con i simboli di seguito descritti: (Non presente nel caso di comportamento strutturale non dissipativo)

Pilas	Numero identificativo D2 pilastro
ni	Sforzo assiale adimensionalizzato di progetto relativo alla combinazione sismica SLV
alfaomega	Prodotto tra il coefficiente di efficacia del confinamento e il rapporto meccanico dell'armatura trasversale di confinamento all'interno del nodo
V.7.4.29 2-2 (3-3)	Rapporto tra la domanda di staffe minima nel nodo e il rapporto meccanico dell'armatura trasversale di confinamento inserito all'interno del nodo in direzione 2 (3)
V. 7.4.29 Stato	Codici relativi all'esito della verifica 7.4.29
dmu_fi 2-2 (3-3)	Domanda in duttilità di curvatura in direzione 2 (3)
cmu_fi 2-2 (3-3)	Capacità in duttilità di curvatura in direzione 2 (3)
V. dutt. 2-2 (3-3)	Rapporto tra la domanda in duttilità di curvatura e la capacità in duttilità di curvatura in direzione 2 (3)

Per le verifiche dei nodi trave-pilastro di elementi nuovi è presente una tabella con i simboli di seguito descritti:

Nodo	Numero identificativo del nodo trave-pilastro
Stato	Esito delle verifiche
Pilastro	Numero identificativo D2 pilastro
Diam st	Diametro staffe nodo
Passo	Passo staffe nodo
n. br. 2 (3)	Numero braccia staffe per il taglio in direzione 2 (3)
Bj2 (3)	Larghezza effettiva del nodo per il taglio in direzione 2 (3)
Hjc2 (3)	Distanza tra le giaciture più esterne delle armature del pilastro per il taglio in direzione 2 (3)
V. 7.4.8	Rapporto tra il taglio Vjbd e il taglio resistente come da formula 7.4.8
V. Ash	Rapporto tra il passo staffe calcolato secondo il capitolo 7.4.4.3.1. e il passo staffe effattivamente inserita nel nodo. Nel caso di valore indica passo staffe utilizzato deriva dalle formule presenti nel paragrafo 7.4.4.3.1. Nel caso di valore minore di 1 il passo staffe utilizzato deriva del pilastro superiore o inferiore al nodo
7.4.10	Check passo staffe valutato in funzione della formula 7.4.10: • SI il passo staffe è calcolato utilizzando la formula 7.4.10; • NO il passo staffe è calcolato utilizzando le formule 7.4.11 e/o 7.4.12; • NR calcolo passo staffe non richiesto;
Rif. comb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il nodo

Per le verifiche dei nodi trave-pilastro di elementi esistenti è presente una tabella con i simboli di seguito descritti:

Pilastro I	Numero identificativo D2 del pilastro inferiore.
Pilastro S	Numero identificativo D2 del pilastro superiore.
Nodo	Numero identificativo del nodo trave-pilastro.
SL cod	Stato limite di riferimento e relativo esito delle verifiche.
ver. (+)	Coefficiente di sicurezza, calcolato come rapporto D/C, nei riguardi della verifica di resistenza a trazione
V +	Azione di Taglio presente al di sopra del nodo nella verifica di resistenza a trazione
V + af s	Sollecitazione di trazione presente nell' armatura longitudinale superiore della trave nella verifica di resistenza a trazione
N +	Azione Assiale presente al di sopra del nodo nella verifica di resistenza a trazione
ver. (-)	Coefficiente di sicurezza, calcolato come rapporto D/C, nei riguardi della verifica di resistenza a compressione
V -	Azione di Taglio presente al di sopra del nodo nella verifica di resistenza a compressione
V - af s	Sollecitazione di trazione presente nell' armatura longitudinale superiore della trave nella verifica di resistenza a compressione
N -	Azione Assiale presente al di sopra del nodo nella verifica di resistenza a compressione
AreaV2	Area resistente del nodo in direzione 2 ($A_{j2}=b_{j2}*h_{jc2}$).
AreaV3	Area resistente del nodo in direzione 3 ($A_{j3}=b_{j3}*h_{jc3}$).
Rif. comb.	Combinazione (direzione) di riferimento nella verifica di trazione.

Per le verifiche agli S.L. delle travi è presente una tabella con i simboli di seguito descritti:

M_T Z P P	Numero della travata (T), quota media (Z), n° pilastrata iniziale (P) e finale (P) (nodo in assenza di pilastrata)
Trave	numero identificativo dell'elemento D2
Note	Codici identificativi sezione (s) e materiale (m) trave; sono inoltre presenti le sigle relative all'esito delle verifiche effettuate appresso descritte
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
Af inf.	Area di armatura longitudinale posta all'intradosso
Af sup	Area di armatura longitudinale posta all'estradosso
Af long.	Area complessiva armatura longitudinale
x/d	rapporto tra posizione dell'asse neutro e altezza utile
V N/M	Verifica a pressoflessione rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
Staffe	Dati tratto di staffatura oggetto di verifica, nello specifico: numero delle braccia, diametro, passo, lunghezza L tratto
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per la trave

Per le verifiche di gerarchia delle resistenze delle travi è presente una tabella con i simboli di seguito descritti:

Trave	numero identificativo dell'elemento D2 trave
M negativo i (f)	Valore del momento resistente negativo all' estremità iniziale i (finale f) della trave
M positivo i (f)	Valore del momento resistente positivo all' estremità iniziale i (finale f) della trave
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M-i M+f	Taglio generato dai momenti resistenti negativo i e positivo f
V M+i M-f	Taglio generato dai momenti resistenti positivo i e negativo f
VEd, min	Valore di taglio minimo per verifica condizioni p.to 7.4.4.1.1 armatura diagonale (solo per CD "A")
VEd, max	Valore di taglio massimo per verifica condizioni p.to 7.4.4.1.1 armatura diagonale (solo per CD "A")
Vr1	Valore di taglio come da formula 7.4.1 per armatura diagonale (solo per CD "A")
As	Area singolo ordine armature diagonali come da formula 7.4.2 (solo per CD "A")

Per le verifiche a taglio ciclico di travi e pilastri esistenti è presente una tabella con i simboli di seguito descritti:

Trave/Pilastro	Numero identificativo dell'elemento D2 trave/pilastro
V. SLV	Codice relativo all'esito delle verifiche
Nodo	Numero identificativo del nodo di verifica
Ver. VC	Fattore di sicurezza nei confronti della verifica a taglio ciclico (verificato se < 1.00)
Direz.	Direzione di verifica
N fr	Valore di sforzo normale calcolato con fattore di comportamento fragile
V fr	Valore di taglio calcolato con fattore di comportamento fragile
M fr	Valore di momento calcolato con fattore di comportamento fragile
N dutt	Valore di sforzo normale calcolato con fattore di comportamento duttile
LV	Lunghezza di taglio
Mud,pl	Parte plastica della domanda di duttilità
V cic	Resistenza a taglio in condizioni cicliche (C8.7.2.8)
Cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

					M_P= 1		**X=-371.5**	**Y=1985.0**					
Pilas.	Note	Stato	Quota cm	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe L=cm	V V/T cls	V V/T acc	Rif. cmb	
14	s=8,m=1	ok,ok	-30.0	2.53	0.37	4d22 2+2 d22	0.91	0.08	3+3d8/15 L=58	0.75	0.50	35,32,31,33	
			145.0	2.53	0.37	4d22 2+2 d22	0.19	0.08	3+3d8/15 L=233	0.75	0.50	19,32,31,33	
	[b=1.0;1.0]		320.0	2.53	0.37	4d22 2+2 d22	0.77	0.07	3+3d8/15 L=58	0.75	0.50	30,32,31,33	
					M_P= 2		**X=-7.79e-04**	**Y=1985.0**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb	
5	s=8,m=1	ok,ok	-30.0	2.09	0.42	4d20 2+2 d20	0.93	0.10	3+3d8/15 L=58	0.67	0.44	30,32,10,33	
			145.0	2.09	0.42	4d20 2+2 d20	0.25	0.09	3+3d8/15 L=233	0.67	0.44	31,32,10,33	
	[b=1.0;1.0]		320.0	2.09	0.42	4d20 2+2 d20	0.84	0.09	3+3d8/15 L=58	0.67	0.44	30,32,10,33	
					M_P= 3		**X=373.0**	**Y=1985.0**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb	
4	s=8,m=1	ok,ok	-30.0	2.09	0.43	4d20 2+2 d20	0.85	0.10	3+3d8/15 L=58	0.66	0.44	30,34,20,33	
			145.0	2.09	0.43	4d20 2+2 d20	0.25	0.09	3+3d8/15 L=233	0.66	0.44	31,34,20,33	
	[b=1.0;1.0]		320.0	2.09	0.43	4d20 2+2 d20	0.81	0.09	3+3d8/15 L=58	0.67	0.44	30,34,20,33	
					M_P= 4		**X=700.8**	**Y=1985.0**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb	
3	s=8,m=1	ok,ok	-30.0	2.09	0.43	4d20 2+2 d20	0.82	0.09	3+3d8/15 L=58	0.69	0.46	34,26,31,33	
			145.0	2.09	0.43	4d20 2+2 d20	0.29	0.09	3+3d8/15 L=233	0.69	0.46	27,26,31,33	
	[b=1.0;1.0]		320.0	2.09	0.43	4d20 2+2 d20	0.79	0.08	3+3d8/15 L=58	0.69	0.46	18,26,31,33	
					M_P= 5		**X=1028.5**	**Y=1985.0**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb	
106	s=8,m=1	ok,ok	-30.0	2.09	0.39	4d20 2+2 d20	0.82	0.08	3+3d8/15 L=58	0.65	0.44	24,28,14,33	
			145.0	2.09	0.39	4d20 2+2 d20	0.23	0.08	3+3d8/15 L=233	0.65	0.44	21,28,14,33	
	[b=1.0;1.0]		320.0	2.09	0.39	4d20 2+2 d20	0.76	0.07	3+3d8/15 L=58	0.65	0.44	18,28,14,33	
					M_P= 6		**X=1356.4**	**Y=1985.0**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb	
115	s=8,m=1	ok,ok	-30.0	2.09	0.40	4d20 2+2 d20	0.87	0.09	3+3d8/15 L=58	0.65	0.44	24,22,8,36	
			145.0	2.09	0.40	4d20 2+2 d20	0.23	0.08	3+3d8/15 L=233	0.66	0.44	27,22,8,36	
	[b=1.0;1.0]		320.0	2.09	0.40	4d20 2+2 d20	0.78	0.08	3+3d8/15 L=58	0.66	0.44	24,22,8,36	
					M_P= 7		**X=1687.3**	**Y=1985.0**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb	
102	s=8,m=1	ok,ok	-30.0	2.53	0.36	4d22 2+2 d22	0.84	0.08	3+3d8/15 L=58	0.75	0.51	25,22,36,36	
			145.0	2.53	0.36	4d22 2+2 d22	0.19	0.07	3+3d8/15 L=233	0.75	0.51	13,22,36,36	
	[b=1.0;1.0]		320.0	2.53	0.36	4d22 2+2 d22	0.71	0.07	3+3d8/15 L=58	0.75	0.51	24,22,36,36	
					M_P= 8		**X=-371.5**	**Y=2507.8**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb	
15	s=8,m=1	ok,ok	-30.0	2.53	0.37	4d22 2+2 d22	0.91	0.08	3+3d8/15 L=58	0.75	0.50	32,35,36,36	
			145.0	2.53	0.37	4d22 2+2 d22	0.19	0.08	3+3d8/15 L=233	0.75	0.50	12,35,36,36	
	[b=1.0;1.0]		320.0	2.53	0.37	4d22 2+2 d22	0.77	0.07	3+3d8/15 L=58	0.75	0.50	33,35,36,36	
					M_P= 9		**X=-7.79e-04**	**Y=2507.8**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb	
16	s=8,m=1	ok,ok	-30.0	2.09	0.42	4d20 2+2 d20	0.93	0.10	3+3d8/15 L=58	0.67	0.44	33,35,17,36	
			145.0	2.09	0.42	4d20 2+2 d20	0.24	0.09	3+3d8/15 L=233	0.67	0.44	36,35,17,36	
	[b=1.0;1.0]		320.0	2.09	0.42	4d20 2+2 d20	0.84	0.09	3+3d8/15 L=58	0.67	0.44	33,35,17,36	
					M_P= 10		**X=373.1**	**Y=2507.8**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb	
1	s=8,m=1	ok,ok	-30.0	2.09	0.43	4d20 2+2 d20	0.85	0.10	3+3d8/15 L=58	0.66	0.44	33,29,17,36	
			145.0	2.09	0.43	4d20 2+2 d20	0.25	0.09	3+3d8/15 L=233	0.66	0.44	36,29,17,36	
	[b=1.0;1.0]		320.0	2.09	0.43	4d20 2+2 d20	0.81	0.09	3+3d8/15 L=58	0.67	0.44	33,29,17,36	
					M_P= 11		**X=700.8**	**Y=2507.8**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb	

2	s=8,m=1	ok,ok	-30.0	2.09	0.43	4d20 2+2 d20	0.82	0.09	3+3d8/15 L=58	0.69	0.46	29,25,36,36
			145.0	2.09	0.43	4d20 2+2 d20	0.29	0.09	3+3d8/15 L=233	0.69	0.46	28,25,36,36
	[b=1.0;1.0]		320.0	2.09	0.43	4d20 2+2 d20	0.79	0.08	3+3d8/15 L=58	0.69	0.46	9,25,36,36
					M_P= 12	**X=1028.6**	**Y=2507.8**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
104	s=8,m=1	ok,ok	-30.0	2.09	0.39	4d20 2+2 d20	0.82	0.08	3+3d8/15 L=58	0.65	0.44	27,23,5,36
			145.0	2.09	0.39	4d20 2+2 d20	0.23	0.08	3+3d8/15 L=233	0.65	0.44	26,23,5,36
	[b=1.0;1.0]		320.0	2.09	0.39	4d20 2+2 d20	0.76	0.07	3+3d8/15 L=58	0.65	0.44	9,23,5,36
					M_P= 13	**X=1356.4**	**Y=2507.8**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
105	s=8,m=1	ok,ok	-30.0	2.09	0.40	4d20 2+2 d20	0.87	0.09	3+3d8/15 L=58	0.66	0.44	27,25,15,33
			145.0	2.09	0.40	4d20 2+2 d20	0.23	0.08	3+3d8/15 L=233	0.66	0.44	24,25,15,33
	[b=1.0;1.0]		320.0	2.09	0.40	4d20 2+2 d20	0.78	0.08	3+3d8/15 L=58	0.66	0.44	27,25,15,33
					M_P= 14	**X=1687.3**	**Y=2507.8**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
101	s=8,m=1	ok,ok	-30.0	2.53	0.36	4d22 2+2 d22	0.83	0.08	3+3d8/15 L=58	0.75	0.51	22,25,31,33
			145.0	2.53	0.36	4d22 2+2 d22	0.19	0.07	3+3d8/15 L=233	0.75	0.51	6,25,31,33
	[b=1.0;1.0]		320.0	2.53	0.36	4d22 2+2 d22	0.71	0.07	3+3d8/15 L=58	0.75	0.51	27,25,31,33

Pilas.	**%Af**	**r. snell.**	**V N/M**	**V N sis**	**V V/T cls**	**V V/T acc**
	2.53	0.43	0.93	0.10	0.75	0.51

Pilas.	**sovr. Xi**	**sovr. Xf**	**sovr. Yi**	**sovr. Yf**	**M 2-2 i**	**M 2-2 f**	**M 3-3 i**	**M 3-3 f**	**Luce per V**	**V M2-2**	**V M3-3**
					kN m	kN m	kN m	kN m	cm	kN	kN
1	0.0	0.0	0.0	0.0	115.40	114.48	167.02	165.65	310.00	81.89	118.53
2	0.0	0.0	0.0	0.0	115.03	114.10	166.47	165.10	310.00	81.63	118.14
3	0.0	0.0	0.0	0.0	115.03	114.11	166.48	165.10	310.00	81.64	118.15
4	0.0	0.0	0.0	0.0	115.40	114.48	167.03	165.65	310.00	81.90	118.54
5	0.0	0.0	0.0	0.0	115.48	114.55	167.14	165.77	310.00	81.95	118.61
14	0.0	0.0	0.0	0.0	133.03	132.19	193.91	192.68	310.00	94.41	137.61
15	0.0	0.0	0.0	0.0	133.03	132.19	193.91	192.68	310.00	94.41	137.61
16	0.0	0.0	0.0	0.0	115.48	114.55	167.14	165.77	310.00	81.95	118.62
101	0.0	0.0	0.0	0.0	132.62	131.72	193.33	191.98	310.00	94.12	137.20
102	0.0	0.0	0.0	0.0	132.62	131.72	193.33	191.98	310.00	94.12	137.20
104	0.0	0.0	0.0	0.0	114.19	113.26	165.22	163.83	310.00	81.04	117.25
105	0.0	0.0	0.0	0.0	114.80	113.87	166.13	164.75	310.00	81.47	117.90
106	0.0	0.0	0.0	0.0	114.18	113.25	165.22	163.83	310.00	81.03	117.25
115	0.0	0.0	0.0	0.0	114.80	113.87	166.13	164.75	310.00	81.47	117.90

Pilas.	**M 2-2 i**	**M 2-2 f**	**M 3-3 i**	**M 3-3 f**	**V M2-2**	**V M3-3**
	133.03	132.19	193.91	192.68	94.41	137.61

Pilas.	**nid**	**alfaomega**	**V. 7.4.29 2-2**	**V. 7.4.29 3-3**	**V. 7.4.29 Stato**	**dmu_fi 2-2**	**dmu_fi 3-3**	**cmu_fi 2-2**	**cmu_fi 3-3**	**V. dut. 2-2**	**V. dut. 3-3**
1	0.06	0.08	0.0	0.0	ok	3.1	3.9	6.8	6.7	0.46	0.58
	0.06	0.08	0.0	0.0	ok			7.0	7.0	0.45	0.56
2	0.06	0.08	0.0	0.0	ok	3.9	3.1	6.9	6.8	0.57	0.46
	0.05	0.08	0.0	0.0	ok			7.1	7.1	0.55	0.44
3	0.06	0.08	0.0	0.0	ok	3.9	3.1	6.9	6.8	0.57	0.46
	0.05	0.08	0.0	0.0	ok			7.1	7.1	0.55	0.44
4	0.06	0.08	0.0	0.0	ok	3.1	3.9	6.8	6.7	0.46	0.58
	0.06	0.08	0.0	0.0	ok			7.0	7.0	0.45	0.56
5	0.06	0.08	0.0	0.0	ok	3.1	3.9	6.8	6.7	0.46	0.58
	0.06	0.08	0.0	0.0	ok			7.0	6.9	0.45	0.56
14	0.05	0.08	0.0	0.0	ok	3.9	3.1	6.0	6.0	0.65	0.52
	0.05	0.08	0.0	0.0	ok			6.2	6.2	0.63	0.51
15	0.05	0.08	0.0	0.0	ok	3.9	3.1	6.0	6.0	0.65	0.52
	0.05	0.08	0.0	0.0	ok			6.2	6.2	0.63	0.51
16	0.06	0.08	0.0	0.0	ok	3.1	3.9	6.8	6.7	0.46	0.58
	0.06	0.08	0.0	0.0	ok			7.0	6.9	0.45	0.56
101	0.05	0.08	0.0	0.0	ok	3.9	3.1	6.1	6.1	0.64	0.51
	0.04	0.08	0.0	0.0	ok			6.3	6.3	0.62	0.50
102	0.05	0.08	0.0	0.0	ok	3.9	3.1	6.1	6.1	0.64	0.51
	0.04	0.08	0.0	0.0	ok			6.3	6.3	0.62	0.50
104	0.05	0.08	0.0	0.0	ok	3.1	3.9	7.1	7.0	0.44	0.55
	0.05	0.08	0.0	0.0	ok			7.4	7.3	0.42	0.53
105	0.06	0.08	0.0	0.0	ok	3.1	3.9	6.9	6.9	0.45	0.56
	0.05	0.08	0.0	0.0	ok			7.2	7.1	0.43	0.54
106	0.05	0.08	0.0	0.0	ok	3.1	3.9	7.1	7.0	0.44	0.55
	0.05	0.08	0.0	0.0	ok			7.4	7.3	0.42	0.53
115	0.06	0.08	0.0	0.0	ok	3.1	3.9	6.9	6.9	0.45	0.56
	0.05	0.08	0.0	0.0	ok			7.2	7.1	0.43	0.54
			2-2	**3-3**						**2-2**	**3-3**

				0.0	0.0								0.65		0.58

Nodo	Conf.	Stato	Pilas.	Diam st	Passo	n. br. 2	Bj2	Hjc2	n. br. 3	Bj3	Hjc3	V. 7.4.8	V. Ash	7.4.10	Rif. cmb
				mm	cm		cm	cm		cm	cm				
2	NO	ok	16	10	5.0	4	30.0	30.0	4	50.0	20.0	0.9	1.0	NO	21,34
4	NO	ok	1	10	5.0	4	30.0	30.0	4	50.0	20.0	1.0	1.0	NO	21,32
6	NO	ok	2	10	5.0	4	50.0	30.0	4	40.0	20.0	0.9	1.0	NO	5,28
8	NO	ok	3	10	5.0	4	50.0	30.0	4	40.0	20.0	0.9	1.0	NO	5,27
10	NO	ok	4	10	5.0	4	30.0	30.0	4	50.0	20.0	1.0	1.0	NO	21,35
12	NO	ok	5	10	5.0	4	30.0	30.0	4	50.0	20.0	0.9	1.0	NO	21,29
14	NO	ok	14	10	10.0	4	30.0	29.8	4	40.0	19.8	1.0	0.9	NO	21,21
16	NO	ok	15	10	10.0	4	30.0	29.8	4	40.0	19.8	1.0	0.9	NO	21,22
416	NO	ok	101	10	10.0	4	30.0	29.8	4	40.0	19.8	0.8	0.9	NO	21,22
418	NO	ok	102	10	10.0	4	30.0	29.8	4	40.0	19.8	0.8	0.9	NO	21,21
421	NO	ok	106	10	5.0	4	30.0	30.0	4	50.0	20.0	0.9	1.0	NO	21,25
422	NO	ok	104	10	5.0	4	30.0	30.0	4	50.0	20.0	0.9	1.0	NO	21,22
424	NO	ok	115	10	5.0	4	30.0	30.0	4	50.0	20.0	0.9	1.0	NO	21,23
425	NO	ok	105	10	5.0	4	30.0	30.0	4	50.0	20.0	0.9	1.0	NO	21,28

Nodo	Passo	V. 7.4.8	V. Ash
	5.00		
		0.99	0.98

Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	M_T= 5 x/d	Z=-30.0 V N/M	P=8 V V/T cls	P=14 V V/T acc	Staffe	Rif. cmb
		cm									L=cm	
17	ok,NV	0.0	0.50	8.0	8.0	0.0	0.15	0.48	1.01	0.85	2d8/8 L=25	29,36,36
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.28	1.00	0.84	2d8/8 L=25	12,36,36
		40.0	0.50	8.0	8.0	0.0	0.15	0.24	1.00	0.82	2d8/8 L=25	12,36,36
25	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.26	0.85	0.43	2d8/15 L=40	32,36,36
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.19	0.84	0.42	2d8/15 L=40	12,36,36
		40.0	0.50	8.0	8.0	0.0	0.15	0.24	0.83	0.41	2d8/15 L=40	36,36,36
89	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.18	0.58	0.27	2d8/15 L=40	12,36,36
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.18	0.57	0.26	2d8/15 L=40	12,36,36
		40.0	0.50	8.0	8.0	0.0	0.15	0.25	0.57	0.26	2d8/15 L=40	36,36,36
83	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.16	0.40	0.18	2d8/15 L=40	12,36,32
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.17	0.39	0.17	2d8/15 L=40	32,36,32
		40.0	0.50	8.0	8.0	0.0	0.15	0.25	0.39	0.17	2d8/15 L=40	36,36,32
77	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.16	0.29	0.13	2d8/15 L=40	12,33,29
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.19	0.28	0.12	2d8/15 L=40	36,33,29
		40.0	0.50	8.0	8.0	0.0	0.15	0.23	0.27	0.11	2d8/15 L=40	36,33,29
69	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.16	0.21	0.10	2d8/15 L=40	36,29,29
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.18	0.20	0.09	2d8/15 L=40	36,29,29
		40.0	0.50	8.0	8.0	0.0	0.15	0.19	0.20	0.08	2d8/15 L=40	36,29,29
60	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.17	0.14	0.10	2d8/15 L=40	36,9,9
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.15	0.14	0.10	2d8/15 L=40	36,9,5
		40.0	0.50	8.0	8.0	0.0	0.15	0.14	0.14	0.10	2d8/15 L=40	32,9,5
51	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.15	0.23	0.17	2d8/15 L=40	36,21,5
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.11	0.23	0.17	2d8/15 L=40	32,21,5
		40.0	0.50	8.0	8.0	0.0	0.15	0.10	0.23	0.17	2d8/15 L=40	9,21,5
43	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.12	0.57	0.34	2d8/15 L=40	32,29,5
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.21	0.58	0.34	2d8/15 L=40	5,29,5
		40.0	0.50	8.0	8.0	0.0	0.15	0.35	0.58	0.34	2d8/15 L=40	5,29,5
35	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.35	1.00	0.51	2d8/15 L=0	5,29,5
	s=5,m=1	5.8	0.50	8.0	8.0	0.0	0.15	0.42	1.00	0.51	2d8/15 L=0	5,29,5
		11.5	0.50	8.0	8.0	0.0	0.15	0.48	1.00	0.51	2d8/15 L=0	5,29,5
21	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.56	0.93	0.47	2d8/15 L=20	9,36,32
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.37	0.93	0.47	2d8/15 L=20	9,36,32
		40.0	0.50	8.0	8.0	0.0	0.15	0.24	0.93	0.46	2d8/15 L=20	12,36,32
94	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.24	0.48	0.31	2d8/15 L=40	12,32,32
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.19	0.48	0.31	2d8/15 L=40	12,36,32
		40.0	0.50	8.0	8.0	0.0	0.15	0.18	0.48	0.31	2d8/15 L=40	12,36,32
88	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.17	0.31	0.18	2d8/15 L=40	12,32,32
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.15	0.31	0.17	2d8/15 L=40	12,32,32
		40.0	0.50	8.0	8.0	0.0	0.15	0.18	0.31	0.17	2d8/15 L=40	36,32,32
82	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.14	0.21	0.11	2d8/15 L=40	8,32,32
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.15	0.21	0.11	2d8/15 L=40	32,32,32
		40.0	0.50	8.0	8.0	0.0	0.15	0.18	0.20	0.11	2d8/15 L=40	36,32,32
75	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.14	0.14	0.09	2d8/15 L=40	36,29,9
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.15	0.13	0.08	2d8/15 L=40	36,9,9
		40.0	0.50	8.0	8.0	0.0	0.15	0.16	0.13	0.08	2d8/15 L=40	36,9,12
67	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.15	0.15	0.10	2d8/15 L=40	32,5,5
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.14	0.15	0.10	2d8/15 L=40	36,5,5
		40.0	0.50	8.0	8.0	0.0	0.15	0.14	0.15	0.09	2d8/15 L=40	32,5,5

58 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.14	0.21	0.13	2d8/15 L=40	34,21,5
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.12	0.21	0.13	2d8/15 L=40	32,21,5
	40.0	0.50	8.0	8.0	0.0	0.15	0.11	0.22	0.13	2d8/15 L=40	32,21,5
49 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.14	0.32	0.21	2d8/15 L=40	32,21,21
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.10	0.32	0.21	2d8/15 L=40	9,21,21
	40.0	0.50	8.0	8.0	0.0	0.15	0.17	0.32	0.21	2d8/15 L=40	5,21,21
41 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.15	0.61	0.38	2d8/15 L=40	9,29,5
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.28	0.61	0.38	2d8/15 L=40	5,29,5
	40.0	0.50	8.0	8.0	0.0	0.15	0.44	0.61	0.37	2d8/15 L=40	5,29,5
33 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.44	1.00	0.56	2d8/15 L=0	5,29,5
s=5,m=1	6.6	0.50	8.0	8.0	0.0	0.15	0.51	1.00	0.56	2d8/15 L=0	5,29,5
	13.1	0.50	8.0	8.0	0.0	0.15	0.59	1.00	0.56	2d8/15 L=0	5,29,5
28 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.58	0.81	0.46	2d8/15 L=20	9,32,12
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.38	0.81	0.46	2d8/15 L=20	9,32,12
	40.0	0.50	8.0	8.0	0.0	0.15	0.21	0.81	0.47	2d8/15 L=20	12,32,12
71 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.23	0.39	0.27	2d8/15 L=40	9,32,32
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.15	0.39	0.26	2d8/15 L=40	12,32,32
	40.0	0.50	8.0	8.0	0.0	0.15	0.13	0.39	0.26	2d8/15 L=40	12,32,32
62 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.13	0.23	0.14	2d8/15 L=40	8,32,32
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.11	0.23	0.14	2d8/15 L=40	8,32,12
	40.0	0.50	8.0	8.0	0.0	0.15	0.13	0.23	0.14	2d8/15 L=40	32,32,12
53 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.11	0.15	0.10	2d8/15 L=40	24,12,12
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.11	0.15	0.10	2d8/15 L=40	24,12,12
	40.0	0.50	8.0	8.0	0.0	0.15	0.12	0.15	0.10	2d8/15 L=40	36,12,12
46 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.12	0.13	0.09	2d8/15 L=40	24,5,5
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.10	0.13	0.08	2d8/15 L=40	32,21,5
	40.0	0.50	8.0	8.0	0.0	0.15	0.10	0.14	0.09	2d8/15 L=40	32,24,8
63 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.12	0.23	0.13	2d8/15 L=40	24,21,21
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.09	0.23	0.13	2d8/15 L=40	32,21,21
	40.0	0.50	8.0	8.0	0.0	0.15	0.07	0.23	0.13	2d8/15 L=40	32,21,21
55 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.11	0.36	0.23	2d8/15 L=40	28,21,21
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.07	0.37	0.23	2d8/15 L=40	6,21,21
	40.0	0.50	8.0	8.0	0.0	0.15	0.14	0.37	0.23	2d8/15 L=40	5,21,21
38 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.10	0.70	0.38	2d8/15 L=33	9,21,21
s=5,m=1	23.8	0.50	8.0	8.0	0.0	0.15	0.24	0.71	0.38	2d8/15 L=33	5,21,21
	47.7	0.50	8.0	8.0	0.0	0.15	0.41	0.71	0.39	2d8/15 L=33	5,21,21
122 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.40	0.75	0.43	2d8/15 L=25	9,32,32
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.25	0.75	0.43	2d8/15 L=25	9,32,32
	40.0	0.50	8.0	8.0	0.0	0.15	0.12	0.75	0.42	2d8/15 L=25	8,32,32
163 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.16	0.41	0.26	2d8/15 L=40	9,32,32
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.09	0.41	0.26	2d8/15 L=40	12,32,32
	40.0	0.50	8.0	8.0	0.0	0.15	0.11	0.41	0.26	2d8/15 L=40	24,32,32
155 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.08	0.27	0.15	2d8/15 L=40	12,32,32
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.09	0.27	0.15	2d8/15 L=40	24,32,32
	40.0	0.50	8.0	8.0	0.0	0.15	0.12	0.27	0.15	2d8/15 L=40	24,32,32
144 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.10	0.17	0.10	2d8/15 L=40	24,32,12
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.11	0.17	0.10	2d8/15 L=40	28,32,12
	40.0	0.50	8.0	8.0	0.0	0.15	0.13	0.17	0.11	2d8/15 L=40	32,32,12
135 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.12	0.13	0.09	2d8/15 L=40	28,9,9
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.12	0.13	0.09	2d8/15 L=40	24,9,9
	40.0	0.50	8.0	8.0	0.0	0.15	0.12	0.13	0.09	2d8/15 L=40	32,5,8
129 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.14	0.19	0.12	2d8/15 L=40	28,21,5
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.11	0.19	0.12	2d8/15 L=40	24,21,5
	40.0	0.50	8.0	8.0	0.0	0.15	0.13	0.19	0.12	2d8/15 L=40	12,21,5
147 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.13	0.32	0.22	2d8/15 L=40	24,21,21
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.14	0.33	0.22	2d8/15 L=40	9,21,21
	40.0	0.50	8.0	8.0	0.0	0.15	0.21	0.33	0.22	2d8/15 L=40	5,21,21
138 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.19	0.71	0.41	2d8/15 L=28	9,21,5
s=5,m=1	23.9	0.50	8.0	8.0	0.0	0.15	0.38	0.71	0.41	2d8/15 L=28	5,21,5
	47.8	0.50	8.0	8.0	0.0	0.15	0.58	0.72	0.41	2d8/15 L=28	5,21,5
121 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.48	0.69	0.41	2d8/15 L=20	9,24,12
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.30	0.69	0.42	2d8/15 L=20	9,24,12
	40.0	0.50	8.0	8.0	0.0	0.15	0.18	0.69	0.42	2d8/15 L=20	8,24,12
162 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.16	0.32	0.22	2d8/15 L=40	12,32,32
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.13	0.32	0.22	2d8/15 L=40	8,32,32
	40.0	0.50	8.0	8.0	0.0	0.15	0.14	0.32	0.22	2d8/15 L=40	24,32,12
154 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.11	0.19	0.12	2d8/15 L=40	24,32,12
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.12	0.19	0.13	2d8/15 L=40	24,32,12
	40.0	0.50	8.0	8.0	0.0	0.15	0.14	0.19	0.13	2d8/15 L=40	28,32,12
143 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.14	0.13	0.09	2d8/15 L=40	24,12,12
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.14	0.13	0.09	2d8/15 L=40	28,12,12
	40.0	0.50	8.0	8.0	0.0	0.15	0.14	0.13	0.10	2d8/15 L=40	24,12,12
134 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.16	0.14	0.09	2d8/15 L=40	28,21,5
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.14	0.14	0.09	2d8/15 L=40	28,21,5
	40.0	0.50	8.0	8.0	0.0	0.15	0.13	0.15	0.09	2d8/15 L=40	8,21,5
128 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.17	0.25	0.14	2d8/15 L=40	28,21,21
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.13	0.25	0.14	2d8/15 L=40	24,21,21

		40.0	0.50	8.0	8.0	0.0	0.15	0.14	0.25	0.14	2d8/15 L=40 12,21,21
146	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.17	0.40	0.25	2d8/15 L=40 28,25,21
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.15	0.40	0.26	2d8/15 L=40 12,25,21
		40.0	0.50	8.0	8.0	0.0	0.15	0.21	0.40	0.26	2d8/15 L=40 5,21,21
137	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.20	0.80	0.41	2d8/15 L=28 9,25,21
	s=5,m=1	23.9	0.50	8.0	8.0	0.0	0.15	0.37	0.81	0.41	2d8/15 L=28 5,25,21
		47.8	0.50	8.0	8.0	0.0	0.15	0.57	0.81	0.41	2d8/15 L=28 5,25,21
120	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.40	0.65	0.39	2d8/15 L=20 9,24,12
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.24	0.65	0.39	2d8/15 L=20 9,24,12
		40.0	0.50	8.0	8.0	0.0	0.15	0.16	0.65	0.39	2d8/15 L=20 8,24,12
168	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.12	0.24	0.19	2d8/15 L=40 12,12,12
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.10	0.24	0.20	2d8/15 L=40 24,12,12
		40.0	0.50	8.0	8.0	0.0	0.15	0.14	0.25	0.20	2d8/15 L=40 28,12,12
161	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.13	0.12	0.10	2d8/15 L=40 24,8,12
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.14	0.13	0.10	2d8/15 L=40 28,8,12
		40.0	0.50	8.0	8.0	0.0	0.15	0.16	0.13	0.10	2d8/15 L=40 28,8,12
153	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.18	0.19	0.08	2d8/15 L=40 28,28,24
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.16	0.20	0.09	2d8/15 L=40 28,28,24
		40.0	0.50	8.0	8.0	0.0	0.15	0.15	0.21	0.10	2d8/15 L=40 24,28,24
142	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.21	0.28	0.12	2d8/15 L=40 28,28,21
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.16	0.29	0.12	2d8/15 L=40 28,28,21
		40.0	0.50	8.0	8.0	0.0	0.15	0.14	0.30	0.13	2d8/15 L=40 8,28,24
133	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.23	0.43	0.19	2d8/15 L=40 28,25,25
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.14	0.44	0.20	2d8/15 L=40 28,25,25
		40.0	0.50	8.0	8.0	0.0	0.15	0.14	0.44	0.21	2d8/15 L=40 8,25,25
148	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.22	0.65	0.33	2d8/15 L=40 28,25,25
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.14	0.66	0.33	2d8/15 L=40 12,25,25
		40.0	0.50	8.0	8.0	0.0	0.15	0.19	0.66	0.34	2d8/15 L=40 24,25,25
127	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.20	1.00	0.66	2d8/15 L=36 16,21,25
	s=5,m=1	25.5	0.50	8.0	8.0	0.0	0.15	0.26	1.00	0.68	2d8/15 L=36 5,21,25
		51.0	0.50	8.0	8.0	0.0	0.15	0.45	1.00	0.71	2d8/15 L=36 21,21,25
							M_T= 6	**Z=-30.0**	**P=1**	**P=8**	
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
18	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.87	0.67	0.46	2d8/15 L=20 36,36,36
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.73	0.67	0.47	2d8/15 L=20 36,36,36
		40.0	0.50	8.0	8.0	0.0	0.15	0.60	0.68	0.49	2d8/15 L=20 32,36,36
22	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.60	0.41	0.28	2d8/15 L=40 36,36,20
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.53	0.42	0.28	2d8/15 L=40 36,36,20
		40.0	0.50	8.0	8.0	0.0	0.15	0.47	0.42	0.29	2d8/15 L=40 32,36,36
29	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.40	0.26	0.16	2d8/15 L=40 36,12,20
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.38	0.26	0.17	2d8/15 L=40 32,12,20
		40.0	0.50	8.0	8.0	0.0	0.15	0.37	0.26	0.17	2d8/15 L=40 32,12,20
39	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.33	0.18	0.11	2d8/15 L=40 32,20,20
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.32	0.18	0.12	2d8/15 L=40 32,20,20
		40.0	0.50	8.0	8.0	0.0	0.15	0.31	0.18	0.12	2d8/15 L=40 32,20,20
47	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.28	0.13	0.09	2d8/15 L=40 32,20,36
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.26	0.13	0.10	2d8/15 L=40 32,36,36
		40.0	0.50	8.0	8.0	0.0	0.15	0.24	0.13	0.11	2d8/15 L=40 32,36,36
56	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.22	0.10	0.08	2d8/15 L=40 32,36,36
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.20	0.10	0.09	2d8/15 L=40 32,36,36
		40.0	0.50	8.0	8.0	0.0	0.15	0.19	0.10	0.09	2d8/15 L=40 12,36,36
65	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.18	0.08	0.08	2d8/15 L=40 12,33,33
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.17	0.08	0.08	2d8/15 L=40 12,36,36
		40.0	0.50	8.0	8.0	0.0	0.15	0.18	0.08	0.08	2d8/15 L=40 20,36,36
73	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.19	0.10	0.09	2d8/15 L=40 20,29,29
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.19	0.09	0.08	2d8/15 L=40 20,29,29
		40.0	0.50	8.0	8.0	0.0	0.15	0.20	0.09	0.08	2d8/15 L=40 36,29,29
80	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.21	0.13	0.10	2d8/15 L=40 20,29,29
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.22	0.12	0.09	2d8/15 L=40 36,29,29
		40.0	0.50	8.0	8.0	0.0	0.15	0.24	0.12	0.09	2d8/15 L=40 36,29,29
86	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.25	0.18	0.11	2d8/15 L=40 36,9,29
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.26	0.17	0.11	2d8/15 L=40 36,9,29
		40.0	0.50	8.0	8.0	0.0	0.15	0.27	0.17	0.10	2d8/15 L=40 36,9,9
92	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.30	0.25	0.14	2d8/15 L=40 36,9,9
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.30	0.25	0.14	2d8/15 L=40 36,9,9
		40.0	0.50	8.0	8.0	0.0	0.15	0.31	0.25	0.14	2d8/15 L=40 36,9,9
97	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.36	0.42	0.24	2d8/15 L=40 36,29,29
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.41	0.42	0.24	2d8/15 L=40 33,29,29
		40.0	0.50	8.0	8.0	0.0	0.15	0.49	0.41	0.23	2d8/15 L=40 33,29,9
98	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.59	0.66	0.47	2d8/15 L=23 33,29,29
	s=5,m=1	21.4	0.50	8.0	8.0	0.0	0.15	0.77	0.65	0.46	2d8/15 L=23 33,29,29
		42.8	0.50	8.0	8.0	0.0	0.15	0.97	0.64	0.45	2d8/15 L=23 29,29,29
							M_T= 7	**Z=-30.0**	**P=1**	**P=7**	
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
19	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.55	1.00	0.99	2d8/12 L=25 33,34,36
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.28	1.00	0.97	2d8/12 L=25 17,33,36
		40.0	0.50	8.0	8.0	0.0	0.15	0.22	1.00	0.95	2d8/12 L=25 8,34,36

93 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.28	0.84	0.46	2d8/15 L=40 20,36,36
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.20	0.83	0.46	2d8/15 L=40 16,36,36
	40.0	0.50	8.0	8.0	0.0	0.15	0.21	0.83	0.45	2d8/15 L=40 12,36,36
87 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.18	0.55	0.28	2d8/15 L=40 20,36,36
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.17	0.55	0.27	2d8/15 L=40 16,36,36
	40.0	0.50	8.0	8.0	0.0	0.15	0.20	0.54	0.27	2d8/15 L=40 12,36,36
81 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.16	0.40	0.19	2d8/15 L=40 19,36,36
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.16	0.39	0.18	2d8/15 L=40 8,36,36
	40.0	0.50	8.0	8.0	0.0	0.15	0.19	0.39	0.18	2d8/15 L=40 32,36,36
74 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.15	0.29	0.14	2d8/15 L=40 16,36,33
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.14	0.28	0.13	2d8/15 L=40 12,36,33
	40.0	0.50	8.0	8.0	0.0	0.15	0.17	0.28	0.11	2d8/15 L=40 32,36,36
66 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.13	0.19	0.11	2d8/15 L=40 8,36,33
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.12	0.19	0.10	2d8/15 L=40 32,36,17
	40.0	0.50	8.0	8.0	0.0	0.15	0.14	0.19	0.09	2d8/15 L=40 32,36,17
57 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.12	0.11	0.11	2d8/15 L=40 32,2,17
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.10	0.11	0.11	2d8/15 L=40 32,2,13
	40.0	0.50	8.0	8.0	0.0	0.15	0.10	0.11	0.11	2d8/15 L=40 36,20,13
48 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.11	0.16	0.18	2d8/15 L=40 36,2,13
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.08	0.15	0.17	2d8/15 L=40 20,2,13
	40.0	0.50	8.0	8.0	0.0	0.15	0.12	0.15	0.17	2d8/15 L=40 17,24,13
40 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.11	0.44	0.34	2d8/15 L=40 20,33,13
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.23	0.44	0.34	2d8/15 L=40 13,33,13
	40.0	0.50	8.0	8.0	0.0	0.15	0.37	0.44	0.34	2d8/15 L=40 13,33,13
32 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.32	0.87	0.58	2d8/15 L=0 13,33,13
s=5,m=1	5.8	0.50	8.0	8.0	0.0	0.15	0.39	0.87	0.57	2d8/15 L=0 13,33,13
	11.5	0.50	8.0	8.0	0.0	0.15	0.46	0.88	0.57	2d8/15 L=0 13,33,13
26 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.58	0.79	0.53	2d8/15 L=20 17,32,36
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.38	0.79	0.52	2d8/15 L=20 17,32,36
	40.0	0.50	8.0	8.0	0.0	0.15	0.22	0.79	0.52	2d8/15 L=20 16,32,36
95 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.30	0.47	0.33	2d8/15 L=40 17,36,36
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.20	0.46	0.33	2d8/15 L=40 16,36,36
	40.0	0.50	8.0	8.0	0.0	0.15	0.17	0.46	0.33	2d8/15 L=40 8,36,36
90 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.17	0.30	0.19	2d8/15 L=40 19,33,36
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.14	0.29	0.19	2d8/15 L=40 16,33,36
	40.0	0.50	8.0	8.0	0.0	0.15	0.13	0.28	0.18	2d8/15 L=40 8,36,36
84 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.14	0.21	0.12	2d8/15 L=40 16,33,20
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.11	0.20	0.12	2d8/15 L=40 8,33,20
	40.0	0.50	8.0	8.0	0.0	0.15	0.10	0.20	0.12	2d8/15 L=40 32,36,20
78 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.11	0.16	0.10	2d8/15 L=40 8,20,17
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.08	0.16	0.10	2d8/15 L=40 8,20,17
	40.0	0.50	8.0	8.0	0.0	0.15	0.09	0.16	0.09	2d8/15 L=40 32,20,20
70 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.09	0.15	0.11	2d8/15 L=40 24,16,13
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.07	0.15	0.11	2d8/15 L=40 36,16,13
	40.0	0.50	8.0	8.0	0.0	0.15	0.08	0.16	0.11	2d8/15 L=40 33,16,13
61 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.08	0.16	0.14	2d8/15 L=40 30,28,13
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.08	0.17	0.14	2d8/15 L=40 33,28,13
	40.0	0.50	8.0	8.0	0.0	0.15	0.10	0.18	0.14	2d8/15 L=40 17,28,13
52 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.09	0.23	0.21	2d8/15 L=40 33,28,25
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.12	0.24	0.21	2d8/15 L=40 17,28,25
	40.0	0.50	8.0	8.0	0.0	0.15	0.20	0.25	0.21	2d8/15 L=40 13,28,25
44 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.17	0.47	0.39	2d8/15 L=40 17,25,13
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.31	0.47	0.39	2d8/15 L=40 13,25,13
	40.0	0.50	8.0	8.0	0.0	0.15	0.48	0.47	0.38	2d8/15 L=40 13,25,13
36 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.40	0.87	0.65	2d8/15 L=0 13,33,13
s=5,m=1	6.5	0.50	8.0	8.0	0.0	0.15	0.49	0.87	0.65	2d8/15 L=0 13,33,13
	13.0	0.50	8.0	8.0	0.0	0.15	0.58	0.87	0.65	2d8/15 L=0 13,33,13
23 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.58	0.64	0.47	2d8/15 L=20 17,32,20
s=5,m=1	20.1	0.50	8.0	8.0	0.0	0.15	0.38	0.64	0.47	2d8/15 L=20 17,32,20
	40.2	0.50	8.0	8.0	0.0	0.15	0.19	0.64	0.47	2d8/15 L=20 13,32,20
76 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.29	0.35	0.28	2d8/15 L=40 17,33,36
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.17	0.34	0.28	2d8/15 L=40 17,33,20
	40.0	0.50	8.0	8.0	0.0	0.15	0.13	0.34	0.28	2d8/15 L=40 16,36,20
68 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.13	0.21	0.16	2d8/15 L=40 19,33,20
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.10	0.20	0.16	2d8/15 L=40 16,33,20
	40.0	0.50	8.0	8.0	0.0	0.15	0.08	0.19	0.16	2d8/15 L=40 8,33,20
59 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.10	0.17	0.11	2d8/15 L=40 16,17,20
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.07	0.16	0.11	2d8/15 L=40 16,17,20
	40.0	0.50	8.0	8.0	0.0	0.15	0.06	0.16	0.11	2d8/15 L=40 32,17,20
50 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.08	0.17	0.10	2d8/15 L=40 16,13,13
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.05	0.16	0.10	2d8/15 L=40 32,13,13
	40.0	0.50	8.0	8.0	0.0	0.15	0.06	0.16	0.10	2d8/15 L=40 20,13,16
42 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.07	0.21	0.13	2d8/15 L=40 28,25,13
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.05	0.21	0.13	2d8/15 L=40 33,28,25
	40.0	0.50	8.0	8.0	0.0	0.15	0.07	0.22	0.13	2d8/15 L=40 15,28,25
34 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.07	0.31	0.23	2d8/15 L=40 21,25,25
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.08	0.32	0.23	2d8/15 L=40 17,25,25

	40.0	0.50	8.0	8.0	0.0	0.15	0.16	0.32	0.24	2d8/15 L=40 13,28,25
30 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.12	0.64	0.39	2d8/15 L=33 17,25,25
s=5,m=1	23.8	0.50	8.0	8.0	0.0	0.15	0.27	0.64	0.39	2d8/15 L=33 13,25,25
	47.7	0.50	8.0	8.0	0.0	0.15	0.45	0.64	0.40	2d8/15 L=33 13,25,25
116 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.43	0.66	0.44	2d8/15 L=25 33,36,36
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.27	0.66	0.43	2d8/15 L=25 17,36,36
	40.0	0.50	8.0	8.0	0.0	0.15	0.12	0.66	0.43	2d8/15 L=25 13,36,36
170 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.18	0.35	0.27	2d8/15 L=40 17,33,36
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.09	0.34	0.27	2d8/15 L=40 17,36,36
	40.0	0.50	8.0	8.0	0.0	0.15	0.07	0.34	0.26	2d8/15 L=40 28,36,36
165 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.08	0.24	0.15	2d8/15 L=40 15,33,36
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.06	0.23	0.15	2d8/15 L=40 16,33,36
	40.0	0.50	8.0	8.0	0.0	0.15	0.08	0.23	0.15	2d8/15 L=40 36,33,36
158 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.06	0.18	0.11	2d8/15 L=40 16,17,20
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.05	0.17	0.11	2d8/15 L=40 24,17,20
	40.0	0.50	8.0	8.0	0.0	0.15	0.09	0.17	0.12	2d8/15 L=40 36,17,20
150 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.06	0.16	0.11	2d8/15 L=40 28,17,17
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.07	0.16	0.10	2d8/15 L=40 12,17,17
	40.0	0.50	8.0	8.0	0.0	0.15	0.10	0.16	0.10	2d8/15 L=40 20,16,16
139 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.08	0.18	0.14	2d8/15 L=40 32,13,13
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.09	0.18	0.14	2d8/15 L=40 20,16,13
	40.0	0.50	8.0	8.0	0.0	0.15	0.12	0.19	0.14	2d8/15 L=40 20,16,13
130 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.10	0.27	0.24	2d8/15 L=40 12,25,13
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.15	0.28	0.24	2d8/15 L=40 17,25,13
	40.0	0.50	8.0	8.0	0.0	0.15	0.24	0.28	0.23	2d8/15 L=40 13,28,13
123 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.20	0.64	0.45	2d8/15 L=28 17,21,13
s=5,m=1	23.9	0.50	8.0	8.0	0.0	0.15	0.42	0.65	0.45	2d8/15 L=28 13,21,13
	47.8	0.50	8.0	8.0	0.0	0.15	0.65	0.65	0.45	2d8/15 L=28 13,21,13
117 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.52	0.61	0.43	2d8/15 L=20 17,28,20
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.33	0.61	0.43	2d8/15 L=20 17,28,20
	40.0	0.50	8.0	8.0	0.0	0.15	0.18	0.61	0.44	2d8/15 L=20 16,28,20
171 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.19	0.25	0.23	2d8/15 L=40 17,33,36
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.12	0.25	0.23	2d8/15 L=40 16,36,20
	40.0	0.50	8.0	8.0	0.0	0.15	0.10	0.25	0.23	2d8/15 L=40 16,36,20
166 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.10	0.16	0.13	2d8/15 L=40 16,33,20
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.08	0.15	0.13	2d8/15 L=40 16,33,20
	40.0	0.50	8.0	8.0	0.0	0.15	0.08	0.15	0.14	2d8/15 L=40 24,33,20
159 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.08	0.14	0.10	2d8/15 L=40 16,17,20
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.07	0.14	0.11	2d8/15 L=40 24,17,20
	40.0	0.50	8.0	8.0	0.0	0.15	0.10	0.14	0.11	2d8/15 L=40 12,17,20
151 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.09	0.16	0.11	2d8/15 L=40 24,13,13
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.09	0.16	0.11	2d8/15 L=40 12,13,13
	40.0	0.50	8.0	8.0	0.0	0.15	0.12	0.16	0.11	2d8/15 L=40 20,16,13
140 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.11	0.23	0.15	2d8/15 L=40 24,25,13
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.11	0.23	0.15	2d8/15 L=40 12,28,13
	40.0	0.50	8.0	8.0	0.0	0.15	0.14	0.24	0.15	2d8/15 L=40 20,28,25
131 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.13	0.35	0.26	2d8/15 L=40 12,25,25
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.15	0.35	0.27	2d8/15 L=40 17,25,25
	40.0	0.50	8.0	8.0	0.0	0.15	0.25	0.36	0.27	2d8/15 L=40 13,25,25
124 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.21	0.75	0.45	2d8/15 L=28 17,21,13
s=5,m=1	23.9	0.50	8.0	8.0	0.0	0.15	0.42	0.75	0.45	2d8/15 L=28 13,21,13
	47.8	0.50	8.0	8.0	0.0	0.15	0.65	0.76	0.45	2d8/15 L=28 13,21,13
118 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.43	0.57	0.40	2d8/15 L=20 17,28,20
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.26	0.56	0.40	2d8/15 L=20 17,28,20
	40.0	0.50	8.0	8.0	0.0	0.15	0.17	0.56	0.40	2d8/15 L=20 16,28,20
172 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.13	0.17	0.19	2d8/15 L=40 20,13,20
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.11	0.17	0.20	2d8/15 L=40 16,13,20
	40.0	0.50	8.0	8.0	0.0	0.15	0.11	0.16	0.20	2d8/15 L=40 28,17,20
167 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.09	0.10	0.11	2d8/15 L=40 28,13,20
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.10	0.10	0.11	2d8/15 L=40 24,13,20
	40.0	0.50	8.0	8.0	0.0	0.15	0.11	0.10	0.11	2d8/15 L=40 8,2,20
160 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.13	0.19	0.09	2d8/15 L=40 24,25,16
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.12	0.19	0.10	2d8/15 L=40 24,25,16
	40.0	0.50	8.0	8.0	0.0	0.15	0.13	0.19	0.11	2d8/15 L=40 20,25,28
152 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.16	0.30	0.13	2d8/15 L=40 24,25,25
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.13	0.30	0.13	2d8/15 L=40 8,25,25
	40.0	0.50	8.0	8.0	0.0	0.15	0.13	0.30	0.14	2d8/15 L=40 20,25,28
141 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.17	0.43	0.20	2d8/15 L=40 24,25,25
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.14	0.43	0.21	2d8/15 L=40 12,25,25
	40.0	0.50	8.0	8.0	0.0	0.15	0.14	0.43	0.21	2d8/15 L=40 20,25,25
132 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.17	0.62	0.34	2d8/15 L=40 24,25,25
s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.14	0.62	0.35	2d8/15 L=40 20,25,25
	40.0	0.50	8.0	8.0	0.0	0.15	0.20	0.63	0.35	2d8/15 L=40 13,25,25
125 ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.19	1.00	0.68	2d8/15 L=36 12,24,25
s=5,m=1	25.5	0.50	8.0	8.0	0.0	0.15	0.31	1.00	0.70	2d8/15 L=36 13,23,25
	51.0	0.50	8.0	8.0	0.0	0.15	0.52	1.00	0.71	2d8/15 L=36 25,25,25
						M_T= 8	**Z=-30.0**	**P=4**	**P=11**	

Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
20	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.53	0.36	0.41	2d8/15 L=20	28,36,24
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.42	0.36	0.41	2d8/15 L=20	28,36,24
		40.0	0.50	8.0	8.0	0.0	0.15	0.32	0.36	0.41	2d8/15 L=20	28,28,24
27	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.30	0.16	0.20	2d8/15 L=40	28,24,28
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.26	0.16	0.20	2d8/15 L=40	28,24,28
		40.0	0.50	8.0	8.0	0.0	0.15	0.21	0.16	0.20	2d8/15 L=40	28,24,28
45	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.23	0.09	0.10	2d8/15 L=40	28,24,24
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.21	0.09	0.10	2d8/15 L=40	28,24,24
		40.0	0.50	8.0	8.0	0.0	0.15	0.20	0.09	0.10	2d8/15 L=40	28,24,28
54	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.21	0.08	0.07	2d8/15 L=40	28,24,24
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.20	0.08	0.07	2d8/15 L=40	28,24,28
		40.0	0.50	8.0	8.0	0.0	0.15	0.18	0.07	0.07	2d8/15 L=40	28,24,28
64	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.19	0.07	0.07	2d8/15 L=40	28,28,28
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.18	0.07	0.06	2d8/15 L=40	28,28,28
		40.0	0.50	8.0	8.0	0.0	0.15	0.18	0.07	0.06	2d8/15 L=40	2,28,28
72	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.17	0.07	0.06	2d8/15 L=40	2,28,28
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.18	0.06	0.06	2d8/15 L=40	2,28,28
		40.0	0.50	8.0	8.0	0.0	0.15	0.18	0.06	0.05	2d8/15 L=40	2,28,28
79	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.18	0.06	0.05	2d8/15 L=40	2,28,28
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.18	0.06	0.05	2d8/15 L=40	2,28,28
		40.0	0.50	8.0	8.0	0.0	0.15	0.18	0.06	0.05	2d8/15 L=40	2,25,25
85	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.18	0.06	0.05	2d8/15 L=40	2,25,25
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.18	0.06	0.06	2d8/15 L=40	2,25,25
		40.0	0.50	8.0	8.0	0.0	0.15	0.17	0.07	0.06	2d8/15 L=40	2,25,25
91	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.18	0.07	0.06	2d8/15 L=40	2,25,25
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.17	0.07	0.06	2d8/15 L=40	2,25,25
		40.0	0.50	8.0	8.0	0.0	0.15	0.18	0.07	0.06	2d8/15 L=40	24,25,25
96	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.17	0.08	0.07	2d8/15 L=40	2,25,25
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.18	0.08	0.07	2d8/15 L=40	24,25,25
		40.0	0.50	8.0	8.0	0.0	0.15	0.19	0.08	0.07	2d8/15 L=40	28,25,25
37	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.17	0.09	0.09	2d8/15 L=40	24,25,25
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.19	0.09	0.09	2d8/15 L=40	28,25,25
		40.0	0.50	8.0	8.0	0.0	0.15	0.20	0.09	0.09	2d8/15 L=40	28,25,25
24	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.18	0.16	0.19	2d8/15 L=40	24,25,25
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.23	0.16	0.19	2d8/15 L=40	28,25,25
		40.0	0.50	8.0	8.0	0.0	0.15	0.27	0.16	0.19	2d8/15 L=40	28,25,25
31	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.28	0.34	0.39	2d8/15 L=23	24,29,25
	s=5,m=1	21.4	0.50	8.0	8.0	0.0	0.15	0.38	0.34	0.39	2d8/15 L=23	28,29,25
		42.8	0.50	8.0	8.0	0.0	0.15	0.52	0.34	0.39	2d8/15 L=23	25,29,25
						M_T= 14		**Z=-30.0**	**P=7**	**P=14**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
119	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.85	0.61	0.43	2d8/15 L=20	28,16,16
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.73	0.61	0.44	2d8/15 L=20	28,16,28
		40.0	0.50	8.0	8.0	0.0	0.15	0.62	0.61	0.45	2d8/15 L=20	28,16,28
126	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.54	0.36	0.27	2d8/15 L=40	28,24,16
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.48	0.37	0.27	2d8/15 L=40	28,24,16
		40.0	0.50	8.0	8.0	0.0	0.15	0.44	0.38	0.27	2d8/15 L=40	24,24,16
145	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.38	0.21	0.16	2d8/15 L=40	28,8,16
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.37	0.21	0.16	2d8/15 L=40	24,16,16
		40.0	0.50	8.0	8.0	0.0	0.15	0.36	0.21	0.17	2d8/15 L=40	24,16,16
156	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.32	0.15	0.12	2d8/15 L=40	24,13,16
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.31	0.15	0.12	2d8/15 L=40	24,16,16
		40.0	0.50	8.0	8.0	0.0	0.15	0.30	0.15	0.12	2d8/15 L=40	24,16,16
164	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.27	0.11	0.09	2d8/15 L=40	24,13,28
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.26	0.11	0.10	2d8/15 L=40	24,16,28
		40.0	0.50	8.0	8.0	0.0	0.15	0.24	0.11	0.11	2d8/15 L=40	24,16,28
169	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.22	0.08	0.08	2d8/15 L=40	24,25,28
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.22	0.08	0.09	2d8/15 L=40	8,28,28
		40.0	0.50	8.0	8.0	0.0	0.15	0.22	0.09	0.09	2d8/15 L=40	8,28,28
173	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.21	0.08	0.08	2d8/15 L=40	8,25,25
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.20	0.07	0.08	2d8/15 L=40	8,28,28
		40.0	0.50	8.0	8.0	0.0	0.15	0.21	0.07	0.08	2d8/15 L=40	16,28,28
174	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.21	0.08	0.09	2d8/15 L=40	8,21,21
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.22	0.08	0.08	2d8/15 L=40	16,21,21
		40.0	0.50	8.0	8.0	0.0	0.15	0.22	0.08	0.08	2d8/15 L=40	16,24,21
175	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.23	0.10	0.10	2d8/15 L=40	16,21,21
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.23	0.10	0.10	2d8/15 L=40	16,21,21
		40.0	0.50	8.0	8.0	0.0	0.15	0.24	0.10	0.09	2d8/15 L=40	28,8,21
176	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.25	0.14	0.11	2d8/15 L=40	16,5,21
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.26	0.14	0.11	2d8/15 L=40	28,5,21
		40.0	0.50	8.0	8.0	0.0	0.15	0.28	0.14	0.10	2d8/15 L=40	28,8,5
136	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.29	0.21	0.14	2d8/15 L=40	28,5,5
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.30	0.21	0.14	2d8/15 L=40	28,5,5
		40.0	0.50	8.0	8.0	0.0	0.15	0.31	0.20	0.14	2d8/15 L=40	28,5,5
149	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.35	0.36	0.24	2d8/15 L=40	28,21,21
	s=5,m=1	20.0	0.50	8.0	8.0	0.0	0.15	0.38	0.36	0.23	2d8/15 L=40	25,21,5

		40.0	0.50	8.0	8.0	0.0	0.15	0.46	0.35	0.23	2d8/15 L=40	25,21,5
157	ok,ok	0.0	0.50	8.0	8.0	0.0	0.15	0.54	0.57	0.42	2d8/15 L=23	25,5,21
	s=5,m=1	21.4	0.50	8.0	8.0	0.0	0.15	0.70	0.57	0.41	2d8/15 L=23	25,5,21
		42.8	0.50	8.0	8.0	0.0	0.15	0.86	0.57	0.39	2d8/15 L=23	21,5,21
							M_T= 1	**Z=320.0**	**P=1**	**P=7**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
7	ok,ok	0.0	0.51	6.2	6.2	0.0	0.12	0.57	0.50	0.15	2d8/8 L=50	18,25,36
	s=9,m=1	185.8	0.51	6.2	6.2	0.0	0.12	0.06	0.47	0.33	2d8/20 L=237	14,25,36
		371.5	0.51	6.2	6.2	0.0	0.12	0.62	0.50	0.15	2d8/8 L=50	18,25,36
6	ok,ok	0.0	0.51	6.2	6.2	0.0	0.12	0.70	0.39	0.15	2d8/8 L=50	16,27,36
	s=9,m=1	186.5	0.51	6.2	6.2	0.0	0.12	0.04	0.36	0.34	2d8/20 L=233	9,27,36
		373.0	0.51	6.2	6.2	0.0	0.12	0.63	0.39	0.15	2d8/8 L=50	18,27,36
13	ok,ok	0.0	0.51	6.2	6.2	0.0	0.12	0.63	0.54	0.17	2d8/8 L=50	16,26,36
	s=9,m=1	163.9	0.51	6.2	6.2	0.0	0.12	0.11	0.50	0.38	2d8/20 L=193	18,26,36
		327.8	0.51	6.2	6.2	0.0	0.12	0.48	0.54	0.17	2d8/8 L=50	18,26,36
111	ok,ok	0.0	0.51	6.2	6.2	0.0	0.12	0.47	0.48	0.17	2d8/8 L=50	16,36,36
	s=9,m=1	163.9	0.51	6.2	6.2	0.0	0.12	0.09	0.46	0.38	2d8/20 L=193	16,36,36
		327.8	0.51	6.2	6.2	0.0	0.12	0.63	0.48	0.17	2d8/8 L=50	18,36,36
112	ok,ok	0.0	0.51	6.2	6.2	0.0	0.12	0.65	0.42	0.17	2d8/8 L=50	16,33,36
	s=9,m=1	163.9	0.51	6.2	6.2	0.0	0.12	0.03	0.39	0.39	2d8/20 L=188	7,33,36
		327.8	0.51	6.2	6.2	0.0	0.12	0.67	0.42	0.17	2d8/8 L=50	18,33,36
113	ok,ok	0.0	0.51	6.2	6.2	0.0	0.12	0.58	0.53	0.17	2d8/8 L=50	16,35,36
	s=9,m=1	165.5	0.51	6.2	6.2	0.0	0.12	0.06	0.51	0.38	2d8/20 L=196	20,35,36
		331.0	0.51	6.2	6.2	0.0	0.12	0.56	0.53	0.17	2d8/8 L=50	16,35,36
							M_T= 2	**Z=320.0**	**P=1**	**P=8**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
8	ok,ok	0.0	1.01	8.0	12.1	0.0	0.18	0.92	0.41	0.21	2d8/8 L=50	33,27,36
	s=9,m=1	522.8	1.01	8.0	12.1	0.0	0.18	0.92	0.41	0.21	2d8/8 L=50	36,27,36
							M_T= 3	**Z=320.0**	**P=8**	**P=14**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
9	ok,ok	0.0	0.51	6.2	6.2	0.0	0.12	0.57	0.50	0.15	2d8/8 L=50	9,22,36
	s=9,m=1	185.8	0.51	6.2	6.2	0.0	0.12	0.06	0.47	0.33	2d8/20 L=237	5,22,36
		371.5	0.51	6.2	6.2	0.0	0.12	0.62	0.50	0.15	2d8/8 L=50	9,22,36
10	ok,ok	0.0	0.51	6.2	6.2	0.0	0.12	0.70	0.39	0.15	2d8/8 L=50	7,24,36
	s=9,m=1	373.1	0.51	6.2	6.2	0.0	0.12	0.63	0.39	0.15	2d8/8 L=50	9,24,36
11	ok,ok	0.0	0.51	6.2	6.2	0.0	0.12	0.63	0.54	0.17	2d8/8 L=50	7,27,36
	s=9,m=1	163.8	0.51	6.2	6.2	0.0	0.12	0.11	0.51	0.38	2d8/20 L=193	9,27,36
		327.7	0.51	6.2	6.2	0.0	0.12	0.48	0.54	0.17	2d8/8 L=50	9,27,36
108	ok,ok	0.0	0.51	6.2	6.2	0.0	0.12	0.47	0.48	0.17	2d8/8 L=50	7,33,36
	s=9,m=1	164.0	0.51	6.2	6.2	0.0	0.12	0.09	0.46	0.38	2d8/20 L=193	7,33,36
		327.9	0.51	6.2	6.2	0.0	0.12	0.63	0.48	0.17	2d8/8 L=50	9,33,36
109	ok,ok	0.0	0.51	6.2	6.2	0.0	0.12	0.65	0.42	0.17	2d8/8 L=50	7,30,36
	s=9,m=1	163.8	0.51	6.2	6.2	0.0	0.12	0.03	0.39	0.39	2d8/20 L=188	16,30,36
		327.7	0.51	6.2	6.2	0.0	0.12	0.67	0.42	0.17	2d8/8 L=50	9,30,36
110	ok,ok	0.0	0.51	6.2	6.2	0.0	0.12	0.58	0.53	0.17	2d8/8 L=50	7,32,36
	s=9,m=1	165.5	0.51	6.2	6.2	0.0	0.12	0.06	0.51	0.38	2d8/20 L=196	11,32,36
		331.0	0.51	6.2	6.2	0.0	0.12	0.56	0.53	0.17	2d8/8 L=50	7,32,36
							M_T= 4	**Z=320.0**	**P=4**	**P=11**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
12	ok,ok	0.0	1.13	10.1	14.1	0.0	0.25	0.87	0.39	0.24	2d8/5 L=50	26,33,36
	s=10,m=1	261.4	0.80	10.1	10.1	0.0	0.21	0.63	0.18	0.27	2d8/12 L=383	2,33,36
		522.8	1.13	10.1	14.1	0.0	0.25	0.87	0.39	0.24	2d8/5 L=50	21,33,36
							M_T= 9	**Z=320.0**	**P=2**	**P=9**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
99	ok,ok	0.0	0.96	10.1	12.1	0.0	0.23	0.94	0.38	0.21	2d8/5 L=50	36,26,36
	s=11,m=1	261.4	0.80	10.1	10.1	0.0	0.21	0.61	0.19	0.24	2d8/12 L=393	2,26,36
		522.8	0.96	10.1	12.1	0.0	0.23	0.93	0.38	0.21	2d8/5 L=50	33,26,36
							M_T= 10	**Z=320.0**	**P=3**	**P=10**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
100	ok,ok	0.0	1.13	10.1	14.1	0.0	0.25	0.84	0.42	0.24	2d8/5 L=50	30,33,36
	s=11,m=1	261.4	0.80	10.1	10.1	0.0	0.21	0.71	0.20	0.26	2d8/12 L=393	2,33,36
		522.8	1.13	10.1	14.1	0.0	0.25	0.84	0.42	0.24	2d8/5 L=50	33,33,36
							M_T= 11	**Z=320.0**	**P=7**	**P=14**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
103	ok,ok	0.0	0.84	8.0	10.1	0.0	0.15	0.87	0.38	0.19	2d8/8 L=50	26,33,36
	s=9,m=1	522.8	0.84	8.0	10.1	0.0	0.15	0.87	0.38	0.19	2d8/8 L=50	21,33,36
							M_T= 12	**Z=320.0**	**P=5**	**P=12**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
107	ok,ok	0.0	0.96	10.1	12.1	0.0	0.23	0.86	0.35	0.20	2d8/5 L=50	26,33,36
	s=10,m=1	261.4	0.80	10.1	10.1	0.0	0.21	0.55	0.19	0.24	2d8/12 L=393	2,33,36
		522.8	0.96	10.1	12.1	0.0	0.23	0.86	0.35	0.20	2d8/5 L=50	27,33,36
							M_T= 13	**Z=320.0**	**P=6**	**P=13**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
114	ok,ok	0.0	0.96	10.1	12.1	0.0	0.23	0.87	0.37	0.20	2d8/5 L=50	26,33,36
	s=10,m=1	261.4	0.80	10.1	10.1	0.0	0.21	0.54	0.20	0.24	2d8/12 L=393	2,33,36
		522.8	0.96	10.1	12.1	0.0	0.23	0.87	0.37	0.20	2d8/5 L=50	27,33,36

Trave	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc
	1.13	10.05	14.07	0.0	0.25	0.97	1.01	0.99

Trave	M negativo i	M positivo i	M negativo f	M positivo f	Luce per V	V M-i M+f	V M+i M-f	VEd,min	VEd,max	Vr1	As
	kN m	kN m	kN m	kN m	cm	kN	kN	kN	kN	kN	cm2
6	82.00	82.00	82.00	82.00	332.97	54.18	54.18	0.0	0.0	0.0	0.0
7	82.00	82.00	82.00	82.00	336.53	53.61	53.61	0.0	0.0	0.0	0.0
8	156.83	105.88	156.83	105.88	482.84	59.85	59.85	0.0	0.0	0.0	0.0
9	82.00	82.00	82.00	82.00	336.53	53.61	53.61	0.0	0.0	0.0	0.0
10	82.00	82.00	82.00	82.00	333.12	54.15	54.15	0.0	0.0	0.0	0.0
11	82.00	82.00	82.00	82.00	292.66	61.64	61.64	0.0	0.0	0.0	0.0
12	102.17	74.47	102.17	74.47	482.84	40.24	40.24	0.0	0.0	0.0	0.0
13	82.00	82.00	82.00	82.00	292.81	61.61	61.61	0.0	0.0	0.0	0.0
99	88.38	74.45	88.38	74.45	492.84	36.34	36.34	0.0	0.0	0.0	0.0
100	102.17	74.47	102.17	74.47	492.83	39.43	39.43	0.0	0.0	0.0	0.0
103	131.44	105.84	131.44	105.84	482.84	54.06	54.06	0.0	0.0	0.0	0.0
107	88.38	74.45	88.38	74.45	492.83	36.34	36.34	0.0	0.0	0.0	0.0
108	82.00	82.00	82.00	82.00	292.93	61.59	61.59	0.0	0.0	0.0	0.0
109	82.00	82.00	82.00	82.00	287.66	62.71	62.71	0.0	0.0	0.0	0.0
110	82.00	82.00	82.00	82.00	295.98	60.95	60.95	0.0	0.0	0.0	0.0
111	82.00	82.00	82.00	82.00	292.77	61.62	61.62	0.0	0.0	0.0	0.0
112	82.00	82.00	82.00	82.00	287.81	62.68	62.68	0.0	0.0	0.0	0.0
113	82.00	82.00	82.00	82.00	295.98	60.95	60.95	0.0	0.0	0.0	0.0
114	88.38	74.45	88.38	74.45	492.84	36.34	36.34	0.0	0.0	0.0	0.0

Trave	M negativo i	M positivo i	M negativo f	M positivo f	V M-i M+f	V M+i M-f	VEd,min	VEd,max	Vr1	As
							0.0			
	156.83	105.88	156.83	105.88	62.71	62.71		0.0	0.0	0.0

VERIFICHE ELEMENTI PARETE E/O GUSCIO IN C.A.

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

Per le pareti in c.a., in ottemperanza al cap. 7 del DM 17-01-18, viene effettuata una doppia progettazione: sia come *Singolo Elemento* sia come *Parete Sismica* o *Parete Debolmente Armata.*

Per la progettazione come *Singolo Elemento* di ogni elemento vengono riportati il codice dello stato di verifica con le sigle **Ok e NV,** il rapporto x/d, la verifica per sollecitazioni ultime (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti), gli sforzi membranali e flessionali, il quantitativo di armatura nella direzione principale e secondaria sia inferiore che superiore e il quantitativo di armatura a taglio.

Per la progettazione come *Parete Sismica* o *Parete Debolmente Armata* vengono riportate invece le caratteristiche geometriche della parete e delle zone dissipative (quest'ultime solo nel caso di parete sismica), i coefficienti di verifica a compressione assiale, pressoflessione e sollecitazioni taglianti.

Inoltre vengono riportate per ogni quota significativa l'armatura principale e secondaria, l'armatura in zona confinata (solo per parete sismica) e non confinata, l'armatura concentrata all'estremità (per pareti debolmente armate), lo sforzo assiale aggiuntivo per q superiore a 2 e i valori di inviluppo di taglio e momento. Per le pareti debolmente armate viene riportato anche lo stato di verifica relativo alla snellezza.

Le azioni derivate dall'analisi, in ogni combinazione di calcolo, sono elaborate come previsto al punto 7.4.4.5.1: traslazione del momento, incremento e variazione diagramma taglio, incremento e decremento sforzo assiale

La progettazione nel caso dei gusci viene effettuata una progettazione come *Singolo Elemento,* riportando in tabella il rapporto x/d, la verifica per sollecitazioni ultime, (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti) di ogni elemento.

Per ogni elemento, viene riportata inoltre la maglia di armatura necessaria in relazione alle risultanze della progettazione dei nodi dell'elemento stesso. Le quantità di armature necessarie sono armature (disposte rispettivamente in direzione principale e secondaria, inferiore e superiore) distribuite nell'elemento ed espresse in centimetri quadri per sviluppo lineare pari ad un metro.

Nel caso dei gusci viene effettuata, inoltre, la verifica a punzonamento, riportando in tabella il codice dello stato di verifica, il coefficiente di verifica per piastre prive di armature a taglio lungo il perimetro resistente e lungo il perimetro del pilastro, coefficiente di incremento dovuto ai momenti flettenti, fattore di amplificazione per le fondazioni, il fattorei di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta, il quantitativo di armatura a punzonamento, il numero di serie di armature, il numero di braccia di armatura ed il riferimento alla combinazione più gravosa.

Simbologia adottata nelle tabelle di verifica

Per gli elementi con progettazione di tipo "*Singolo Elemento …*" è presente una tabella con i simboli di seguito descritti:

Macro Guscio	Numero del macroelemento di tipo guscio (elementi non verticali contigui ed analoghi per proprietà)
Macro Setto	Numero del macroelemento di tipo setto (elementi verticali contigui ed analoghi per proprietà)
Spessore	Spessore della parete
Id Materiale	Codice del materiale assegnato all'elemento
Id Criterio	Codice del criterio di progetto assegnato all'elemento

Progettazione	Sigla tipo di Elemento: - Singolo Elemento; - Singolo Elemento FONDAZIONE; - Singolo Elemento NON DISSIPATIVO

Per gli elementi con progettazione di tipo "*Parete Sismica" e "Parete Debolmente Armata*" è presente una tabella con i simboli di seguito descritti:

Parete	Numero della PARETE SISMICA
Parete PDA	Numero della PARETE DEBOLMENTE ARMATA
H totale	Altezza complessiva della parete
Spessore	Spessore della parete
H critica	Altezza come da punto 7.4.4.5.1 per traslazione momento (solo in Parete Sismica)
H critica V	Altezza della zona dissipativa (solo in Parete Sismica)
L totale	Larghezza di base della parete
L confinata	Lunghezza della zona dissipativa (solo in Parete Sismica)
Verif. N	Verifica di cui al punto 7.4.4.5.1 compressione semplice
Verif. N-M	Verifica di cui al punto 7.4.4.5.1 pressoflessione
Fattore V	Fattore di amplificazione del taglio di cui al punto 7.4.4.5.1
Diagramma V	Diagramma elaborato per effetto modi superiori come da fig. 7.4.4
Verif. V	Verifica di cui al punto 7.4.4.5.1 taglio (compressione cls, trazione acciaio, scorrimento in zona critica) (solo in Parete Sismica)
Verifica Snellezza	Verifica di cui al punto 7.4.4.5.1 limitazione compressione per prevenire l'instabilità (solo in Parete Debolmente Armata)
Prog. composta	Sigla per la progettazione composta

Sia per le verifiche degli elementi con progettazione di tipo "*Singolo Elemento …*" e "*Parete …*" è presente una tabella con i simboli di seguito descritti:

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
V N/M	Verifica delle sollecitazioni Normali (momento e sforzo normale)
Ver. rid	Rapporto Nd/Nu (Nu ottenuto con riduzione del 25% di fcd)
Af pr+	quantità di armatura richiesta in direzione principale relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af pr-	quantità di armatura richiesta in direzione principale relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec+	quantità di armatura richiesta in direzione secondaria relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec-	quantità di armatura richiesta in direzione secondaria relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Nz No Nzo	Sforzi membranali per pareti e\o setti verticali
Mz Mo Mzo	Sforzi flessionali per pareti e\o setti verticali
Nx Ny Nxy	Sforzi membranali per gusci orizzontali
Mx Mx Mxy	Sforzi flessionali per gusci orizzontali

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
Max tau	Tensione tangenziale Massima
Ver V pr	Verifica a taglio nella direzione principale lato calcestruzzo
Ver V sec	Verifica a taglio nella direzione secondaria lato calcestruzzo
Af V pr	Armatura nella direzione principale
V pr-	Verifica dell'armatura nella direzione principale
Af V sec	Armatura nella direzione secondaria

V sec-	Verifica dell'armatura nella direzione secondaria

Per le verifiche degli elementi con progettazione "*Parete Sismica o Parete Debolmente Armata*", oltre alla tabella con le verifiche per gli elementi con progettazione "*Singolo Elemento …*", è presente una tabella con i simboli di seguito descritti:

Quota	Ascissa verticale di riferimento
Af conf.	Numero e diametro armatura presente in una zona confinata
Af std	Diametro e passo armatura in zona non confinata (doppia maglia)
Af estremi	Diametro dei ferri di estremità del pannello; se posto uguale 0, viene utilizzato il diametro standard
Af V (ori)	Diametro e passo armatura orizzontale (doppia maglia)
Ver. N	Rapporto tra azione di calcolo e resistenza a compressione (normalizzato a 1 in quanto da confrontare con 40% in CDB e 35 % in CDA)
Ver. N/M	Rapporto tra azione di calcolo e resistenza a pressoflessione
Ver. V acc(7)	Rapporto tra azione di calcolo e resistenza a taglio-trazione per alfaS minore di 2 secondo paragrafo 7.4.4.5.1
Ver. V cls	Rapporto tra azione di calcolo e resistenza a taglio-compressione
Ver. V acc	Rapporto tra azione di calcolo e resistenza a taglio-trazione
Ver. V scorr.	Rapporto tra azione di calcolo e resistenza a taglio scorrimento
N add	Sforzo assiale di cui al punto 7.4.4.5.1 da sommare e sottrarre nelle verifiche quando q supera 2
N invil M invil	Inviluppo del Momento e Sforzo Normale come al punto 7.4.4.5.1 (informativo) (solo in Parete Sismica)

Quota	Ascissa verticale di riferimento
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore
N v.Vacc, M v.Vacc, V v.Vacc,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. acc attinge il massimo valore
N v.Vscorr, M v.Vscorr, V v.Vscorr,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. scorr.e
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore

Quota	Ascissa verticale di riferimento
CtgT Vcls	Valore di ctg(teta) adottato nella verifica V compressione cls
Vrsd Vcls	Valore della resistenza a taglio trazione (armatura di calcolo)
Vrcd Vcls	Valore della resistenza a taglio compressione
CtgT Vacc	Valore di ctg(teta) adottato nella verifica V trazione armatura
Vrsd Vacc	Valore della resistenza a taglio trazione (armatura presente)
Vrcd Vacc	Valore della resistenza a taglio compressione
Vdd	Valore del contributo alla resistenza allo scorrimento come da [7.4.20]
Vid	Valore del contributo alla resistenza allo scorrimento come da [7.4.21]
A s.i.	Somma delle aree di armature

Incli.	Angolo di inclinazione delle armature
Dist.	Distanza alla base tra le armature inclinate

Quota	Ascissa verticale di riferimento
V[7.4.16]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.16)
N M V	Sollecitazioni di calcolo della condizione più gravosa
Alfas	Rapporto di Taglio
Vrd,c	Resistenza a taglio degli elementi non armati
VRd,s	Resistenza a taglio nei confronti dello scorrimento
V[7.4.17]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.17)
roH	Rapporto tra l'armatura orizzontale e l'area della sezione relativa di calcestruzzo
roV	Rapporto tra l'armatura verticale e l'area della sezione relativa di calcestruzzo
roN	Sforzo normale adimensionalizzato Ned/(bw fyd)

Per la verifica a *Punzonamento* è presente una tabella con i simboli di seguito descritti:

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
V. 6.47	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro resistente U1
V. 6.53	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro del pilastro U0
Beta	Fattore di incremento dovuto ai momenti flettenti
f. a fon	fattore di amplificazione per le fondazioni (solo per gusci di fondazione)
f. Uout	fattore di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta
Aw tot	Quantitativo di armatura per la verifica di piastre munite di armatura (formula 6.52 dell'EC2)
Asw,min	Quantitativo minimo di armatura previsto dai dettagli costruttivi (formula 9.11 dell'EC2)
n. x serie	Numero di serie di armature
n.ser 0(R)	Numero di braccia delle armatura in direzione 0 (o numero di braccia radiale)
n.ser 90	Numero di braccia delle armatura in direzione 90 (solo se armatura cruciforme)
Rif. cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

PROGETTAZIONE DELLE FONDAZIONI

Il D.M.17/01/2018 - par: 7.2.5 prevede:
"Sia per CD"A" sia per CD"B" il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:

- quella derivante dall'analisi strutturale eseguita ipotizzando comportamento strutturale non dissipativo;
- […];
- quella trasferita dagli elementi soprastanti nell'ipotesi di comportamento strutturale dissipativo, amplificata di un coefficiente pari a 1,30 in CD"A" e 1,10 in CD"B";

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

La progettazione degli elementi strutturali con proprietà fondazione è effettuata da PRO_SAP (per travi e platee) o da PRO_CAD Plinti (per plinti e pali di fondazione) incrementando la componente sismica delle combinazioni di un coefficiente pari 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.
Per i bicchieri dei plinti di fondazione prefabbricati l'incremento delle sollecitazioni ha un fattore pari a 1.2 in CDB e 1.35 in CDA.

N.B.: nel caso di comportamento strutturale non dissipativo la progettazione viene effettuata senza nessun incremento.

Le verifiche geotecniche di pali, plinti, plinti su pali, travi e platee vengono effettuate dal modulo geotecnico incrementando automaticamente la componente sismica delle azioni di un fattore 1.1 in CDB e 1.3 in CDA.

N.B.: nel caso di comportamento strutturale non dissipativo le verifiche geotecniche vengono effettuate senza nessun incremento.

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
1	40.00	1	2	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									kN/ m	kN/ m	kN/ m	kN	kN	kN
1	ok	0.11	1.0	9.53e-03	11.4	13.5	10.7	13.3	3.6	59.3	17.0	38.7	124.8	63.1
3	ok	0.11	1.0	9.16e-03	12.1	12.5	9.4	12.5	11.7	-21.8	2.2	-67.0	-93.2	-50.0
5	ok	0.09	1.0	6.34e-03	6.8	7.3	7.1	9.1	-31.9	27.0	-8.7	-37.0	85.1	-24.1
7	ok	0.09	1.0	6.26e-03	6.8	7.3	7.3	9.2	-31.6	27.0	8.6	-36.5	86.9	24.0
9	ok	0.10	1.0	9.66e-03	9.1	10.7	8.1	10.7	15.4	-15.3	0.2	-60.0	-78.0	39.3
11	ok	0.10	1.0	1.03e-02	8.9	11.2	8.9	11.2	4.0	65.5	-19.4	26.2	106.1	-51.9
13	ok	0.11	1.0	1.54e-02	9.0	10.0	12.2	14.8	0.1	-101.4	-3.8	-2.7	-158.9	-31.3
15	ok	0.12	1.0	1.49e-02	12.4	13.9	15.6	17.6	32.1	-98.9	13.9	24.2	-163.3	67.1
17	ok	0.10	1.0	1.02e-02	8.4	11.0	8.4	11.3	-9.5	51.6	-11.5	41.6	112.9	-44.7
18	ok	0.09	1.0	1.00e-02	5.7	6.0	5.7	7.7	-42.4	54.8	-22.9	14.7	82.2	-9.3
19	ok	0.10	1.0	8.33e-03	9.1	10.5	9.1	10.6	9.4	-29.4	16.7	-57.9	-97.1	38.5
20	ok	0.08	0.7	8.64e-03	5.7	5.7	5.7	5.7	-25.1	22.5	-17.9	23.4	43.9	-4.2
21	ok	0.08	0.7	7.94e-03	5.7	5.7	5.7	5.7	-23.5	23.2	-23.1	35.5	30.5	-14.0
22	ok	0.08	0.5	6.57e-03	5.7	5.7	5.7	5.7	-31.0	1.6	-2.4	26.8	37.8	0.9
23	ok	0.08	0.5	8.67e-03	5.7	5.7	5.7	5.7	-46.7	-2.5	2.8	40.6	20.4	-4.9
24	ok	0.08	0.5	5.69e-03	5.7	5.7	5.7	5.7	-31.7	-5.3	4.2	31.9	33.8	7.3
25	ok	0.08	0.5	8.64e-03	5.7	5.7	5.7	5.7	-49.0	-5.6	4.4	43.8	17.4	4.2
26	ok	0.08	0.6	5.48e-03	5.7	5.7	5.7	5.7	-30.3	-7.8	7.1	32.8	33.1	14.8
27	ok	0.08	0.6	8.58e-03	5.7	5.7	5.7	5.7	-46.1	-6.0	4.9	43.2	17.1	13.6
28	ok	0.08	0.8	5.30e-03	5.7	5.7	5.7	5.7	-31.2	-10.3	4.2	33.0	36.8	21.9
29	ok	0.08	0.7	9.14e-03	5.7	5.7	5.7	5.7	-45.7	-7.0	5.4	38.9	18.4	26.6
30	ok	0.08	1.0	4.74e-03	5.7	5.7	5.7	5.7	-22.9	-9.2	4.9	30.0	45.1	30.5
31	ok	0.08	0.9	1.01e-02	5.7	5.7	5.7	5.7	-48.6	-10.3	-4.9	40.0	24.0	38.1
32	ok	0.08	1.0	5.32e-03	5.7	6.8	5.7	6.8	-10.1	2.7	14.3	22.7	61.8	38.5
33	ok	0.08	1.0	1.21e-02	5.9	6.5	5.9	6.5	-49.5	-9.4	-4.7	36.4	34.0	51.9
34	ok	0.12	1.0	1.70e-02	8.0	10.9	11.2	15.9	-1.1	109.7	4.9	5.4	167.5	33.2
35	ok	0.10	1.0	9.96e-03	8.5	10.3	8.5	10.3	-21.5	43.7	31.9	-14.4	68.7	85.6
36	ok	0.11	1.0	1.71e-02	7.7	9.2	12.0	15.2	-4.33e-02	-105.9	-0.9	-4.3	-160.0	-23.3
37	ok	0.08	1.0	6.46e-03	5.7	5.8	5.7	5.8	-27.7	33.7	6.8	22.6	68.1	9.5
38	ok	0.08	0.9	5.96e-03	5.7	5.7	5.7	5.7	-29.2	31.4	4.7	21.9	62.4	8.3
39	ok	0.08	0.8	5.82e-03	5.7	5.7	5.7	5.7	-33.4	18.1	-4.3	21.4	53.7	4.6
40	ok	0.08	0.6	5.07e-03	5.7	5.7	5.7	5.7	-22.2	3.3	2.8	21.8	45.0	6.3
41	ok	0.08	0.6	4.00e-03	5.7	5.7	5.7	5.7	-18.6	-3.3	6.1	24.8	42.9	9.8
42	ok	0.08	0.7	3.64e-03	5.7	5.7	5.7	5.7	-14.2	-6.6	10.7	25.4	43.1	14.6
43	ok	0.08	0.8	3.89e-03	5.7	5.7	5.7	5.7	-14.6	-8.8	8.1	26.0	47.0	17.4
44	ok	0.08	0.9	4.30e-03	5.7	5.7	5.7	5.7	-7.1	-4.3	14.5	22.9	54.7	22.0
45	ok	0.08	1.0	5.99e-03	5.7	6.4	5.7	6.4	1.1	4.7	11.1	16.9	66.9	30.6
46	ok	0.09	1.0	8.61e-03	5.7	7.5	5.7	7.8	-1.2	27.2	23.2	12.0	83.3	28.6
47	ok	0.10	1.0	1.64e-02	6.0	7.1	6.8	10.7	12.8	95.5	17.1	13.5	112.2	24.4
48	ok	0.08	0.8	5.04e-03	5.7	5.7	5.7	5.7	-27.4	21.0	5.6	19.7	51.2	7.8
49	ok	0.08	0.8	4.97e-03	5.7	5.7	5.7	5.7	-27.8	19.4	4.9	20.4	52.9	7.7
50	ok	0.08	0.8	4.42e-03	5.7	5.7	5.7	5.7	-25.5	12.5	2.4	21.4	53.2	7.6
51	ok	0.08	0.7	3.65e-03	5.7	5.7	5.7	5.7	-21.4	3.9	3.1	21.9	50.4	7.8
52	ok	0.08	0.7	2.94e-03	5.7	5.7	5.7	5.7	-16.6	-2.6	2.8	22.2	47.9	9.5
53	ok	0.08	0.7	3.33e-03	5.7	5.7	5.7	5.7	-11.3	-5.7	5.2	22.4	47.7	12.4
54	ok	0.08	0.8	3.92e-03	5.7	5.7	5.7	5.7	-6.2	-6.7	8.8	21.7	51.2	15.7
55	ok	0.08	0.9	4.57e-03	5.7	5.7	5.7	5.7	-0.8	-2.6	13.8	19.6	59.2	18.5
56	ok	0.08	1.0	5.77e-03	5.7	6.1	5.7	6.1	4.2	9.0	19.5	16.6	69.3	19.2
57	ok	0.08	1.0	7.81e-03	5.7	6.4	5.7	7.3	7.4	32.4	23.2	13.0	80.4	18.1
58	ok	0.09	1.0	1.28e-02	5.7	6.1	5.7	7.6	7.6	69.5	18.6	7.7	82.6	14.6
59	ok	0.08	0.7	3.62e-03	5.7	5.7	5.7	5.7	-18.8	13.2	7.2	18.7	49.2	7.6
60	ok	0.08	0.7	3.55e-03	5.7	5.7	5.7	5.7	-18.8	13.0	5.9	18.9	49.1	7.6
61	ok	0.08	0.7	3.23e-03	5.7	5.7	5.7	5.7	-17.8	8.8	3.8	19.9	49.7	7.9

62	ok	0.08	0.7	2.75e-03	5.7	5.7	5.7	5.7	-14.8	3.2	4.0	20.7	49.8	8.7
63	ok	0.08	0.7	2.80e-03	5.7	5.7	5.7	5.7	-10.9	-1.6	6.0	21.0	49.7	9.7
64	ok	0.08	0.7	3.38e-03	5.7	5.7	5.7	5.7	-6.7	-4.4	9.7	20.8	50.7	11.1
65	ok	0.08	0.8	3.95e-03	5.7	5.7	5.7	5.7	-2.6	-4.5	14.3	19.9	53.6	12.4
66	ok	0.08	0.9	4.55e-03	5.7	5.7	5.7	5.7	1.1	-0.3	19.3	18.2	58.3	13.0
67	ok	0.08	1.0	5.49e-03	5.7	5.7	5.7	5.7	4.0	10.3	23.5	15.7	64.0	12.8
68	ok	0.08	1.0	6.86e-03	5.7	6.0	5.7	6.1	5.1	27.9	24.4	12.0	69.4	12.0
69	ok	0.08	1.0	9.61e-03	5.7	5.8	5.7	6.1	4.2	48.9	18.0	5.8	69.3	8.6
70	ok	0.08	0.7	2.61e-03	5.7	5.7	5.7	5.7	-11.7	8.9	8.0	17.2	44.7	7.3
71	ok	0.08	0.7	2.59e-03	5.7	5.7	5.7	5.7	-10.6	8.6	9.0	17.2	44.9	7.6
72	ok	0.08	0.7	2.42e-03	5.7	5.7	5.7	5.7	-10.9	6.1	5.9	18.2	45.3	7.9
73	ok	0.08	0.7	2.47e-03	5.7	5.7	5.7	5.7	-9.0	2.6	6.9	18.9	45.8	8.6
74	ok	0.08	0.7	2.85e-03	5.7	5.7	5.7	5.7	-6.5	-0.6	9.5	19.3	46.3	9.3
75	ok	0.08	0.7	3.43e-03	5.7	5.7	5.7	5.7	-3.8	-2.5	13.4	19.2	47.4	9.8
76	ok	0.08	0.7	3.98e-03	5.7	5.7	5.7	5.7	-1.3	-2.3	18.0	18.5	49.3	10.0
77	ok	0.08	0.8	4.36e-03	5.7	5.7	5.7	5.7	0.9	1.4	22.5	17.0	52.0	9.8
78	ok	0.08	0.8	4.83e-03	5.7	5.7	5.7	5.7	2.4	8.7	25.3	14.5	55.0	9.1
79	ok	0.08	0.9	5.80e-03	5.7	5.7	5.7	5.7	2.9	19.7	24.2	10.6	57.7	8.4
80	ok	0.08	0.9	6.80e-03	5.7	5.7	5.7	5.7	2.4	31.2	17.0	4.7	58.0	4.9
81	ok	0.08	0.6	1.77e-03	5.7	5.7	5.7	5.7	-1.3	4.8	-5.43e-02	15.2	46.0	-0.3
82	ok	0.08	0.6	1.93e-03	5.7	5.7	5.7	5.7	-5.2	3.4	4.0	20.7	37.7	3.6
83	ok	0.08	0.6	2.04e-03	5.7	5.7	5.7	5.7	-4.9	2.0	3.9	21.4	38.9	3.7
84	ok	0.08	0.6	2.31e-03	5.7	5.7	5.7	5.7	-4.4	0.6	6.3	22.5	39.7	3.8
85	ok	0.08	0.6	2.80e-03	5.7	5.7	5.7	5.7	-4.4	-0.4	7.7	23.7	40.2	3.8
86	ok	0.08	0.6	3.46e-03	5.7	5.7	5.7	5.7	-4.4	-1.0	9.3	24.4	40.6	3.8
87	ok	0.08	0.6	4.10e-03	5.7	5.7	5.7	5.7	-4.3	-1.2	9.5	24.1	41.2	3.8
88	ok	0.08	0.6	4.41e-03	5.7	5.7	5.7	5.7	-4.4	-1.7	11.1	22.8	42.5	3.8
89	ok	0.08	0.7	4.54e-03	5.7	5.7	5.7	5.7	-4.3	-2.6	11.9	19.5	44.4	3.8
90	ok	0.08	0.7	4.79e-03	5.7	5.7	5.7	5.7	-3.7	-4.3	11.0	13.9	46.8	3.9
91	ok	0.08	0.7	4.55e-03	5.7	5.7	5.7	5.7	-2.6	-7.0	7.8	5.9	48.5	2.0
92	ok	0.08	0.6	1.69e-03	5.7	5.7	5.7	5.7	-1.3	4.7	5.31e-02	15.3	46.0	0.3
93	ok	0.08	0.6	1.87e-03	5.7	5.7	5.7	5.7	-4.9	3.3	-3.8	20.7	37.5	-3.5
94	ok	0.08	0.6	1.97e-03	5.7	5.7	5.7	5.7	-4.7	1.9	-3.7	21.4	38.7	-3.7
95	ok	0.08	0.6	2.30e-03	5.7	5.7	5.7	5.7	-4.2	0.5	-6.2	22.4	39.5	-3.9
96	ok	0.08	0.6	2.81e-03	5.7	5.7	5.7	5.7	-4.3	-0.5	-7.7	23.7	40.0	-3.9
97	ok	0.08	0.6	3.48e-03	5.7	5.7	5.7	5.7	-4.4	-0.9	-9.4	24.4	40.4	-3.8
98	ok	0.08	0.6	4.10e-03	5.7	5.7	5.7	5.7	-4.3	-1.1	-9.5	24.1	41.0	-3.8
99	ok	0.08	0.6	4.39e-03	5.7	5.7	5.7	5.7	-4.5	-1.6	-11.2	22.8	42.2	-3.7
100	ok	0.08	0.6	4.49e-03	5.7	5.7	5.7	5.7	-4.4	-2.6	-12.0	19.5	44.1	-3.6
101	ok	0.08	0.7	4.69e-03	5.7	5.7	5.7	5.7	-3.8	-4.5	-11.0	13.9	46.5	-3.6
102	ok	0.08	0.6	4.30e-03	5.7	5.7	5.7	5.7	-2.7	-7.6	-7.8	5.9	48.2	-1.7
103	ok	0.08	0.6	2.50e-03	5.7	5.7	5.7	5.7	-10.9	8.5	-8.0	17.0	44.2	-7.3
104	ok	0.08	0.6	2.50e-03	5.7	5.7	5.7	5.7	-10.0	8.2	-9.0	17.0	44.3	-7.6
105	ok	0.08	0.7	2.36e-03	5.7	5.7	5.7	5.7	-10.2	5.7	-6.0	18.0	44.8	-7.8
106	ok	0.08	0.7	2.46e-03	5.7	5.7	5.7	5.7	-8.3	2.4	-7.1	18.8	45.2	-8.6
107	ok	0.08	0.7	2.86e-03	5.7	5.7	5.7	5.7	-6.0	-0.6	-9.8	19.2	45.8	-9.3
108	ok	0.08	0.7	3.45e-03	5.7	5.7	5.7	5.7	-3.5	-2.3	-13.7	19.1	46.9	-9.7
109	ok	0.08	0.7	4.00e-03	5.7	5.7	5.7	5.7	-1.2	-1.9	-18.5	18.5	48.7	-9.8
110	ok	0.08	0.8	4.35e-03	5.7	5.7	5.7	5.7	0.8	1.7	-23.0	17.0	51.3	-9.5
111	ok	0.08	0.8	4.80e-03	5.7	5.7	5.7	5.7	2.0	9.1	-25.6	14.5	54.0	-8.9
112	ok	0.08	0.8	5.73e-03	5.7	5.7	5.7	5.7	2.4	19.3	-24.1	10.6	56.6	-8.2
113	ok	0.08	0.8	6.43e-03	5.7	5.7	5.7	5.7	2.0	29.0	-16.6	4.7	57.0	-4.8
114	ok	0.08	0.7	3.51e-03	5.7	5.7	5.7	5.7	-18.1	12.6	-7.2	18.7	48.8	-7.6
115	ok	0.08	0.7	3.44e-03	5.7	5.7	5.7	5.7	-18.2	12.4	-5.8	19.0	49.0	-7.5
116	ok	0.08	0.7	3.09e-03	5.7	5.7	5.7	5.7	-17.0	8.1	-3.9	19.7	49.1	-7.9
117	ok	0.08	0.7	2.67e-03	5.7	5.7	5.7	5.7	-14.0	2.9	-4.3	20.6	49.4	-8.6
118	ok	0.08	0.7	2.84e-03	5.7	5.7	5.7	5.7	-10.3	-1.5	-6.5	20.9	49.4	-9.7
119	ok	0.08	0.7	3.40e-03	5.7	5.7	5.7	5.7	-6.3	-4.3	-10.1	20.7	50.5	-11.0
120	ok	0.08	0.8	3.98e-03	5.7	5.7	5.7	5.7	-2.3	-4.3	-14.8	19.8	53.3	-12.2
121	ok	0.08	0.9	4.61e-03	5.7	5.7	5.7	5.7	1.3	1.6	-20.0	18.2	58.1	-12.7
122	ok	0.08	0.9	5.43e-03	5.7	5.7	5.7	5.7	3.9	11.1	-24.4	15.8	63.5	-12.3
123	ok	0.08	1.0	6.81e-03	5.7	5.9	5.7	5.9	4.5	28.5	-24.9	12.1	67.9	-11.7
124	ok	0.08	1.0	9.14e-03	5.7	5.9	5.7	6.0	3.2	46.0	-17.9	5.8	68.4	-8.4
125	ok	0.08	0.8	4.74e-03	5.7	5.7	5.7	5.7	-25.4	20.8	-6.7	19.1	51.6	-7.9
126	ok	0.08	0.8	4.67e-03	5.7	5.7	5.7	5.7	-23.8	18.4	-4.9	19.2	51.2	-8.3
127	ok	0.08	0.8	4.27e-03	5.7	5.7	5.7	5.7	-24.6	11.4	-2.3	21.3	52.7	-7.5
128	ok	0.08	0.7	3.52e-03	5.7	5.7	5.7	5.7	-20.5	3.9	-2.8	21.8	50.3	-8.0
129	ok	0.08	0.7	2.92e-03	5.7	5.7	5.7	5.7	-16.1	-2.3	-2.9	22.2	48.1	-9.6
130	ok	0.08	0.7	3.33e-03	5.7	5.7	5.7	5.7	-10.8	-5.6	-5.5	22.3	47.9	-12.3
131	ok	0.08	0.8	3.89e-03	5.7	5.7	5.7	5.7	-5.7	-5.7	-9.2	21.6	51.9	-15.7
132	ok	0.08	0.9	4.73e-03	5.7	5.7	5.7	5.7	2.83e-02	-2.5	-14.2	19.5	59.1	-18.1
133	ok	0.08	1.0	5.89e-03	5.7	6.1	5.7	6.1	5.2	9.3	-20.2	16.7	69.9	-18.6
134	ok	0.08	1.0	8.00e-03	5.7	6.5	5.7	7.3	7.8	34.2	-24.7	13.6	80.3	-17.0
135	ok	0.09	1.0	1.25e-02	5.7	6.2	5.7	7.4	6.0	65.8	-20.9	7.6	80.3	-14.1
136	ok	0.08	0.8	6.13e-03	5.7	5.7	5.7	5.7	-33.0	27.0	-8.2	21.4	55.6	-7.4
137	ok	0.08	0.9	6.11e-03	5.7	5.7	5.7	5.7	-36.5	30.9	-2.6	24.2	62.3	-5.7
138	ok	0.08	0.8	5.43e-03	5.7	5.7	5.7	5.7	-31.1	18.1	3.4	21.3	53.9	-5.2

139	ok	0.08	0.6	5.03e-03	5.7	5.7	5.7	5.7	-22.8	3.3	-2.8	21.9	45.5	-6.7
140	ok	0.08	0.6	3.99e-03	5.7	5.7	5.7	5.7	-18.1	-3.0	-6.4	24.5	43.1	-9.9
141	ok	0.08	0.7	3.56e-03	5.7	5.7	5.7	5.7	-18.9	-7.5	-4.2	25.8	43.6	-12.5
142	ok	0.08	0.8	3.82e-03	5.7	5.7	5.7	5.7	-13.6	-8.6	-8.5	25.7	47.2	-17.2
143	ok	0.08	0.9	4.17e-03	5.7	5.7	5.7	5.7	-6.0	-4.1	-14.9	22.4	54.7	-21.5
144	ok	0.08	1.0	6.45e-03	5.7	6.3	5.7	6.3	2.9	4.6	-10.5	16.6	65.0	-30.1
145	ok	0.09	1.0	9.06e-03	5.7	7.3	5.7	8.6	11.9	34.1	-16.7	12.6	90.2	-30.8
146	ok	0.10	1.0	1.55e-02	6.0	6.9	6.1	9.9	17.6	89.1	-15.9	12.4	103.3	-24.4
147	ok	0.10	1.0	6.11e-03	6.2	7.3	7.8	10.6	-29.9	41.5	-1.3	21.0	123.2	-19.0
148	ok	0.09	1.0	1.01e-02	5.7	6.0	5.7	7.6	-27.4	43.2	14.2	19.1	89.6	-12.7
149	ok	0.08	0.7	9.50e-03	5.7	5.7	5.7	5.7	-34.6	17.6	7.6	19.6	47.3	0.7
150	ok	0.08	0.5	6.77e-03	5.7	5.7	5.7	5.7	-30.3	2.5	2.2	26.2	38.2	-2.3
151	ok	0.08	0.5	5.67e-03	5.7	5.7	5.7	5.7	-30.8	-4.8	-4.0	31.4	34.6	-7.3
152	ok	0.08	0.6	5.33e-03	5.7	5.7	5.7	5.7	-28.9	-7.7	-7.1	32.3	33.8	-16.6
153	ok	0.08	0.8	5.07e-03	5.7	5.7	5.7	5.7	-29.8	-10.2	-4.1	32.4	37.4	-21.6
154	ok	0.08	0.9	4.49e-03	5.7	5.7	5.7	5.7	-21.6	-8.6	-5.2	29.5	45.8	-30.1
155	ok	0.08	1.0	5.35e-03	5.7	6.6	5.7	6.6	-9.8	2.8	-13.4	22.0	60.0	-37.0
156	ok	0.09	1.0	1.00e-02	6.0	8.1	6.0	8.9	5.3	32.8	-28.0	15.2	85.1	-41.4
157	ok	0.11	1.0	1.79e-02	7.1	8.2	12.6	15.6	30.0	108.3	10.2	19.2	155.4	-40.0
158	ok	0.09	1.0	1.13e-02	8.0	9.2	8.0	9.2	-34.8	24.4	-31.5	-20.9	47.8	-92.9
159	ok	0.10	1.0	7.45e-03	9.5	9.7	8.1	9.7	2.0	62.7	-2.6	27.0	79.0	58.4
160	ok	0.08	0.7	7.57e-03	5.7	5.7	5.7	5.7	-22.1	25.9	25.2	35.1	31.3	14.1
161	ok	0.08	0.5	8.46e-03	5.7	5.7	5.7	5.7	-45.9	-1.3	1.2	40.4	20.8	4.8
162	ok	0.08	0.5	8.58e-03	5.7	5.7	5.7	5.7	-49.0	-5.5	-3.9	43.7	17.8	-4.2
163	ok	0.08	0.6	8.60e-03	5.7	5.7	5.7	5.7	-45.8	-6.1	-4.8	42.8	17.1	-13.4
164	ok	0.08	0.7	9.20e-03	5.7	5.7	5.7	5.7	-46.2	-7.3	-5.6	39.0	18.6	-26.3
165	ok	0.08	0.9	1.01e-02	5.7	5.7	5.7	5.7	-48.8	-9.7	4.7	39.9	23.7	-37.5
166	ok	0.08	1.0	1.17e-02	5.7	6.3	5.7	6.3	-49.4	-7.3	3.9	36.0	34.4	-50.7
167	ok	0.10	1.0	8.48e-03	9.8	9.7	8.4	9.7	17.4	-23.8	21.4	-64.0	-85.9	41.7
168	ok	0.08	0.7	3.48e-03	5.7	5.7	5.7	5.7	-19.7	12.8	-6.0	9.6	45.7	-3.0
169	ok	0.10	1.0	1.09e-02	8.0	11.1	8.0	10.4	-16.6	48.5	-13.8	36.0	103.9	-44.8
170	ok	0.08	1.0	1.04e-02	5.7	6.4	5.7	7.1	-47.0	52.9	-23.9	7.0	77.2	-15.7
171	ok	0.08	0.9	9.41e-03	5.7	5.7	5.7	5.7	-32.5	-14.8	23.5	-69.9	-17.6	6.2
172	ok	0.08	0.7	9.56e-03	5.7	5.7	5.7	5.7	-33.3	21.7	-22.3	16.4	40.3	-10.9
173	ok	0.08	0.5	1.05e-02	5.7	5.7	5.7	5.7	-50.1	-1.2	-7.9	31.0	16.8	-12.3
174	ok	0.08	0.5	8.25e-03	5.7	5.7	5.7	5.7	-34.6	2.5	-17.3	22.9	23.7	-11.9
175	ok	0.08	0.4	1.06e-02	5.7	5.7	5.7	5.7	-62.0	-5.1	3.8	29.6	13.2	-11.2
176	ok	0.08	0.4	7.78e-03	5.7	5.7	5.7	5.7	-45.7	-3.5	-1.0	21.0	27.3	-8.8
177	ok	0.08	0.3	1.07e-02	5.7	5.7	5.7	5.7	-58.0	-4.3	-8.4	24.3	11.0	7.9
178	ok	0.08	0.4	7.95e-03	5.7	5.7	5.7	5.7	-47.3	-4.8	5.0	23.5	25.5	3.1
179	ok	0.08	0.4	1.11e-02	5.7	5.7	5.7	5.7	-60.0	-5.0	-3.2	28.7	11.4	11.3
180	ok	0.08	0.4	8.08e-03	5.7	5.7	5.7	5.7	-43.5	-4.4	7.1	23.1	26.0	9.1
181	ok	0.08	0.5	1.17e-02	5.7	5.7	5.7	5.7	-60.4	-4.6	-1.7	30.5	14.5	18.7
182	ok	0.08	0.5	7.95e-03	5.7	5.7	5.7	5.7	-42.9	-3.0	7.2	22.7	29.9	13.0
183	ok	0.08	0.7	1.21e-02	5.7	5.7	5.7	5.7	-56.7	-5.92e-02	7.9	27.9	19.2	26.2
184	ok	0.08	0.7	8.07e-03	5.7	5.7	5.7	5.7	-39.5	5.7	9.2	19.0	38.6	17.5
185	ok	0.08	1.0	1.05e-02	6.4	5.7	6.1	5.7	-45.9	12.8	14.5	20.5	46.8	32.8
186	ok	0.09	1.0	9.78e-03	5.9	7.0	6.4	9.0	-17.8	38.2	0.6	19.4	103.6	20.5
187	ok	0.08	0.9	6.63e-03	5.7	5.7	5.7	5.7	-31.1	33.4	5.6	12.4	62.0	3.9
188	ok	0.08	0.9	6.63e-03	5.7	5.7	5.7	5.7	-33.1	34.2	-10.3	11.4	57.3	-5.0
189	ok	0.08	0.7	6.89e-03	5.7	5.7	5.7	5.7	-35.4	21.2	-15.4	12.8	46.7	-6.5
190	ok	0.08	0.6	6.77e-03	5.7	5.7	5.7	5.7	-33.5	5.9	-16.4	15.2	37.4	-5.2
191	ok	0.08	0.5	6.24e-03	5.7	5.7	5.7	5.7	-31.3	0.1	-13.5	16.6	32.5	-4.6
192	ok	0.08	0.5	5.86e-03	5.7	5.7	5.7	5.7	-34.4	-3.3	5.0	18.5	34.9	3.8
193	ok	0.08	0.5	5.91e-03	5.7	5.7	5.7	5.7	-33.8	-2.9	7.9	18.9	35.3	7.1
194	ok	0.08	0.6	6.11e-03	5.7	5.7	5.7	5.7	-33.5	-0.7	6.8	18.5	38.6	9.1
195	ok	0.08	0.7	6.40e-03	5.7	5.7	5.7	5.7	-33.0	5.8	12.3	17.4	45.4	13.5
196	ok	0.08	0.8	6.86e-03	5.7	5.7	5.7	5.7	-39.4	20.8	9.4	17.9	47.6	12.6
197	ok	0.08	0.7	5.33e-03	5.7	5.7	5.7	5.7	-29.8	21.5	-3.6	10.3	48.0	2.8
198	ok	0.08	0.7	5.38e-03	5.7	5.7	5.7	5.7	-30.4	19.8	-4.6	10.8	49.4	2.4
199	ok	0.08	0.7	5.43e-03	5.7	5.7	5.7	5.7	-29.4	13.5	-8.6	11.2	48.9	1.6
200	ok	0.08	0.6	5.34e-03	5.7	5.7	5.7	5.7	-28.1	6.0	-9.3	12.0	45.1	1.1
201	ok	0.08	0.6	5.00e-03	5.7	5.7	5.7	5.7	-24.7	2.0	-12.8	14.3	40.1	2.8
202	ok	0.08	0.5	4.52e-03	5.7	5.7	5.7	5.7	-24.8	-0.9	4.8	15.5	39.9	3.9
203	ok	0.08	0.6	4.45e-03	5.7	5.7	5.7	5.7	-24.3	-0.8	7.1	16.5	40.4	6.0
204	ok	0.08	0.6	4.84e-03	5.7	5.7	5.7	5.7	-24.9	1.1	10.0	17.3	43.7	7.8
205	ok	0.08	0.7	5.26e-03	5.7	5.7	5.7	5.7	-27.4	7.0	11.5	17.9	46.9	9.0
206	ok	0.08	0.8	5.19e-03	5.7	5.7	5.7	5.7	-27.5	17.5	10.6	18.8	50.5	8.4
207	ok	0.08	0.7	3.80e-03	5.7	5.7	5.7	5.7	-21.0	14.4	-4.3	10.0	46.5	2.8
208	ok	0.08	0.7	3.88e-03	5.7	5.7	5.7	5.7	-21.0	14.1	-5.6	10.2	46.2	2.7
209	ok	0.08	0.6	4.06e-03	5.7	5.7	5.7	5.7	-21.1	10.3	-8.0	10.9	46.1	2.5
210	ok	0.08	0.6	4.01e-03	5.7	5.7	5.7	5.7	-18.4	5.9	-3.7	11.4	44.9	3.1
211	ok	0.08	0.6	3.73e-03	5.7	5.7	5.7	5.7	-17.8	2.3	5.2	12.8	43.7	3.0
212	ok	0.08	0.6	3.34e-03	5.7	5.7	5.7	5.7	-17.4	0.4	4.5	14.1	42.9	4.1
213	ok	0.08	0.6	3.28e-03	5.7	5.7	5.7	5.7	-17.6	0.5	6.5	15.3	43.4	5.2
214	ok	0.08	0.6	3.67e-03	5.7	5.7	5.7	5.7	-18.2	3.4	9.2	16.3	44.9	6.8
215	ok	0.08	0.7	3.93e-03	5.7	5.7	5.7	5.7	-19.1	7.2	10.5	17.2	46.8	6.9

216	ok	0.08	0.7	3.92e-03	5.7	5.7	5.7	5.7	-19.6	12.0	9.7	17.9	48.4	7.4
217	ok	0.08	0.6	2.69e-03	5.7	5.7	5.7	5.7	-13.1	10.0	-5.0	9.2	42.9	2.9
218	ok	0.08	0.6	2.69e-03	5.7	5.7	5.7	5.7	-13.1	9.8	-6.1	9.3	42.9	2.8
219	ok	0.08	0.6	2.87e-03	5.7	5.7	5.7	5.7	-1.6	5.8	-0.6	8.4	46.3	-1.0
220	ok	0.08	0.6	2.81e-03	5.7	5.7	5.7	5.7	-1.1	4.8	-0.7	10.0	45.6	-1.3
221	ok	0.08	0.6	2.57e-03	5.7	5.7	5.7	5.7	-0.6	3.8	-0.6	11.6	44.8	-1.1
222	ok	0.08	0.6	2.24e-03	5.7	5.7	5.7	5.7	-10.8	1.5	4.1	12.9	41.5	4.2
223	ok	0.08	0.6	2.40e-03	5.7	5.7	5.7	5.7	-11.1	1.6	5.8	14.0	41.8	4.7
224	ok	0.08	0.6	2.54e-03	5.7	5.7	5.7	5.7	-11.5	3.5	8.2	15.0	42.3	5.9
225	ok	0.08	0.6	2.76e-03	5.7	5.7	5.7	5.7	-12.1	5.9	9.3	15.8	43.4	6.3
226	ok	0.08	0.6	2.80e-03	5.7	5.7	5.7	5.7	-12.1	8.3	9.5	16.4	44.1	6.8
227	ok	0.08	0.6	1.95e-03	5.7	5.7	5.7	5.7	-1.8	6.4	-1.06e-02	8.1	48.7	-0.1
228	ok	0.08	0.6	1.82e-03	5.7	5.7	5.7	5.7	-1.8	6.3	-6.61e-02	8.3	48.6	-0.2
229	ok	0.08	0.6	1.99e-03	5.7	5.7	5.7	5.7	-1.5	5.7	-0.2	9.1	48.2	-0.4
230	ok	0.08	0.6	1.90e-03	5.7	5.7	5.7	5.7	-1.1	4.8	-0.2	10.4	47.5	-0.4
231	ok	0.08	0.6	1.67e-03	5.7	5.7	5.7	5.7	-0.6	4.0	-0.2	11.8	46.9	-0.4
232	ok	0.08	0.6	1.67e-03	5.7	5.7	5.7	5.7	-0.4	3.5	-7.69e-02	12.9	46.4	-0.3
233	ok	0.08	0.6	1.84e-03	5.7	5.7	5.7	5.7	-0.4	3.4	5.36e-02	13.6	46.2	-0.1
234	ok	0.08	0.6	1.95e-03	5.7	5.7	5.7	5.7	-0.6	3.7	0.2	14.0	46.1	-6.53e-03
235	ok	0.08	0.6	1.96e-03	5.7	5.7	5.7	5.7	-1.0	4.2	0.2	14.2	46.2	1.15e-02
236	ok	0.08	0.6	1.87e-03	5.7	5.7	5.7	5.7	-1.3	4.7	9.28e-02	14.4	46.2	-0.1
237	ok	0.08	0.6	1.88e-03	5.7	5.7	5.7	5.7	-1.8	6.3	2.79e-02	8.1	48.7	0.1
238	ok	0.08	0.6	1.74e-03	5.7	5.7	5.7	5.7	-1.8	6.2	8.12e-02	8.3	48.6	0.2
239	ok	0.08	0.6	1.91e-03	5.7	5.7	5.7	5.7	-1.5	5.7	0.2	9.1	48.2	0.3
240	ok	0.08	0.6	1.82e-03	5.7	5.7	5.7	5.7	-1.1	4.8	0.2	10.4	47.6	0.4
241	ok	0.08	0.6	1.59e-03	5.7	5.7	5.7	5.7	-0.6	4.0	0.2	11.8	47.0	0.3
242	ok	0.08	0.6	1.64e-03	5.7	5.7	5.7	5.7	-0.4	3.5	5.16e-02	12.9	46.5	0.2
243	ok	0.08	0.6	1.81e-03	5.7	5.7	5.7	5.7	-0.4	3.4	-5.48e-02	13.6	46.2	8.94e-02
244	ok	0.08	0.6	1.91e-03	5.7	5.7	5.7	5.7	-0.6	3.7	-0.1	14.0	46.2	-1.15e-02
245	ok	0.08	0.6	1.84e-03	5.7	5.7	5.7	5.7	-0.9	4.2	-0.2	14.2	46.3	-1.72e-02
246	ok	0.08	0.6	1.80e-03	5.7	5.7	5.7	5.7	-1.2	4.7	-7.56e-02	14.5	46.3	9.93e-02
247	ok	0.08	0.6	2.60e-03	5.7	5.7	5.7	5.7	-1.9	6.7	7.89e-02	7.4	47.1	0.3
248	ok	0.08	0.6	2.58e-03	5.7	5.7	5.7	5.7	-1.9	6.5	0.3	7.6	47.0	0.5
249	ok	0.08	0.6	2.76e-03	5.7	5.7	5.7	5.7	-1.6	5.8	0.6	8.5	46.5	1.0
250	ok	0.08	0.6	2.70e-03	5.7	5.7	5.7	5.7	-1.0	4.8	0.7	10.0	45.8	1.2
251	ok	0.08	0.6	2.47e-03	5.7	5.7	5.7	5.7	-0.6	3.8	0.5	11.6	45.1	1.1
252	ok	0.08	0.6	2.17e-03	5.7	5.7	5.7	5.7	-10.3	1.6	-4.1	12.8	41.2	-4.2
253	ok	0.08	0.6	2.36e-03	5.7	5.7	5.7	5.7	-10.5	1.7	-5.8	14.0	41.4	-4.7
254	ok	0.08	0.6	2.48e-03	5.7	5.7	5.7	5.7	-11.0	3.5	-7.9	14.9	42.1	-5.0
255	ok	0.08	0.6	2.66e-03	5.7	5.7	5.7	5.7	-11.5	5.9	-9.2	15.7	42.9	-6.3
256	ok	0.08	0.6	2.69e-03	5.7	5.7	5.7	5.7	-11.3	8.1	-9.4	16.3	43.6	-6.8
257	ok	0.08	0.7	3.70e-03	5.7	5.7	5.7	5.7	-20.3	13.9	4.3	10.0	46.2	-2.8
258	ok	0.08	0.7	3.77e-03	5.7	5.7	5.7	5.7	-20.3	13.6	5.8	10.2	46.1	-2.6
259	ok	0.08	0.6	3.93e-03	5.7	5.7	5.7	5.7	-20.2	9.8	8.0	10.7	45.6	-2.5
260	ok	0.08	0.6	3.88e-03	5.7	5.7	5.7	5.7	-17.8	5.5	3.5	11.4	44.6	-3.1
261	ok	0.08	0.6	3.62e-03	5.7	5.7	5.7	5.7	-17.3	2.3	-5.1	12.7	43.5	-3.0
262	ok	0.08	0.6	3.25e-03	5.7	5.7	5.7	5.7	-16.9	0.6	-4.5	14.0	42.8	-4.1
263	ok	0.08	0.6	3.20e-03	5.7	5.7	5.7	5.7	-16.8	0.7	-6.7	15.2	43.1	-5.0
264	ok	0.08	0.6	3.56e-03	5.7	5.7	5.7	5.7	-17.6	3.4	-9.0	16.3	44.8	-6.7
265	ok	0.08	0.7	3.81e-03	5.7	5.7	5.7	5.7	-18.7	7.1	-10.2	17.2	45.2	-7.0
266	ok	0.08	0.7	3.77e-03	5.7	5.7	5.7	5.7	-18.7	11.8	-9.6	17.8	47.9	-7.4
267	ok	0.08	0.7	5.03e-03	5.7	5.7	5.7	5.7	-27.6	22.1	2.3	9.8	48.4	-2.6
268	ok	0.08	0.7	5.09e-03	5.7	5.7	5.7	5.7	-28.8	19.0	5.7	10.2	47.9	-2.7
269	ok	0.08	0.7	5.27e-03	5.7	5.7	5.7	5.7	-28.6	12.5	8.2	11.1	48.5	-1.5
270	ok	0.08	0.6	5.17e-03	5.7	5.7	5.7	5.7	-27.2	6.0	8.9	12.0	45.1	-1.3
271	ok	0.08	0.6	4.89e-03	5.7	5.7	5.7	5.7	-24.2	2.1	12.5	14.1	40.3	-2.9
272	ok	0.08	0.5	4.44e-03	5.7	5.7	5.7	5.7	-24.3	-0.6	-4.8	15.4	40.1	-3.9
273	ok	0.08	0.6	4.36e-03	5.7	5.7	5.7	5.7	-23.8	-0.5	-7.1	16.4	40.7	-6.0
274	ok	0.08	0.6	4.72e-03	5.7	5.7	5.7	5.7	-23.7	3.7	-6.2	16.5	43.9	-7.3
275	ok	0.08	0.7	5.10e-03	5.7	5.7	5.7	5.7	-26.1	7.3	-11.2	18.3	47.3	-8.6
276	ok	0.08	0.8	5.03e-03	5.7	5.7	5.7	5.7	-26.7	16.9	-10.1	18.7	49.7	-8.2
277	ok	0.08	0.8	6.83e-03	5.7	5.7	5.7	5.7	-36.8	27.9	5.7	12.1	50.9	3.5
278	ok	0.08	0.9	6.71e-03	5.7	5.7	5.7	5.7	-38.3	33.2	11.7	14.6	57.7	5.9
279	ok	0.08	0.7	6.47e-03	5.7	5.7	5.7	5.7	-33.6	22.1	14.7	12.3	46.7	5.9
280	ok	0.08	0.6	6.66e-03	5.7	5.7	5.7	5.7	-33.4	7.1	16.0	15.2	38.1	5.1
281	ok	0.08	0.5	6.19e-03	5.7	5.7	5.7	5.7	-31.2	0.6	13.4	16.5	33.2	4.6
282	ok	0.08	0.5	5.80e-03	5.7	5.7	5.7	5.7	-33.8	-3.0	-5.0	18.3	35.2	-3.8
283	ok	0.08	0.5	5.82e-03	5.7	5.7	5.7	5.7	-33.3	-2.6	-7.8	18.5	35.6	-7.0
284	ok	0.08	0.6	6.01e-03	5.7	5.7	5.7	5.7	-30.2	-0.5	-11.5	17.6	38.5	-9.7
285	ok	0.08	0.7	6.19e-03	5.7	5.7	5.7	5.7	-31.9	6.2	-7.4	16.3	42.8	-13.6
286	ok	0.08	0.9	6.46e-03	5.7	5.7	5.7	5.7	-33.3	22.5	-7.7	20.4	55.6	-12.3
287	ok	0.09	1.0	5.48e-03	5.9	6.6	6.6	9.7	-29.1	39.4	-1.9	11.9	112.4	-15.0
288	ok	0.08	1.0	1.10e-02	5.7	6.2	5.7	6.8	-53.9	38.8	26.6	6.9	77.4	13.9
289	ok	0.08	0.7	1.04e-02	5.7	5.7	5.7	5.7	-35.4	22.0	20.8	16.3	40.6	10.3
290	ok	0.08	0.5	8.44e-03	5.7	5.7	5.7	5.7	-36.2	3.7	17.1	22.6	24.6	11.5
291	ok	0.08	0.4	7.77e-03	5.7	5.7	5.7	5.7	-38.6	-1.7	15.3	19.8	26.7	4.4
292	ok	0.08	0.4	7.78e-03	5.7	5.7	5.7	5.7	-46.2	-4.5	-5.0	23.2	26.2	-3.1

293	ok	0.08	0.4	7.79e-03	5.7	5.7	5.7	5.7	-42.8	-4.2	-7.2	22.7	26.6	-9.0
294	ok	0.08	0.5	7.87e-03	5.7	5.7	5.7	5.7	-42.1	-2.3	-7.2	22.4	30.6	-12.8
295	ok	0.08	0.7	8.45e-03	5.7	5.7	5.7	5.7	-39.5	6.2	-9.2	18.4	37.7	-16.5
296	ok	0.08	0.8	8.32e-03	5.7	5.7	5.7	5.7	-39.2	23.2	-14.0	16.5	49.6	-18.2
297	ok	0.08	0.8	5.46e-03	5.7	5.7	5.7	5.7	-30.8	20.4	-8.5	13.0	59.5	1.1
298	ok	0.10	1.0	9.01e-03	10.3	8.6	7.2	8.6	8.6	-26.4	-15.9	-65.3	-64.9	-48.2
299	ok	0.08	0.9	8.95e-03	5.7	5.7	5.7	5.7	-31.6	25.2	26.6	27.0	27.2	20.3
300	ok	0.08	0.5	1.03e-02	5.7	5.7	5.7	5.7	-49.1	0.1	9.0	30.7	17.1	12.3
301	ok	0.08	0.4	1.05e-02	5.7	5.7	5.7	5.7	-61.6	-4.8	-3.7	29.5	13.4	11.1
302	ok	0.08	0.3	1.06e-02	5.7	5.7	5.7	5.7	-59.6	-4.7	-4.0	30.6	12.1	-0.7
303	ok	0.08	0.4	1.10e-02	5.7	5.7	5.7	5.7	-59.8	-5.0	3.2	28.8	11.5	-11.0
304	ok	0.08	0.5	1.15e-02	5.7	5.7	5.7	5.7	-60.0	-4.0	1.3	30.3	14.3	-18.3
305	ok	0.08	0.6	1.16e-02	5.7	5.7	5.7	5.7	-55.8	2.0	-8.0	27.7	19.5	-25.8
306	ok	0.08	1.0	1.13e-02	6.9	6.5	5.8	5.8	-45.6	9.3	-7.8	-14.3	25.3	-49.1
307	ok	0.08	0.8	6.14e-03	5.7	5.7	5.7	5.7	-34.9	23.0	-1.5	11.4	53.2	-6.7
308	ok	0.08	0.8	7.84e-03	5.7	5.7	5.7	5.7	-47.3	2.2	1.9	-45.3	13.3	36.8
309	ok	0.08	0.3	9.49e-03	5.7	5.7	5.7	5.7	-43.2	-3.4	-8.3	19.8	11.8	8.8
310	ok	0.08	0.3	1.05e-02	5.7	5.7	5.7	5.7	-51.8	-2.6	4.0	22.1	13.9	-11.2
311	ok	0.08	0.5	8.24e-03	5.7	5.7	5.7	5.7	-44.7	4.4	2.2	15.0	16.8	23.3
312	ok	0.09	1.0	4.85e-03	5.7	5.8	6.5	8.1	-28.4	26.7	7.4	1.4	95.9	0.2
313	ok	0.08	0.8	7.83e-03	5.7	5.7	5.7	5.7	-46.5	1.9	-1.8	-45.1	12.6	-38.0
314	ok	0.08	0.7	8.38e-03	5.7	5.7	5.7	5.7	-35.9	25.1	-10.7	6.2	46.2	-15.3
315	ok	0.08	0.5	8.28e-03	5.7	5.7	5.7	5.7	-44.5	4.7	-2.2	15.1	16.4	-23.5
316	ok	0.08	0.6	7.79e-03	5.7	5.7	5.7	5.7	-35.2	4.0	-1.3	6.9	34.5	-15.2
317	ok	0.08	0.4	8.51e-03	5.7	5.7	5.7	5.7	-46.1	-1.6	5.3	19.3	13.0	-16.0
318	ok	0.08	0.4	6.94e-03	5.7	5.7	5.7	5.7	-33.2	-0.2	6.4	13.7	28.5	-11.1
319	ok	0.08	0.3	9.56e-03	5.7	5.7	5.7	5.7	-47.8	-4.2	-0.4	19.4	11.5	-5.3
320	ok	0.08	0.4	6.93e-03	5.7	5.7	5.7	5.7	-33.8	-1.9	0.5	13.5	25.7	-7.3
321	ok	0.08	0.3	1.06e-02	5.7	5.7	5.7	5.7	-52.1	-3.3	-4.5	22.3	14.0	11.5
322	ok	0.08	0.4	7.09e-03	5.7	5.7	5.7	5.7	-36.9	-1.4	-3.9	13.7	28.9	7.1
323	ok	0.08	0.6	1.14e-02	5.7	5.7	5.7	5.7	-49.3	1.5	-0.2	20.8	18.3	19.0
324	ok	0.08	0.6	7.37e-03	5.7	5.7	5.7	5.7	-35.8	6.0	11.0	10.8	35.7	11.4
325	ok	0.08	1.0	1.03e-02	6.8	5.7	5.9	5.7	-54.6	-0.3	-8.7	-94.4	2.8	2.7
326	ok	0.09	1.0	9.45e-03	5.7	6.5	5.7	8.0	-19.1	34.7	-0.7	11.3	93.5	16.0
327	ok	0.08	0.7	4.53e-03	5.7	5.7	5.7	5.7	-25.0	18.4	-8.0	11.5	50.2	1.8
328	ok	0.08	0.8	4.47e-03	5.7	5.7	5.7	5.7	-22.3	16.5	5.7	11.9	53.2	3.0
329	ok	0.09	1.0	4.77e-03	5.7	5.7	6.3	7.9	21.3	-19.8	2.6	-22.4	-83.7	-7.3
330	ok	0.08	0.7	8.18e-03	5.7	5.7	5.7	5.7	-35.6	24.5	10.4	6.3	46.7	14.6
331	ok	0.08	0.9	5.52e-03	5.7	5.7	5.7	5.7	-30.9	20.7	8.2	13.0	61.0	-0.6
332	ok	0.08	0.8	5.19e-03	5.7	5.7	5.7	5.7	-27.7	24.4	-1.6	12.5	55.8	-7.0
333	ok	0.08	0.6	5.79e-03	5.7	5.7	5.7	5.7	-25.6	5.7	-1.0	4.9	41.1	-11.4
334	ok	0.08	0.5	5.81e-03	5.7	5.7	5.7	5.7	-24.4	1.5	7.1	9.8	37.8	-7.7
335	ok	0.08	0.5	5.53e-03	5.7	5.7	5.7	5.7	-23.2	0.9	10.4	12.5	35.5	-5.0
336	ok	0.08	0.5	5.27e-03	5.7	5.7	5.7	5.7	-28.2	1.0	7.2	9.9	37.6	5.0
337	ok	0.08	0.6	5.35e-03	5.7	5.7	5.7	5.7	-30.4	6.6	7.6	9.7	42.7	7.8
338	ok	0.08	0.7	6.67e-03	5.7	5.7	5.7	5.7	-27.8	22.1	9.3	6.9	44.9	7.9
339	ok	0.08	0.7	4.83e-03	5.7	5.7	5.7	5.7	-20.9	6.9	1.7	8.2	48.6	5.1
340	ok	0.08	0.6	5.71e-03	5.7	5.7	5.7	5.7	-25.2	5.8	1.0	5.1	42.0	10.9
341	ok	0.08	0.5	5.73e-03	5.7	5.7	5.7	5.7	-24.0	1.6	-7.2	9.6	38.2	7.5
342	ok	0.08	0.7	4.61e-03	5.7	5.7	5.7	5.7	-23.1	18.9	3.5	10.5	50.3	-3.1
343	ok	0.08	0.8	4.54e-03	5.7	5.7	5.7	5.7	-22.8	16.8	-5.8	12.0	53.5	-3.1
344	ok	0.08	0.7	4.91e-03	5.7	5.7	5.7	5.7	-18.9	7.2	-1.4	7.1	48.1	-6.0
345	ok	0.08	0.6	4.80e-03	5.7	5.7	5.7	5.7	-18.1	3.3	7.3	8.6	43.3	-6.3
346	ok	0.08	0.6	4.46e-03	5.7	5.7	5.7	5.7	-18.1	2.8	9.6	10.4	40.9	-4.9
347	ok	0.08	0.6	4.07e-03	5.7	5.7	5.7	5.7	-22.7	4.0	7.2	9.7	43.2	3.7
348	ok	0.08	0.7	4.58e-03	5.7	5.7	5.7	5.7	-22.2	9.1	-1.2	8.7	45.4	4.5
349	ok	0.08	0.7	5.03e-03	5.7	5.7	5.7	5.7	-27.4	15.0	1.6	7.1	50.8	-1.9
350	ok	0.08	0.6	4.72e-03	5.7	5.7	5.7	5.7	-17.8	3.4	-7.3	8.6	43.6	6.1
351	ok	0.08	0.6	7.70e-03	5.7	5.7	5.7	5.7	-34.6	4.2	1.3	6.7	35.4	14.8
352	ok	0.08	0.4	6.86e-03	5.7	5.7	5.7	5.7	-32.5	-0.1	-6.5	13.3	29.3	10.9
353	ok	0.08	0.7	3.53e-03	5.7	5.7	5.7	5.7	-16.7	14.6	4.1	10.0	46.9	-3.1
354	ok	0.08	0.7	3.73e-03	5.7	5.7	5.7	5.7	-15.9	12.7	-9.8	10.3	48.6	3.6
355	ok	0.08	0.7	3.93e-03	5.7	5.7	5.7	5.7	-15.5	7.1	-1.6	8.9	47.5	-3.4
356	ok	0.08	0.6	3.86e-03	5.7	5.7	5.7	5.7	-13.2	4.5	7.2	8.6	45.2	-4.2
357	ok	0.08	0.6	3.59e-03	5.7	5.7	5.7	5.7	-13.5	4.2	9.0	9.5	43.4	-3.9
358	ok	0.08	0.6	3.26e-03	5.7	5.7	5.7	5.7	-16.8	5.0	-2.0	9.3	44.6	-2.1
359	ok	0.08	0.6	3.48e-03	5.7	5.7	5.7	5.7	-18.9	8.7	6.8	9.6	45.3	-0.7
360	ok	0.08	0.7	3.62e-03	5.7	5.7	5.7	5.7	-20.7	13.0	5.9	9.7	46.1	3.1
361	ok	0.08	0.6	4.41e-03	5.7	5.7	5.7	5.7	-17.8	3.0	-9.6	10.4	41.2	4.8
362	ok	0.08	0.4	6.76e-03	5.7	5.7	5.7	5.7	-30.2	-1.1	-10.1	16.0	27.0	5.6
363	ok	0.08	0.4	7.04e-03	5.7	5.7	5.7	5.7	-38.0	-1.4	-7.2	11.5	29.3	-8.3
364	ok	0.08	0.6	2.52e-03	5.7	5.7	5.7	5.7	-1.8	7.3	0.2	8.1	46.8	0.8
365	ok	0.08	0.6	2.94e-03	5.7	5.7	5.7	5.7	-10.0	9.5	-10.0	8.9	43.8	3.7
366	ok	0.08	0.6	3.06e-03	5.7	5.7	5.7	5.7	-9.7	7.2	-10.4	8.5	43.3	2.6
367	ok	0.08	0.6	3.02e-03	5.7	5.7	5.7	5.7	-9.1	5.2	-13.9	7.5	42.9	3.9
368	ok	0.08	0.6	2.83e-03	5.7	5.7	5.7	5.7	-0.6	5.0	0.1	8.4	45.6	0.3
369	ok	0.08	0.6	2.58e-03	5.7	5.7	5.7	5.7	-0.9	5.3	0.5	8.0	45.9	0.6

370	ok	0.08	0.6	2.44e-03	5.7	5.7	5.7	5.7	-1.3	6.0	0.7	7.4	46.4	0.6
371	ok	0.08	0.6	2.51e-03	5.7	5.7	5.7	5.7	-12.8	9.5	-3.4	8.8	42.7	2.8
372	ok	0.08	0.6	4.02e-03	5.7	5.7	5.7	5.7	-21.9	4.2	-7.8	9.7	43.3	-3.3
373	ok	0.08	0.5	7.81e-03	5.7	5.7	5.7	5.7	-41.5	4.8	-11.4	9.9	34.7	-12.0
374	ok	0.08	0.7	8.27e-03	5.7	5.7	5.7	5.7	-38.2	24.7	-10.1	9.2	46.2	-12.1
375	ok	0.08	0.6	1.90e-03	5.7	5.7	5.7	5.7	-1.8	6.8	9.78e-02	8.6	48.0	0.4
376	ok	0.08	0.6	2.34e-03	5.7	5.7	5.7	5.7	-1.5	6.5	-0.2	8.5	48.0	-8.09e-03
377	ok	0.08	0.6	2.39e-03	5.7	5.7	5.7	5.7	-1.1	5.8	-0.2	8.6	47.7	-5.68e-02
378	ok	0.08	0.6	2.33e-03	5.7	5.7	5.7	5.7	-0.8	5.4	-9.16e-02	8.7	47.6	1.79e-02
379	ok	0.08	0.6	2.18e-03	5.7	5.7	5.7	5.7	-0.8	5.3	4.62e-02	8.6	47.7	0.1
380	ok	0.08	0.6	2.01e-03	5.7	5.7	5.7	5.7	-1.0	5.5	0.2	8.3	48.0	0.2
381	ok	0.08	0.6	1.91e-03	5.7	5.7	5.7	5.7	-1.4	6.0	0.2	7.9	48.3	0.2
382	ok	0.08	0.6	1.90e-03	5.7	5.7	5.7	5.7	-1.7	6.4	0.1	7.7	48.6	8.86e-02
383	ok	0.08	0.7	4.44e-03	5.7	5.7	5.7	5.7	-21.6	9.2	1.8	8.7	46.0	-4.3
384	ok	0.08	0.7	4.90e-03	5.7	5.7	5.7	5.7	-26.7	14.4	-1.9	7.5	50.2	1.8
385	ok	0.08	0.5	1.09e-02	5.7	5.7	5.7	5.7	-48.3	3.8	-1.2	20.4	18.6	-18.6
386	ok	0.08	0.6	1.85e-03	5.7	5.7	5.7	5.7	-1.8	6.8	-9.36e-02	8.6	48.0	-0.4
387	ok	0.08	0.6	2.29e-03	5.7	5.7	5.7	5.7	-1.5	6.5	0.2	8.5	48.0	7.26e-03
388	ok	0.08	0.6	2.33e-03	5.7	5.7	5.7	5.7	-1.1	5.8	0.2	8.6	47.7	5.03e-02
389	ok	0.08	0.6	2.28e-03	5.7	5.7	5.7	5.7	-0.8	5.4	8.05e-02	8.7	47.6	-1.56e-02
390	ok	0.08	0.6	2.13e-03	5.7	5.7	5.7	5.7	-0.8	5.3	-3.64e-02	8.6	47.8	-9.79e-02
391	ok	0.08	0.6	1.96e-03	5.7	5.7	5.7	5.7	-1.0	5.5	-0.1	8.3	48.1	-0.2
392	ok	0.08	0.6	1.85e-03	5.7	5.7	5.7	5.7	-1.3	6.0	-0.2	7.9	48.4	-0.2
393	ok	0.08	0.6	1.83e-03	5.7	5.7	5.7	5.7	-1.7	6.4	-0.1	7.7	48.7	-7.06e-02
394	ok	0.08	0.8	5.12e-03	5.7	5.7	5.7	5.7	-27.4	23.9	1.6	12.8	56.2	6.6
395	ok	0.08	0.5	5.45e-03	5.7	5.7	5.7	5.7	-23.0	1.1	-10.4	12.2	36.1	5.0
396	ok	0.08	0.5	5.23e-03	5.7	5.7	5.7	5.7	-27.8	1.4	-7.7	10.2	37.8	-4.7
397	ok	0.08	0.6	2.46e-03	5.7	5.7	5.7	5.7	-1.8	7.3	-0.2	8.1	46.9	-0.8
398	ok	0.08	0.6	2.88e-03	5.7	5.7	5.7	5.7	-9.5	9.3	10.0	8.8	43.4	-3.7
399	ok	0.08	0.6	2.99e-03	5.7	5.7	5.7	5.7	-9.0	7.7	14.0	8.2	42.7	-3.7
400	ok	0.08	0.6	2.96e-03	5.7	5.7	5.7	5.7	-0.7	5.2	0.3	8.5	45.7	-7.38e-03
401	ok	0.08	0.6	2.77e-03	5.7	5.7	5.7	5.7	-0.6	5.0	-0.1	8.4	45.8	-0.3
402	ok	0.08	0.6	2.52e-03	5.7	5.7	5.7	5.7	-0.9	5.3	-0.5	8.0	46.1	-0.6
403	ok	0.08	0.6	2.38e-03	5.7	5.7	5.7	5.7	-1.3	6.0	-0.6	7.4	46.6	-0.6
404	ok	0.08	0.6	2.43e-03	5.7	5.7	5.7	5.7	-1.8	6.6	-0.4	7.0	47.0	-0.2
405	ok	0.08	0.4	8.49e-03	5.7	5.7	5.7	5.7	-46.1	-1.7	-5.3	19.3	13.2	15.9
406	ok	0.08	1.0	1.10e-02	7.3	5.8	5.7	5.7	-65.4	1.5	-2.0	-62.8	15.8	-34.1
407	ok	0.08	0.6	5.20e-03	5.7	5.7	5.7	5.7	-29.3	7.6	-7.4	9.1	41.8	-7.1
408	ok	0.08	0.7	3.45e-03	5.7	5.7	5.7	5.7	-16.2	14.4	-4.1	9.9	46.6	3.2
409	ok	0.08	0.7	3.66e-03	5.7	5.7	5.7	5.7	-15.5	12.5	9.8	10.2	48.2	-3.6
410	ok	0.08	0.7	3.85e-03	5.7	5.7	5.7	5.7	-15.1	7.0	1.6	8.9	47.3	3.3
411	ok	0.08	0.6	3.79e-03	5.7	5.7	5.7	5.7	-12.9	4.6	-7.2	8.6	45.1	4.1
412	ok	0.08	0.6	3.53e-03	5.7	5.7	5.7	5.7	-13.1	4.3	-8.9	9.5	43.4	3.8
413	ok	0.08	0.6	3.21e-03	5.7	5.7	5.7	5.7	-16.2	5.1	2.3	9.3	44.6	2.1
414	ok	0.08	0.6	3.38e-03	5.7	5.7	5.7	5.7	-18.2	8.6	-6.9	9.6	45.1	0.7
415	ok	0.12	1.0	1.38e-02	12.1	11.2	14.1	16.4	8.5	-79.5	-16.2	-18.7	-151.5	-71.4
417	ok	0.12	1.0	1.40e-02	11.3	12.2	14.7	16.3	8.3	-80.8	15.3	-18.6	-154.4	71.7
419	ok	0.10	1.0	8.30e-03	9.1	10.4	8.8	10.8	-6.9	35.6	-19.2	38.8	110.1	-41.9
420	ok	0.10	1.0	8.85e-03	8.8	10.4	8.8	10.4	-19.3	33.2	17.9	31.2	106.0	44.4
423	ok	0.08	0.9	1.01e-02	5.7	5.7	5.7	5.7	-44.1	-8.9	-4.0	36.0	28.8	40.9
426	ok	0.10	1.0	8.93e-03	8.7	10.2	8.6	10.2	-19.7	33.0	-18.1	30.2	103.4	-43.6
427	ok	0.10	1.0	8.23e-03	9.4	10.8	9.0	11.1	-6.5	35.9	19.1	39.9	112.9	42.8
428	ok	0.08	0.6	4.24e-03	5.7	5.7	5.7	5.7	-23.3	7.2	5.6	13.9	45.1	4.0
429	ok	0.08	0.7	4.62e-03	5.7	5.7	5.7	5.7	-24.7	13.8	4.9	14.0	46.9	4.1
430	ok	0.08	0.7	5.70e-03	5.7	5.7	5.7	5.7	-31.2	21.2	6.0	15.8	49.9	7.4
431	ok	0.08	0.6	5.62e-03	5.7	5.7	5.7	5.7	-29.7	6.4	7.1	13.3	39.4	5.9
432	ok	0.08	0.6	4.25e-03	5.7	5.7	5.7	5.7	-21.5	3.3	5.3	12.5	42.5	2.6
433	ok	0.08	0.5	5.58e-03	5.7	5.7	5.7	5.7	-28.8	1.0	6.1	13.5	37.2	3.7
434	ok	0.08	0.6	4.58e-03	5.7	5.7	5.7	5.7	-13.2	2.8	11.0	12.0	39.7	-6.2
435	ok	0.08	0.5	5.78e-03	5.7	5.7	5.7	5.7	-17.6	1.1	11.7	13.9	34.6	-7.0
436	ok	0.08	1.0	1.06e-02	6.4	6.3	6.0	5.7	-37.3	-16.7	9.9	-88.3	-18.8	8.7
437	ok	0.08	0.7	2.51e-03	5.7	5.7	5.7	5.7	-11.0	3.5	6.6	20.0	50.9	8.7
438	ok	0.09	1.0	6.45e-03	5.9	5.9	6.6	9.2	-23.2	31.6	-0.1	12.2	106.0	12.9
439	ok	0.08	0.7	9.51e-03	5.7	5.7	5.7	5.7	-41.8	22.1	-9.1	15.2	43.3	-13.1
440	ok	0.08	0.5	1.07e-02	5.7	5.7	5.7	5.7	-48.1	5.3	-7.8	24.5	16.6	-16.0
441	ok	0.08	0.5	8.88e-03	5.7	5.7	5.7	5.7	-43.2	4.1	-12.7	16.0	32.8	-10.6
442	ok	0.08	0.4	1.06e-02	5.7	5.7	5.7	5.7	5.8	-0.4	-11.8	25.0	5.4	7.7
443	ok	0.08	0.4	7.80e-03	5.7	5.7	5.7	5.7	-39.8	-1.2	-6.9	16.3	28.1	-6.3
444	ok	0.08	0.4	9.89e-03	5.7	5.7	5.7	5.7	-34.9	-2.9	-8.7	23.4	11.6	12.0
445	ok	0.08	0.4	7.27e-03	5.7	5.7	5.7	5.7	-24.1	-0.9	-11.0	18.2	25.5	8.5
446	ok	0.08	0.4	8.97e-03	5.7	5.7	5.7	5.7	-37.4	-1.1	-6.0	21.2	13.3	18.5
447	ok	0.08	0.5	7.27e-03	5.7	5.7	5.7	5.7	-26.3	0.4	-7.7	13.8	28.4	13.5
448	ok	0.08	0.5	7.71e-03	5.7	5.7	5.7	5.7	-33.4	8.0	8.7	18.6	17.9	21.8
449	ok	0.08	0.6	8.43e-03	5.7	5.7	5.7	5.7	-27.9	7.8	9.1	8.9	34.6	14.0
450	ok	0.08	0.9	6.63e-03	5.7	5.7	5.7	5.7	-40.1	4.9	-0.1	-53.5	15.7	38.0
451	ok	0.08	0.8	9.26e-03	5.7	5.7	5.7	5.7	-40.6	32.3	17.5	9.7	49.4	10.8
452	ok	0.08	0.4	7.17e-03	5.7	5.7	5.7	5.7	-23.5	-0.7	11.1	17.9	26.3	-8.5

453	ok	0.08	0.4	7.64e-03	5.7	5.7	5.7	5.7	-39.1	-1.1	6.9	15.9	28.9	6.1
454	ok	0.08	0.4	1.05e-02	5.7	5.7	5.7	5.7	-52.2	-2.5	-2.3	23.7	13.2	8.2
455	ok	0.08	0.3	9.87e-03	5.7	5.7	5.7	5.7	-34.7	-2.9	8.8	23.5	11.8	-11.8
456	ok	0.08	0.7	4.70e-03	5.7	5.7	5.7	5.7	-24.1	17.4	-0.9	13.6	47.2	4.0
457	ok	0.08	0.8	5.96e-03	5.7	5.7	5.7	5.7	-30.1	16.5	6.4	14.6	52.6	4.0
458	ok	0.08	0.6	4.89e-03	5.7	5.7	5.7	5.7	-13.6	3.6	9.0	9.4	42.9	-7.3
459	ok	0.08	0.5	6.05e-03	5.7	5.7	5.7	5.7	-18.6	2.1	8.8	10.0	37.6	-9.1
460	ok	0.08	0.7	5.05e-03	5.7	5.7	5.7	5.7	-24.6	11.3	-12.8	11.6	48.9	1.6
461	ok	0.08	0.6	6.07e-03	5.7	5.7	5.7	5.7	-20.3	6.8	-2.3	4.6	42.6	-11.8
462	ok	0.08	0.8	6.07e-03	5.7	5.7	5.7	5.7	-30.6	16.6	-6.8	14.8	54.6	-4.0
463	ok	0.08	0.7	5.78e-03	5.7	5.7	5.7	5.7	-31.7	21.7	-2.0	15.6	49.6	-7.7
464	ok	0.08	0.6	5.74e-03	5.7	5.7	5.7	5.7	-30.3	6.3	-7.2	13.2	38.6	-6.2
465	ok	0.08	0.5	5.67e-03	5.7	5.7	5.7	5.7	-29.3	0.9	-6.2	13.7	36.8	-3.8
466	ok	0.08	0.5	5.85e-03	5.7	5.7	5.7	5.7	-17.9	1.0	-11.7	14.1	34.1	7.1
467	ok	0.08	0.5	6.11e-03	5.7	5.7	5.7	5.7	-19.0	2.0	-8.8	10.1	37.2	9.4
468	ok	0.08	0.6	6.14e-03	5.7	5.7	5.7	5.7	-20.7	6.7	2.2	4.5	41.8	12.3
469	ok	0.08	0.9	5.64e-03	5.7	5.7	5.7	5.7	-31.2	31.4	7.5	14.9	58.5	4.4
470	ok	0.08	0.8	4.79e-03	5.7	5.7	5.7	5.7	-22.6	17.9	-7.1	12.2	54.3	3.0
471	ok	0.08	0.9	5.59e-03	5.7	5.7	5.7	5.7	-30.9	30.5	-7.7	15.1	58.7	-4.4
472	ok	0.08	0.7	4.80e-03	5.7	5.7	5.7	5.7	-24.7	17.8	0.8	13.6	47.5	-4.0
473	ok	0.08	0.7	4.72e-03	5.7	5.7	5.7	5.7	-25.3	14.1	-5.0	14.1	47.1	-4.2
474	ok	0.08	0.6	4.33e-03	5.7	5.7	5.7	5.7	-23.8	7.2	-5.7	13.9	45.0	-4.2
475	ok	0.08	0.6	4.32e-03	5.7	5.7	5.7	5.7	-22.0	3.2	-5.4	12.5	42.2	-2.7
476	ok	0.08	0.6	4.65e-03	5.7	5.7	5.7	5.7	-13.5	2.7	-11.0	12.0	39.3	6.4
477	ok	0.08	0.6	4.97e-03	5.7	5.7	5.7	5.7	-13.9	3.5	-9.0	9.4	42.6	7.5
478	ok	0.08	0.7	5.13e-03	5.7	5.7	5.7	5.7	-17.7	7.3	2.3	8.5	48.1	5.9
479	ok	0.08	0.8	4.87e-03	5.7	5.7	5.7	5.7	-23.2	18.3	7.1	12.3	54.7	-2.9
480	ok	0.08	0.5	7.21e-03	5.7	5.7	5.7	5.7	-25.7	0.5	7.8	13.5	29.3	-13.3
481	ok	0.08	0.4	8.97e-03	5.7	5.7	5.7	5.7	-37.3	-1.2	6.0	21.1	13.6	-18.3
482	ok	0.08	0.6	8.36e-03	5.7	5.7	5.7	5.7	-29.3	5.5	-2.3	5.4	35.9	-16.1
483	ok	0.08	0.5	7.72e-03	5.7	5.7	5.7	5.7	-33.5	7.7	-8.7	18.4	18.2	-21.6
484	ok	0.08	0.6	3.49e-03	5.7	5.7	5.7	5.7	-18.0	12.5	-3.3	13.2	45.1	-4.0
485	ok	0.08	0.6	3.41e-03	5.7	5.7	5.7	5.7	-17.8	10.7	-4.4	13.0	44.5	-3.4
486	ok	0.08	0.6	3.13e-03	5.7	5.7	5.7	5.7	-17.1	7.0	-4.6	12.7	44.3	-3.2
487	ok	0.08	0.6	3.29e-03	5.7	5.7	5.7	5.7	-15.8	4.2	-4.9	11.9	43.9	-2.2
488	ok	0.08	0.6	3.60e-03	5.7	5.7	5.7	5.7	-9.8	3.8	-10.7	11.1	41.8	4.8
489	ok	0.08	0.6	3.88e-03	5.7	5.7	5.7	5.7	-17.6	5.5	12.3	9.7	45.9	-3.4
490	ok	0.08	0.7	3.96e-03	5.7	5.7	5.7	5.7	-18.3	10.1	12.3	10.8	47.3	-3.1
491	ok	0.08	0.7	3.83e-03	5.7	5.7	5.7	5.7	-16.7	13.3	7.3	10.9	49.2	-3.3
492	ok	0.09	1.0	6.29e-03	5.9	5.8	6.4	9.0	-29.6	28.9	9.1	15.2	107.7	11.2
493	ok	0.08	0.7	9.27e-03	5.7	5.7	5.7	5.7	-41.3	21.5	8.8	15.2	43.7	12.6
494	ok	0.08	0.5	8.71e-03	5.7	5.7	5.7	5.7	-43.5	3.9	12.0	15.5	32.9	10.1
495	ok	0.08	0.6	2.34e-03	5.7	5.7	5.7	5.7	-10.9	8.8	-3.0	12.0	41.5	-3.8
496	ok	0.08	0.6	2.22e-03	5.7	5.7	5.7	5.7	-10.8	8.0	-3.7	11.7	41.3	-3.2
497	ok	0.08	0.6	2.22e-03	5.7	5.7	5.7	5.7	-10.4	6.1	-3.8	11.5	41.3	-3.0
498	ok	0.08	0.6	2.39e-03	5.7	5.7	5.7	5.7	-0.8	4.2	-0.3	10.6	44.0	-1.87e-02
499	ok	0.08	0.6	2.65e-03	5.7	5.7	5.7	5.7	-0.7	4.2	6.62e-02	10.5	44.1	0.4
500	ok	0.08	0.6	2.85e-03	5.7	5.7	5.7	5.7	-11.1	5.3	11.1	8.8	43.0	-3.7
501	ok	0.08	0.6	2.92e-03	5.7	5.7	5.7	5.7	-11.5	7.9	10.7	9.4	43.4	-3.4
502	ok	0.08	0.6	2.83e-03	5.7	5.7	5.7	5.7	-10.0	9.8	6.9	9.4	44.1	-3.5
503	ok	0.08	0.6	1.63e-03	5.7	5.7	5.7	5.7	-1.5	4.9	-1.44e-03	10.9	46.3	7.39e-02
504	ok	0.08	0.6	1.78e-03	5.7	5.7	5.7	5.7	-1.3	4.8	-0.1	10.7	46.3	-4.23e-02
505	ok	0.08	0.6	1.83e-03	5.7	5.7	5.7	5.7	-1.1	4.5	-0.1	10.7	46.1	-5.86e-02
506	ok	0.08	0.6	1.82e-03	5.7	5.7	5.7	5.7	-0.8	4.3	-7.92e-02	10.8	46.1	1.47e-02
507	ok	0.08	0.6	1.82e-03	5.7	5.7	5.7	5.7	-0.8	4.4	2.01e-02	10.6	46.2	0.1
508	ok	0.08	0.6	1.99e-03	5.7	5.7	5.7	5.7	-0.9	4.8	0.1	10.1	46.5	0.2
509	ok	0.08	0.6	2.04e-03	5.7	5.7	5.7	5.7	-1.2	5.6	0.2	9.5	47.0	0.3
510	ok	0.08	0.6	1.97e-03	5.7	5.7	5.7	5.7	-1.5	6.4	0.2	9.1	47.6	0.3
511	ok	0.08	0.6	1.60e-03	5.7	5.7	5.7	5.7	-1.5	4.9	5.03e-03	10.9	46.3	-6.29e-02
512	ok	0.08	0.6	1.75e-03	5.7	5.7	5.7	5.7	-1.3	4.8	0.1	10.7	46.3	3.86e-02
513	ok	0.08	0.6	1.79e-03	5.7	5.7	5.7	5.7	-1.1	4.5	0.1	10.8	46.2	5.20e-02
514	ok	0.08	0.6	1.78e-03	5.7	5.7	5.7	5.7	-0.8	4.3	7.25e-02	10.8	46.1	-1.35e-02
515	ok	0.08	0.6	1.78e-03	5.7	5.7	5.7	5.7	-0.8	4.4	-2.07e-02	10.6	46.2	-0.1
516	ok	0.08	0.6	1.94e-03	5.7	5.7	5.7	5.7	-0.9	4.8	-0.1	10.1	46.5	-0.2
517	ok	0.08	0.6	2.00e-03	5.7	5.7	5.7	5.7	-1.2	5.6	-0.2	9.5	47.0	-0.2
518	ok	0.08	0.6	1.92e-03	5.7	5.7	5.7	5.7	-1.5	6.4	-0.2	9.1	47.7	-0.3
519	ok	0.08	0.8	9.04e-03	5.7	5.7	5.7	5.7	-40.6	31.2	-16.9	9.8	49.7	-10.0
520	ok	0.08	0.6	2.26e-03	5.7	5.7	5.7	5.7	-10.4	8.6	2.9	11.9	41.1	3.8
521	ok	0.08	0.6	2.14e-03	5.7	5.7	5.7	5.7	-10.4	7.8	3.4	11.6	41.1	3.3
522	ok	0.08	0.6	2.16e-03	5.7	5.7	5.7	5.7	-9.9	6.1	3.8	11.4	41.0	3.0
523	ok	0.08	0.6	2.32e-03	5.7	5.7	5.7	5.7	-0.8	4.2	0.3	10.6	44.3	1.41e-02
524	ok	0.08	0.6	2.58e-03	5.7	5.7	5.7	5.7	-0.7	4.2	-6.09e-02	10.5	44.3	-0.3
525	ok	0.08	0.6	2.79e-03	5.7	5.7	5.7	5.7	-0.9	4.7	-0.4	9.9	44.7	-0.6
526	ok	0.08	0.6	2.85e-03	5.7	5.7	5.7	5.7	-11.0	7.7	-10.6	9.3	43.0	3.4
527	ok	0.08	0.6	2.76e-03	5.7	5.7	5.7	5.7	-9.5	9.6	-6.9	9.3	43.6	3.5
528	ok	0.08	0.9	6.62e-03	5.7	5.7	5.7	5.7	-22.7	23.4	-28.0	15.9	32.6	-22.6
529	ok	0.08	0.6	3.41e-03	5.7	5.7	5.7	5.7	-17.5	12.3	3.3	13.1	44.9	4.0

530	ok	0.08	0.6	3.31e-03	5.7	5.7	5.7	5.7	-17.5	10.4	4.0	12.9	44.5	3.6
531	ok	0.08	0.6	3.06e-03	5.7	5.7	5.7	5.7	-16.6	6.9	4.5	12.6	44.2	3.2
532	ok	0.08	0.6	3.22e-03	5.7	5.7	5.7	5.7	-15.3	4.2	4.9	11.8	43.9	2.2
533	ok	0.08	0.6	3.53e-03	5.7	5.7	5.7	5.7	-9.5	3.9	10.6	11.1	41.8	-4.7
534	ok	0.08	0.6	3.80e-03	5.7	5.7	5.7	5.7	-17.1	5.5	-12.2	9.7	45.8	3.4
535	ok	0.08	0.7	3.88e-03	5.7	5.7	5.7	5.7	-17.9	9.9	-12.2	10.7	47.0	3.1
536	ok	0.08	0.7	3.75e-03	5.7	5.7	5.7	5.7	-16.2	13.0	-7.3	10.8	48.8	3.3
537	ok	0.08	0.7	2.81e-03	5.7	5.7	5.7	5.7	-13.6	8.1	6.4	19.6	50.1	8.0
538	ok	0.08	1.0	1.06e-02	6.4	6.3	5.8	5.7	33.1	18.9	-1.1	70.7	14.6	13.3
539	ok	0.08	0.5	1.06e-02	5.7	5.7	5.7	5.7	-48.1	5.3	7.8	24.4	17.0	15.8
540	ok	0.08	0.7	4.47e-03	5.7	5.7	5.7	5.7	-22.0	6.0	10.8	18.8	48.4	8.0
541	ok	0.08	0.8	4.35e-03	5.7	5.7	5.7	5.7	-21.9	12.8	10.5	19.3	51.3	8.1
542	ok	0.08	0.8	5.25e-03	5.7	5.7	5.7	5.7	-28.9	20.1	7.0	20.7	54.6	11.9
543	ok	0.08	0.7	5.29e-03	5.7	5.7	5.7	5.7	-26.3	5.6	11.1	17.9	42.5	11.7
544	ok	0.08	0.6	4.21e-03	5.7	5.7	5.7	5.7	-19.5	2.5	9.1	17.3	44.5	6.6
545	ok	0.08	0.6	5.11e-03	5.7	5.7	5.7	5.7	-27.0	-6.60e-02	10.8	18.4	39.1	8.0
546	ok	0.08	0.6	4.09e-03	5.7	5.7	5.7	5.7	-19.7	0.9	6.4	16.1	42.9	5.2
547	ok	0.08	0.5	5.48e-03	5.7	5.7	5.7	5.7	-27.4	-1.2	7.0	18.1	37.7	5.2
548	ok	0.08	0.8	8.71e-03	5.7	5.7	5.7	5.7	-39.4	20.5	-12.1	18.9	46.6	-18.5
549	ok	0.08	0.6	8.39e-03	5.7	5.7	5.7	5.7	-41.3	3.5	-16.5	19.3	35.1	-17.7
550	ok	0.08	0.5	7.48e-03	5.7	5.7	5.7	5.7	-38.8	-2.0	-6.0	23.0	30.0	-10.0
551	ok	0.08	0.4	7.16e-03	5.7	5.7	5.7	5.7	-39.0	-3.1	-6.4	23.1	28.0	-6.0
552	ok	0.08	0.4	7.57e-03	5.7	5.7	5.7	5.7	-39.5	9.28e-02	13.5	19.4	29.1	2.9
553	ok	0.08	0.5	9.09e-03	5.7	5.7	5.7	5.7	-45.5	6.0	18.8	19.1	33.4	6.8
554	ok	0.08	0.7	9.88e-03	5.7	5.7	5.7	5.7	-43.1	30.4	14.4	18.7	45.9	9.0
555	ok	0.08	0.4	7.01e-03	5.7	5.7	5.7	5.7	-38.1	-2.9	6.4	22.7	28.9	5.9
556	ok	0.08	0.5	7.31e-03	5.7	5.7	5.7	5.7	-37.9	-1.8	6.0	22.6	30.8	9.8
557	ok	0.08	0.6	4.52e-03	5.7	5.7	5.7	5.7	-20.4	2.7	4.3	14.9	43.9	3.6
558	ok	0.08	0.5	5.94e-03	5.7	5.7	5.7	5.7	-27.9	0.7	4.5	16.4	38.9	2.7
559	ok	0.08	0.7	4.89e-03	5.7	5.7	5.7	5.7	-24.2	7.1	-4.1	15.0	47.0	3.5
560	ok	0.08	0.6	6.18e-03	5.7	5.7	5.7	5.7	-31.4	5.4	-7.0	12.4	41.6	2.3
561	ok	0.08	0.8	5.33e-03	5.7	5.7	5.7	5.7	-26.7	20.6	-6.8	20.5	51.7	-12.5
562	ok	0.08	0.6	5.39e-03	5.7	5.7	5.7	5.7	-26.7	4.8	-8.8	17.8	42.7	-10.4
563	ok	0.08	0.6	5.22e-03	5.7	5.7	5.7	5.7	-27.8	-0.3	-10.7	18.5	38.9	-8.4
564	ok	0.08	0.5	5.57e-03	5.7	5.7	5.7	5.7	-28.1	-1.1	-6.7	18.4	37.5	-5.6
565	ok	0.08	0.5	6.03e-03	5.7	5.7	5.7	5.7	-28.4	0.6	-4.6	16.6	38.5	-2.6
566	ok	0.08	0.6	6.29e-03	5.7	5.7	5.7	5.7	-32.0	5.7	1.9	13.0	41.2	-1.6
567	ok	0.08	0.8	6.19e-03	5.7	5.7	5.7	5.7	-35.9	29.3	3.2	14.8	50.9	4.9
568	ok	0.08	0.7	4.86e-03	5.7	5.7	5.7	5.7	-24.9	14.2	-3.1	14.6	48.4	3.9
569	ok	0.08	0.8	6.09e-03	5.7	5.7	5.7	5.7	-32.4	24.5	2.5	16.0	53.0	1.9
570	ok	0.08	0.8	4.44e-03	5.7	5.7	5.7	5.7	-20.3	13.0	-10.5	19.4	49.5	-8.5
571	ok	0.08	0.7	4.55e-03	5.7	5.7	5.7	5.7	-22.5	6.0	-10.9	18.8	48.2	-8.2
572	ok	0.08	0.6	4.30e-03	5.7	5.7	5.7	5.7	-22.0	2.6	-9.4	17.3	44.0	-6.6
573	ok	0.08	0.6	4.18e-03	5.7	5.7	5.7	5.7	-22.2	0.8	-6.6	16.2	42.3	-4.9
574	ok	0.08	0.6	4.62e-03	5.7	5.7	5.7	5.7	-20.9	2.6	-4.3	15.0	43.6	-3.5
575	ok	0.08	0.6	4.99e-03	5.7	5.7	5.7	5.7	-24.7	7.2	4.2	14.9	46.9	-3.4
576	ok	0.08	0.7	4.96e-03	5.7	5.7	5.7	5.7	-25.5	14.6	3.1	14.7	48.7	-3.8
577	ok	0.08	0.4	7.45e-03	5.7	5.7	5.7	5.7	-41.3	-0.5	4.6	20.8	30.7	0.3
578	ok	0.08	0.5	8.96e-03	5.7	5.7	5.7	5.7	-45.4	6.2	-18.3	18.7	34.2	-6.3
579	ok	0.08	0.7	3.48e-03	5.7	5.7	5.7	5.7	-15.6	9.3	-10.8	18.2	48.4	-7.4
580	ok	0.08	0.7	3.46e-03	5.7	5.7	5.7	5.7	-16.0	5.6	-10.4	17.6	47.3	-6.8
581	ok	0.08	0.6	3.23e-03	5.7	5.7	5.7	5.7	-15.6	2.8	-8.8	16.6	45.8	-5.4
582	ok	0.08	0.6	2.95e-03	5.7	5.7	5.7	5.7	-14.1	1.9	-6.3	15.4	44.9	-4.9
583	ok	0.08	0.6	3.33e-03	5.7	5.7	5.7	5.7	-15.9	3.0	1.9	14.4	44.9	-4.9
584	ok	0.08	0.6	3.60e-03	5.7	5.7	5.7	5.7	-17.5	6.4	3.4	14.2	45.6	-4.3
585	ok	0.08	0.6	3.66e-03	5.7	5.7	5.7	5.7	-18.2	10.4	3.1	13.7	45.7	-4.0
586	ok	0.08	0.8	8.44e-03	5.7	5.7	5.7	5.7	-38.8	19.9	11.9	18.9	47.1	17.8
587	ok	0.08	0.6	8.21e-03	5.7	5.7	5.7	5.7	-40.7	3.5	16.2	19.1	36.0	17.1
588	ok	0.08	0.6	2.64e-03	5.7	5.7	5.7	5.7	-9.4	6.6	-10.9	16.7	44.4	-6.7
589	ok	0.08	0.6	2.52e-03	5.7	5.7	5.7	5.7	-9.7	4.8	-9.8	16.1	43.7	-6.1
590	ok	0.08	0.6	2.29e-03	5.7	5.7	5.7	5.7	-9.6	3.1	-8.2	15.3	43.1	-4.9
591	ok	0.08	0.6	2.05e-03	5.7	5.7	5.7	5.7	-9.5	2.5	-6.2	14.3	42.4	-4.6
592	ok	0.08	0.6	2.11e-03	5.7	5.7	5.7	5.7	-9.6	3.3	1.4	13.4	42.2	-4.9
593	ok	0.08	0.6	2.33e-03	5.7	5.7	5.7	5.7	-10.6	5.3	2.8	12.9	42.2	-4.5
594	ok	0.08	0.6	2.39e-03	5.7	5.7	5.7	5.7	-10.4	7.6	-2.9	12.2	42.1	-4.3
595	ok	0.08	0.6	1.95e-03	5.7	5.7	5.7	5.7	-3.5	4.4	-5.4	21.0	36.5	-3.3
596	ok	0.08	0.6	1.73e-03	5.7	5.7	5.7	5.7	-0.9	3.7	-7.64e-02	14.3	45.3	1.76e-02
597	ok	0.08	0.6	1.66e-03	5.7	5.7	5.7	5.7	-0.7	3.4	-3.47e-02	14.1	45.3	3.28e-02
598	ok	0.08	0.6	1.61e-03	5.7	5.7	5.7	5.7	-0.7	3.4	4.43e-02	13.6	45.3	0.1
599	ok	0.08	0.6	1.52e-03	5.7	5.7	5.7	5.7	-0.9	3.7	0.1	13.0	45.5	0.2
600	ok	0.08	0.6	1.50e-03	5.7	5.7	5.7	5.7	-1.1	4.1	0.1	12.2	45.8	0.2
601	ok	0.08	0.6	1.54e-03	5.7	5.7	5.7	5.7	-1.4	4.6	0.1	11.4	46.1	0.2
602	ok	0.08	0.6	1.90e-03	5.7	5.7	5.7	5.7	-3.3	4.3	5.2	20.9	36.4	3.3
603	ok	0.08	0.6	1.66e-03	5.7	5.7	5.7	5.7	-0.9	3.7	6.69e-02	14.3	45.4	-1.66e-02
604	ok	0.08	0.6	1.64e-03	5.7	5.7	5.7	5.7	-0.7	3.4	3.08e-02	14.1	45.3	-2.92e-02
605	ok	0.08	0.6	1.57e-03	5.7	5.7	5.7	5.7	-0.7	3.4	-3.74e-02	13.6	45.4	-9.11e-02
606	ok	0.08	0.6	1.50e-03	5.7	5.7	5.7	5.7	-0.9	3.7	-0.1	13.0	45.6	-0.2

607	ok	0.08	0.6	1.47e-03	5.7	5.7	5.7	5.7	-1.1	4.1	-0.1	12.2	45.9	-0.2
608	ok	0.08	0.6	1.51e-03	5.7	5.7	5.7	5.7	-1.4	4.6	-8.52e-02	11.4	46.2	-0.1
609	ok	0.08	0.7	9.62e-03	5.7	5.7	5.7	5.7	-43.1	29.4	-13.8	18.4	46.1	-8.3
610	ok	0.08	0.6	2.59e-03	5.7	5.7	5.7	5.7	-9.0	6.5	10.9	16.6	44.0	6.7
611	ok	0.08	0.6	2.45e-03	5.7	5.7	5.7	5.7	-9.3	4.7	9.7	16.0	43.3	6.1
612	ok	0.08	0.6	2.22e-03	5.7	5.7	5.7	5.7	-9.0	3.1	8.3	15.2	42.5	5.7
613	ok	0.08	0.6	2.02e-03	5.7	5.7	5.7	5.7	-8.2	2.6	6.0	14.3	42.3	4.6
614	ok	0.08	0.6	2.02e-03	5.7	5.7	5.7	5.7	-8.5	3.4	4.2	13.3	41.9	5.1
615	ok	0.08	0.6	2.24e-03	5.7	5.7	5.7	5.7	-10.1	5.2	-2.8	12.8	41.9	4.5
616	ok	0.08	0.6	2.31e-03	5.7	5.7	5.7	5.7	-9.9	7.4	2.8	12.1	41.7	4.3
617	ok	0.08	0.7	3.41e-03	5.7	5.7	5.7	5.7	-15.1	9.1	10.8	18.1	48.1	7.3
618	ok	0.08	0.7	3.39e-03	5.7	5.7	5.7	5.7	-15.5	5.5	10.4	17.5	47.1	6.7
619	ok	0.08	0.6	3.16e-03	5.7	5.7	5.7	5.7	-15.0	2.9	8.9	16.5	45.5	6.2
620	ok	0.08	0.6	2.88e-03	5.7	5.7	5.7	5.7	-13.7	1.9	6.3	15.3	44.9	4.8
621	ok	0.08	0.6	3.24e-03	5.7	5.7	5.7	5.7	-15.5	3.0	-1.8	14.4	44.8	4.9
622	ok	0.08	0.6	3.50e-03	5.7	5.7	5.7	5.7	-17.0	6.3	-3.4	14.1	45.4	4.4
623	ok	0.08	0.6	3.56e-03	5.7	5.7	5.7	5.7	-17.7	10.2	-3.1	13.6	45.4	4.0
624	ok	0.08	1.0	5.06e-03	5.7	5.7	5.7	5.7	3.8	4.7	16.8	16.6	65.1	16.0
625	ok	0.08	1.0	6.62e-03	5.7	6.2	5.7	6.6	6.8	23.8	21.8	14.2	74.9	15.4
626	ok	0.09	1.0	7.25e-03	5.7	6.7	5.7	7.4	8.8	21.4	14.6	13.2	78.2	28.2
627	ok	0.08	1.0	5.32e-03	5.7	5.7	5.7	5.7	1.0	2.2	8.3	17.3	57.7	25.1
628	ok	0.08	0.8	3.89e-03	5.7	5.7	5.7	5.7	-1.0	-3.7	11.3	18.7	56.6	14.7
629	ok	0.08	0.8	3.54e-03	5.7	5.7	5.7	5.7	-6.8	-4.3	11.1	21.8	52.2	16.9
630	ok	0.08	0.8	3.11e-03	5.7	5.7	5.7	5.7	-6.4	-4.4	6.9	20.1	52.0	12.3
631	ok	0.08	0.7	3.08e-03	5.7	5.7	5.7	5.7	-13.7	-6.3	5.4	23.0	47.5	12.7
632	ok	0.09	1.0	7.89e-03	5.7	7.4	5.7	7.7	0.3	20.4	-21.7	18.3	73.0	-38.1
633	ok	0.08	1.0	4.49e-03	5.7	5.9	5.7	5.9	-13.0	-3.3	-8.8	24.2	51.8	-30.9
634	ok	0.08	0.8	4.33e-03	5.7	5.7	5.7	5.7	-21.4	-8.3	-4.0	29.3	41.4	-23.0
635	ok	0.08	0.7	4.58e-03	5.7	5.7	5.7	5.7	-20.2	-7.0	-7.6	29.0	35.8	-17.8
636	ok	0.08	0.6	5.28e-03	5.7	5.7	5.7	5.7	-25.4	-2.7	-3.8	28.7	35.9	-9.6
637	ok	0.08	0.6	7.09e-03	5.7	5.7	5.7	5.7	-28.8	4.9	1.0	24.3	40.4	-3.3
638	ok	0.08	0.7	7.85e-03	5.7	5.7	5.7	5.7	-30.9	30.2	12.0	23.2	47.6	4.4
639	ok	0.08	0.7	4.41e-03	5.7	5.7	5.7	5.7	-19.3	-6.0	7.8	28.5	37.3	15.4
640	ok	0.08	0.8	4.10e-03	5.7	5.7	5.7	5.7	-20.1	-8.0	4.0	28.7	42.5	22.7
641	ok	0.08	0.7	2.55e-03	5.7	5.7	5.7	5.7	-11.7	-1.4	4.0	20.8	51.0	10.0
642	ok	0.08	0.7	3.30e-03	5.7	5.7	5.7	5.7	-13.0	-1.9	7.5	22.0	46.2	10.5
643	ok	0.08	0.8	3.01e-03	5.7	5.7	5.7	5.7	-16.8	4.8	3.0	21.5	52.7	8.7
644	ok	0.08	0.7	4.02e-03	5.7	5.7	5.7	5.7	-24.2	3.3	-1.0	20.2	47.7	7.8
645	ok	0.09	1.0	7.30e-03	5.7	6.7	5.7	7.3	8.7	21.1	-14.0	13.1	77.3	-29.3
646	ok	0.08	1.0	5.30e-03	5.7	5.7	5.7	5.7	0.5	-0.6	-7.7	17.4	56.5	-25.9
647	ok	0.08	0.8	3.56e-03	5.7	5.7	5.7	5.7	-7.5	-4.7	-10.6	22.2	51.8	-17.3
648	ok	0.08	0.7	3.09e-03	5.7	5.7	5.7	5.7	-7.5	-5.0	-12.3	21.9	46.7	-14.7
649	ok	0.08	0.7	3.40e-03	5.7	5.7	5.7	5.7	-13.6	-1.9	-7.2	22.3	45.8	-10.4
650	ok	0.08	0.7	4.11e-03	5.7	5.7	5.7	5.7	-18.5	4.6	-3.5	20.4	47.4	-7.6
651	ok	0.08	0.8	4.76e-03	5.7	5.7	5.7	5.7	-24.6	24.6	-4.2	22.9	57.4	-6.2
652	ok	0.08	0.8	3.65e-03	5.7	5.7	5.7	5.7	-20.0	12.6	4.2	21.0	53.2	8.5
653	ok	0.08	0.8	4.66e-03	5.7	5.7	5.7	5.7	-24.1	23.7	4.2	23.2	57.6	6.5
654	ok	0.08	1.0	6.66e-03	5.7	6.1	5.7	6.6	6.9	23.8	-21.6	14.2	75.4	-16.0
655	ok	0.08	1.0	5.09e-03	5.7	5.7	5.7	5.7	3.8	4.3	-16.4	16.6	65.0	-16.5
656	ok	0.08	0.8	3.85e-03	5.7	5.7	5.7	5.7	-1.3	-3.9	-10.8	18.8	56.2	-15.1
657	ok	0.08	0.8	3.09e-03	5.7	5.7	5.7	5.7	-6.8	-4.6	-6.5	20.2	51.6	-12.4
658	ok	0.08	0.7	2.53e-03	5.7	5.7	5.7	5.7	-12.2	-1.4	-3.7	20.8	50.6	-10.0
659	ok	0.08	0.8	3.08e-03	5.7	5.7	5.7	5.7	-17.3	4.9	-2.8	21.5	52.6	-8.6
660	ok	0.08	0.8	3.73e-03	5.7	5.7	5.7	5.7	-20.5	13.0	-4.0	21.1	53.4	-8.4
661	ok	0.08	0.6	5.16e-03	5.7	5.7	5.7	5.7	-24.4	-2.6	3.9	28.2	36.8	9.6
662	ok	0.08	0.6	6.97e-03	5.7	5.7	5.7	5.7	-28.1	4.9	-0.8	24.0	41.3	3.6
663	ok	0.08	1.0	5.58e-03	5.7	5.7	5.7	5.7	4.3	21.3	-22.6	12.8	65.9	-10.7
664	ok	0.08	0.9	4.47e-03	5.7	5.7	5.7	5.7	3.2	6.8	-20.7	15.8	61.6	-11.0
665	ok	0.08	0.8	3.95e-03	5.7	5.7	5.7	5.7	0.4	-1.0	-16.2	17.7	56.9	-11.0
666	ok	0.08	0.8	3.25e-03	5.7	5.7	5.7	5.7	-3.4	-2.8	-11.7	19.0	53.5	-10.4
667	ok	0.08	0.7	2.72e-03	5.7	5.7	5.7	5.7	-7.6	-0.8	-8.2	19.9	51.9	-9.5
668	ok	0.08	0.7	2.54e-03	5.7	5.7	5.7	5.7	-11.4	3.6	-6.3	20.1	51.1	-8.8
669	ok	0.08	0.7	2.87e-03	5.7	5.7	5.7	5.7	-14.1	8.4	-6.3	19.7	50.3	-8.1
670	ok	0.09	1.0	7.86e-03	5.7	7.4	5.7	7.6	1.7	21.0	22.4	18.0	73.9	36.9
671	ok	0.08	1.0	4.35e-03	5.7	5.9	5.7	5.9	-11.4	-2.6	9.7	23.7	53.0	30.3
672	ok	0.08	0.8	4.95e-03	5.7	5.7	5.7	5.7	2.3	14.9	-22.2	11.4	56.0	-7.5
673	ok	0.08	0.8	4.30e-03	5.7	5.7	5.7	5.7	1.8	6.2	-22.3	14.6	53.8	-8.0
674	ok	0.08	0.7	3.78e-03	5.7	5.7	5.7	5.7	0.3	0.9	-19.3	16.6	51.4	-8.5
675	ok	0.08	0.7	3.38e-03	5.7	5.7	5.7	5.7	-1.9	-1.1	-15.3	17.8	49.4	-8.7
676	ok	0.08	0.7	2.90e-03	5.7	5.7	5.7	5.7	-4.4	-2.22e-02	-11.7	18.4	47.9	-8.6
677	ok	0.08	0.7	2.55e-03	5.7	5.7	5.7	5.7	-6.7	2.7	-9.3	18.5	46.8	-8.2
678	ok	0.08	0.7	2.45e-03	5.7	5.7	5.7	5.7	-8.5	5.5	-8.2	18.1	46.0	-7.6
679	ok	0.08	0.6	4.21e-03	5.7	5.7	5.7	5.7	-3.7	-5.1	-10.7	15.2	47.6	-3.5
680	ok	0.08	0.6	4.00e-03	5.7	5.7	5.7	5.7	-4.0	-3.2	-11.2	19.9	45.4	-3.4
681	ok	0.08	0.6	3.89e-03	5.7	5.7	5.7	5.7	-3.8	-2.1	-10.3	22.5	43.8	-3.4
682	ok	0.08	0.6	3.53e-03	5.7	5.7	5.7	5.7	-3.5	-1.4	-8.8	23.5	42.6	-3.5
683	ok	0.08	0.6	2.95e-03	5.7	5.7	5.7	5.7	-3.3	-0.7	-7.2	23.5	41.8	-3.6

684	ok	0.08	0.6	2.53e-03	5.7	5.7	5.7	5.7	-3.4	0.4	-5.9	23.1	40.9	-3.6
685	ok	0.08	0.6	2.25e-03	5.7	5.7	5.7	5.7	-3.6	1.9	-5.0	22.5	39.7	-3.6
686	ok	0.08	0.6	4.16e-03	5.7	5.7	5.7	5.7	-3.8	-5.3	10.7	15.2	47.3	3.3
687	ok	0.08	0.6	3.97e-03	5.7	5.7	5.7	5.7	-4.0	-3.3	11.2	19.9	45.2	3.3
688	ok	0.08	0.6	3.87e-03	5.7	5.7	5.7	5.7	-3.8	-2.1	10.3	22.4	43.6	3.3
689	ok	0.08	0.6	3.53e-03	5.7	5.7	5.7	5.7	-3.5	-1.4	8.7	23.5	42.5	3.4
690	ok	0.08	0.6	2.95e-03	5.7	5.7	5.7	5.7	-3.3	-0.6	7.1	23.5	41.6	3.6
691	ok	0.08	0.6	2.52e-03	5.7	5.7	5.7	5.7	-3.3	0.4	5.7	23.0	40.7	3.6
692	ok	0.08	0.6	2.13e-03	5.7	5.7	5.7	5.7	-3.5	1.9	4.8	22.5	39.6	3.6
693	ok	0.08	0.8	7.60e-03	5.7	5.7	5.7	5.7	-37.2	24.1	-2.7	19.2	51.0	1.1
694	ok	0.08	0.8	4.90e-03	5.7	5.7	5.7	5.7	2.2	14.4	22.2	11.3	55.3	7.3
695	ok	0.08	0.8	4.27e-03	5.7	5.7	5.7	5.7	1.7	6.1	22.4	14.6	53.1	7.9
696	ok	0.08	0.7	3.77e-03	5.7	5.7	5.7	5.7	0.3	0.9	19.5	16.6	50.9	8.4
697	ok	0.08	0.7	3.38e-03	5.7	5.7	5.7	5.7	-1.8	-1.0	15.5	17.7	48.9	8.6
698	ok	0.08	0.7	2.91e-03	5.7	5.7	5.7	5.7	-4.2	2.15e-02	11.9	18.3	47.5	8.5
699	ok	0.08	0.7	2.55e-03	5.7	5.7	5.7	5.7	-6.4	2.6	9.5	18.3	46.4	8.1
700	ok	0.08	0.7	2.43e-03	5.7	5.7	5.7	5.7	-8.1	5.3	8.3	17.9	45.6	7.6
701	ok	0.08	1.0	5.56e-03	5.7	5.7	5.7	5.7	4.1	20.9	22.7	12.7	65.3	10.4
702	ok	0.08	0.9	4.44e-03	5.7	5.7	5.7	5.7	3.2	6.9	20.9	15.7	61.1	10.7
703	ok	0.08	0.8	3.95e-03	5.7	5.7	5.7	5.7	0.5	-0.8	16.5	17.6	56.7	10.8
704	ok	0.08	0.8	3.27e-03	5.7	5.7	5.7	5.7	-3.2	-2.7	12.0	18.9	53.4	10.3
705	ok	0.08	0.7	2.74e-03	5.7	5.7	5.7	5.7	-7.3	-0.8	8.5	19.8	51.8	9.5
706	ok	0.08	1.0	9.77e-03	6.2	6.2	6.0	5.7	-34.4	-15.9	9.3	-84.6	-17.4	10.2
707	ok	0.10	1.0	5.43e-03	6.0	6.3	7.3	9.7	-16.4	33.6	-0.8	13.8	109.7	8.1
708	ok	0.08	0.6	1.02e-02	5.7	5.7	5.7	5.7	-49.5	4.8	-6.9	29.8	17.6	-21.9
709	ok	0.08	0.4	1.03e-02	5.7	5.7	5.7	5.7	-54.0	-3.4	0.3	29.9	13.9	-13.8
710	ok	0.08	0.4	9.95e-03	5.7	5.7	5.7	5.7	-54.4	-4.6	-5.9	29.2	13.1	-3.4
711	ok	0.08	0.4	9.79e-03	5.7	5.7	5.7	5.7	-56.9	-2.6	-3.3	29.2	14.3	9.4
712	ok	0.08	0.5	8.78e-03	5.7	5.7	5.7	5.7	-43.6	9.1	12.4	28.8	18.9	10.6
713	ok	0.08	1.0	7.68e-03	5.9	5.7	5.7	5.7	-26.9	19.4	25.6	25.2	32.1	19.2
714	ok	0.08	0.4	1.03e-02	5.7	5.7	5.7	5.7	-53.8	-3.5	-0.2	29.9	14.3	13.7
715	ok	0.08	0.4	9.93e-03	5.7	5.7	5.7	5.7	-54.2	-4.6	5.9	29.2	13.5	3.5
716	ok	0.08	0.8	3.99e-03	5.7	5.7	5.7	5.7	-17.6	15.8	7.8	19.4	51.4	8.5
717	ok	0.08	0.8	4.88e-03	5.7	5.7	5.7	5.7	-24.5	16.8	7.6	20.2	57.0	9.4
718	ok	0.08	0.9	4.95e-03	5.7	5.7	5.7	5.7	-25.1	17.0	-7.6	20.4	59.0	-9.5
719	ok	0.08	0.8	4.07e-03	5.7	5.7	5.7	5.7	-18.1	16.2	-7.7	19.5	51.7	-8.6
720	ok	0.08	0.4	9.74e-03	5.7	5.7	5.7	5.7	-57.4	-2.6	3.1	29.4	14.7	-8.9
721	ok	0.08	0.5	8.74e-03	5.7	5.7	5.7	5.7	-43.6	8.9	-12.6	28.6	19.2	-10.4
722	ok	0.08	0.7	3.11e-03	5.7	5.7	5.7	5.7	-13.8	11.3	-9.5	18.8	49.7	-8.0
723	ok	0.09	1.0	5.21e-03	6.0	5.9	7.1	9.6	-20.1	30.5	-1.5	23.5	114.1	11.5
724	ok	0.08	0.7	2.53e-03	5.7	5.7	5.7	5.7	-8.3	7.4	-10.8	17.3	45.2	-7.4
725	ok	0.08	0.6	2.09e-03	5.7	5.7	5.7	5.7	-3.7	3.4	-4.4	21.8	38.3	-3.5
726	ok	0.08	0.6	2.00e-03	5.7	5.7	5.7	5.7	-3.3	3.4	5.6	21.6	38.1	3.5
727	ok	0.08	0.7	2.49e-03	5.7	5.7	5.7	5.7	-7.9	7.2	10.9	17.2	44.8	7.4
728	ok	0.08	1.0	7.67e-03	5.8	5.7	5.7	5.7	-45.4	7.4	-2.3	-37.8	21.0	-30.9
729	ok	0.08	0.7	3.06e-03	5.7	5.7	5.7	5.7	-13.4	11.0	9.6	18.7	49.4	7.9
730	ok	0.08	1.0	9.79e-03	6.2	6.1	5.8	5.7	-37.5	12.0	15.9	21.8	26.4	28.9
731	ok	0.08	0.6	1.01e-02	5.7	5.7	5.7	5.7	-49.4	5.0	7.0	29.7	18.0	21.7
732	ok	0.09	1.0	1.12e-02	6.5	7.6	6.5	7.6	-51.2	3.1	-35.1	-40.3	28.1	-71.6
733	ok	0.09	1.0	1.10e-02	6.5	7.6	6.5	7.6	-37.4	12.5	6.9	26.9	41.9	52.5
734	ok	0.11	1.0	1.66e-02	6.1	8.0	11.8	14.5	-20.7	-89.9	-10.6	-22.9	-141.8	28.5
735	ok	0.08	0.9	1.01e-02	5.7	5.7	5.7	5.7	-44.3	-9.3	4.5	35.9	28.1	-41.1
736	ok	0.08	0.7	8.74e-03	5.7	5.7	5.7	5.7	-43.2	-9.4	3.9	37.0	20.7	-28.6
737	ok	0.08	0.6	8.09e-03	5.7	5.7	5.7	5.7	-40.2	-6.0	-4.8	39.1	18.3	-17.3
738	ok	0.08	0.5	7.65e-03	5.7	5.7	5.7	5.7	-38.3	-3.4	-2.7	40.7	18.7	-5.0
739	ok	0.08	0.5	6.66e-03	5.7	5.7	5.7	5.7	-36.4	6.4	4.5	37.1	22.2	4.7
740	ok	0.08	0.9	6.64e-03	5.7	5.7	5.7	5.7	-13.8	21.6	25.5	32.2	35.3	14.1
741	ok	0.08	0.7	8.74e-03	5.7	5.7	5.7	5.7	-43.1	-9.5	-3.8	37.1	21.2	28.4
742	ok	0.08	0.6	8.08e-03	5.7	5.7	5.7	5.7	-40.3	-6.2	4.9	39.1	18.8	17.4
743	ok	0.08	1.0	1.13e-02	5.7	6.1	5.7	7.1	6.4	58.6	19.8	7.7	78.4	13.5
744	ok	0.09	1.0	1.40e-02	5.7	6.5	5.7	9.5	15.9	79.0	15.7	12.2	99.4	23.6
745	ok	0.09	1.0	1.42e-02	6.0	6.4	6.0	9.7	16.2	80.6	-15.4	12.7	102.0	-24.5
746	ok	0.08	1.0	1.15e-02	5.7	6.0	5.7	7.2	6.7	60.1	-19.9	7.9	79.5	-14.1
747	ok	0.08	0.5	7.61e-03	5.7	5.7	5.7	5.7	-38.3	-3.5	2.6	40.6	19.2	5.1
748	ok	0.08	0.5	6.63e-03	5.7	5.7	5.7	5.7	-37.3	6.1	-4.8	37.2	22.7	-4.4
749	ok	0.08	1.0	8.57e-03	5.7	5.8	5.7	5.9	3.6	42.1	-17.1	6.0	68.1	-8.4
750	ok	0.11	1.0	1.64e-02	5.9	7.8	11.5	14.2	24.7	96.3	-6.6	19.0	140.6	38.9
751	ok	0.08	0.8	6.11e-03	5.7	5.7	5.7	5.7	-2.6	-4.8	-8.2	6.8	51.7	-6.1
752	ok	0.08	0.7	4.16e-03	5.7	5.7	5.7	5.7	-2.9	-9.3	-7.7	6.4	50.2	-2.3
753	ok	0.08	0.7	4.04e-03	5.7	5.7	5.7	5.7	-2.9	-9.6	7.7	6.4	50.0	2.0
754	ok	0.08	0.8	5.95e-03	5.7	5.7	5.7	5.7	2.1	25.5	15.8	4.7	56.7	4.6
755	ok	0.08	0.9	6.64e-03	5.7	5.7	5.7	5.7	-14.0	22.6	-25.5	31.9	35.6	-14.1
756	ok	0.08	1.0	8.37e-03	5.7	5.8	5.7	5.8	3.5	40.9	17.0	5.9	67.3	8.1

Nodo	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
								-65.40	-105.94	-35.10	-94.44	-163.29	-92.90
	0.12	0.99	0.02	12.43	13.93	15.56	17.65	33.14	109.71	31.89	70.65	167.49	85.64

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					kN/ m	kN/ m
1	ok	0.0						
3	ok	0.0						
5	ok	0.0						
7	ok	0.0						
9	ok	0.0						
11	ok	0.0						
13	ok	0.0						
15	ok	0.0						
17	ok	0.0						
18	ok	0.0						
19	ok	0.0						
20	ok	0.0						
21	ok	0.0						
22	ok	1.88						
23	ok	0.0						
24	ok	1.00						
25	ok	1.00						
26	ok	0.69						
27	ok	0.69						
28	ok	0.91						
29	ok	0.91						
30	ok	1.48						
31	ok	1.48						
32	ok	0.0						
33	ok	0.0						
34	ok	0.0						
35	ok	0.0						
36	ok	0.0						
37	ok	0.0						
38	ok	0.0						
39	ok	1.87						
40	ok	1.33						
41	ok	0.92						
42	ok	0.64						
43	ok	0.57						
44	ok	0.86						
45	ok	1.91						
46	ok	0.0						
47	ok	0.0						
48	ok	1.08						
49	ok	1.12						
50	ok	1.12						
51	ok	0.97						
52	ok	0.74						
53	ok	0.65						
54	ok	0.73						
55	ok	0.90						
56	ok	1.25						
57	ok	1.63						
58	ok	1.63						
59	ok	0.85						
60	ok	0.86						
61	ok	0.86						
62	ok	0.84						
63	ok	0.74						
64	ok	0.72						
65	ok	0.79						
66	ok	0.92						
67	ok	1.21						
68	ok	1.21						
69	ok	1.08						
70	ok	0.76						
71	ok	0.77						
72	ok	0.77						
73	ok	0.76						
74	ok	0.74						
75	ok	0.74						
76	ok	0.80						
77	ok	0.92						
78	ok	1.06						
79	ok	1.06						
80	ok	0.89						
81	ok	0.69						

82	ok	0.70
83	ok	0.71
84	ok	0.71
85	ok	0.71
86	ok	0.74
87	ok	0.80
88	ok	0.88
89	ok	0.98
90	ok	0.98
91	ok	0.78
92	ok	0.68
93	ok	0.69
94	ok	0.70
95	ok	0.70
96	ok	0.71
97	ok	0.74
98	ok	0.80
99	ok	0.87
100	ok	0.97
101	ok	0.97
102	ok	0.77
103	ok	0.76
104	ok	0.77
105	ok	0.77
106	ok	0.76
107	ok	0.73
108	ok	0.74
109	ok	0.80
110	ok	0.92
111	ok	1.06
112	ok	1.06
113	ok	0.88
114	ok	0.85
115	ok	0.85
116	ok	0.85
117	ok	0.82
118	ok	0.74
119	ok	0.72
120	ok	0.80
121	ok	0.94
122	ok	1.20
123	ok	1.20
124	ok	1.03
125	ok	0.98
126	ok	1.02
127	ok	1.02
128	ok	0.95
129	ok	0.74
130	ok	0.65
131	ok	0.73
132	ok	0.94
133	ok	1.46
134	ok	1.46
135	ok	1.46
136	ok	0.0
137	ok	0.0
138	ok	1.79
139	ok	1.31
140	ok	0.91
141	ok	0.64
142	ok	0.56
143	ok	0.88
144	ok	1.80
145	ok	0.0
146	ok	0.0
147	ok	0.0
148	ok	0.0
149	ok	0.0
150	ok	1.88
151	ok	0.99
152	ok	0.68
153	ok	0.90
154	ok	1.48
155	ok	0.0
156	ok	0.0
157	ok	0.0
158	ok	0.0

159	ok	0.0
160	ok	0.0
161	ok	0.0
162	ok	0.99
163	ok	0.68
164	ok	0.90
165	ok	1.48
166	ok	0.0
167	ok	0.0
168	ok	0.75
169	ok	0.0
170	ok	0.0
171	ok	0.0
172	ok	0.0
173	ok	1.94
174	ok	1.94
175	ok	1.05
176	ok	1.05
177	ok	0.74
178	ok	0.74
179	ok	0.80
180	ok	0.80
181	ok	1.32
182	ok	1.32
183	ok	0.0
184	ok	0.0
185	ok	0.0
186	ok	0.0
187	ok	0.0
188	ok	0.0
189	ok	1.74
190	ok	1.31
191	ok	0.94
192	ok	0.66
193	ok	0.68
194	ok	0.87
195	ok	1.31
196	ok	0.0
197	ok	1.00
198	ok	1.05
199	ok	1.05
200	ok	0.91
201	ok	0.72
202	ok	0.58
203	ok	0.57
204	ok	0.66
205	ok	0.84
206	ok	0.96
207	ok	0.77
208	ok	0.78
209	ok	0.78
210	ok	0.75
211	ok	0.67
212	ok	0.58
213	ok	0.59
214	ok	0.66
215	ok	0.76
216	ok	0.82
217	ok	0.67
218	ok	0.67
219	ok	0.67
220	ok	0.66
221	ok	0.62
222	ok	0.58
223	ok	0.59
224	ok	0.64
225	ok	0.69
226	ok	0.74
227	ok	0.58
228	ok	0.59
229	ok	0.59
230	ok	0.58
231	ok	0.57
232	ok	0.55
233	ok	0.56
234	ok	0.60
235	ok	0.63

236	ok	0.67
237	ok	0.58
238	ok	0.58
239	ok	0.58
240	ok	0.57
241	ok	0.56
242	ok	0.55
243	ok	0.56
244	ok	0.59
245	ok	0.63
246	ok	0.66
247	ok	0.66
248	ok	0.67
249	ok	0.67
250	ok	0.65
251	ok	0.62
252	ok	0.58
253	ok	0.59
254	ok	0.64
255	ok	0.69
256	ok	0.73
257	ok	0.77
258	ok	0.77
259	ok	0.77
260	ok	0.73
261	ok	0.67
262	ok	0.58
263	ok	0.59
264	ok	0.67
265	ok	0.75
266	ok	0.82
267	ok	0.92
268	ok	0.95
269	ok	0.95
270	ok	0.90
271	ok	0.70
272	ok	0.58
273	ok	0.57
274	ok	0.68
275	ok	0.89
276	ok	0.94
277	ok	0.0
278	ok	0.0
279	ok	1.69
280	ok	1.28
281	ok	0.92
282	ok	0.66
283	ok	0.66
284	ok	0.95
285	ok	1.25
286	ok	0.0
287	ok	0.0
288	ok	0.0
289	ok	0.0
290	ok	1.93
291	ok	1.04
292	ok	0.73
293	ok	0.78
294	ok	1.29
295	ok	0.0
296	ok	0.0
297	ok	0.0
298	ok	0.0
299	ok	0.0
300	ok	1.93
301	ok	1.04
302	ok	0.73
303	ok	0.78
304	ok	1.29
305	ok	0.0
306	ok	0.0
307	ok	0.0
308	ok	0.0
309	ok	0.78
310	ok	1.25
311	ok	1.97
312	ok	0.0

313	ok	0.0
314	ok	0.0
315	ok	1.98
316	ok	1.98
317	ok	1.03
318	ok	1.03
319	ok	0.80
320	ok	0.80
321	ok	1.29
322	ok	1.29
323	ok	0.0
324	ok	0.0
325	ok	0.0
326	ok	0.0
327	ok	0.92
328	ok	0.92
329	ok	0.0
330	ok	0.0
331	ok	0.0
332	ok	0.0
333	ok	1.08
334	ok	0.77
335	ok	0.71
336	ok	0.92
337	ok	1.42
338	ok	0.0
339	ok	0.92
340	ok	1.05
341	ok	0.75
342	ok	0.95
343	ok	0.95
344	ok	0.93
345	ok	0.63
346	ok	0.54
347	ok	0.69
348	ok	0.82
349	ok	0.92
350	ok	0.63
351	ok	1.97
352	ok	1.03
353	ok	0.70
354	ok	0.79
355	ok	0.79
356	ok	0.63
357	ok	0.56
358	ok	0.62
359	ok	0.71
360	ok	0.76
361	ok	0.55
362	ok	0.78
363	ok	1.25
364	ok	0.58
365	ok	0.69
366	ok	0.69
367	ok	0.61
368	ok	0.56
369	ok	0.59
370	ok	0.63
371	ok	0.66
372	ok	0.69
373	ok	0.0
374	ok	0.0
375	ok	0.49
376	ok	0.61
377	ok	0.61
378	ok	0.55
379	ok	0.53
380	ok	0.54
381	ok	0.56
382	ok	0.57
383	ok	0.84
384	ok	0.90
385	ok	0.0
386	ok	0.49
387	ok	0.60
388	ok	0.60
389	ok	0.55

390	ok	0.53
391	ok	0.53
392	ok	0.55
393	ok	0.57
394	ok	0.0
395	ok	0.69
396	ok	1.02
397	ok	0.57
398	ok	0.68
399	ok	0.68
400	ok	0.60
401	ok	0.56
402	ok	0.59
403	ok	0.63
404	ok	0.65
405	ok	1.03
406	ok	0.0
407	ok	1.31
408	ok	0.69
409	ok	0.78
410	ok	0.78
411	ok	0.63
412	ok	0.56
413	ok	0.62
414	ok	0.70
415	ok	0.0
417	ok	0.0
419	ok	0.0
420	ok	0.0
423	ok	2.27
426	ok	0.0
427	ok	0.0
428	ok	0.81
429	ok	0.86
430	ok	1.72
431	ok	1.29
432	ok	0.67
433	ok	0.94
434	ok	0.55
435	ok	0.63
436	ok	0.0
437	ok	0.82
438	ok	0.0
439	ok	0.0
440	ok	0.0
441	ok	2.43
442	ok	1.06
443	ok	1.06
444	ok	0.75
445	ok	0.75
446	ok	1.16
447	ok	1.16
448	ok	0.0
449	ok	0.0
450	ok	0.0
451	ok	0.0
452	ok	0.74
453	ok	1.05
454	ok	1.05
455	ok	0.74
456	ok	0.89
457	ok	0.0
458	ok	0.67
459	ok	0.81
460	ok	0.99
461	ok	1.19
462	ok	0.0
463	ok	0.0
464	ok	1.34
465	ok	0.97
466	ok	0.64
467	ok	0.84
468	ok	1.15
469	ok	0.0
470	ok	0.99
471	ok	0.0
472	ok	0.91

473	ok	0.88
474	ok	0.82
475	ok	0.68
476	ok	0.55
477	ok	0.67
478	ok	1.00
479	ok	1.00
480	ok	1.16
481	ok	1.16
482	ok	0.0
483	ok	0.0
484	ok	0.76
485	ok	0.75
486	ok	0.69
487	ok	0.61
488	ok	0.58
489	ok	0.67
490	ok	0.82
491	ok	0.82
492	ok	0.0
493	ok	0.0
494	ok	2.39
495	ok	0.68
496	ok	0.66
497	ok	0.63
498	ok	0.60
499	ok	0.58
500	ok	0.64
501	ok	0.71
502	ok	0.71
503	ok	0.60
504	ok	0.59
505	ok	0.58
506	ok	0.56
507	ok	0.56
508	ok	0.59
509	ok	0.63
510	ok	0.63
511	ok	0.60
512	ok	0.59
513	ok	0.57
514	ok	0.55
515	ok	0.55
516	ok	0.58
517	ok	0.62
518	ok	0.62
519	ok	0.0
520	ok	0.67
521	ok	0.66
522	ok	0.63
523	ok	0.59
524	ok	0.58
525	ok	0.64
526	ok	0.71
527	ok	0.71
528	ok	0.0
529	ok	0.75
530	ok	0.74
531	ok	0.69
532	ok	0.61
533	ok	0.58
534	ok	0.67
535	ok	0.81
536	ok	0.81
537	ok	0.84
538	ok	0.0
539	ok	0.0
540	ok	0.85
541	ok	0.90
542	ok	1.84
543	ok	1.15
544	ok	0.65
545	ok	0.88
546	ok	0.60
547	ok	0.69
548	ok	0.0
549	ok	2.31

550	ok	1.11
551	ok	0.73
552	ok	1.13
553	ok	0.0
554	ok	0.0
555	ok	0.73
556	ok	1.10
557	ok	0.72
558	ok	0.99
559	ok	0.90
560	ok	1.27
561	ok	0.0
562	ok	1.21
563	ok	0.91
564	ok	0.70
565	ok	1.01
566	ok	1.33
567	ok	0.0
568	ok	0.90
569	ok	0.0
570	ok	0.92
571	ok	0.86
572	ok	0.65
573	ok	0.60
574	ok	0.72
575	ok	0.91
576	ok	0.91
577	ok	1.13
578	ok	0.0
579	ok	0.81
580	ok	0.74
581	ok	0.65
582	ok	0.62
583	ok	0.68
584	ok	0.74
585	ok	0.76
586	ok	0.0
587	ok	2.27
588	ok	0.75
589	ok	0.70
590	ok	0.65
591	ok	0.62
592	ok	0.64
593	ok	0.67
594	ok	0.68
595	ok	0.68
596	ok	0.65
597	ok	0.62
598	ok	0.60
599	ok	0.60
600	ok	0.60
601	ok	0.60
602	ok	0.68
603	ok	0.65
604	ok	0.62
605	ok	0.60
606	ok	0.59
607	ok	0.60
608	ok	0.60
609	ok	0.0
610	ok	0.74
611	ok	0.70
612	ok	0.65
613	ok	0.62
614	ok	0.64
615	ok	0.66
616	ok	0.67
617	ok	0.81
618	ok	0.74
619	ok	0.65
620	ok	0.62
621	ok	0.68
622	ok	0.74
623	ok	0.75
624	ok	1.23
625	ok	1.37
626	ok	3.00

627	ok	1.31
628	ok	0.83
629	ok	0.71
630	ok	0.68
631	ok	0.67
632	ok	0.0
633	ok	2.31
634	ok	1.22
635	ok	0.79
636	ok	1.09
637	ok	0.0
638	ok	0.0
639	ok	0.79
640	ok	1.21
641	ok	0.76
642	ok	0.99
643	ok	0.96
644	ok	1.35
645	ok	0.0
646	ok	1.28
647	ok	0.70
648	ok	0.68
649	ok	1.01
650	ok	1.40
651	ok	0.0
652	ok	0.97
653	ok	0.0
654	ok	1.42
655	ok	1.23
656	ok	0.82
657	ok	0.67
658	ok	0.75
659	ok	0.97
660	ok	0.99
661	ok	1.08
662	ok	0.0
663	ok	1.12
664	ok	1.12
665	ok	0.87
666	ok	0.77
667	ok	0.75
668	ok	0.83
669	ok	0.85
670	ok	0.0
671	ok	2.27
672	ok	1.02
673	ok	1.02
674	ok	0.87
675	ok	0.78
676	ok	0.75
677	ok	0.77
678	ok	0.77
679	ok	0.94
680	ok	0.94
681	ok	0.84
682	ok	0.78
683	ok	0.74
684	ok	0.73
685	ok	0.72
686	ok	0.94
687	ok	0.94
688	ok	0.84
689	ok	0.78
690	ok	0.74
691	ok	0.72
692	ok	0.72
693	ok	0.0
694	ok	1.01
695	ok	1.01
696	ok	0.87
697	ok	0.78
698	ok	0.75
699	ok	0.77
700	ok	0.77
701	ok	1.11
702	ok	1.11
703	ok	0.87

704	ok	0.78
705	ok	0.76
706	ok	0.0
707	ok	0.0
708	ok	0.0
709	ok	1.11
710	ok	0.73
711	ok	1.13
712	ok	0.0
713	ok	0.0
714	ok	1.10
715	ok	0.73
716	ok	0.97
717	ok	0.0
718	ok	0.0
719	ok	0.99
720	ok	1.13
721	ok	0.0
722	ok	0.85
723	ok	0.0
724	ok	0.77
725	ok	0.71
726	ok	0.70
727	ok	0.77
728	ok	0.0
729	ok	0.84
730	ok	0.0
731	ok	0.0
732	ok	0.0
733	ok	0.0
734	ok	0.0
735	ok	2.31
736	ok	1.22
737	ok	0.79
738	ok	1.09
739	ok	0.0
740	ok	0.0
741	ok	1.21
742	ok	0.79
743	ok	1.37
744	ok	0.0
745	ok	0.0
746	ok	1.42
747	ok	1.08
748	ok	0.0
749	ok	1.01
750	ok	0.0
751	ok	0.86
752	ok	0.77
753	ok	0.76
754	ok	0.85
755	ok	0.0
756	ok	0.99

Nodo		Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		3.00						

Nodo	Stato	V 6.50	V 6.53	Beta	f. a fon	f. Uout	Aw tot	Asw,min	n. x serie	n.ser 0(R)	n.ser 90	Rif. cmb
							cm2	cm2				
1	ok	0.17	0.11	3.58	2.00	0.0	0.0	0.0	0	0	0	36
3	ok	0.17	0.11	3.05	2.00	0.0	0.0	0.0	0	0	0	36
5	ok	0.20	0.12	3.70	2.00	0.0	0.0	0.0	0	0	0	22
7	ok	0.20	0.12	3.71	2.00	0.0	0.0	0.0	0	0	0	21
9	ok	0.17	0.11	3.06	2.00	0.0	0.0	0.0	0	0	0	31
11	ok	0.17	0.11	3.59	2.00	0.0	0.0	0.0	0	0	0	31
13	ok	0.21	0.12	42.35	2.00	0.0	0.0	0.0	0	0	0	35
15	ok	0.21	0.12	42.05	2.00	0.0	0.0	0.0	0	0	0	32
415	ok	0.20	0.11	28.80	2.00	0.0	0.0	0.0	0	0	0	22
417	ok	0.20	0.11	28.84	2.00	0.0	0.0	0.0	0	0	0	25
419	ok	0.16	0.10	3.65	2.00	0.0	0.0	0.0	0	0	0	26
420	ok	0.15	0.10	3.98	2.00	0.0	0.0	0.0	0	0	0	21
426	ok	0.15	0.10	3.99	2.00	0.0	0.0	0.0	0	0	0	26
427	ok	0.16	0.10	3.65	2.00	0.0	0.0	0.0	0	0	0	21

STATI LIMITE D' ESERCIZIO

LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

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

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

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare	[*normalizzato a 1*]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare	[*normalizzato a 1*]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck 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*]
dR	massima deformazione in combinazioni rare	
dF	massima deformazione in combinazioni frequenti	
dP	massima deformazione in combinazioni quasi permanenti	

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

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

pilastri	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
travi	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
	wR	**wF**	**wP**	per sezioni significative
	dR	**dF**	**dP**	massimi in campata
setti e gusci	**rRfck**	**rRfyk**	**rPfck**	massimi nei nodi dell'elemento
	wR	**wF**	**wP**	massimi nei nodi dell'elemento

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

Pilas.	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	Pos.	rRfck	rRfyk	rPfck	Rif. cmb
	cm					cm				
1	0.0	0.13	0.06	0.14	70,70,73	175.0	0.20	0.09	0.23	70,70,73
	350.0	0.51	0.39	0.57	70,70,73					
2	0.0	0.08	0.05	0.09	70,70,73	175.0	0.19	0.09	0.22	70,70,73
	350.0	0.43	0.34	0.49	70,70,73					
3	0.0	0.08	0.04	0.09	70,70,73	175.0	0.19	0.09	0.22	70,70,73
	350.0	0.43	0.34	0.49	70,70,73					
4	0.0	0.13	0.06	0.14	70,70,73	175.0	0.20	0.09	0.23	70,70,73
	350.0	0.51	0.39	0.57	70,70,73					
5	0.0	0.12	0.06	0.13	70,70,73	175.0	0.18	0.08	0.20	70,70,73
	350.0	0.46	0.34	0.51	70,70,73					
14	0.0	0.09	0.04	0.12	69,70,73	175.0	0.12	0.06	0.14	70,70,73
	350.0	0.20	0.13	0.22	70,70,73					
15	0.0	0.09	0.04	0.12	69,70,73	175.0	0.12	0.06	0.14	70,70,73
	350.0	0.20	0.13	0.22	70,70,73					
16	0.0	0.12	0.06	0.13	70,70,73	175.0	0.18	0.08	0.20	70,70,73
	350.0	0.46	0.34	0.51	70,70,73					
101	0.0	0.09	0.04	0.12	69,70,73	175.0	0.11	0.06	0.13	70,70,73
	350.0	0.19	0.13	0.21	70,70,73					
102	0.0	0.09	0.04	0.12	69,70,73	175.0	0.11	0.06	0.13	70,70,73
	350.0	0.19	0.13	0.21	70,70,73					
104	0.0	0.09	0.05	0.09	70,70,73	175.0	0.17	0.08	0.19	70,70,73
	350.0	0.41	0.32	0.45	70,70,73					
105	0.0	0.11	0.05	0.11	70,70,73	175.0	0.16	0.07	0.18	70,70,73
	350.0	0.42	0.30	0.46	70,70,73					
106	0.0	0.09	0.04	0.09	70,70,73	175.0	0.17	0.08	0.19	70,70,73
	350.0	0.41	0.32	0.45	70,70,73					
115	0.0	0.11	0.05	0.11	70,70,73	175.0	0.16	0.07	0.18	70,70,73
	350.0	0.42	0.30	0.46	70,70,73					

Pilas.		rRfck	rRfyk	rPfck			rRfck	rRfyk	rPfck	
		0.51	0.39	0.57						

Trave	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb	dR	dF	dP	Rif. cmb
	cm					mm	mm	mm		cm	cm	cm	
6	0.0	0.05	0.11	0.06	70,70,73	0.0	0.0	0.0	0,0,0	-9.55e-03	-9.10e-03	-8.98e-03	70,72,73
	186.5	0.01	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	373.0	0.02	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
7	0.0	0.01	0.03	0.02	69,69,73	0.0	0.0	0.0	0,0,0	0.07	0.07	0.07	69,71,73
	185.8	0.02	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	371.5	0.07	0.14	0.09	70,70,73	0.0	0.0	0.0	0,0,0				
8	0.0	0.09	0.12	0.10	70,70,73	0.0	0.0	0.0	0,0,0	-0.29	-0.25	-0.22	70,72,73
	522.8	0.09	0.12	0.10	70,70,73	0.0	0.0	0.0	0,0,0				
9	0.0	0.01	0.03	0.02	69,69,73	0.0	0.0	0.0	0,0,0	0.07	0.07	0.07	69,71,73
	185.8	0.02	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	371.5	0.07	0.14	0.09	70,70,73	0.0	0.0	0.0	0,0,0				
10	0.0	0.05	0.11	0.06	70,70,73	0.0	0.0	0.0	0,0,0	-9.53e-03	-9.08e-03	-8.96e-03	70,72,73
	373.1	0.02	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
11	0.0	0.03	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	70,72,73
	163.8	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	327.7	0.03	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
12	0.0	0.41	0.48	0.46	70,70,73	0.10	0.09	0.09	70,72,73	-1.30	-1.18	-1.13	70,72,73
	261.4	0.35	0.51	0.39	70,70,73	0.12	0.11	0.11	70,72,73				
	522.8	0.41	0.48	0.46	70,70,73	0.10	0.09	0.09	70,72,73				
13	0.0	0.03	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	70,72,73
	163.9	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	327.8	0.03	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
17	0.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	70,72,73
	20.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.01	0.02	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
18	0.0	0.02	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	0.03	0.03	0.03	70,72,73
	20.0	0.0	7.46e-03	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
	40.0	0.02	0.05	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
19	0.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	70,72,73
	20.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.01	0.02	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
20	0.0	1.84e-03	0.01	0.0	70,70,0	0.0	0.0	0.0	0,0,0	0.04	0.04	0.04	70,72,73
	20.0	0.02	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.05	0.10	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
21	0.0	0.07	0.14	0.08	70,70,73	0.0	0.0	0.0	0,0,0	-4.38e-03	-4.18e-03	-4.12e-03	70,72,73
	20.0	0.04	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	2.59e-03	3.81e-03	1.29e-03	70,70,73	0.0	0.0	0.0	0,0,0				

22	0.0	0.01	0.03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	0.03	0.03	0.03	70,72,73
	20.0	0.03	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.04	0.08	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
23	0.0	0.08	0.16	0.09	70,70,73	0.0	0.0	0.0	0,0,0	-1.76e-03	-1.49e-03	-1.42e-03	70,72,73
	20.1	0.05	0.09	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
	40.2	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
24	0.0	0.05	0.11	0.06	70,70,73	0.0	0.0	0.0	0,0,0	0.04	0.03	0.03	70,72,73
	20.0	0.04	0.09	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.03	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
25	0.0	4.20e-03	4.36e-03	4.43e-03	70,70,73	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	70,72,73
	20.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.03	0.05	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
26	0.0	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0	-4.37e-03	-4.17e-03	-4.11e-03	70,72,73
	20.0	0.04	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	2.05e-03	2.95e-03	7.04e-04	70,70,73	0.0	0.0	0.0	0,0,0				
27	0.0	0.03	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0	0.04	0.03	0.03	70,72,73
	20.0	0.04	0.09	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.05	0.11	0.06	70,70,73	0.0	0.0	0.0	0,0,0				
28	0.0	0.08	0.16	0.09	70,70,73	0.0	0.0	0.0	0,0,0	1.74e-03	1.47e-03	1.40e-03	70,72,73
	20.0	0.05	0.09	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
29	0.0	0.03	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0	0.03	0.02	0.02	70,72,73
	20.0	0.04	0.09	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.05	0.11	0.06	70,70,73	0.0	0.0	0.0	0,0,0				
30	0.0	1.50e-03	3.19e-03	1.22e-03	70,70,73	0.0	0.0	0.0	0,0,0	-1.09e-03	-7.98e-04	-7.25e-04	70,72,73
	23.8	0.03	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	47.7	0.06	0.11	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
31	0.0	0.05	0.10	0.05	70,70,73	0.0	0.0	0.0	0,0,0	-0.04	-0.04	-0.04	70,72,73
	21.4	0.03	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	42.8	2.15e-03	0.02	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
32	0.0	0.03	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0	3.48e-04	3.48e-04	3.48e-04	69,71,73
	5.8	0.05	0.10	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
	11.5	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
33	0.0	0.05	0.10	0.06	70,70,73	0.0	0.0	0.0	0,0,0	-9.38e-04	-8.74e-04	-8.58e-04	70,72,73
	6.6	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0				
	13.1	0.08	0.16	0.10	70,70,73	0.0	0.0	0.0	0,0,0				
34	0.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	2.25e-03	1.89e-03	1.80e-03	70,72,73
	20.0	2.47e-03	4.06e-03	2.31e-03	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	9.80e-03	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
35	0.0	0.03	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-3.43e-04	-3.43e-04	-3.43e-04	69,71,73
	5.8	0.05	0.10	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
	11.5	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
36	0.0	0.05	0.10	0.06	70,70,73	0.0	0.0	0.0	0,0,0	-9.12e-04	-8.50e-04	-8.35e-04	70,72,73
	6.5	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0				
	13.0	0.08	0.16	0.10	70,70,73	0.0	0.0	0.0	0,0,0				
37	0.0	0.06	0.13	0.07	70,70,73	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	70,72,73
	20.0	0.05	0.11	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.05	0.10	0.06	70,70,73	0.0	0.0	0.0	0,0,0				
38	0.0	1.72e-03	3.59e-03	1.48e-03	70,70,73	0.0	0.0	0.0	0,0,0	1.09e-03	7.99e-04	7.26e-04	70,72,73
	23.8	0.03	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	47.7	0.06	0.11	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
39	0.0	0.05	0.09	0.06	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73
	20.0	0.05	0.11	0.06	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
40	0.0	0.01	0.03	0.02	69,69,73	0.0	0.0	0.0	0,0,0	1.32e-03	6.33e-04	4.62e-04	70,72,73
	20.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.05	0.09	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
41	0.0	5.60e-04	1.81e-03	5.90e-04	70,70,73	0.0	0.0	0.0	0,0,0	6.30e-03	5.77e-03	5.63e-03	70,72,73
	20.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
42	0.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0	1.20e-03	9.88e-04	9.35e-04	70,72,73
	20.0	0.01	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	8.83e-03	0.02	9.89e-03	70,70,73	0.0	0.0	0.0	0,0,0				
43	0.0	0.01	0.03	0.02	69,69,73	0.0	0.0	0.0	0,0,0	-1.32e-03	-6.37e-04	-4.65e-04	70,72,73
	20.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.05	0.09	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
44	0.0	1.24e-04	7.48e-04	5.94e-05	70,70,73	0.0	0.0	0.0	0,0,0	6.27e-03	5.74e-03	5.60e-03	70,72,73
	20.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
45	0.0	0.05	0.09	0.05	70,70,73	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	70,72,73
	20.0	0.05	0.11	0.06	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
46	0.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-7.01e-04	-6.77e-04	-6.72e-04	70,72,73
	20.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
47	0.0	0.06	0.11	0.07	70,70,73	0.0	0.0	0.0	0,0,0	0.02	0.01	0.01	70,72,73
	20.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0				

	40.0	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
48	0.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-1.21e-03	-3.34e-04	2.02e-04	70,72,73	
	20.0	0.01	0.03	0.02	69,69,73	0.0	0.0	0.0	0,0,0					
	40.0	2.77e-03	4.66e-03	1.54e-04	70,70,73	0.0	0.0	0.0	0,0,0					
49	0.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-7.69e-03	-7.03e-03	-6.86e-03	70,72,73	
	20.0	1.47e-03	1.77e-03	1.53e-03	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
50	0.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-7.03e-04	-6.79e-04	-6.73e-04	70,72,73	
	20.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
51	0.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-1.20e-03	-3.23e-04	2.02e-04	70,72,73	
	20.0	0.01	0.03	0.02	69,69,73	0.0	0.0	0.0	0,0,0					
	40.0	2.84e-03	4.92e-03	1.42e-04	70,70,73	0.0	0.0	0.0	0,0,0					
52	0.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0	7.69e-03	-7.02e-03	-6.86e-03	70,72,73	
	20.0	1.39e-03	1.50e-03	1.42e-03	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
53	0.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0	2.74e-03	2.47e-03	2.40e-03	70,72,73	
	20.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
54	0.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73	
	20.0	0.06	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.07	0.14	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
55	0.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	2.25e-03	1.89e-03	1.80e-03	70,72,73	
	20.0	2.46e-03	4.03e-03	2.32e-03	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	9.87e-03	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0					
56	0.0	0.06	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0	7.92e-03	7.21e-03	7.04e-03	70,72,73	
	20.0	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.07	0.14	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
57	0.0	0.04	0.07	0.05	70,70,73	0.0	0.0	0.0	0,0,0	-2.28e-03	-2.28e-03	-2.28e-03	69,71,73	
	20.0	0.03	0.05	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
58	0.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-6.51e-03	-5.97e-03	-5.83e-03	70,72,73	
	20.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	7.42e-03	0.01	8.61e-03	70,70,73	0.0	0.0	0.0	0,0,0					
59	0.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.75e-03	-2.47e-03	-2.40e-03	70,72,73	
	20.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
60	0.0	0.04	0.07	0.05	70,70,73	0.0	0.0	0.0	0,0,0	-2.29e-03	-2.29e-03	-2.29e-03	69,71,73	
	20.0	0.03	0.05	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
61	0.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-6.52e-03	-5.97e-03	-5.84e-03	70,72,73	
	20.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	7.49e-03	0.01	8.68e-03	70,70,73	0.0	0.0	0.0	0,0,0					
62	0.0	1.07e-03	8.79e-04	1.42e-03	69,69,73	0.0	0.0	0.0	0,0,0	4.28e-03	3.81e-03	3.69e-03	70,72,73	
	20.0	9.10e-03	0.02	9.98e-03	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
63	0.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-1.20e-03	-9.86e-04	-9.33e-04	70,72,73	
	20.0	0.01	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	8.77e-03	0.01	9.81e-03	70,70,73	0.0	0.0	0.0	0,0,0					
64	0.0	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	70,72,73	
	20.0	0.07	0.14	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.07	0.15	0.09	70,70,73	0.0	0.0	0.0	0,0,0					
65	0.0	0.07	0.14	0.08	70,70,73	0.0	0.0	0.0	0,0,0	9.60e-04	8.74e-04	8.53e-04	70,72,73	
	20.0	0.07	0.14	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.07	0.14	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
66	0.0	0.04	0.08	0.05	70,70,73	0.0	0.0	0.0	0,0,0	-5.69e-03	-5.69e-03	-5.69e-03	69,71,73	
	20.0	0.04	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
67	0.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-4.03e-03	-3.74e-03	-3.66e-03	70,72,73	
	20.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
68	0.0	1.03e-03	8.59e-04	1.38e-03	69,69,73	0.0	0.0	0.0	0,0,0	-4.29e-03	-3.81e-03	-3.70e-03	70,72,73	
	20.0	9.10e-03	0.02	9.97e-03	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
69	0.0	0.04	0.08	0.05	70,70,73	0.0	0.0	0.0	0,0,0	-5.70e-03	-5.70e-03	-5.70e-03	69,71,73	
	20.0	0.04	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
70	0.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0	4.04e-03	3.74e-03	3.67e-03	70,72,73	
	20.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
71	0.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	4.48e-03	3.96e-03	3.83e-03	70,72,73	
	20.0	8.37e-03	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0					
72	0.0	0.07	0.14	0.09	70,70,73	0.0	0.0	0.0	0,0,0	-8.78e-03	-8.08e-03	-7.90e-03	70,72,73	
	20.0	0.07	0.15	0.09	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.08	0.15	0.09	70,70,73	0.0	0.0	0.0	0,0,0					
73	0.0	0.07	0.14	0.08	70,70,73	0.0	0.0	0.0	0,0,0	-7.38e-03	-6.72e-03	-6.56e-03	70,72,73	

	20.0	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
74	0.0	0.04	0.08	0.05	70,70,73	0.0	0.0	0.0	0,0,0	9.55e-03	9.55e-03	9.55e-03	69,71,73	
	20.0	0.04	0.07	0.05	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.04	0.07	0.05	70,70,73	0.0	0.0	0.0	0,0,0					
75	0.0	0.03	0.05	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-9.60e-04	-9.55e-04	-9.53e-04	70,72,73	
	20.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
76	0.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	4.48e-03	3.95e-03	3.82e-03	70,72,73	
	20.0	8.58e-03	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0					
77	0.0	0.04	0.08	0.05	70,70,73	0.0	0.0	0.0	0,0,0	-9.55e-03	-9.55e-03	-9.55e-03	69,71,73	
	20.0	0.04	0.07	0.05	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.04	0.07	0.05	70,70,73	0.0	0.0	0.0	0,0,0					
78	0.0	0.03	0.05	0.04	70,70,73	0.0	0.0	0.0	0,0,0	9.66e-04	9.60e-04	9.58e-04	70,72,73	
	20.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
79	0.0	0.08	0.15	0.09	70,70,73	0.0	0.0	0.0	0,0,0	1.07e-03	9.80e-04	9.59e-04	70,72,73	
	20.0	0.08	0.15	0.09	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.08	0.15	0.09	70,70,73	0.0	0.0	0.0	0,0,0					
80	0.0	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	70,72,73	
	20.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0					
81	0.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	70,72,73	
	20.0	0.04	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.04	0.07	0.05	70,70,73	0.0	0.0	0.0	0,0,0					
82	0.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-2.16e-03	-1.89e-03	-1.82e-03	70,72,73	
	20.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
83	0.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	70,72,73	
	20.0	0.04	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.04	0.07	0.05	70,70,73	0.0	0.0	0.0	0,0,0					
84	0.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-2.15e-03	-1.88e-03	-1.81e-03	70,72,73	
	20.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
85	0.0	0.08	0.15	0.09	70,70,73	0.0	0.0	0.0	0,0,0	8.18e-03	7.52e-03	7.36e-03	70,72,73	
	20.0	0.07	0.15	0.09	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.07	0.14	0.09	70,70,73	0.0	0.0	0.0	0,0,0					
86	0.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73	
	20.0	0.05	0.11	0.06	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.05	0.10	0.06	70,70,73	0.0	0.0	0.0	0,0,0					
87	0.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73	
	20.0	0.03	0.05	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.04	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
88	0.0	0.01	0.02	0.01	69,69,73	0.0	0.0	0.0	0,0,0	-4.75e-03	-4.28e-03	-4.16e-03	70,72,73	
	20.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
89	0.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	70,72,73	
	20.0	0.03	0.05	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.04	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
90	0.0	0.01	0.02	0.01	69,69,73	0.0	0.0	0.0	0,0,0	4.74e-03	4.27e-03	4.15e-03	70,72,73	
	20.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
91	0.0	0.07	0.15	0.09	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.01	70,72,73	
	20.0	0.07	0.14	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
92	0.0	0.05	0.11	0.06	70,70,73	0.0	0.0	0.0	0,0,0	0.03	0.02	0.02	70,72,73	
	20.0	0.04	0.09	0.05	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.03	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
93	0.0	3.95e-03	3.97e-03	4.18e-03	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73	
	20.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
94	0.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-6.04e-03	-5.53e-03	-5.40e-03	70,72,73	
	20.0	2.80e-03	3.86e-03	3.74e-03	69,69,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
95	0.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-6.01e-03	-5.50e-03	-5.37e-03	70,72,73	
	20.0	2.62e-03	3.51e-03	3.50e-03	69,69,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
96	0.0	0.07	0.14	0.08	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73	
	20.0	0.06	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0					
97	0.0	0.04	0.09	0.05	70,70,73	0.0	0.0	0.0	0,0,0	0.03	0.03	0.03	70,72,73	
	20.0	0.03	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.01	0.03	0.01	70,70,73	0.0	0.0	0.0	0,0,0					
98	0.0	0.02	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	0.04	0.03	0.03	70,72,73	
	21.4	0.0	9.35e-03	0.0	0,70,0	0.0	0.0	0.0	0,0,0					
	42.8	0.02	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					

99	0.0	0.36	0.47	0.38	70,70,73	0.10	0.09	0.09	70,72,73	-1.30	-1.15	-1.07	70,72,73
	261.4	0.34	0.50	0.36	70,70,73	0.11	0.10	0.10	70,72,73				
	522.8	0.36	0.47	0.38	70,70,73	0.10	0.09	0.09	70,72,73				
100	0.0	0.40	0.47	0.45	70,70,73	0.10	0.09	0.09	70,72,73	-1.56	-1.41	-1.36	70,72,73
	261.4	0.39	0.58	0.44	70,70,73	0.14	0.13	0.12	70,72,73				
	522.8	0.40	0.47	0.45	70,70,73	0.10	0.09	0.09	70,72,73				
103	0.0	0.09	0.13	0.09	70,70,73	0.0	0.0	0.0	0,0,0	-0.26	-0.22	-0.21	70,72,73
	522.8	0.09	0.13	0.09	70,70,73	0.0	0.0	0.0	0,0,0				
107	0.0	0.32	0.41	0.34	70,70,73	0.09	0.08	0.07	70,72,73	-1.17	-1.03	-0.97	70,72,73
	261.4	0.31	0.45	0.33	70,70,73	0.10	0.09	0.09	70,72,73				
	522.8	0.32	0.41	0.34	70,70,73	0.09	0.08	0.07	70,72,73				
108	0.0	0.02	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	69,71,73
	164.0	0.01	0.03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
	327.9	0.03	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
109	0.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	69,71,73
	163.8	6.96e-03	0.02	7.92e-03	70,70,73	0.0	0.0	0.0	0,0,0				
	327.7	0.03	0.08	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
110	0.0	0.06	0.12	0.08	70,70,73	0.0	0.0	0.0	0,0,0	-0.07	-0.07	-0.07	69,71,73
	165.5	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	331.0	0.02	0.03	0.02	69,69,73	0.0	0.0	0.0	0,0,0				
111	0.0	0.02	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	69,71,73
	163.9	0.01	0.03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
	327.8	0.03	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
112	0.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	69,71,73
	163.9	7.00e-03	0.02	7.97e-03	70,70,73	0.0	0.0	0.0	0,0,0				
	327.8	0.03	0.08	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
113	0.0	0.06	0.12	0.08	70,70,73	0.0	0.0	0.0	0,0,0	-0.07	-0.07	-0.07	69,71,73
	165.5	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	331.0	0.02	0.03	0.02	69,69,73	0.0	0.0	0.0	0,0,0				
114	0.0	0.32	0.42	0.35	70,70,73	0.09	0.08	0.08	70,72,73	-1.14	-1.00	-0.95	70,72,73
	261.4	0.30	0.45	0.33	70,70,73	0.10	0.09	0.09	70,72,73				
	522.8	0.32	0.42	0.35	70,70,73	0.09	0.08	0.08	70,72,73				
116	0.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0	-4.14e-03	-3.86e-03	-3.79e-03	70,72,73
	20.0	0.03	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	4.57e-03	9.09e-03	5.94e-03	70,70,73	0.0	0.0	0.0	0,0,0				
117	0.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0	2.57e-03	2.29e-03	2.22e-03	70,72,73
	20.0	0.03	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	1.81e-03	3.04e-03	2.41e-03	69,69,73	0.0	0.0	0.0	0,0,0				
118	0.0	0.05	0.10	0.06	70,70,73	0.0	0.0	0.0	0,0,0	2.64e-03	2.64e-03	2.64e-03	69,71,73
	20.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.01	0.02	0.01	69,69,73	0.0	0.0	0.0	0,0,0				
119	0.0	0.02	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	0.03	0.03	0.03	70,72,73
	20.0	0.0	7.09e-03	0.0	0,69,0	0.0	0.0	0.0	0,0,0				
	40.0	0.02	0.05	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
120	0.0	0.05	0.10	0.06	70,70,73	0.0	0.0	0.0	0,0,0	-2.64e-03	-2.64e-03	-2.64e-03	69,71,73
	20.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.01	0.02	0.01	69,69,73	0.0	0.0	0.0	0,0,0				
121	0.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0	-2.56e-03	-2.28e-03	-2.21e-03	70,72,73
	20.0	0.03	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	1.85e-03	3.13e-03	2.47e-03	69,69,73	0.0	0.0	0.0	0,0,0				
122	0.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0	4.14e-03	3.87e-03	3.80e-03	70,72,73
	20.0	0.03	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	4.35e-03	8.62e-03	5.66e-03	70,70,73	0.0	0.0	0.0	0,0,0				
123	0.0	6.36e-03	0.01	8.30e-03	70,70,73	0.0	0.0	0.0	0,0,0	2.60e-03	2.17e-03	2.06e-03	70,72,73
	23.9	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	47.8	0.06	0.11	0.06	70,70,73	0.0	0.0	0.0	0,0,0				
124	0.0	7.91e-03	0.01	0.01	69,70,73	0.0	0.0	0.0	0,0,0	7.62e-03	7.48e-03	7.45e-03	70,72,73
	23.9	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	47.8	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
125	0.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73
	25.5	6.11e-03	8.07e-03	8.14e-03	69,69,73	0.0	0.0	0.0	0,0,0				
	51.0	0.03	0.05	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
126	0.0	0.01	0.03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	0.03	0.03	0.03	70,72,73
	20.0	0.02	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.04	0.08	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
127	0.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	70,72,73
	25.5	6.05e-03	7.94e-03	8.07e-03	69,69,73	0.0	0.0	0.0	0,0,0				
	51.0	0.03	0.05	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
128	0.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	5.49e-03	5.28e-03	5.23e-03	70,72,73
	20.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.01	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
129	0.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-1.65e-03	-1.22e-03	-1.12e-03	70,72,73
	20.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
130	0.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0	3.10e-03	2.56e-03	2.42e-03	70,72,73
	20.0	6.20e-03	0.01	7.91e-03	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	6.39e-03	0.01	6.03e-03	70,70,73	0.0	0.0	0.0	0,0,0				

131	0.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-7.25e-03	-6.94e-03	-6.87e-03	70,72,73
	20.0	8.51e-03	0.01	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	4.99e-03	7.85e-03	4.14e-03	70,70,73	0.0	0.0	0.0	0,0,0				
132	0.0	0.03	0.05	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73
	20.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
133	0.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	70,72,73
	20.0	0.03	0.05	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
134	0.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	2.83e-03	2.82e-03	2.82e-03	70,72,73
	20.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
135	0.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-8.71e-04	-8.71e-04	-8.71e-04	69,71,73
	20.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
136	0.0	0.05	0.11	0.06	70,70,73	0.0	0.0	0.0	0,0,0	0.03	0.02	0.02	70,72,73
	20.0	0.04	0.09	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.03	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
137	0.0	8.00e-03	0.01	0.01	69,70,73	0.0	0.0	0.0	0,0,0	-7.62e-03	-7.48e-03	-7.44e-03	70,72,73
	23.9	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	47.8	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
138	0.0	6.50e-03	0.01	8.46e-03	70,70,73	0.0	0.0	0.0	0,0,0	-2.60e-03	-2.17e-03	-2.06e-03	70,72,73
	23.9	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	47.8	0.06	0.11	0.06	70,70,73	0.0	0.0	0.0	0,0,0				
139	0.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0	1.66e-03	1.23e-03	1.12e-03	70,72,73
	20.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
140	0.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-5.49e-03	-5.28e-03	-5.23e-03	70,72,73
	20.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
141	0.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	70,72,73
	20.0	0.03	0.05	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
142	0.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	69,71,73
	20.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
143	0.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0	3.04e-04	3.04e-04	3.04e-04	69,71,73
	20.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
144	0.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-3.07e-03	-3.00e-03	-2.98e-03	70,72,73
	20.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
145	0.0	0.03	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-0.03	-0.02	-0.02	70,72,73
	20.0	0.04	0.08	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.05	0.11	0.06	70,70,73	0.0	0.0	0.0	0,0,0				
146	0.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0	7.24e-03	6.93e-03	6.86e-03	70,72,73
	20.0	8.48e-03	0.01	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	5.08e-03	8.01e-03	4.23e-03	70,70,73	0.0	0.0	0.0	0,0,0				
147	0.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-3.09e-03	-2.55e-03	-2.41e-03	70,72,73
	20.0	6.20e-03	0.01	7.91e-03	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	6.45e-03	0.01	6.10e-03	70,70,73	0.0	0.0	0.0	0,0,0				
148	0.0	0.03	0.05	0.04	70,70,73	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	70,72,73
	20.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
149	0.0	0.04	0.08	0.05	70,70,73	0.0	0.0	0.0	0,0,0	0.03	0.03	0.03	70,72,73
	20.0	0.03	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.01	0.03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
150	0.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0	8.66e-04	8.66e-04	8.66e-04	69,71,73
	20.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
151	0.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-2.83e-03	-2.83e-03	-2.83e-03	70,72,73
	20.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
152	0.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	69,71,73
	20.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
153	0.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	7.76e-03	7.76e-03	7.76e-03	69,71,73
	20.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.04	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
154	0.0	9.93e-03	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.48e-03	-2.06e-03	-1.95e-03	70,72,73
	20.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
155	0.0	5.57e-03	8.73e-03	6.01e-03	70,70,73	0.0	0.0	0.0	0,0,0	-5.08e-03	-4.77e-03	-4.70e-03	70,72,73
	20.0	0.01	0.02	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	40.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
156	0.0	0.05	0.09	0.05	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73
	20.0	0.05	0.11	0.06	70,70,73	0.0	0.0	0.0	0,0,0				

	40.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0					
157	0.0	0.02	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	70,72,73	
	21.4	0.0	7.31e-03	0.0	0,70,0	0.0	0.0	0.0	0,0,0					
	42.8	0.02	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
158	0.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-3.06e-03	-3.00e-03	-2.98e-03	70,72,73	
	20.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
159	0.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0	3.05e-04	3.05e-04	3.05e-04	69,71,73	
	20.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
160	0.0	0.03	0.05	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-7.76e-03	-7.76e-03	-7.76e-03	69,71,73	
	20.0	0.03	0.06	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.04	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
161	0.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-4.72e-03	-4.72e-03	-4.72e-03	69,71,73	
	20.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.04	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
162	0.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0	3.80e-03	3.30e-03	3.18e-03	70,72,73	
	20.0	3.57e-03	5.77e-03	4.76e-03	69,69,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
163	0.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	5.90e-03	5.48e-03	5.37e-03	70,72,73	
	20.0	1.97e-03	2.96e-03	2.63e-03	69,69,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
164	0.0	0.06	0.11	0.07	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.01	-0.01	70,72,73	
	20.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
165	0.0	5.62e-03	8.84e-03	6.08e-03	70,70,73	0.0	0.0	0.0	0,0,0	5.08e-03	-4.77e-03	-4.70e-03	70,72,73	
	20.0	0.01	0.02	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
166	0.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.49e-03	-2.06e-03	-1.96e-03	70,72,73	
	20.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
167	0.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-4.72e-03	-4.72e-03	-4.72e-03	69,71,73	
	20.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.04	0.07	0.04	70,70,73	0.0	0.0	0.0	0,0,0					
168	0.0	5.45e-03	0.01	3.11e-03	70,70,73	0.0	0.0	0.0	0,0,0	2.64e-03	2.64e-03	2.64e-03	69,71,73	
	20.0	0.01	0.02	0.02	69,69,73	0.0	0.0	0.0	0,0,0					
	40.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
169	0.0	0.06	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0	7.85e-03	7.16e-03	6.99e-03	70,72,73	
	20.0	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.07	0.14	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
170	0.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-5.90e-03	-5.47e-03	-5.37e-03	70,72,73	
	20.0	1.99e-03	3.02e-03	2.65e-03	69,69,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
171	0.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-3.81e-03	-3.31e-03	-3.19e-03	70,72,73	
	20.0	3.62e-03	5.86e-03	4.82e-03	69,69,73	0.0	0.0	0.0	0,0,0					
	40.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0					
172	0.0	5.35e-03	0.01	2.99e-03	70,70,73	0.0	0.0	0.0	0,0,0	2.63e-03	2.63e-03	2.63e-03	69,71,73	
	20.0	0.01	0.02	0.02	69,69,73	0.0	0.0	0.0	0,0,0					
	40.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0					
173	0.0	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0	9.51e-04	8.68e-04	8.47e-04	70,72,73	
	20.0	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
174	0.0	0.07	0.14	0.08	70,70,73	0.0	0.0	0.0	0,0,0	-7.31e-03	-6.67e-03	-6.51e-03	70,72,73	
	20.0	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.06	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0					
175	0.0	0.07	0.13	0.08	70,70,73	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	70,72,73	
	20.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.06	0.11	0.07	70,70,73	0.0	0.0	0.0	0,0,0					
176	0.0	0.06	0.12	0.07	70,70,73	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	70,72,73	
	20.0	0.05	0.11	0.06	70,70,73	0.0	0.0	0.0	0,0,0					
	40.0	0.05	0.10	0.06	70,70,73	0.0	0.0	0.0	0,0,0					

Trave	**rRfck**	**rRfyk**	**rPfck**	**wR**	**wF**	**wP**	**dR**	**dF**	**dP**
							-1.56	-1.41	-1.36
	0.41	0.58	0.46	0.14	0.13	0.12	0.07	0.07	0.07

Guscio	**rRfck**	**rRfyk**	**rPfck**	**Rif. cmb**	**wR**	**wF**	**wP**	**Rif. cmb**
					mm	mm	mm	
1	0.10	0.24	0.11	70,70,73	0.0	0.0	0.0	0,0,0
2	0.08	0.24	0.09	70,70,73	0.0	0.0	0.0	0,0,0
3	0.10	0.30	0.11	70,70,73	0.0	0.0	0.0	0,0,0
4	0.12	0.34	0.14	70,70,73	0.0	0.0	0.0	0,0,0
5	0.12	0.34	0.14	70,70,73	0.0	0.0	0.0	0,0,0
6	0.12	0.33	0.14	70,70,73	0.0	0.0	0.0	0,0,0
7	0.11	0.30	0.13	70,70,73	0.0	0.0	0.0	0,0,0
8	0.09	0.24	0.11	70,70,73	0.0	0.0	0.0	0,0,0

9	0.09	0.23	0.10	70,70,73	0.0	0.0	0.0	0,0,0
10	0.08	0.22	0.09	70,70,73	0.0	0.0	0.0	0,0,0
11	0.05	0.10	0.05	70,70,73	0.0	0.0	0.0	0,0,0
12	0.04	0.09	0.05	70,70,73	0.0	0.0	0.0	0,0,0
13	0.11	0.32	0.13	70,70,73	0.0	0.0	0.0	0,0,0
14	0.11	0.32	0.13	70,70,73	0.0	0.0	0.0	0,0,0
15	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
16	0.10	0.30	0.12	70,70,73	0.0	0.0	0.0	0,0,0
17	0.10	0.28	0.12	70,70,73	0.0	0.0	0.0	0,0,0
18	0.09	0.26	0.11	70,70,73	0.0	0.0	0.0	0,0,0
19	0.08	0.23	0.10	70,70,73	0.0	0.0	0.0	0,0,0
20	0.08	0.23	0.10	70,70,73	0.0	0.0	0.0	0,0,0
21	0.08	0.22	0.10	70,70,73	0.0	0.0	0.0	0,0,0
22	0.09	0.22	0.11	70,70,73	0.0	0.0	0.0	0,0,0
23	0.13	0.39	0.16	70,70,73	0.0	0.0	0.0	0,0,0
24	0.13	0.39	0.16	70,70,73	0.0	0.0	0.0	0,0,0
25	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
26	0.13	0.36	0.15	70,70,73	0.0	0.0	0.0	0,0,0
27	0.12	0.34	0.15	70,70,73	0.0	0.0	0.0	0,0,0
28	0.12	0.32	0.14	70,70,73	0.0	0.0	0.0	0,0,0
29	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
30	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
31	0.11	0.30	0.13	70,70,73	0.0	0.0	0.0	0,0,0
32	0.12	0.29	0.14	70,70,73	0.0	0.0	0.0	0,0,0
33	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
34	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
35	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
36	0.15	0.41	0.18	70,70,73	0.0	0.0	0.0	0,0,0
37	0.14	0.40	0.17	70,70,73	0.0	0.0	0.0	0,0,0
38	0.14	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
39	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0
40	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0
41	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
42	0.14	0.39	0.17	70,70,73	0.0	0.0	0.0	0,0,0
43	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
44	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
45	0.16	0.46	0.19	70,70,73	0.0	0.0	0.0	0,0,0
46	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
47	0.15	0.43	0.19	70,70,73	0.0	0.0	0.0	0,0,0
48	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
49	0.15	0.41	0.18	70,70,73	0.0	0.0	0.0	0,0,0
50	0.15	0.41	0.18	70,70,73	0.0	0.0	0.0	0,0,0
51	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
52	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
53	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
54	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
55	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
56	0.17	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
57	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
58	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
59	0.16	0.43	0.19	70,70,73	0.0	0.0	0.0	0,0,0
60	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
61	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
62	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
63	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
64	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
65	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
66	0.17	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
67	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
68	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
69	0.16	0.43	0.19	70,70,73	0.0	0.0	0.0	0,0,0
70	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
71	0.15	0.44	0.18	70,70,73	0.0	0.0	0.0	0,0,0
72	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
73	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
74	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
75	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
76	0.17	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
77	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
78	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
79	0.16	0.43	0.19	70,70,73	0.0	0.0	0.0	0,0,0
80	0.15	0.43	0.19	70,70,73	0.0	0.0	0.0	0,0,0
81	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
82	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
83	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
84	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
85	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0

86	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
87	0.16	0.43	0.19	70,70,73	0.0	0.0	0.0	0,0,0
88	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
89	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
90	0.15	0.41	0.18	70,70,73	0.0	0.0	0.0	0,0,0
91	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
92	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
93	0.15	0.44	0.18	70,70,73	0.0	0.0	0.0	0,0,0
94	0.15	0.44	0.18	70,70,73	0.0	0.0	0.0	0,0,0
95	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
96	0.15	0.41	0.18	70,70,73	0.0	0.0	0.0	0,0,0
97	0.14	0.40	0.17	70,70,73	0.0	0.0	0.0	0,0,0
98	0.14	0.38	0.17	70,70,73	0.0	0.0	0.0	0,0,0
99	0.14	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
100	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
101	0.14	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
102	0.14	0.40	0.17	70,70,73	0.0	0.0	0.0	0,0,0
103	0.14	0.39	0.16	70,70,73	0.0	0.0	0.0	0,0,0
104	0.14	0.39	0.16	70,70,73	0.0	0.0	0.0	0,0,0
105	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
106	0.13	0.37	0.15	70,70,73	0.0	0.0	0.0	0,0,0
107	0.12	0.35	0.15	70,70,73	0.0	0.0	0.0	0,0,0
108	0.12	0.33	0.14	70,70,73	0.0	0.0	0.0	0,0,0
109	0.11	0.32	0.14	70,70,73	0.0	0.0	0.0	0,0,0
110	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
111	0.11	0.30	0.13	70,70,73	0.0	0.0	0.0	0,0,0
112	0.12	0.30	0.14	70,70,73	0.0	0.0	0.0	0,0,0
113	0.11	0.33	0.13	70,70,73	0.0	0.0	0.0	0,0,0
114	0.11	0.32	0.13	70,70,73	0.0	0.0	0.0	0,0,0
115	0.11	0.32	0.13	70,70,73	0.0	0.0	0.0	0,0,0
116	0.11	0.30	0.13	70,70,73	0.0	0.0	0.0	0,0,0
117	0.10	0.28	0.12	70,70,73	0.0	0.0	0.0	0,0,0
118	0.09	0.26	0.11	70,70,73	0.0	0.0	0.0	0,0,0
119	0.09	0.24	0.10	70,70,73	0.0	0.0	0.0	0,0,0
120	0.09	0.24	0.10	70,70,73	0.0	0.0	0.0	0,0,0
121	0.09	0.23	0.10	70,70,73	0.0	0.0	0.0	0,0,0
122	0.09	0.21	0.10	70,70,73	0.0	0.0	0.0	0,0,0
123	0.09	0.24	0.10	70,70,73	0.0	0.0	0.0	0,0,0
124	0.10	0.32	0.12	70,70,73	0.0	0.0	0.0	0,0,0
125	0.12	0.34	0.14	70,70,73	0.0	0.0	0.0	0,0,0
126	0.12	0.34	0.14	70,70,73	0.0	0.0	0.0	0,0,0
127	0.12	0.33	0.14	70,70,73	0.0	0.0	0.0	0,0,0
128	0.11	0.29	0.13	70,70,73	0.0	0.0	0.0	0,0,0
129	0.09	0.24	0.11	70,70,73	0.0	0.0	0.0	0,0,0
130	0.09	0.23	0.10	70,70,73	0.0	0.0	0.0	0,0,0
131	0.08	0.22	0.09	70,70,73	0.0	0.0	0.0	0,0,0
132	0.06	0.16	0.07	70,70,73	0.0	0.0	0.0	0,0,0
133	0.12	0.28	0.14	70,70,73	0.0	0.0	0.0	0,0,0
134	0.11	0.32	0.13	70,70,73	0.0	0.0	0.0	0,0,0
135	0.10	0.28	0.12	70,70,73	0.0	0.0	0.0	0,0,0
136	0.10	0.29	0.12	70,70,73	0.0	0.0	0.0	0,0,0
137	0.10	0.28	0.11	70,70,73	0.0	0.0	0.0	0,0,0
138	0.10	0.26	0.11	70,70,73	0.0	0.0	0.0	0,0,0
139	0.08	0.22	0.10	70,70,73	0.0	0.0	0.0	0,0,0
140	0.08	0.22	0.09	70,70,73	0.0	0.0	0.0	0,0,0
141	0.08	0.23	0.09	70,70,73	0.0	0.0	0.0	0,0,0
142	0.08	0.24	0.09	70,70,73	0.0	0.0	0.0	0,0,0
143	0.10	0.25	0.10	70,70,73	0.0	0.0	0.0	0,0,0
144	0.08	0.19	0.08	70,70,73	0.0	0.0	0.0	0,0,0
145	0.12	0.34	0.14	70,70,73	0.0	0.0	0.0	0,0,0
146	0.11	0.34	0.14	70,70,73	0.0	0.0	0.0	0,0,0
147	0.11	0.33	0.13	70,70,73	0.0	0.0	0.0	0,0,0
148	0.11	0.30	0.13	70,70,73	0.0	0.0	0.0	0,0,0
149	0.10	0.28	0.12	70,70,73	0.0	0.0	0.0	0,0,0
150	0.09	0.26	0.11	70,70,73	0.0	0.0	0.0	0,0,0
151	0.10	0.27	0.11	70,70,73	0.0	0.0	0.0	0,0,0
152	0.10	0.29	0.12	70,70,73	0.0	0.0	0.0	0,0,0
153	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
154	0.11	0.32	0.13	70,70,73	0.0	0.0	0.0	0,0,0
155	0.14	0.41	0.17	70,70,73	0.0	0.0	0.0	0,0,0
156	0.14	0.41	0.17	70,70,73	0.0	0.0	0.0	0,0,0
157	0.14	0.40	0.17	70,70,73	0.0	0.0	0.0	0,0,0
158	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
159	0.13	0.36	0.16	70,70,73	0.0	0.0	0.0	0,0,0
160	0.13	0.35	0.15	70,70,73	0.0	0.0	0.0	0,0,0
161	0.13	0.36	0.15	70,70,73	0.0	0.0	0.0	0,0,0
162	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0

163	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
164	0.13	0.39	0.16	70,70,73	0.0	0.0	0.0	0,0,0
165	0.16	0.46	0.19	70,70,73	0.0	0.0	0.0	0,0,0
166	0.16	0.46	0.19	70,70,73	0.0	0.0	0.0	0,0,0
167	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
168	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
169	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
170	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
171	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
172	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
173	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
174	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
175	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
176	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
177	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
178	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
179	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
180	0.17	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
181	0.17	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
182	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
183	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
184	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
185	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
186	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
187	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
188	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
189	0.18	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
190	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
191	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
192	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
193	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
194	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
195	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
196	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
197	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
198	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
199	0.18	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
200	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
201	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
202	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
203	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
204	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
205	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
206	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
207	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
208	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
209	0.18	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
210	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
211	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
212	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
213	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
214	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
215	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
216	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
217	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
218	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
219	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
220	0.17	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
221	0.17	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
222	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
223	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
224	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
225	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
226	0.16	0.46	0.19	70,70,73	0.0	0.0	0.0	0,0,0
227	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
228	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
229	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
230	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
231	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
232	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
233	0.15	0.44	0.18	70,70,73	0.0	0.0	0.0	0,0,0
234	0.15	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
235	0.14	0.41	0.17	70,70,73	0.0	0.0	0.0	0,0,0
236	0.14	0.41	0.17	70,70,73	0.0	0.0	0.0	0,0,0
237	0.14	0.40	0.17	70,70,73	0.0	0.0	0.0	0,0,0
238	0.14	0.39	0.16	70,70,73	0.0	0.0	0.0	0,0,0
239	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0

240	0.13	0.36	0.15	70,70,73	0.0	0.0	0.0	0,0,0
241	0.13	0.36	0.15	70,70,73	0.0	0.0	0.0	0,0,0
242	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0
243	0.14	0.39	0.16	70,70,73	0.0	0.0	0.0	0,0,0
244	0.14	0.39	0.16	70,70,73	0.0	0.0	0.0	0,0,0
245	0.12	0.35	0.14	70,70,73	0.0	0.0	0.0	0,0,0
246	0.12	0.34	0.14	70,70,73	0.0	0.0	0.0	0,0,0
247	0.11	0.33	0.14	70,70,73	0.0	0.0	0.0	0,0,0
248	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
249	0.10	0.29	0.12	70,70,73	0.0	0.0	0.0	0,0,0
250	0.10	0.27	0.12	70,70,73	0.0	0.0	0.0	0,0,0
251	0.10	0.28	0.12	70,70,73	0.0	0.0	0.0	0,0,0
252	0.10	0.29	0.12	70,70,73	0.0	0.0	0.0	0,0,0
253	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
254	0.11	0.32	0.13	70,70,73	0.0	0.0	0.0	0,0,0
255	0.11	0.29	0.13	70,70,73	0.0	0.0	0.0	0,0,0
256	0.10	0.30	0.12	70,70,73	0.0	0.0	0.0	0,0,0
257	0.10	0.30	0.12	70,70,73	0.0	0.0	0.0	0,0,0
258	0.10	0.27	0.11	70,70,73	0.0	0.0	0.0	0,0,0
259	0.09	0.25	0.11	70,70,73	0.0	0.0	0.0	0,0,0
260	0.08	0.21	0.10	70,70,73	0.0	0.0	0.0	0,0,0
261	0.08	0.22	0.09	70,70,73	0.0	0.0	0.0	0,0,0
262	0.08	0.23	0.09	70,70,73	0.0	0.0	0.0	0,0,0
263	0.09	0.25	0.10	70,70,73	0.0	0.0	0.0	0,0,0
264	0.08	0.24	0.09	70,70,73	0.0	0.0	0.0	0,0,0
265	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
266	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
267	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0
268	0.08	0.23	0.09	70,70,73	0.0	0.0	0.0	0,0,0
269	0.07	0.23	0.09	70,70,73	0.0	0.0	0.0	0,0,0
270	0.06	0.19	0.07	70,70,73	0.0	0.0	0.0	0,0,0
271	0.06	0.15	0.06	70,70,73	0.0	0.0	0.0	0,0,0
272	0.07	0.20	0.08	70,70,73	0.0	0.0	0.0	0,0,0
273	0.08	0.23	0.09	70,70,73	0.0	0.0	0.0	0,0,0
274	0.09	0.25	0.10	70,70,73	0.0	0.0	0.0	0,0,0
275	0.12	0.31	0.14	70,70,73	0.0	0.0	0.0	0,0,0
276	0.11	0.29	0.13	70,70,73	0.0	0.0	0.0	0,0,0
277	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
278	0.14	0.39	0.17	70,70,73	0.0	0.0	0.0	0,0,0
279	0.11	0.33	0.14	70,70,73	0.0	0.0	0.0	0,0,0
280	0.10	0.29	0.12	70,70,73	0.0	0.0	0.0	0,0,0
281	0.10	0.28	0.12	70,70,73	0.0	0.0	0.0	0,0,0
282	0.10	0.27	0.12	70,70,73	0.0	0.0	0.0	0,0,0
283	0.10	0.28	0.12	70,70,73	0.0	0.0	0.0	0,0,0
284	0.11	0.30	0.13	70,70,73	0.0	0.0	0.0	0,0,0
285	0.11	0.33	0.13	70,70,73	0.0	0.0	0.0	0,0,0
286	0.11	0.34	0.14	70,70,73	0.0	0.0	0.0	0,0,0
287	0.14	0.41	0.17	70,70,73	0.0	0.0	0.0	0,0,0
288	0.14	0.41	0.17	70,70,73	0.0	0.0	0.0	0,0,0
289	0.14	0.40	0.17	70,70,73	0.0	0.0	0.0	0,0,0
290	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
291	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0
292	0.13	0.36	0.16	70,70,73	0.0	0.0	0.0	0,0,0
293	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0
294	0.14	0.39	0.16	70,70,73	0.0	0.0	0.0	0,0,0
295	0.14	0.40	0.17	70,70,73	0.0	0.0	0.0	0,0,0
296	0.14	0.41	0.17	70,70,73	0.0	0.0	0.0	0,0,0
297	0.07	0.20	0.08	70,70,73	0.0	0.0	0.0	0,0,0
298	0.08	0.23	0.09	70,70,73	0.0	0.0	0.0	0,0,0
299	0.16	0.46	0.19	70,70,73	0.0	0.0	0.0	0,0,0
300	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
301	0.15	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
302	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
303	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
304	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
305	0.16	0.46	0.19	70,70,73	0.0	0.0	0.0	0,0,0
306	0.16	0.46	0.19	70,70,73	0.0	0.0	0.0	0,0,0
307	0.12	0.34	0.14	70,70,73	0.0	0.0	0.0	0,0,0
308	0.10	0.30	0.12	70,70,73	0.0	0.0	0.0	0,0,0
309	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
310	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
311	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
312	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
313	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
314	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
315	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
316	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0

317	0.10	0.29	0.12	70,70,73	0.0	0.0	0.0	0,0,0
318	0.10	0.28	0.12	70,70,73	0.0	0.0	0.0	0,0,0
319	0.18	0.51	0.21	70,70,73	0.0	0.0	0.0	0,0,0
320	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
321	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
322	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
323	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
324	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
325	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
326	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
327	0.10	0.29	0.12	70,70,73	0.0	0.0	0.0	0,0,0
328	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
329	0.18	0.51	0.21	70,70,73	0.0	0.0	0.0	0,0,0
330	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
331	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
332	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
333	0.18	0.50	0.22	70,70,73	0.0	0.0	0.0	0,0,0
334	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
335	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
336	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
337	0.11	0.33	0.14	70,70,73	0.0	0.0	0.0	0,0,0
338	0.12	0.34	0.14	70,70,73	0.0	0.0	0.0	0,0,0
339	0.18	0.51	0.21	70,70,73	0.0	0.0	0.0	0,0,0
340	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
341	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
342	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
343	0.18	0.50	0.22	70,70,73	0.0	0.0	0.0	0,0,0
344	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
345	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
346	0.18	0.51	0.22	70,70,73	0.0	0.0	0.0	0,0,0
347	0.09	0.27	0.10	70,70,73	0.0	0.0	0.0	0,0,0
348	0.10	0.28	0.11	70,70,73	0.0	0.0	0.0	0,0,0
349	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
350	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
351	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
352	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
353	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
354	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
355	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
356	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
357	0.08	0.24	0.10	70,70,73	0.0	0.0	0.0	0,0,0
358	0.08	0.23	0.09	70,70,73	0.0	0.0	0.0	0,0,0
359	0.16	0.46	0.19	70,70,73	0.0	0.0	0.0	0,0,0
360	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
361	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
362	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
363	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
364	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
365	0.16	0.46	0.19	70,70,73	0.0	0.0	0.0	0,0,0
366	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
367	0.07	0.19	0.08	70,70,73	0.0	0.0	0.0	0,0,0
368	0.06	0.16	0.07	70,70,73	0.0	0.0	0.0	0,0,0
369	0.14	0.41	0.17	70,70,73	0.0	0.0	0.0	0,0,0
370	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
371	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0
372	0.13	0.36	0.15	70,70,73	0.0	0.0	0.0	0,0,0
373	0.07	0.21	0.08	70,70,73	0.0	0.0	0.0	0,0,0
374	0.08	0.24	0.09	70,70,73	0.0	0.0	0.0	0,0,0
375	0.07	0.22	0.08	70,70,73	0.0	0.0	0.0	0,0,0
376	0.07	0.18	0.07	70,70,73	0.0	0.0	0.0	0,0,0
377	0.07	0.20	0.08	70,70,73	0.0	0.0	0.0	0,0,0
378	0.08	0.23	0.09	70,70,73	0.0	0.0	0.0	0,0,0
379	0.08	0.25	0.10	70,70,73	0.0	0.0	0.0	0,0,0
380	0.06	0.17	0.07	70,70,73	0.0	0.0	0.0	0,0,0
381	0.14	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
382	0.13	0.36	0.15	70,70,73	0.0	0.0	0.0	0,0,0
383	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
384	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
385	0.10	0.30	0.12	70,70,73	0.0	0.0	0.0	0,0,0
386	0.10	0.28	0.12	70,70,73	0.0	0.0	0.0	0,0,0
387	0.09	0.26	0.11	70,70,73	0.0	0.0	0.0	0,0,0
388	0.10	0.27	0.11	70,70,73	0.0	0.0	0.0	0,0,0
389	0.10	0.29	0.12	70,70,73	0.0	0.0	0.0	0,0,0
390	0.10	0.30	0.12	70,70,73	0.0	0.0	0.0	0,0,0
391	0.12	0.34	0.14	70,70,73	0.0	0.0	0.0	0,0,0
392	0.14	0.39	0.16	70,70,73	0.0	0.0	0.0	0,0,0
393	0.14	0.41	0.17	70,70,73	0.0	0.0	0.0	0,0,0

394	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
395	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0
396	0.13	0.36	0.15	70,70,73	0.0	0.0	0.0	0,0,0
397	0.13	0.35	0.15	70,70,73	0.0	0.0	0.0	0,0,0
398	0.13	0.36	0.15	70,70,73	0.0	0.0	0.0	0,0,0
399	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0
400	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
401	0.14	0.40	0.17	70,70,73	0.0	0.0	0.0	0,0,0
402	0.07	0.20	0.08	70,70,73	0.0	0.0	0.0	0,0,0
403	0.08	0.22	0.09	70,70,73	0.0	0.0	0.0	0,0,0
404	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
405	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
406	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
407	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
408	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
409	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
410	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
411	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
412	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
413	0.11	0.30	0.12	70,70,73	0.0	0.0	0.0	0,0,0
414	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
415	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
416	0.17	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
417	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
418	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
419	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
420	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
421	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
422	0.10	0.28	0.12	70,70,73	0.0	0.0	0.0	0,0,0
423	0.10	0.27	0.11	70,70,73	0.0	0.0	0.0	0,0,0
424	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
425	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
426	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
427	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
428	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
429	0.18	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
430	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
431	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
432	0.10	0.28	0.12	70,70,73	0.0	0.0	0.0	0,0,0
433	0.10	0.29	0.12	70,70,73	0.0	0.0	0.0	0,0,0
434	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
435	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
436	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
437	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
438	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
439	0.18	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
440	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
441	0.18	0.51	0.21	70,70,73	0.0	0.0	0.0	0,0,0
442	0.11	0.30	0.12	70,70,73	0.0	0.0	0.0	0,0,0
443	0.12	0.34	0.14	70,70,73	0.0	0.0	0.0	0,0,0
444	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
445	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
446	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
447	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
448	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
449	0.18	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
450	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
451	0.18	0.50	0.21	70,70,73	0.0	0.0	0.0	0,0,0
452	0.08	0.25	0.10	70,70,73	0.0	0.0	0.0	0,0,0
453	0.09	0.26	0.10	70,70,73	0.0	0.0	0.0	0,0,0
454	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
455	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
456	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
457	0.17	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
458	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
459	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
460	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
461	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
462	0.08	0.22	0.08	70,70,73	0.0	0.0	0.0	0,0,0
463	0.08	0.24	0.09	70,70,73	0.0	0.0	0.0	0,0,0
464	0.15	0.44	0.18	70,70,73	0.0	0.0	0.0	0,0,0
465	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
466	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
467	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
468	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
469	0.15	0.44	0.18	70,70,73	0.0	0.0	0.0	0,0,0
470	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0

471	0.16	0.46	0.19	70,70,73	0.0	0.0	0.0	0,0,0
472	0.07	0.21	0.08	70,70,73	0.0	0.0	0.0	0,0,0
473	0.09	0.25	0.11	70,70,73	0.0	0.0	0.0	0,0,0
474	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0
475	0.13	0.36	0.15	70,70,73	0.0	0.0	0.0	0,0,0
476	0.13	0.35	0.15	70,70,73	0.0	0.0	0.0	0,0,0
477	0.06	0.19	0.07	70,70,73	0.0	0.0	0.0	0,0,0
478	0.08	0.23	0.09	70,70,73	0.0	0.0	0.0	0,0,0
479	0.08	0.22	0.09	70,70,73	0.0	0.0	0.0	0,0,0
480	0.07	0.19	0.08	70,70,73	0.0	0.0	0.0	0,0,0
481	0.08	0.22	0.09	70,70,73	0.0	0.0	0.0	0,0,0
482	0.08	0.25	0.10	70,70,73	0.0	0.0	0.0	0,0,0
483	0.09	0.26	0.10	70,70,73	0.0	0.0	0.0	0,0,0
484	0.07	0.19	0.08	70,70,73	0.0	0.0	0.0	0,0,0
485	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
486	0.13	0.36	0.15	70,70,73	0.0	0.0	0.0	0,0,0
487	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0
488	0.10	0.30	0.12	70,70,73	0.0	0.0	0.0	0,0,0
489	0.10	0.29	0.12	70,70,73	0.0	0.0	0.0	0,0,0
490	0.10	0.27	0.12	70,70,73	0.0	0.0	0.0	0,0,0
491	0.09	0.26	0.11	70,70,73	0.0	0.0	0.0	0,0,0
492	0.10	0.27	0.11	70,70,73	0.0	0.0	0.0	0,0,0
493	0.10	0.28	0.12	70,70,73	0.0	0.0	0.0	0,0,0
494	0.10	0.30	0.12	70,70,73	0.0	0.0	0.0	0,0,0
495	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
496	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
497	0.14	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
498	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0
499	0.13	0.37	0.15	70,70,73	0.0	0.0	0.0	0,0,0
500	0.13	0.36	0.15	70,70,73	0.0	0.0	0.0	0,0,0
501	0.12	0.35	0.15	70,70,73	0.0	0.0	0.0	0,0,0
502	0.13	0.35	0.15	70,70,73	0.0	0.0	0.0	0,0,0
503	0.13	0.36	0.15	70,70,73	0.0	0.0	0.0	0,0,0
504	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
505	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
506	0.08	0.22	0.09	70,70,73	0.0	0.0	0.0	0,0,0
507	0.08	0.24	0.10	70,70,73	0.0	0.0	0.0	0,0,0
508	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
509	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
510	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
511	0.15	0.41	0.18	70,70,73	0.0	0.0	0.0	0,0,0
512	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
513	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
514	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
515	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
516	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
517	0.10	0.30	0.12	70,70,73	0.0	0.0	0.0	0,0,0
518	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
519	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
520	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
521	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
522	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
523	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
524	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
525	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
526	0.10	0.28	0.12	70,70,73	0.0	0.0	0.0	0,0,0
527	0.10	0.27	0.11	70,70,73	0.0	0.0	0.0	0,0,0
528	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
529	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
530	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
531	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
532	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
533	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
534	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
535	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
536	0.10	0.27	0.12	70,70,73	0.0	0.0	0.0	0,0,0
537	0.10	0.29	0.12	70,70,73	0.0	0.0	0.0	0,0,0
538	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
539	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
540	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
541	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
542	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
543	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
544	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
545	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
546	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
547	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0

548	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
549	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
550	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
551	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
552	0.17	0.48	0.20	70,70,73	0.0	0.0	0.0	0,0,0
553	0.17	0.48	0.21	70,70,73	0.0	0.0	0.0	0,0,0
554	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
555	0.17	0.49	0.21	70,70,73	0.0	0.0	0.0	0,0,0
556	0.09	0.26	0.10	70,70,73	0.0	0.0	0.0	0,0,0
557	0.08	0.25	0.09	70,70,73	0.0	0.0	0.0	0,0,0
558	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
559	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
560	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
561	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
562	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
563	0.17	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
564	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
565	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
566	0.07	0.20	0.08	70,70,73	0.0	0.0	0.0	0,0,0
567	0.08	0.23	0.09	70,70,73	0.0	0.0	0.0	0,0,0
568	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
569	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
570	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
571	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
572	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
573	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
574	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
575	0.15	0.44	0.18	70,70,73	0.0	0.0	0.0	0,0,0
576	0.08	0.21	0.09	70,70,73	0.0	0.0	0.0	0,0,0
577	0.08	0.24	0.09	70,70,73	0.0	0.0	0.0	0,0,0
578	0.11	0.32	0.14	70,70,73	0.0	0.0	0.0	0,0,0
579	0.11	0.32	0.14	70,70,73	0.0	0.0	0.0	0,0,0
580	0.12	0.32	0.14	70,70,73	0.0	0.0	0.0	0,0,0
581	0.06	0.16	0.06	70,70,73	0.0	0.0	0.0	0,0,0
582	0.07	0.20	0.08	70,70,73	0.0	0.0	0.0	0,0,0
583	0.08	0.20	0.09	70,70,73	0.0	0.0	0.0	0,0,0
584	0.09	0.25	0.11	70,70,73	0.0	0.0	0.0	0,0,0
585	0.11	0.29	0.13	70,70,73	0.0	0.0	0.0	0,0,0
586	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
587	0.10	0.31	0.12	70,70,73	0.0	0.0	0.0	0,0,0
588	0.09	0.25	0.11	70,70,73	0.0	0.0	0.0	0,0,0
589	0.12	0.31	0.14	70,70,73	0.0	0.0	0.0	0,0,0
590	0.12	0.34	0.15	70,70,73	0.0	0.0	0.0	0,0,0
591	0.13	0.36	0.15	70,70,73	0.0	0.0	0.0	0,0,0
592	0.09	0.22	0.10	70,70,73	0.0	0.0	0.0	0,0,0
593	0.08	0.23	0.10	70,70,73	0.0	0.0	0.0	0,0,0
594	0.08	0.23	0.10	70,70,73	0.0	0.0	0.0	0,0,0
595	0.09	0.25	0.11	70,70,73	0.0	0.0	0.0	0,0,0
596	0.10	0.27	0.11	70,70,73	0.0	0.0	0.0	0,0,0
597	0.10	0.29	0.12	70,70,73	0.0	0.0	0.0	0,0,0
598	0.10	0.30	0.12	70,70,73	0.0	0.0	0.0	0,0,0
599	0.10	0.30	0.12	70,70,73	0.0	0.0	0.0	0,0,0
600	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0
601	0.13	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
602	0.12	0.30	0.14	70,70,73	0.0	0.0	0.0	0,0,0
603	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
604	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
605	0.12	0.32	0.14	70,70,73	0.0	0.0	0.0	0,0,0
606	0.12	0.34	0.14	70,70,73	0.0	0.0	0.0	0,0,0
607	0.13	0.35	0.15	70,70,73	0.0	0.0	0.0	0,0,0
608	0.13	0.37	0.15	70,70,73	0.0	0.0	0.0	0,0,0
609	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0
610	0.11	0.29	0.12	70,70,73	0.0	0.0	0.0	0,0,0
611	0.11	0.31	0.12	70,70,73	0.0	0.0	0.0	0,0,0
612	0.14	0.40	0.17	70,70,73	0.0	0.0	0.0	0,0,0
613	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0
614	0.13	0.37	0.16	70,70,73	0.0	0.0	0.0	0,0,0
615	0.14	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
616	0.14	0.39	0.17	70,70,73	0.0	0.0	0.0	0,0,0
617	0.14	0.41	0.17	70,70,73	0.0	0.0	0.0	0,0,0
618	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
619	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
620	0.09	0.22	0.10	70,70,73	0.0	0.0	0.0	0,0,0
621	0.09	0.24	0.10	70,70,73	0.0	0.0	0.0	0,0,0
622	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
623	0.15	0.41	0.18	70,70,73	0.0	0.0	0.0	0,0,0
624	0.15	0.41	0.18	70,70,73	0.0	0.0	0.0	0,0,0

625	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
626	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
627	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
628	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
629	0.16	0.46	0.19	70,70,73	0.0	0.0	0.0	0,0,0
630	0.08	0.23	0.10	70,70,73	0.0	0.0	0.0	0,0,0
631	0.09	0.25	0.11	70,70,73	0.0	0.0	0.0	0,0,0
632	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
633	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
634	0.16	0.43	0.19	70,70,73	0.0	0.0	0.0	0,0,0
635	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
636	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
637	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
638	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
639	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
640	0.10	0.27	0.12	70,70,73	0.0	0.0	0.0	0,0,0
641	0.10	0.29	0.12	70,70,73	0.0	0.0	0.0	0,0,0
642	0.15	0.44	0.18	70,70,73	0.0	0.0	0.0	0,0,0
643	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
644	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
645	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
646	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
647	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
648	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
649	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
650	0.11	0.30	0.13	70,70,73	0.0	0.0	0.0	0,0,0
651	0.11	0.31	0.13	70,70,73	0.0	0.0	0.0	0,0,0
652	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
653	0.16	0.43	0.19	70,70,73	0.0	0.0	0.0	0,0,0
654	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
655	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
656	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
657	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
658	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
659	0.17	0.47	0.20	70,70,73	0.0	0.0	0.0	0,0,0
660	0.10	0.31	0.12	70,70,73	0.0	0.0	0.0	0,0,0
661	0.09	0.28	0.11	70,70,73	0.0	0.0	0.0	0,0,0
662	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
663	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
664	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
665	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
666	0.15	0.43	0.19	70,70,73	0.0	0.0	0.0	0,0,0
667	0.16	0.44	0.19	70,70,73	0.0	0.0	0.0	0,0,0
668	0.16	0.45	0.19	70,70,73	0.0	0.0	0.0	0,0,0
669	0.16	0.46	0.20	70,70,73	0.0	0.0	0.0	0,0,0
670	0.06	0.17	0.07	70,70,73	0.0	0.0	0.0	0,0,0
671	0.07	0.20	0.08	70,70,73	0.0	0.0	0.0	0,0,0
672	0.14	0.40	0.17	70,70,73	0.0	0.0	0.0	0,0,0
673	0.14	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
674	0.14	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
675	0.14	0.38	0.16	70,70,73	0.0	0.0	0.0	0,0,0
676	0.14	0.40	0.17	70,70,73	0.0	0.0	0.0	0,0,0
677	0.15	0.41	0.17	70,70,73	0.0	0.0	0.0	0,0,0
678	0.15	0.42	0.18	70,70,73	0.0	0.0	0.0	0,0,0
679	0.15	0.43	0.18	70,70,73	0.0	0.0	0.0	0,0,0
680	0.08	0.20	0.09	70,70,73	0.0	0.0	0.0	0,0,0
681	0.09	0.27	0.10	70,70,73	0.0	0.0	0.0	0,0,0

Guscio	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.18	0.51	0.22		0.0	0.0	0.0	

STATO LIMITE D' ESERCIZIO: SLD DANNO SISMICO

LEGENDA TABELLA STATI LIMITE DI DANNO (VERIFICHE RES)

Le verifiche RES per SLD sono effettuate in accordo alle Norme Tecniche 17 Gennaio 2018 e alla circolare n.7 del 21 gennaio 2019 nonché alle linee guida del Consiglio Superiore LL.PP. "Linee guida per la Progettazione, l'Esecuzione ed il Collaudo di Interventi di Rinforzo di strutture di c.a., c.a.p. e murarie mediante FRP".

Le verifiche RES per SLD, sono riportate nelle successive tabelle nella forma di rapporto "domanda" su "capacità" e hanno esito positivo quando il rapporto è non superiore al valore unitario.

La "domanda" è ottenuta direttamente dall'analisi per le previste combinazioni SLD (NTC18 2.5.3. COMBINAZIONI DELLE AZIONI formula [2.5.5]).

Per "capacità" si intende qui il valore della sollecitazione corrispondente al raggiungimento dello stato limite di danno per la sezione: per la resistenza flessionale questo stato limite si identifica con la tensione di snervamento dell'acciaio o la resistenza massima a compressione per il calcestruzzo e la muratura. Lo stato limite di danno si ritiene attinto anche in caso di superamento della resistenza a taglio.

Le resistenze flessionali sono valutate utilizzando i legami costitutivi del materiale limitati al solo tratto elastico, ottenendo così resistenze sostanzialmente elastiche come previsto dalla norma.

La seguente tabella identifica per quali configurazioni (materiale nuovo, esistente, con rinforzi e metodo di analisi) sono state condotte le verifiche di seguito riportate.

Configurazione	Verifica SLD	NOTE
1) c.a. nuovo e esist. Verifica SLU con q>1	Verifica N/M SE Verifica V/T	Sono verifiche per struttura non dissipativa condotte secondo il cap.4 NTC18 in regime sostanzialmente elastico; si verificano travi,pilastri, setti e gusci.
2) Muratura nuova Verifica SLU con q>1	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap.7
3) Muratura esis. AO Verifica SLU con q>1	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap. 7 e 8
4) Muratura esis. PO Verifica SLU con q>1	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap. 7 e 8; Anche per rinforzi FRP è prevista verifica N/M SE e V

Simbologia adottata nelle tabelle di verifica

Per le verifiche agli SLD di pilastri, travi setti e gusci in *c.a*. è presente una tabella con i simboli di seguito descritti:

Pilas./Trave/ Setto/Guscio	numero identificativo dell'elemento D2 o D3
Stato	Codici relativi all'esito delle verifiche effettuate appresso descritte
Pos.	Posizione nell'elemento della sezione per la quale si riporta la verifica
V N/M	Verifica a pressoflessione con rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd lato cls: valore minore o uguale a 1 per verifica positiva
V V/T acc	Verifica a taglio/torsione con rapporto Ved/Vrd lato acciaio: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il pilastro

Per le verifiche agli SLD di maschi e fasce in *muratura*. è presente una tabella con i simboli di seguito descritti:

Setto/Fascia/Elem.	numero del macroelemento (D3) o elemento (D2) considerato	
Mat.	Materiale	
s=,m=	Indice della sezione e del materiale assegnati all' elemento (per D2)	
Spessore	spessore dell'elemento	
Stato	***ok***	elemento verificato (SLD)
	NV	elemento non verificato (SLD)

e a seguire:

Nodo/Pos.	numero del nodo appartenente al setto / posizione relativa al nodo I per D2
h0/t	valore della snellezza convenzionale
P/Ap	tensione verticale media utilizzata per la verifica a pressoflessione nel piano del muro
P/Acv	tensione verticale media nella parte compressa, utilizzata nella verifica a taglio nel piano del muro
Ver. Mp	rapporto tra il momento di progetto e il momento Mrd in relazione alla verifica Par. 7.8.2.2.1 (pressoflessione complanare) effettuato per tutte le combinazioni
Ver. V	rapporto il taglio di progetto e il taglio ultimo in relazione alla verifica Par. 7.8.2.2.2 (taglio complanare) o C8.7.1.16 della circolare 21-01-19 per edifici esistenti effettuato per tutte le combinazioni (solo per elementi maschi)
Ver. V	rapporto tra il taglio di progetto e il minore dei tagli resistenti Vp e Vt in relazione alla verifica del par. 7.8.2.2.3 (solo per elementi fasce)
Rif. cmb	Combinazioni in cui si hanno i massimi valori dei rapporti Ver. Mp, Ver. V

Per elementi consolidati secondo il paragrafo C8.5.3.1 il programma opera come per gli elementi non rinforzati, considerando ai fini delle analisi e delle verifiche gli opportuni coefficienti correttivi delle rigidezze e delle resistenze.

Per elementi consolidati con FRP il programma implementa le verifiche previste dalle "Linee guida per la Progettazione, l'Esecuzione ed il Collaudo di Interventi di Rinforzo di strutture di c.a., c.a.p. e murarie mediante FRP" approvate dal CSLLPP il 24/07/2009.
Per elementi consolidati con FRCM il programma implementa le verifiche previste dalle CNR-DT 215/2018 *"Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati a Matrice Inorganica"*
Per semplicità la simbologia adottata nelle tabelle è uniformata a quella degli elementi non rinforzati.

Le tabelle riportano inoltre i seguenti parametri:

Fibra	Tipo di fibra del fibrorinforzo
E fibra	Modulo elastico del fibrorinforzo
epsr	Dilatazione di rottura del fibrorinforzo
epsd	Dilatazione di calcolo
epsd(s)	Dilatazione di calcolo per combinazioni sismiche
Spess.	Spessore del fibrorinforzo, il programma prevede l' applicazione di uno strato di spessore s su entrambe le facce della parete (o sui quattro lati della sezione in caso di confinamento)
AO fib.	Area orizzontale complessiva di fibrorinforzo per metro lineare
AV fib.	Area verticale complessiva di fibrorinforzo per metro lineare

Affinché l'elemento sia verificato deve essere:

Ver. Mp, Ver.V	non superiore a 1

TABELLA VERIFICHE ELEMENTI D2 PILASTRI C.A.

Pilas.	Stato	Pos. cm	V N/M	V V/T cls	V V/T acc	Rif. cmb	Pos. cm	V N/M	V V/T cls	V V/T acc	Rif. cmb
1	ok	0.0	0.82	0.31	0.21	65,65,65	175.0	0.26	0.31	0.21	68,65,65
		350.0	0.86	0.31	0.21	65,65,65					
2	ok	0.0	0.79	0.32	0.20	61,65,65	175.0	0.29	0.32	0.20	60,65,65
		350.0	0.82	0.33	0.20	41,65,65					
3	ok	0.0	0.79	0.32	0.20	66,62,68	175.0	0.29	0.32	0.20	53,62,68
		350.0	0.82	0.33	0.20	50,62,68					
4	ok	0.0	0.83	0.31	0.21	62,62,68	175.0	0.26	0.31	0.21	63,62,68
		350.0	0.86	0.31	0.21	62,62,68					
5	ok	0.0	0.90	0.32	0.22	62,62,68	175.0	0.25	0.32	0.22	63,62,68
		350.0	0.89	0.32	0.22	62,62,68					
14	ok	0.0	0.85	0.36	0.22	66,62,68	175.0	0.19	0.36	0.22	51,62,68
		350.0	0.76	0.36	0.22	62,62,68					
15	ok	0.0	0.84	0.36	0.22	61,65,63	175.0	0.19	0.36	0.22	44,65,63
		350.0	0.76	0.36	0.22	65,65,63					
16	ok	0.0	0.90	0.32	0.22	65,65,65	175.0	0.25	0.32	0.22	68,65,65
		350.0	0.89	0.32	0.22	65,65,65					
101	ok	0.0	0.77	0.32	0.20	54,59,53	175.0	0.19	0.32	0.20	38,59,53
		350.0	0.70	0.32	0.20	59,59,53					
102	ok	0.0	0.77	0.32	0.20	57,56,58	175.0	0.19	0.32	0.20	45,56,58
		350.0	0.70	0.32	0.20	56,56,58					
104	ok	0.0	0.79	0.28	0.19	59,65,59	175.0	0.24	0.28	0.19	58,65,59
		350.0	0.80	0.28	0.19	41,65,59					
105	ok	0.0	0.84	0.29	0.19	59,59,59	175.0	0.23	0.29	0.19	58,59,59
		350.0	0.83	0.29	0.19	59,59,59					
106	ok	0.0	0.79	0.28	0.19	56,62,58	175.0	0.24	0.28	0.19	53,62,58
		350.0	0.80	0.28	0.19	50,62,58					
115	ok	0.0	0.84	0.29	0.19	56,56,58	175.0	0.23	0.29	0.19	53,56,58
		350.0	0.83	0.29	0.19	56,56,58					

Pilas.			V N/M	V V/T cls	V V/T acc			V N/M	V V/T cls	V V/T acc	
			0.90	0.36	0.22						

TABELLA VERIFICHE ELEMENTI D3 GUSCI C.A.

Guscio	Stato	Nodo	V N/M	V V/T cls	V V/T acc	Rif. cmb	Nodo	V N/M	V V/T cls	V V/T acc	Rif. cmb
1	ok	19	0.64	0.0	0.0	66,0,0	11	0.66	0.0	0.0	66,0,0
		17	0.66	0.0	0.0	66,0,0					
2	ok	18	0.69	0.0	0.0	62,0,0	19	0.67	0.0	0.0	62,0,0
		17	0.69	0.0	0.0	62,0,0					
3	ok	21	0.47	0.0	0.0	51,0,0	19	0.67	0.0	0.0	66,0,0
		18	0.69	0.0	0.0	62,0,0	20	0.46	0.0	0.0	62,0,0
4	ok	23	0.24	0.0	0.0	67,0,0	21	0.53	0.0	0.0	66,0,0
		20	0.42	0.0	0.0	66,0,0	22	0.38	0.0	0.0	50,0,0
5	ok	25	0.22	0.0	0.0	61,0,0	23	0.40	0.0	0.0	64,0,0
		22	0.26	0.0	0.0	64,0,0	24	0.30	0.0	0.0	64,0,0
6	ok	27	0.36	0.0	0.0	64,0,0	25	0.40	0.0	0.0	64,0,0
		24	0.28	0.0	0.0	64,0,0	26	0.35	0.0	0.0	64,0,0
7	ok	29	0.48	0.0	0.0	64,0,0	27	0.42	0.0	0.0	64,0,0
		26	0.38	0.0	0.0	64,0,0	28	0.44	0.0	0.0	68,0,0
8	ok	31	0.61	0.0	0.0	68,0,0	29	0.48	0.0	0.0	68,0,0
		28	0.50	0.0	0.0	68,0,0	30	0.53	0.0	0.0	68,0,0
9	ok	33	0.68	0.0	0.0	64,0,0	31	0.57	0.0	0.0	64,0,0
		30	0.61	0.0	0.0	64,0,0	32	0.65	0.0	0.0	64,0,0
10	ok	35	0.65	0.0	0.0	68,0,0	33	0.64	0.0	0.0	64,0,0
		32	0.68	0.0	0.0	64,0,0	34	0.66	0.0	0.0	68,0,0
11	ok	13	0.63	0.0	0.0	61,0,0	35	0.63	0.0	0.0	64,0,0
		34	0.65	0.0	0.0	64,0,0					
12	ok	36	0.64	0.0	0.0	64,0,0	13	0.63	0.0	0.0	66,0,0
		34	0.65	0.0	0.0	64,0,0					
13	ok	18	0.58	0.0	0.0	64,0,0	17	0.66	0.0	0.0	66,0,0
		37	0.72	0.0	0.0	68,0,0	38	0.69	0.0	0.0	64,0,0

14	ok	20	0.48	0.0	0.0	66,0,0	18	0.61	0.0	0.0	62,0,0
		38	0.68	0.0	0.0	64,0,0	39	0.57	0.0	0.0	64,0,0
15	ok	22	0.37	0.0	0.0	66,0,0	20	0.49	0.0	0.0	66,0,0
		39	0.57	0.0	0.0	64,0,0	40	0.46	0.0	0.0	64,0,0
16	ok	24	0.32	0.0	0.0	64,0,0	22	0.38	0.0	0.0	64,0,0
		40	0.46	0.0	0.0	64,0,0	41	0.41	0.0	0.0	68,0,0
17	ok	26	0.40	0.0	0.0	64,0,0	24	0.36	0.0	0.0	64,0,0
		41	0.42	0.0	0.0	64,0,0	42	0.44	0.0	0.0	64,0,0
18	ok	28	0.51	0.0	0.0	68,0,0	26	0.44	0.0	0.0	64,0,0
		42	0.47	0.0	0.0	68,0,0	43	0.53	0.0	0.0	68,0,0
19	ok	30	0.63	0.0	0.0	64,0,0	28	0.54	0.0	0.0	68,0,0
		43	0.55	0.0	0.0	64,0,0	44	0.63	0.0	0.0	64,0,0
20	ok	32	0.67	0.0	0.0	64,0,0	30	0.65	0.0	0.0	64,0,0
		44	0.63	0.0	0.0	64,0,0	45	0.69	0.0	0.0	64,0,0
21	ok	34	0.66	0.0	0.0	64,0,0	32	0.67	0.0	0.0	64,0,0
		45	0.70	0.0	0.0	64,0,0	46	0.68	0.0	0.0	64,0,0
22	ok	36	0.66	0.0	0.0	64,0,0	34	0.65	0.0	0.0	64,0,0
		46	0.69	0.0	0.0	64,0,0	47	0.65	0.0	0.0	64,0,0
23	ok	38	0.55	0.0	0.0	64,0,0	37	0.54	0.0	0.0	64,0,0
		48	0.59	0.0	0.0	64,0,0	49	0.61	0.0	0.0	64,0,0
24	ok	39	0.52	0.0	0.0	64,0,0	38	0.54	0.0	0.0	64,0,0
		49	0.61	0.0	0.0	64,0,0	50	0.59	0.0	0.0	64,0,0
25	ok	40	0.47	0.0	0.0	64,0,0	39	0.52	0.0	0.0	64,0,0
		50	0.59	0.0	0.0	64,0,0	51	0.55	0.0	0.0	64,0,0
26	ok	41	0.45	0.0	0.0	68,0,0	40	0.48	0.0	0.0	64,0,0
		51	0.55	0.0	0.0	64,0,0	52	0.53	0.0	0.0	64,0,0
27	ok	42	0.48	0.0	0.0	68,0,0	41	0.46	0.0	0.0	68,0,0
		52	0.53	0.0	0.0	68,0,0	53	0.54	0.0	0.0	68,0,0
28	ok	43	0.55	0.0	0.0	68,0,0	42	0.50	0.0	0.0	68,0,0
		53	0.54	0.0	0.0	68,0,0	54	0.59	0.0	0.0	64,0,0
29	ok	44	0.64	0.0	0.0	64,0,0	43	0.57	0.0	0.0	64,0,0
		54	0.60	0.0	0.0	64,0,0	55	0.67	0.0	0.0	64,0,0
30	ok	45	0.70	0.0	0.0	64,0,0	44	0.65	0.0	0.0	64,0,0
		55	0.67	0.0	0.0	64,0,0	56	0.72	0.0	0.0	64,0,0
31	ok	46	0.69	0.0	0.0	64,0,0	45	0.70	0.0	0.0	64,0,0
		56	0.72	0.0	0.0	64,0,0	57	0.70	0.0	0.0	64,0,0
32	ok	47	0.70	0.0	0.0	64,0,0	46	0.68	0.0	0.0	64,0,0
		57	0.72	0.0	0.0	64,0,0	58	0.68	0.0	0.0	64,0,0
33	ok	49	0.54	0.0	0.0	64,0,0	48	0.54	0.0	0.0	64,0,0
		59	0.58	0.0	0.0	64,0,0	60	0.58	0.0	0.0	64,0,0
34	ok	50	0.53	0.0	0.0	64,0,0	49	0.54	0.0	0.0	64,0,0
		60	0.58	0.0	0.0	64,0,0	61	0.58	0.0	0.0	64,0,0
35	ok	51	0.52	0.0	0.0	64,0,0	50	0.53	0.0	0.0	64,0,0
		61	0.58	0.0	0.0	64,0,0	62	0.57	0.0	0.0	64,0,0
36	ok	52	0.51	0.0	0.0	64,0,0	51	0.52	0.0	0.0	64,0,0
		62	0.57	0.0	0.0	64,0,0	63	0.56	0.0	0.0	64,0,0
37	ok	53	0.52	0.0	0.0	68,0,0	52	0.51	0.0	0.0	68,0,0
		63	0.57	0.0	0.0	64,0,0	64	0.57	0.0	0.0	64,0,0
38	ok	54	0.57	0.0	0.0	64,0,0	53	0.53	0.0	0.0	68,0,0
		64	0.58	0.0	0.0	64,0,0	65	0.61	0.0	0.0	64,0,0
39	ok	55	0.62	0.0	0.0	64,0,0	54	0.57	0.0	0.0	64,0,0
		65	0.61	0.0	0.0	64,0,0	66	0.66	0.0	0.0	64,0,0
40	ok	56	0.69	0.0	0.0	64,0,0	55	0.63	0.0	0.0	64,0,0
		66	0.66	0.0	0.0	64,0,0	67	0.72	0.0	0.0	64,0,0
41	ok	57	0.73	0.0	0.0	64,0,0	56	0.68	0.0	0.0	64,0,0
		67	0.71	0.0	0.0	64,0,0	68	0.73	0.0	0.0	64,0,0
42	ok	58	0.73	0.0	0.0	64,0,0	57	0.70	0.0	0.0	64,0,0
		68	0.75	0.0	0.0	64,0,0	69	0.72	0.0	0.0	64,0,0
43	ok	60	0.52	0.0	0.0	64,0,0	59	0.52	0.0	0.0	64,0,0
		70	0.55	0.0	0.0	64,0,0	71	0.55	0.0	0.0	64,0,0
44	ok	61	0.52	0.0	0.0	64,0,0	60	0.52	0.0	0.0	64,0,0
		71	0.55	0.0	0.0	64,0,0	72	0.55	0.0	0.0	64,0,0
45	ok	62	0.51	0.0	0.0	64,0,0	61	0.52	0.0	0.0	64,0,0
		72	0.55	0.0	0.0	64,0,0	73	0.55	0.0	0.0	64,0,0
46	ok	63	0.52	0.0	0.0	64,0,0	62	0.52	0.0	0.0	64,0,0
		73	0.55	0.0	0.0	64,0,0	74	0.55	0.0	0.0	64,0,0
47	ok	64	0.53	0.0	0.0	64,0,0	63	0.52	0.0	0.0	64,0,0
		74	0.55	0.0	0.0	64,0,0	75	0.56	0.0	0.0	64,0,0
48	ok	65	0.55	0.0	0.0	64,0,0	64	0.53	0.0	0.0	64,0,0
		75	0.56	0.0	0.0	64,0,0	76	0.58	0.0	0.0	64,0,0
49	ok	66	0.58	0.0	0.0	64,0,0	65	0.55	0.0	0.0	64,0,0
		76	0.58	0.0	0.0	64,0,0	77	0.61	0.0	0.0	64,0,0
50	ok	67	0.62	0.0	0.0	64,0,0	66	0.58	0.0	0.0	64,0,0
		77	0.60	0.0	0.0	64,0,0	78	0.64	0.0	0.0	64,0,0
51	ok	68	0.65	0.0	0.0	64,0,0	67	0.60	0.0	0.0	64,0,0
		78	0.63	0.0	0.0	64,0,0	79	0.67	0.0	0.0	64,0,0
52	ok	69	0.71	0.0	0.0	64,0,0	68	0.61	0.0	0.0	64,0,0

		79	0.68	0.0	0.0	64,0,0	80	0.66	0.0	0.0	64,0,0
53	ok	71	0.49	0.0	0.0	64,0,0	70	0.49	0.0	0.0	64,0,0
		81	0.50	0.0	0.0	64,0,0	82	0.50	0.0	0.0	64,0,0
54	ok	72	0.49	0.0	0.0	64,0,0	71	0.49	0.0	0.0	64,0,0
		82	0.50	0.0	0.0	64,0,0	83	0.50	0.0	0.0	64,0,0
55	ok	73	0.49	0.0	0.0	64,0,0	72	0.49	0.0	0.0	64,0,0
		83	0.51	0.0	0.0	64,0,0	84	0.50	0.0	0.0	64,0,0
56	ok	74	0.49	0.0	0.0	64,0,0	73	0.49	0.0	0.0	64,0,0
		84	0.51	0.0	0.0	64,0,0	85	0.51	0.0	0.0	64,0,0
57	ok	75	0.49	0.0	0.0	64,0,0	74	0.49	0.0	0.0	64,0,0
		85	0.51	0.0	0.0	64,0,0	86	0.51	0.0	0.0	64,0,0
58	ok	76	0.50	0.0	0.0	64,0,0	75	0.49	0.0	0.0	64,0,0
		86	0.51	0.0	0.0	64,0,0	87	0.52	0.0	0.0	64,0,0
59	ok	77	0.51	0.0	0.0	64,0,0	76	0.50	0.0	0.0	64,0,0
		87	0.52	0.0	0.0	64,0,0	88	0.53	0.0	0.0	64,0,0
60	ok	78	0.53	0.0	0.0	64,0,0	77	0.51	0.0	0.0	64,0,0
		88	0.52	0.0	0.0	64,0,0	89	0.54	0.0	0.0	64,0,0
61	ok	79	0.54	0.0	0.0	64,0,0	78	0.52	0.0	0.0	64,0,0
		89	0.53	0.0	0.0	64,0,0	90	0.55	0.0	0.0	64,0,0
62	ok	80	0.57	0.0	0.0	64,0,0	79	0.51	0.0	0.0	64,0,0
		90	0.55	0.0	0.0	64,0,0	91	0.54	0.0	0.0	64,0,0
63	ok	82	0.46	0.0	0.0	44,0,0	81	0.45	0.0	0.0	44,0,0
		92	0.45	0.0	0.0	51,0,0	93	0.46	0.0	0.0	51,0,0
64	ok	83	0.46	0.0	0.0	44,0,0	82	0.46	0.0	0.0	44,0,0
		93	0.46	0.0	0.0	51,0,0	94	0.46	0.0	0.0	51,0,0
65	ok	84	0.46	0.0	0.0	44,0,0	83	0.46	0.0	0.0	44,0,0
		94	0.46	0.0	0.0	52,0,0	95	0.47	0.0	0.0	52,0,0
66	ok	85	0.46	0.0	0.0	43,0,0	84	0.47	0.0	0.0	43,0,0
		95	0.47	0.0	0.0	52,0,0	96	0.47	0.0	0.0	52,0,0
67	ok	86	0.46	0.0	0.0	43,0,0	85	0.47	0.0	0.0	43,0,0
		96	0.47	0.0	0.0	52,0,0	97	0.46	0.0	0.0	52,0,0
68	ok	87	0.46	0.0	0.0	52,0,0	86	0.46	0.0	0.0	43,0,0
		97	0.47	0.0	0.0	52,0,0	98	0.46	0.0	0.0	52,0,0
69	ok	88	0.47	0.0	0.0	52,0,0	87	0.46	0.0	0.0	52,0,0
		98	0.46	0.0	0.0	43,0,0	99	0.47	0.0	0.0	43,0,0
70	ok	89	0.48	0.0	0.0	52,0,0	88	0.46	0.0	0.0	52,0,0
		99	0.46	0.0	0.0	43,0,0	100	0.47	0.0	0.0	43,0,0
71	ok	90	0.49	0.0	0.0	44,0,0	89	0.47	0.0	0.0	44,0,0
		100	0.47	0.0	0.0	44,0,0	101	0.49	0.0	0.0	44,0,0
72	ok	91	0.51	0.0	0.0	44,0,0	90	0.48	0.0	0.0	44,0,0
		101	0.48	0.0	0.0	44,0,0	102	0.50	0.0	0.0	44,0,0
73	ok	93	0.50	0.0	0.0	67,0,0	92	0.50	0.0	0.0	67,0,0
		103	0.48	0.0	0.0	67,0,0	104	0.48	0.0	0.0	67,0,0
74	ok	94	0.50	0.0	0.0	67,0,0	93	0.50	0.0	0.0	67,0,0
		104	0.49	0.0	0.0	67,0,0	105	0.48	0.0	0.0	67,0,0
75	ok	95	0.50	0.0	0.0	67,0,0	94	0.50	0.0	0.0	67,0,0
		105	0.49	0.0	0.0	67,0,0	106	0.48	0.0	0.0	67,0,0
76	ok	96	0.50	0.0	0.0	67,0,0	95	0.50	0.0	0.0	67,0,0
		106	0.48	0.0	0.0	67,0,0	107	0.48	0.0	0.0	67,0,0
77	ok	97	0.50	0.0	0.0	67,0,0	96	0.50	0.0	0.0	67,0,0
		107	0.49	0.0	0.0	67,0,0	108	0.49	0.0	0.0	67,0,0
78	ok	98	0.51	0.0	0.0	67,0,0	97	0.51	0.0	0.0	67,0,0
		108	0.49	0.0	0.0	67,0,0	109	0.50	0.0	0.0	67,0,0
79	ok	99	0.52	0.0	0.0	67,0,0	98	0.51	0.0	0.0	67,0,0
		109	0.50	0.0	0.0	67,0,0	110	0.51	0.0	0.0	67,0,0
80	ok	100	0.53	0.0	0.0	67,0,0	99	0.52	0.0	0.0	67,0,0
		110	0.50	0.0	0.0	67,0,0	111	0.52	0.0	0.0	67,0,0
81	ok	101	0.54	0.0	0.0	67,0,0	100	0.53	0.0	0.0	67,0,0
		111	0.51	0.0	0.0	67,0,0	112	0.53	0.0	0.0	67,0,0
82	ok	102	0.53	0.0	0.0	67,0,0	101	0.54	0.0	0.0	67,0,0
		112	0.50	0.0	0.0	67,0,0	113	0.56	0.0	0.0	67,0,0
83	ok	104	0.55	0.0	0.0	67,0,0	103	0.55	0.0	0.0	67,0,0
		114	0.52	0.0	0.0	67,0,0	115	0.52	0.0	0.0	67,0,0
84	ok	105	0.55	0.0	0.0	67,0,0	104	0.55	0.0	0.0	67,0,0
		115	0.52	0.0	0.0	67,0,0	116	0.51	0.0	0.0	67,0,0
85	ok	106	0.54	0.0	0.0	67,0,0	105	0.55	0.0	0.0	67,0,0
		116	0.52	0.0	0.0	67,0,0	117	0.51	0.0	0.0	67,0,0
86	ok	107	0.55	0.0	0.0	67,0,0	106	0.55	0.0	0.0	67,0,0
		117	0.51	0.0	0.0	67,0,0	118	0.51	0.0	0.0	67,0,0
87	ok	108	0.56	0.0	0.0	67,0,0	107	0.55	0.0	0.0	67,0,0
		118	0.52	0.0	0.0	67,0,0	119	0.52	0.0	0.0	67,0,0
88	ok	109	0.57	0.0	0.0	67,0,0	108	0.56	0.0	0.0	67,0,0
		119	0.53	0.0	0.0	67,0,0	120	0.55	0.0	0.0	67,0,0
89	ok	110	0.60	0.0	0.0	67,0,0	109	0.57	0.0	0.0	67,0,0
		120	0.55	0.0	0.0	67,0,0	121	0.58	0.0	0.0	67,0,0
90	ok	111	0.63	0.0	0.0	67,0,0	110	0.60	0.0	0.0	67,0,0
		121	0.57	0.0	0.0	67,0,0	122	0.61	0.0	0.0	67,0,0

91	ok	112	0.66	0.0	0.0	67,0,0	111	0.63	0.0	0.0	67,0,0
		122	0.60	0.0	0.0	67,0,0	123	0.64	0.0	0.0	67,0,0
92	ok	113	0.65	0.0	0.0	67,0,0	112	0.67	0.0	0.0	67,0,0
		123	0.60	0.0	0.0	67,0,0	124	0.70	0.0	0.0	67,0,0
93	ok	115	0.58	0.0	0.0	67,0,0	114	0.58	0.0	0.0	67,0,0
		125	0.54	0.0	0.0	67,0,0	126	0.54	0.0	0.0	67,0,0
94	ok	116	0.57	0.0	0.0	67,0,0	115	0.58	0.0	0.0	67,0,0
		126	0.54	0.0	0.0	67,0,0	127	0.52	0.0	0.0	67,0,0
95	ok	117	0.57	0.0	0.0	67,0,0	116	0.57	0.0	0.0	67,0,0
		127	0.53	0.0	0.0	67,0,0	128	0.51	0.0	0.0	67,0,0
96	ok	118	0.56	0.0	0.0	67,0,0	117	0.57	0.0	0.0	67,0,0
		128	0.52	0.0	0.0	67,0,0	129	0.51	0.0	0.0	67,0,0
97	ok	119	0.57	0.0	0.0	67,0,0	118	0.57	0.0	0.0	67,0,0
		129	0.52	0.0	0.0	67,0,0	130	0.52	0.0	0.0	63,0,0
98	ok	120	0.60	0.0	0.0	67,0,0	119	0.58	0.0	0.0	67,0,0
		130	0.53	0.0	0.0	63,0,0	131	0.57	0.0	0.0	67,0,0
99	ok	121	0.66	0.0	0.0	67,0,0	120	0.61	0.0	0.0	67,0,0
		131	0.57	0.0	0.0	67,0,0	132	0.62	0.0	0.0	67,0,0
100	ok	122	0.71	0.0	0.0	67,0,0	121	0.65	0.0	0.0	67,0,0
		132	0.62	0.0	0.0	67,0,0	133	0.68	0.0	0.0	67,0,0
101	ok	123	0.74	0.0	0.0	67,0,0	122	0.71	0.0	0.0	67,0,0
		133	0.67	0.0	0.0	67,0,0	134	0.73	0.0	0.0	67,0,0
102	ok	124	0.72	0.0	0.0	67,0,0	123	0.75	0.0	0.0	67,0,0
		134	0.69	0.0	0.0	67,0,0	135	0.74	0.0	0.0	67,0,0
103	ok	126	0.59	0.0	0.0	67,0,0	125	0.60	0.0	0.0	67,0,0
		136	0.54	0.0	0.0	67,0,0	137	0.53	0.0	0.0	67,0,0
104	ok	127	0.59	0.0	0.0	67,0,0	126	0.59	0.0	0.0	67,0,0
		137	0.53	0.0	0.0	67,0,0	138	0.52	0.0	0.0	67,0,0
105	ok	128	0.55	0.0	0.0	67,0,0	127	0.59	0.0	0.0	67,0,0
		138	0.52	0.0	0.0	67,0,0	139	0.48	0.0	0.0	67,0,0
106	ok	129	0.53	0.0	0.0	67,0,0	128	0.55	0.0	0.0	67,0,0
		139	0.48	0.0	0.0	67,0,0	140	0.45	0.0	0.0	63,0,0
107	ok	130	0.54	0.0	0.0	63,0,0	129	0.53	0.0	0.0	63,0,0
		140	0.47	0.0	0.0	63,0,0	141	0.48	0.0	0.0	63,0,0
108	ok	131	0.59	0.0	0.0	67,0,0	130	0.55	0.0	0.0	63,0,0
		141	0.50	0.0	0.0	63,0,0	142	0.55	0.0	0.0	63,0,0
109	ok	132	0.67	0.0	0.0	67,0,0	131	0.60	0.0	0.0	67,0,0
		142	0.57	0.0	0.0	67,0,0	143	0.64	0.0	0.0	67,0,0
110	ok	133	0.72	0.0	0.0	67,0,0	132	0.67	0.0	0.0	67,0,0
		143	0.65	0.0	0.0	67,0,0	144	0.70	0.0	0.0	67,0,0
111	ok	134	0.71	0.0	0.0	67,0,0	133	0.72	0.0	0.0	67,0,0
		144	0.70	0.0	0.0	67,0,0	145	0.69	0.0	0.0	67,0,0
112	ok	135	0.69	0.0	0.0	67,0,0	134	0.72	0.0	0.0	67,0,0
		145	0.68	0.0	0.0	67,0,0	146	0.70	0.0	0.0	67,0,0
113	ok	137	0.68	0.0	0.0	67,0,0	136	0.62	0.0	0.0	67,0,0
		147	0.55	0.0	0.0	67,0,0	148	0.59	0.0	0.0	67,0,0
114	ok	138	0.58	0.0	0.0	67,0,0	137	0.67	0.0	0.0	67,0,0
		148	0.59	0.0	0.0	65,0,0	149	0.48	0.0	0.0	67,0,0
115	ok	139	0.47	0.0	0.0	67,0,0	138	0.57	0.0	0.0	67,0,0
		149	0.49	0.0	0.0	67,0,0	150	0.38	0.0	0.0	67,0,0
116	ok	140	0.42	0.0	0.0	63,0,0	139	0.47	0.0	0.0	67,0,0
		150	0.39	0.0	0.0	67,0,0	151	0.33	0.0	0.0	67,0,0
117	ok	141	0.45	0.0	0.0	67,0,0	140	0.43	0.0	0.0	67,0,0
		151	0.36	0.0	0.0	67,0,0	152	0.40	0.0	0.0	67,0,0
118	ok	142	0.53	0.0	0.0	63,0,0	141	0.48	0.0	0.0	63,0,0
		152	0.45	0.0	0.0	63,0,0	153	0.51	0.0	0.0	63,0,0
119	ok	143	0.63	0.0	0.0	67,0,0	142	0.55	0.0	0.0	67,0,0
		153	0.54	0.0	0.0	63,0,0	154	0.63	0.0	0.0	67,0,0
120	ok	144	0.70	0.0	0.0	67,0,0	143	0.64	0.0	0.0	67,0,0
		154	0.65	0.0	0.0	67,0,0	155	0.68	0.0	0.0	67,0,0
121	ok	145	0.68	0.0	0.0	67,0,0	144	0.70	0.0	0.0	67,0,0
		155	0.67	0.0	0.0	67,0,0	156	0.66	0.0	0.0	67,0,0
122	ok	146	0.66	0.0	0.0	67,0,0	145	0.69	0.0	0.0	63,0,0
		156	0.65	0.0	0.0	67,0,0	157	0.67	0.0	0.0	67,0,0
123	ok	148	0.69	0.0	0.0	67,0,0	147	0.66	0.0	0.0	67,0,0
		1	0.65	0.0	0.0	61,0,0	159	0.64	0.0	0.0	61,0,0
124	ok	149	0.47	0.0	0.0	65,0,0	148	0.68	0.0	0.0	65,0,0
		159	0.67	0.0	0.0	61,0,0	160	0.47	0.0	0.0	44,0,0
125	ok	150	0.38	0.0	0.0	61,0,0	149	0.43	0.0	0.0	61,0,0
		160	0.53	0.0	0.0	61,0,0	161	0.24	0.0	0.0	64,0,0
126	ok	151	0.30	0.0	0.0	55,0,0	150	0.27	0.0	0.0	67,0,0
		161	0.40	0.0	0.0	67,0,0	162	0.22	0.0	0.0	66,0,0
127	ok	152	0.35	0.0	0.0	67,0,0	151	0.28	0.0	0.0	67,0,0
		162	0.39	0.0	0.0	67,0,0	163	0.36	0.0	0.0	67,0,0
128	ok	153	0.44	0.0	0.0	63,0,0	152	0.38	0.0	0.0	67,0,0
		163	0.42	0.0	0.0	67,0,0	164	0.48	0.0	0.0	67,0,0
129	ok	154	0.53	0.0	0.0	63,0,0	153	0.50	0.0	0.0	63,0,0

		164	0.48	0.0	0.0	63,0,0	165	0.61	0.0	0.0	63,0,0
130	ok	155	0.65	0.0	0.0	67,0,0	154	0.60	0.0	0.0	67,0,0
		165	0.57	0.0	0.0	67,0,0	166	0.68	0.0	0.0	67,0,0
131	ok	156	0.66	0.0	0.0	63,0,0	155	0.69	0.0	0.0	67,0,0
		166	0.64	0.0	0.0	67,0,0	158	0.65	0.0	0.0	67,0,0
132	ok	157	0.63	0.0	0.0	67,0,0	156	0.67	0.0	0.0	63,0,0
		158	0.63	0.0	0.0	67,0,0	15	0.62	0.0	0.0	63,0,0
133	ok	167	0.66	0.0	0.0	51,0,0	9	0.67	0.0	0.0	51,0,0
		169	0.66	0.0	0.0	66,0,0					
134	ok	170	0.70	0.0	0.0	66,0,0	167	0.68	0.0	0.0	66,0,0
		169	0.69	0.0	0.0	66,0,0					
135	ok	171	0.63	0.0	0.0	48,0,0	167	0.67	0.0	0.0	66,0,0
		170	0.69	0.0	0.0	66,0,0	172	0.46	0.0	0.0	66,0,0
136	ok	173	0.29	0.0	0.0	67,0,0	171	0.51	0.0	0.0	66,0,0
		172	0.41	0.0	0.0	66,0,0	174	0.39	0.0	0.0	66,0,0
137	ok	175	0.20	0.0	0.0	67,0,0	173	0.37	0.0	0.0	54,0,0
		174	0.28	0.0	0.0	54,0,0	176	0.31	0.0	0.0	54,0,0
138	ok	177	0.20	0.0	0.0	66,0,0	175	0.32	0.0	0.0	60,0,0
		176	0.24	0.0	0.0	60,0,0	178	0.27	0.0	0.0	60,0,0
139	ok	179	0.28	0.0	0.0	64,0,0	177	0.28	0.0	0.0	40,0,0
		178	0.23	0.0	0.0	66,0,0	180	0.24	0.0	0.0	66,0,0
140	ok	181	0.37	0.0	0.0	64,0,0	179	0.29	0.0	0.0	48,0,0
		180	0.30	0.0	0.0	64,0,0	182	0.30	0.0	0.0	64,0,0
141	ok	183	0.46	0.0	0.0	64,0,0	181	0.30	0.0	0.0	51,0,0
		182	0.38	0.0	0.0	64,0,0	184	0.39	0.0	0.0	64,0,0
142	ok	185	0.65	0.0	0.0	64,0,0	183	0.41	0.0	0.0	52,0,0
		184	0.44	0.0	0.0	68,0,0	186	0.61	0.0	0.0	68,0,0
143	ok	11	0.68	0.0	0.0	45,0,0	185	0.68	0.0	0.0	50,0,0
		186	0.66	0.0	0.0	48,0,0					
144	ok	17	0.67	0.0	0.0	64,0,0	11	0.66	0.0	0.0	64,0,0
		186	0.66	0.0	0.0	64,0,0					
145	ok	170	0.58	0.0	0.0	66,0,0	169	0.64	0.0	0.0	66,0,0
		187	0.69	0.0	0.0	66,0,0	188	0.64	0.0	0.0	64,0,0
146	ok	172	0.48	0.0	0.0	66,0,0	170	0.58	0.0	0.0	66,0,0
		188	0.65	0.0	0.0	62,0,0	189	0.55	0.0	0.0	64,0,0
147	ok	174	0.38	0.0	0.0	62,0,0	172	0.49	0.0	0.0	66,0,0
		189	0.54	0.0	0.0	64,0,0	190	0.44	0.0	0.0	64,0,0
148	ok	176	0.31	0.0	0.0	62,0,0	174	0.38	0.0	0.0	64,0,0
		190	0.44	0.0	0.0	64,0,0	191	0.39	0.0	0.0	68,0,0
149	ok	178	0.27	0.0	0.0	60,0,0	176	0.33	0.0	0.0	68,0,0
		191	0.37	0.0	0.0	64,0,0	192	0.35	0.0	0.0	62,0,0
150	ok	180	0.30	0.0	0.0	62,0,0	178	0.27	0.0	0.0	64,0,0
		192	0.35	0.0	0.0	64,0,0	193	0.37	0.0	0.0	62,0,0
151	ok	182	0.38	0.0	0.0	68,0,0	180	0.32	0.0	0.0	64,0,0
		193	0.38	0.0	0.0	64,0,0	194	0.43	0.0	0.0	68,0,0
152	ok	184	0.48	0.0	0.0	68,0,0	182	0.39	0.0	0.0	64,0,0
		194	0.44	0.0	0.0	64,0,0	195	0.52	0.0	0.0	68,0,0
153	ok	186	0.51	0.0	0.0	64,0,0	184	0.47	0.0	0.0	64,0,0
		195	0.53	0.0	0.0	68,0,0	196	0.58	0.0	0.0	64,0,0
154	ok	17	0.67	0.0	0.0	64,0,0	186	0.53	0.0	0.0	64,0,0
		196	0.58	0.0	0.0	68,0,0	37	0.72	0.0	0.0	64,0,0
155	ok	188	0.51	0.0	0.0	64,0,0	187	0.51	0.0	0.0	64,0,0
		197	0.56	0.0	0.0	64,0,0	198	0.57	0.0	0.0	64,0,0
156	ok	189	0.49	0.0	0.0	64,0,0	188	0.52	0.0	0.0	62,0,0
		198	0.57	0.0	0.0	64,0,0	199	0.56	0.0	0.0	64,0,0
157	ok	190	0.43	0.0	0.0	64,0,0	189	0.48	0.0	0.0	64,0,0
		199	0.56	0.0	0.0	64,0,0	200	0.51	0.0	0.0	64,0,0
158	ok	191	0.39	0.0	0.0	64,0,0	190	0.44	0.0	0.0	64,0,0
		200	0.51	0.0	0.0	64,0,0	201	0.47	0.0	0.0	64,0,0
159	ok	192	0.37	0.0	0.0	64,0,0	191	0.39	0.0	0.0	64,0,0
		201	0.47	0.0	0.0	64,0,0	202	0.45	0.0	0.0	64,0,0
160	ok	193	0.39	0.0	0.0	64,0,0	192	0.38	0.0	0.0	64,0,0
		202	0.45	0.0	0.0	64,0,0	203	0.46	0.0	0.0	62,0,0
161	ok	194	0.44	0.0	0.0	68,0,0	193	0.40	0.0	0.0	64,0,0
		203	0.47	0.0	0.0	64,0,0	204	0.50	0.0	0.0	68,0,0
162	ok	195	0.50	0.0	0.0	68,0,0	194	0.45	0.0	0.0	64,0,0
		204	0.50	0.0	0.0	68,0,0	205	0.54	0.0	0.0	64,0,0
163	ok	196	0.54	0.0	0.0	64,0,0	195	0.50	0.0	0.0	68,0,0
		205	0.55	0.0	0.0	64,0,0	206	0.60	0.0	0.0	68,0,0
164	ok	37	0.53	0.0	0.0	64,0,0	196	0.54	0.0	0.0	68,0,0
		206	0.59	0.0	0.0	64,0,0	48	0.59	0.0	0.0	64,0,0
165	ok	198	0.51	0.0	0.0	64,0,0	197	0.51	0.0	0.0	62,0,0
		207	0.56	0.0	0.0	64,0,0	208	0.56	0.0	0.0	64,0,0
166	ok	199	0.50	0.0	0.0	64,0,0	198	0.51	0.0	0.0	64,0,0
		208	0.56	0.0	0.0	64,0,0	209	0.55	0.0	0.0	64,0,0
167	ok	200	0.47	0.0	0.0	64,0,0	199	0.50	0.0	0.0	64,0,0
		209	0.55	0.0	0.0	64,0,0	210	0.53	0.0	0.0	64,0,0

168	ok	201	0.45	0.0	0.0	64,0,0	200	0.47	0.0	0.0	64,0,0
		210	0.53	0.0	0.0	64,0,0	211	0.51	0.0	0.0	64,0,0
169	ok	202	0.44	0.0	0.0	64,0,0	201	0.45	0.0	0.0	64,0,0
		211	0.51	0.0	0.0	64,0,0	212	0.50	0.0	0.0	64,0,0
170	ok	203	0.45	0.0	0.0	64,0,0	202	0.44	0.0	0.0	64,0,0
		212	0.50	0.0	0.0	64,0,0	213	0.51	0.0	0.0	64,0,0
171	ok	204	0.48	0.0	0.0	64,0,0	203	0.45	0.0	0.0	64,0,0
		213	0.51	0.0	0.0	64,0,0	214	0.53	0.0	0.0	68,0,0
172	ok	205	0.51	0.0	0.0	64,0,0	204	0.48	0.0	0.0	64,0,0
		214	0.53	0.0	0.0	68,0,0	215	0.55	0.0	0.0	68,0,0
173	ok	206	0.53	0.0	0.0	64,0,0	205	0.51	0.0	0.0	64,0,0
		215	0.56	0.0	0.0	68,0,0	216	0.57	0.0	0.0	64,0,0
174	ok	48	0.54	0.0	0.0	64,0,0	206	0.54	0.0	0.0	64,0,0
		216	0.58	0.0	0.0	64,0,0	59	0.58	0.0	0.0	64,0,0
175	ok	208	0.50	0.0	0.0	64,0,0	207	0.50	0.0	0.0	64,0,0
		217	0.53	0.0	0.0	64,0,0	218	0.53	0.0	0.0	64,0,0
176	ok	209	0.49	0.0	0.0	64,0,0	208	0.50	0.0	0.0	64,0,0
		218	0.53	0.0	0.0	64,0,0	219	0.53	0.0	0.0	64,0,0
177	ok	210	0.48	0.0	0.0	64,0,0	209	0.49	0.0	0.0	64,0,0
		219	0.53	0.0	0.0	64,0,0	220	0.52	0.0	0.0	64,0,0
178	ok	211	0.47	0.0	0.0	64,0,0	210	0.48	0.0	0.0	64,0,0
		220	0.52	0.0	0.0	64,0,0	221	0.51	0.0	0.0	64,0,0
179	ok	212	0.46	0.0	0.0	64,0,0	211	0.47	0.0	0.0	64,0,0
		221	0.51	0.0	0.0	64,0,0	222	0.50	0.0	0.0	64,0,0
180	ok	213	0.47	0.0	0.0	64,0,0	212	0.46	0.0	0.0	64,0,0
		222	0.50	0.0	0.0	64,0,0	223	0.51	0.0	0.0	64,0,0
181	ok	214	0.48	0.0	0.0	64,0,0	213	0.47	0.0	0.0	64,0,0
		223	0.51	0.0	0.0	64,0,0	224	0.52	0.0	0.0	64,0,0
182	ok	215	0.50	0.0	0.0	64,0,0	214	0.49	0.0	0.0	68,0,0
		224	0.52	0.0	0.0	68,0,0	225	0.53	0.0	0.0	64,0,0
183	ok	216	0.51	0.0	0.0	64,0,0	215	0.50	0.0	0.0	64,0,0
		225	0.53	0.0	0.0	64,0,0	226	0.54	0.0	0.0	64,0,0
184	ok	59	0.52	0.0	0.0	64,0,0	216	0.52	0.0	0.0	64,0,0
		226	0.55	0.0	0.0	64,0,0	70	0.55	0.0	0.0	64,0,0
185	ok	218	0.47	0.0	0.0	64,0,0	217	0.48	0.0	0.0	64,0,0
		227	0.49	0.0	0.0	64,0,0	228	0.49	0.0	0.0	64,0,0
186	ok	219	0.47	0.0	0.0	64,0,0	218	0.47	0.0	0.0	64,0,0
		228	0.49	0.0	0.0	64,0,0	229	0.49	0.0	0.0	64,0,0
187	ok	220	0.46	0.0	0.0	64,0,0	219	0.47	0.0	0.0	64,0,0
		229	0.49	0.0	0.0	64,0,0	230	0.48	0.0	0.0	64,0,0
188	ok	221	0.45	0.0	0.0	68,0,0	220	0.46	0.0	0.0	68,0,0
		230	0.48	0.0	0.0	68,0,0	231	0.48	0.0	0.0	68,0,0
189	ok	222	0.45	0.0	0.0	64,0,0	221	0.46	0.0	0.0	64,0,0
		231	0.48	0.0	0.0	64,0,0	232	0.47	0.0	0.0	64,0,0
190	ok	223	0.45	0.0	0.0	64,0,0	222	0.45	0.0	0.0	64,0,0
		232	0.47	0.0	0.0	64,0,0	233	0.47	0.0	0.0	64,0,0
191	ok	224	0.46	0.0	0.0	64,0,0	223	0.46	0.0	0.0	64,0,0
		233	0.48	0.0	0.0	64,0,0	234	0.48	0.0	0.0	68,0,0
192	ok	225	0.47	0.0	0.0	64,0,0	224	0.46	0.0	0.0	68,0,0
		234	0.48	0.0	0.0	68,0,0	235	0.49	0.0	0.0	64,0,0
193	ok	226	0.48	0.0	0.0	64,0,0	225	0.48	0.0	0.0	64,0,0
		235	0.49	0.0	0.0	64,0,0	236	0.50	0.0	0.0	64,0,0
194	ok	70	0.49	0.0	0.0	64,0,0	226	0.48	0.0	0.0	64,0,0
		236	0.50	0.0	0.0	64,0,0	81	0.50	0.0	0.0	64,0,0
195	ok	228	0.44	0.0	0.0	44,0,0	227	0.43	0.0	0.0	44,0,0
		237	0.43	0.0	0.0	52,0,0	238	0.44	0.0	0.0	52,0,0
196	ok	229	0.44	0.0	0.0	44,0,0	228	0.44	0.0	0.0	44,0,0
		238	0.44	0.0	0.0	52,0,0	239	0.44	0.0	0.0	48,0,0
197	ok	230	0.43	0.0	0.0	44,0,0	229	0.44	0.0	0.0	52,0,0
		239	0.44	0.0	0.0	52,0,0	240	0.44	0.0	0.0	52,0,0
198	ok	231	0.43	0.0	0.0	52,0,0	230	0.44	0.0	0.0	52,0,0
		240	0.44	0.0	0.0	52,0,0	241	0.43	0.0	0.0	52,0,0
199	ok	232	0.43	0.0	0.0	52,0,0	231	0.43	0.0	0.0	52,0,0
		241	0.43	0.0	0.0	52,0,0	242	0.43	0.0	0.0	52,0,0
200	ok	233	0.42	0.0	0.0	52,0,0	232	0.43	0.0	0.0	52,0,0
		242	0.43	0.0	0.0	52,0,0	243	0.43	0.0	0.0	52,0,0
201	ok	234	0.43	0.0	0.0	52,0,0	233	0.43	0.0	0.0	52,0,0
		243	0.43	0.0	0.0	52,0,0	244	0.43	0.0	0.0	52,0,0
202	ok	235	0.44	0.0	0.0	52,0,0	234	0.43	0.0	0.0	52,0,0
		244	0.43	0.0	0.0	52,0,0	245	0.44	0.0	0.0	52,0,0
203	ok	236	0.45	0.0	0.0	44,0,0	235	0.44	0.0	0.0	44,0,0
		245	0.44	0.0	0.0	52,0,0	246	0.45	0.0	0.0	52,0,0
204	ok	81	0.45	0.0	0.0	44,0,0	236	0.45	0.0	0.0	44,0,0
		246	0.44	0.0	0.0	51,0,0	92	0.45	0.0	0.0	43,0,0
205	ok	238	0.49	0.0	0.0	67,0,0	237	0.49	0.0	0.0	67,0,0
		247	0.47	0.0	0.0	67,0,0	248	0.47	0.0	0.0	67,0,0
206	ok	239	0.48	0.0	0.0	67,0,0	238	0.49	0.0	0.0	67,0,0

		248	0.47	0.0	0.0	67,0,0	249	0.47	0.0	0.0	67,0,0
207	ok	240	0.48	0.0	0.0	63,0,0	239	0.48	0.0	0.0	67,0,0
		249	0.47	0.0	0.0	67,0,0	250	0.46	0.0	0.0	67,0,0
208	ok	241	0.47	0.0	0.0	63,0,0	240	0.48	0.0	0.0	63,0,0
		250	0.46	0.0	0.0	63,0,0	251	0.45	0.0	0.0	63,0,0
209	ok	242	0.47	0.0	0.0	67,0,0	241	0.47	0.0	0.0	67,0,0
		251	0.45	0.0	0.0	67,0,0	252	0.45	0.0	0.0	67,0,0
210	ok	243	0.47	0.0	0.0	67,0,0	242	0.47	0.0	0.0	67,0,0
		252	0.45	0.0	0.0	67,0,0	253	0.45	0.0	0.0	67,0,0
211	ok	244	0.48	0.0	0.0	63,0,0	243	0.47	0.0	0.0	67,0,0
		253	0.45	0.0	0.0	67,0,0	254	0.46	0.0	0.0	67,0,0
212	ok	245	0.48	0.0	0.0	67,0,0	244	0.48	0.0	0.0	63,0,0
		254	0.46	0.0	0.0	63,0,0	255	0.47	0.0	0.0	67,0,0
213	ok	246	0.49	0.0	0.0	67,0,0	245	0.49	0.0	0.0	67,0,0
		255	0.47	0.0	0.0	67,0,0	256	0.48	0.0	0.0	67,0,0
214	ok	92	0.50	0.0	0.0	67,0,0	246	0.49	0.0	0.0	67,0,0
		256	0.48	0.0	0.0	67,0,0	103	0.48	0.0	0.0	67,0,0
215	ok	248	0.53	0.0	0.0	67,0,0	247	0.53	0.0	0.0	67,0,0
		257	0.50	0.0	0.0	67,0,0	258	0.50	0.0	0.0	67,0,0
216	ok	249	0.52	0.0	0.0	67,0,0	248	0.53	0.0	0.0	67,0,0
		258	0.50	0.0	0.0	67,0,0	259	0.49	0.0	0.0	67,0,0
217	ok	250	0.51	0.0	0.0	67,0,0	249	0.52	0.0	0.0	67,0,0
		259	0.49	0.0	0.0	67,0,0	260	0.48	0.0	0.0	67,0,0
218	ok	251	0.50	0.0	0.0	67,0,0	250	0.51	0.0	0.0	67,0,0
		260	0.48	0.0	0.0	67,0,0	261	0.47	0.0	0.0	67,0,0
219	ok	252	0.50	0.0	0.0	67,0,0	251	0.51	0.0	0.0	67,0,0
		261	0.47	0.0	0.0	67,0,0	262	0.46	0.0	0.0	67,0,0
220	ok	253	0.50	0.0	0.0	67,0,0	252	0.50	0.0	0.0	67,0,0
		262	0.46	0.0	0.0	67,0,0	263	0.47	0.0	0.0	67,0,0
221	ok	254	0.51	0.0	0.0	67,0,0	253	0.50	0.0	0.0	67,0,0
		263	0.47	0.0	0.0	67,0,0	264	0.48	0.0	0.0	67,0,0
222	ok	255	0.53	0.0	0.0	67,0,0	254	0.52	0.0	0.0	63,0,0
		264	0.48	0.0	0.0	63,0,0	265	0.50	0.0	0.0	67,0,0
223	ok	256	0.54	0.0	0.0	67,0,0	255	0.53	0.0	0.0	67,0,0
		265	0.50	0.0	0.0	67,0,0	266	0.51	0.0	0.0	67,0,0
224	ok	103	0.54	0.0	0.0	67,0,0	256	0.54	0.0	0.0	67,0,0
		266	0.51	0.0	0.0	67,0,0	114	0.52	0.0	0.0	67,0,0
225	ok	258	0.55	0.0	0.0	67,0,0	257	0.56	0.0	0.0	67,0,0
		267	0.51	0.0	0.0	67,0,0	268	0.51	0.0	0.0	67,0,0
226	ok	259	0.54	0.0	0.0	67,0,0	258	0.55	0.0	0.0	67,0,0
		268	0.51	0.0	0.0	67,0,0	269	0.49	0.0	0.0	67,0,0
227	ok	260	0.53	0.0	0.0	67,0,0	259	0.54	0.0	0.0	67,0,0
		269	0.49	0.0	0.0	67,0,0	270	0.47	0.0	0.0	67,0,0
228	ok	261	0.51	0.0	0.0	67,0,0	260	0.53	0.0	0.0	67,0,0
		270	0.47	0.0	0.0	67,0,0	271	0.45	0.0	0.0	67,0,0
229	ok	262	0.50	0.0	0.0	67,0,0	261	0.51	0.0	0.0	67,0,0
		271	0.45	0.0	0.0	67,0,0	272	0.44	0.0	0.0	67,0,0
230	ok	263	0.51	0.0	0.0	67,0,0	262	0.50	0.0	0.0	67,0,0
		272	0.44	0.0	0.0	67,0,0	273	0.45	0.0	0.0	67,0,0
231	ok	264	0.53	0.0	0.0	63,0,0	263	0.51	0.0	0.0	67,0,0
		273	0.46	0.0	0.0	67,0,0	274	0.48	0.0	0.0	67,0,0
232	ok	265	0.55	0.0	0.0	63,0,0	264	0.53	0.0	0.0	63,0,0
		274	0.48	0.0	0.0	67,0,0	275	0.51	0.0	0.0	67,0,0
233	ok	266	0.57	0.0	0.0	67,0,0	265	0.55	0.0	0.0	63,0,0
		275	0.51	0.0	0.0	67,0,0	276	0.53	0.0	0.0	67,0,0
234	ok	114	0.58	0.0	0.0	67,0,0	266	0.57	0.0	0.0	67,0,0
		276	0.53	0.0	0.0	67,0,0	125	0.54	0.0	0.0	67,0,0
235	ok	268	0.56	0.0	0.0	67,0,0	267	0.57	0.0	0.0	65,0,0
		277	0.52	0.0	0.0	61,0,0	278	0.50	0.0	0.0	61,0,0
236	ok	269	0.55	0.0	0.0	67,0,0	268	0.56	0.0	0.0	67,0,0
		278	0.50	0.0	0.0	67,0,0	279	0.48	0.0	0.0	67,0,0
237	ok	270	0.51	0.0	0.0	67,0,0	269	0.55	0.0	0.0	67,0,0
		279	0.48	0.0	0.0	67,0,0	280	0.44	0.0	0.0	67,0,0
238	ok	271	0.47	0.0	0.0	67,0,0	270	0.51	0.0	0.0	67,0,0
		280	0.44	0.0	0.0	67,0,0	281	0.40	0.0	0.0	67,0,0
239	ok	272	0.45	0.0	0.0	67,0,0	271	0.47	0.0	0.0	67,0,0
		281	0.40	0.0	0.0	67,0,0	282	0.38	0.0	0.0	67,0,0
240	ok	273	0.46	0.0	0.0	67,0,0	272	0.46	0.0	0.0	67,0,0
		282	0.38	0.0	0.0	67,0,0	283	0.40	0.0	0.0	67,0,0
241	ok	274	0.51	0.0	0.0	63,0,0	273	0.47	0.0	0.0	67,0,0
		283	0.41	0.0	0.0	67,0,0	284	0.44	0.0	0.0	63,0,0
242	ok	275	0.55	0.0	0.0	61,0,0	274	0.51	0.0	0.0	63,0,0
		284	0.45	0.0	0.0	67,0,0	285	0.50	0.0	0.0	63,0,0
243	ok	276	0.59	0.0	0.0	63,0,0	275	0.55	0.0	0.0	67,0,0
		285	0.50	0.0	0.0	63,0,0	286	0.53	0.0	0.0	67,0,0
244	ok	125	0.60	0.0	0.0	67,0,0	276	0.58	0.0	0.0	67,0,0
		286	0.54	0.0	0.0	63,0,0	136	0.54	0.0	0.0	67,0,0

245	ok	278	0.65	0.0	0.0	61,0,0	277	0.59	0.0	0.0	65,0,0
		287	0.50	0.0	0.0	67,0,0	288	0.55	0.0	0.0	67,0,0
246	ok	279	0.55	0.0	0.0	67,0,0	278	0.64	0.0	0.0	61,0,0
		288	0.58	0.0	0.0	61,0,0	289	0.48	0.0	0.0	61,0,0
247	ok	280	0.45	0.0	0.0	67,0,0	279	0.54	0.0	0.0	67,0,0
		289	0.49	0.0	0.0	61,0,0	290	0.39	0.0	0.0	65,0,0
248	ok	281	0.40	0.0	0.0	63,0,0	280	0.45	0.0	0.0	67,0,0
		290	0.38	0.0	0.0	67,0,0	291	0.32	0.0	0.0	65,0,0
249	ok	282	0.35	0.0	0.0	65,0,0	281	0.38	0.0	0.0	67,0,0
		291	0.32	0.0	0.0	55,0,0	292	0.27	0.0	0.0	55,0,0
250	ok	283	0.38	0.0	0.0	65,0,0	282	0.36	0.0	0.0	67,0,0
		292	0.28	0.0	0.0	67,0,0	293	0.31	0.0	0.0	61,0,0
251	ok	284	0.43	0.0	0.0	63,0,0	283	0.39	0.0	0.0	67,0,0
		293	0.33	0.0	0.0	67,0,0	294	0.39	0.0	0.0	63,0,0
252	ok	285	0.51	0.0	0.0	63,0,0	284	0.45	0.0	0.0	67,0,0
		294	0.39	0.0	0.0	67,0,0	295	0.47	0.0	0.0	63,0,0
253	ok	286	0.64	0.0	0.0	63,0,0	285	0.51	0.0	0.0	67,0,0
		295	0.48	0.0	0.0	67,0,0	296	0.59	0.0	0.0	67,0,0
254	ok	136	0.62	0.0	0.0	67,0,0	286	0.63	0.0	0.0	67,0,0
		296	0.54	0.0	0.0	67,0,0	147	0.53	0.0	0.0	67,0,0
255	ok	288	0.71	0.0	0.0	67,0,0	287	0.67	0.0	0.0	67,0,0
		3	0.66	0.0	0.0	61,0,0	298	0.66	0.0	0.0	44,0,0
256	ok	289	0.48	0.0	0.0	61,0,0	288	0.69	0.0	0.0	65,0,0
		298	0.67	0.0	0.0	61,0,0	299	0.63	0.0	0.0	39,0,0
257	ok	290	0.39	0.0	0.0	61,0,0	289	0.42	0.0	0.0	61,0,0
		299	0.52	0.0	0.0	61,0,0	300	0.28	0.0	0.0	64,0,0
258	ok	291	0.32	0.0	0.0	57,0,0	290	0.28	0.0	0.0	57,0,0
		300	0.37	0.0	0.0	57,0,0	301	0.20	0.0	0.0	64,0,0
259	ok	292	0.27	0.0	0.0	55,0,0	291	0.25	0.0	0.0	55,0,0
		301	0.31	0.0	0.0	55,0,0	302	0.20	0.0	0.0	61,0,0
260	ok	293	0.25	0.0	0.0	65,0,0	292	0.23	0.0	0.0	61,0,0
		302	0.28	0.0	0.0	47,0,0	303	0.28	0.0	0.0	67,0,0
261	ok	294	0.30	0.0	0.0	67,0,0	293	0.30	0.0	0.0	67,0,0
		303	0.29	0.0	0.0	39,0,0	304	0.36	0.0	0.0	67,0,0
262	ok	295	0.38	0.0	0.0	67,0,0	294	0.38	0.0	0.0	67,0,0
		304	0.30	0.0	0.0	44,0,0	305	0.46	0.0	0.0	67,0,0
263	ok	296	0.51	0.0	0.0	67,0,0	295	0.48	0.0	0.0	63,0,0
		305	0.38	0.0	0.0	39,0,0	306	0.57	0.0	0.0	67,0,0
264	ok	147	0.66	0.0	0.0	65,0,0	296	0.51	0.0	0.0	67,0,0
		306	0.67	0.0	0.0	41,0,0	1	0.65	0.0	0.0	67,0,0
265	ok	339	0.55	0.0	0.0	55,0,0	328	0.59	0.0	0.0	59,0,0
		394	0.52	0.0	0.0	55,0,0	340	0.46	0.0	0.0	55,0,0
266	ok	350	0.50	0.0	0.0	63,0,0	339	0.54	0.0	0.0	55,0,0
		340	0.47	0.0	0.0	55,0,0	341	0.42	0.0	0.0	55,0,0
267	ok	361	0.48	0.0	0.0	61,0,0	350	0.50	0.0	0.0	63,0,0
		341	0.42	0.0	0.0	63,0,0	395	0.40	0.0	0.0	61,0,0
268	ok	313	0.55	0.0	0.0	56,0,0	7	0.66	0.0	0.0	66,0,0
		312	0.65	0.0	0.0	54,0,0	314	0.43	0.0	0.0	58,0,0
269	ok	315	0.25	0.0	0.0	55,0,0	313	0.47	0.0	0.0	54,0,0
		314	0.39	0.0	0.0	54,0,0	316	0.38	0.0	0.0	54,0,0
270	ok	317	0.23	0.0	0.0	57,0,0	315	0.36	0.0	0.0	60,0,0
		316	0.31	0.0	0.0	60,0,0	318	0.29	0.0	0.0	60,0,0
271	ok	319	0.20	0.0	0.0	57,0,0	317	0.28	0.0	0.0	60,0,0
		318	0.25	0.0	0.0	60,0,0	320	0.24	0.0	0.0	60,0,0
272	ok	321	0.26	0.0	0.0	64,0,0	319	0.20	0.0	0.0	48,0,0
		320	0.24	0.0	0.0	66,0,0	322	0.24	0.0	0.0	66,0,0
273	ok	323	0.36	0.0	0.0	64,0,0	321	0.22	0.0	0.0	61,0,0
		322	0.31	0.0	0.0	64,0,0	324	0.31	0.0	0.0	64,0,0
274	ok	325	0.58	0.0	0.0	64,0,0	323	0.41	0.0	0.0	45,0,0
		324	0.37	0.0	0.0	64,0,0	326	0.55	0.0	0.0	68,0,0
275	ok	9	0.68	0.0	0.0	45,0,0	325	0.70	0.0	0.0	45,0,0
		326	0.65	0.0	0.0	48,0,0					
276	ok	169	0.68	0.0	0.0	64,0,0	9	0.68	0.0	0.0	64,0,0
		326	0.66	0.0	0.0	64,0,0					
277	ok	372	0.50	0.0	0.0	61,0,0	361	0.48	0.0	0.0	67,0,0
		395	0.40	0.0	0.0	65,0,0	396	0.43	0.0	0.0	61,0,0
278	ok	383	0.54	0.0	0.0	61,0,0	372	0.50	0.0	0.0	61,0,0
		396	0.43	0.0	0.0	61,0,0	407	0.47	0.0	0.0	61,0,0
279	ok	314	0.46	0.0	0.0	54,0,0	312	0.63	0.0	0.0	54,0,0
		331	0.63	0.0	0.0	54,0,0	332	0.62	0.0	0.0	54,0,0
280	ok	316	0.39	0.0	0.0	54,0,0	314	0.54	0.0	0.0	58,0,0
		332	0.59	0.0	0.0	58,0,0	333	0.47	0.0	0.0	60,0,0
281	ok	318	0.32	0.0	0.0	60,0,0	316	0.41	0.0	0.0	60,0,0
		333	0.47	0.0	0.0	60,0,0	334	0.40	0.0	0.0	60,0,0
282	ok	320	0.28	0.0	0.0	60,0,0	318	0.33	0.0	0.0	60,0,0
		334	0.40	0.0	0.0	60,0,0	335	0.37	0.0	0.0	68,0,0
283	ok	322	0.32	0.0	0.0	66,0,0	320	0.29	0.0	0.0	66,0,0

		335	0.37	0.0	0.0	66,0,0	336	0.40	0.0	0.0	66,0,0
284	ok	324	0.42	0.0	0.0	64,0,0	322	0.33	0.0	0.0	64,0,0
		336	0.41	0.0	0.0	66,0,0	337	0.48	0.0	0.0	66,0,0
285	ok	326	0.46	0.0	0.0	64,0,0	324	0.41	0.0	0.0	64,0,0
		337	0.49	0.0	0.0	64,0,0	338	0.53	0.0	0.0	64,0,0
286	ok	169	0.61	0.0	0.0	64,0,0	326	0.47	0.0	0.0	64,0,0
		338	0.53	0.0	0.0	64,0,0	187	0.70	0.0	0.0	66,0,0
287	ok	384	0.57	0.0	0.0	61,0,0	383	0.54	0.0	0.0	61,0,0
		407	0.47	0.0	0.0	61,0,0	307	0.50	0.0	0.0	61,0,0
288	ok	267	0.57	0.0	0.0	67,0,0	384	0.57	0.0	0.0	61,0,0
		307	0.50	0.0	0.0	61,0,0	277	0.51	0.0	0.0	67,0,0
289	ok	332	0.50	0.0	0.0	60,0,0	331	0.56	0.0	0.0	54,0,0
		342	0.57	0.0	0.0	54,0,0	343	0.61	0.0	0.0	60,0,0
290	ok	333	0.46	0.0	0.0	60,0,0	332	0.52	0.0	0.0	60,0,0
		343	0.59	0.0	0.0	56,0,0	344	0.54	0.0	0.0	60,0,0
291	ok	334	0.42	0.0	0.0	60,0,0	333	0.47	0.0	0.0	60,0,0
		344	0.54	0.0	0.0	60,0,0	345	0.49	0.0	0.0	68,0,0
292	ok	335	0.40	0.0	0.0	66,0,0	334	0.42	0.0	0.0	60,0,0
		345	0.49	0.0	0.0	68,0,0	346	0.48	0.0	0.0	66,0,0
293	ok	336	0.42	0.0	0.0	66,0,0	335	0.40	0.0	0.0	66,0,0
		346	0.48	0.0	0.0	64,0,0	347	0.50	0.0	0.0	66,0,0
294	ok	337	0.46	0.0	0.0	66,0,0	336	0.42	0.0	0.0	66,0,0
		347	0.50	0.0	0.0	66,0,0	348	0.53	0.0	0.0	66,0,0
295	ok	338	0.50	0.0	0.0	64,0,0	337	0.46	0.0	0.0	64,0,0
		348	0.54	0.0	0.0	66,0,0	349	0.57	0.0	0.0	66,0,0
296	ok	187	0.50	0.0	0.0	64,0,0	338	0.51	0.0	0.0	66,0,0
		349	0.58	0.0	0.0	66,0,0	197	0.57	0.0	0.0	64,0,0
297	ok	363	0.25	0.0	0.0	61,0,0	362	0.25	0.0	0.0	61,0,0
		309	0.20	0.0	0.0	39,0,0	310	0.26	0.0	0.0	67,0,0
298	ok	373	0.31	0.0	0.0	67,0,0	363	0.31	0.0	0.0	67,0,0
		310	0.21	0.0	0.0	66,0,0	385	0.36	0.0	0.0	67,0,0
299	ok	343	0.50	0.0	0.0	60,0,0	342	0.55	0.0	0.0	54,0,0
		353	0.55	0.0	0.0	60,0,0	354	0.58	0.0	0.0	56,0,0
300	ok	344	0.49	0.0	0.0	60,0,0	343	0.52	0.0	0.0	60,0,0
		354	0.56	0.0	0.0	56,0,0	355	0.55	0.0	0.0	60,0,0
301	ok	345	0.47	0.0	0.0	66,0,0	344	0.49	0.0	0.0	60,0,0
		355	0.55	0.0	0.0	60,0,0	356	0.53	0.0	0.0	66,0,0
302	ok	346	0.46	0.0	0.0	66,0,0	345	0.47	0.0	0.0	60,0,0
		356	0.53	0.0	0.0	64,0,0	357	0.52	0.0	0.0	66,0,0
303	ok	347	0.47	0.0	0.0	66,0,0	346	0.46	0.0	0.0	66,0,0
		357	0.52	0.0	0.0	66,0,0	358	0.53	0.0	0.0	66,0,0
304	ok	348	0.49	0.0	0.0	66,0,0	347	0.47	0.0	0.0	66,0,0
		358	0.53	0.0	0.0	66,0,0	359	0.55	0.0	0.0	66,0,0
305	ok	349	0.51	0.0	0.0	66,0,0	348	0.49	0.0	0.0	66,0,0
		359	0.55	0.0	0.0	66,0,0	360	0.56	0.0	0.0	66,0,0
306	ok	197	0.51	0.0	0.0	64,0,0	349	0.51	0.0	0.0	66,0,0
		360	0.56	0.0	0.0	66,0,0	207	0.56	0.0	0.0	64,0,0
307	ok	394	0.62	0.0	0.0	57,0,0	297	0.62	0.0	0.0	57,0,0
		329	0.62	0.0	0.0	57,0,0	330	0.46	0.0	0.0	57,0,0
308	ok	340	0.48	0.0	0.0	55,0,0	394	0.59	0.0	0.0	53,0,0
		330	0.54	0.0	0.0	53,0,0	351	0.40	0.0	0.0	57,0,0
309	ok	354	0.49	0.0	0.0	56,0,0	353	0.52	0.0	0.0	60,0,0
		364	0.53	0.0	0.0	56,0,0	365	0.54	0.0	0.0	56,0,0
310	ok	355	0.49	0.0	0.0	60,0,0	354	0.50	0.0	0.0	60,0,0
		365	0.53	0.0	0.0	56,0,0	366	0.53	0.0	0.0	60,0,0
311	ok	356	0.48	0.0	0.0	66,0,0	355	0.49	0.0	0.0	60,0,0
		366	0.53	0.0	0.0	56,0,0	367	0.52	0.0	0.0	66,0,0
312	ok	357	0.48	0.0	0.0	66,0,0	356	0.48	0.0	0.0	64,0,0
		367	0.52	0.0	0.0	64,0,0	368	0.52	0.0	0.0	66,0,0
313	ok	358	0.48	0.0	0.0	66,0,0	357	0.48	0.0	0.0	66,0,0
		368	0.52	0.0	0.0	66,0,0	369	0.52	0.0	0.0	66,0,0
314	ok	359	0.49	0.0	0.0	66,0,0	358	0.48	0.0	0.0	66,0,0
		369	0.52	0.0	0.0	66,0,0	370	0.53	0.0	0.0	66,0,0
315	ok	360	0.50	0.0	0.0	66,0,0	359	0.49	0.0	0.0	66,0,0
		370	0.53	0.0	0.0	66,0,0	371	0.53	0.0	0.0	66,0,0
316	ok	207	0.50	0.0	0.0	64,0,0	360	0.50	0.0	0.0	66,0,0
		371	0.53	0.0	0.0	66,0,0	217	0.53	0.0	0.0	64,0,0
317	ok	341	0.41	0.0	0.0	55,0,0	340	0.48	0.0	0.0	55,0,0
		351	0.41	0.0	0.0	55,0,0	352	0.33	0.0	0.0	55,0,0
318	ok	395	0.38	0.0	0.0	63,0,0	341	0.41	0.0	0.0	55,0,0
		352	0.33	0.0	0.0	55,0,0	362	0.29	0.0	0.0	55,0,0
319	ok	365	0.47	0.0	0.0	56,0,0	364	0.48	0.0	0.0	56,0,0
		375	0.49	0.0	0.0	56,0,0	376	0.49	0.0	0.0	56,0,0
320	ok	366	0.47	0.0	0.0	60,0,0	365	0.47	0.0	0.0	56,0,0
		376	0.49	0.0	0.0	56,0,0	377	0.49	0.0	0.0	56,0,0
321	ok	367	0.46	0.0	0.0	66,0,0	366	0.47	0.0	0.0	56,0,0
		377	0.48	0.0	0.0	56,0,0	378	0.48	0.0	0.0	66,0,0

322	ok	368	0.46	0.0	0.0	66,0,0	367	0.46	0.0	0.0	66,0,0
		378	0.48	0.0	0.0	66,0,0	379	0.48	0.0	0.0	66,0,0
323	ok	369	0.47	0.0	0.0	66,0,0	368	0.46	0.0	0.0	66,0,0
		379	0.48	0.0	0.0	66,0,0	380	0.49	0.0	0.0	66,0,0
324	ok	370	0.47	0.0	0.0	66,0,0	369	0.47	0.0	0.0	62,0,0
		380	0.49	0.0	0.0	66,0,0	381	0.49	0.0	0.0	66,0,0
325	ok	371	0.47	0.0	0.0	66,0,0	370	0.47	0.0	0.0	66,0,0
		381	0.49	0.0	0.0	66,0,0	382	0.49	0.0	0.0	66,0,0
326	ok	217	0.47	0.0	0.0	64,0,0	371	0.47	0.0	0.0	66,0,0
		382	0.49	0.0	0.0	66,0,0	227	0.49	0.0	0.0	64,0,0
327	ok	396	0.41	0.0	0.0	61,0,0	395	0.38	0.0	0.0	61,0,0
		362	0.30	0.0	0.0	61,0,0	363	0.33	0.0	0.0	61,0,0
328	ok	407	0.48	0.0	0.0	61,0,0	396	0.42	0.0	0.0	61,0,0
		363	0.33	0.0	0.0	67,0,0	373	0.40	0.0	0.0	61,0,0
329	ok	376	0.42	0.0	0.0	56,0,0	375	0.43	0.0	0.0	40,0,0
		386	0.43	0.0	0.0	40,0,0	387	0.43	0.0	0.0	56,0,0
330	ok	377	0.42	0.0	0.0	56,0,0	376	0.42	0.0	0.0	40,0,0
		387	0.43	0.0	0.0	56,0,0	388	0.42	0.0	0.0	56,0,0
331	ok	378	0.42	0.0	0.0	58,0,0	377	0.42	0.0	0.0	40,0,0
		388	0.42	0.0	0.0	68,0,0	389	0.42	0.0	0.0	58,0,0
332	ok	379	0.43	0.0	0.0	46,0,0	378	0.42	0.0	0.0	58,0,0
		389	0.42	0.0	0.0	62,0,0	390	0.43	0.0	0.0	46,0,0
333	ok	380	0.43	0.0	0.0	46,0,0	379	0.42	0.0	0.0	42,0,0
		390	0.42	0.0	0.0	50,0,0	391	0.43	0.0	0.0	50,0,0
334	ok	381	0.43	0.0	0.0	42,0,0	380	0.43	0.0	0.0	42,0,0
		391	0.43	0.0	0.0	50,0,0	392	0.43	0.0	0.0	50,0,0
335	ok	382	0.43	0.0	0.0	58,0,0	381	0.43	0.0	0.0	42,0,0
		392	0.43	0.0	0.0	50,0,0	393	0.43	0.0	0.0	66,0,0
336	ok	227	0.44	0.0	0.0	44,0,0	382	0.43	0.0	0.0	38,0,0
		393	0.43	0.0	0.0	62,0,0	237	0.44	0.0	0.0	44,0,0
337	ok	307	0.59	0.0	0.0	67,0,0	407	0.48	0.0	0.0	61,0,0
		373	0.41	0.0	0.0	67,0,0	374	0.54	0.0	0.0	67,0,0
338	ok	277	0.58	0.0	0.0	67,0,0	307	0.60	0.0	0.0	61,0,0
		374	0.50	0.0	0.0	61,0,0	287	0.49	0.0	0.0	67,0,0
339	ok	387	0.49	0.0	0.0	59,0,0	386	0.48	0.0	0.0	59,0,0
		397	0.48	0.0	0.0	59,0,0	398	0.46	0.0	0.0	59,0,0
340	ok	388	0.48	0.0	0.0	59,0,0	387	0.48	0.0	0.0	59,0,0
		398	0.47	0.0	0.0	59,0,0	399	0.46	0.0	0.0	59,0,0
341	ok	389	0.48	0.0	0.0	61,0,0	388	0.48	0.0	0.0	59,0,0
		399	0.46	0.0	0.0	59,0,0	400	0.46	0.0	0.0	61,0,0
342	ok	390	0.48	0.0	0.0	61,0,0	389	0.48	0.0	0.0	61,0,0
		400	0.46	0.0	0.0	61,0,0	401	0.46	0.0	0.0	61,0,0
343	ok	391	0.48	0.0	0.0	61,0,0	390	0.48	0.0	0.0	61,0,0
		401	0.46	0.0	0.0	61,0,0	402	0.46	0.0	0.0	61,0,0
344	ok	392	0.49	0.0	0.0	61,0,0	391	0.48	0.0	0.0	61,0,0
		402	0.46	0.0	0.0	65,0,0	403	0.47	0.0	0.0	61,0,0
345	ok	393	0.49	0.0	0.0	61,0,0	392	0.49	0.0	0.0	61,0,0
		403	0.47	0.0	0.0	61,0,0	404	0.47	0.0	0.0	61,0,0
346	ok	237	0.49	0.0	0.0	67,0,0	393	0.49	0.0	0.0	61,0,0
		404	0.47	0.0	0.0	61,0,0	247	0.47	0.0	0.0	67,0,0
347	ok	374	0.45	0.0	0.0	67,0,0	373	0.41	0.0	0.0	63,0,0
		385	0.39	0.0	0.0	38,0,0	406	0.51	0.0	0.0	63,0,0
348	ok	287	0.67	0.0	0.0	65,0,0	374	0.48	0.0	0.0	67,0,0
		406	0.70	0.0	0.0	41,0,0	3	0.66	0.0	0.0	67,0,0
349	ok	398	0.54	0.0	0.0	59,0,0	397	0.53	0.0	0.0	59,0,0
		408	0.52	0.0	0.0	55,0,0	409	0.49	0.0	0.0	59,0,0
350	ok	399	0.53	0.0	0.0	55,0,0	398	0.53	0.0	0.0	59,0,0
		409	0.50	0.0	0.0	55,0,0	410	0.49	0.0	0.0	55,0,0
351	ok	400	0.52	0.0	0.0	61,0,0	399	0.52	0.0	0.0	59,0,0
		410	0.49	0.0	0.0	55,0,0	411	0.48	0.0	0.0	61,0,0
352	ok	401	0.52	0.0	0.0	61,0,0	400	0.52	0.0	0.0	67,0,0
		411	0.48	0.0	0.0	67,0,0	412	0.48	0.0	0.0	61,0,0
353	ok	402	0.52	0.0	0.0	61,0,0	401	0.52	0.0	0.0	61,0,0
		412	0.48	0.0	0.0	61,0,0	413	0.48	0.0	0.0	61,0,0
354	ok	403	0.53	0.0	0.0	61,0,0	402	0.52	0.0	0.0	61,0,0
		413	0.48	0.0	0.0	61,0,0	414	0.49	0.0	0.0	61,0,0
355	ok	404	0.53	0.0	0.0	61,0,0	403	0.53	0.0	0.0	61,0,0
		414	0.49	0.0	0.0	61,0,0	168	0.50	0.0	0.0	61,0,0
356	ok	247	0.53	0.0	0.0	67,0,0	404	0.53	0.0	0.0	61,0,0
		168	0.50	0.0	0.0	61,0,0	257	0.50	0.0	0.0	67,0,0
357	ok	330	0.44	0.0	0.0	53,0,0	329	0.65	0.0	0.0	57,0,0
		5	0.66	0.0	0.0	61,0,0	308	0.54	0.0	0.0	59,0,0
358	ok	351	0.38	0.0	0.0	57,0,0	330	0.40	0.0	0.0	57,0,0
		308	0.47	0.0	0.0	57,0,0	311	0.25	0.0	0.0	60,0,0
359	ok	409	0.58	0.0	0.0	59,0,0	408	0.55	0.0	0.0	55,0,0
		327	0.55	0.0	0.0	57,0,0	328	0.50	0.0	0.0	55,0,0
360	ok	410	0.55	0.0	0.0	55,0,0	409	0.56	0.0	0.0	59,0,0

		328	0.52	0.0	0.0	55,0,0	339	0.49	0.0	0.0	55,0,0
361	ok	411	0.53	0.0	0.0	61,0,0	410	0.55	0.0	0.0	55,0,0
		339	0.49	0.0	0.0	55,0,0	350	0.47	0.0	0.0	61,0,0
362	ok	412	0.52	0.0	0.0	61,0,0	411	0.53	0.0	0.0	67,0,0
		350	0.47	0.0	0.0	55,0,0	361	0.46	0.0	0.0	61,0,0
363	ok	413	0.53	0.0	0.0	61,0,0	412	0.52	0.0	0.0	61,0,0
		361	0.46	0.0	0.0	61,0,0	372	0.47	0.0	0.0	61,0,0
364	ok	414	0.55	0.0	0.0	61,0,0	413	0.53	0.0	0.0	61,0,0
		372	0.47	0.0	0.0	61,0,0	383	0.49	0.0	0.0	61,0,0
365	ok	168	0.55	0.0	0.0	61,0,0	414	0.55	0.0	0.0	61,0,0
		383	0.49	0.0	0.0	61,0,0	384	0.50	0.0	0.0	61,0,0
366	ok	257	0.56	0.0	0.0	67,0,0	168	0.56	0.0	0.0	61,0,0
		384	0.51	0.0	0.0	61,0,0	267	0.51	0.0	0.0	67,0,0
367	ok	352	0.30	0.0	0.0	55,0,0	351	0.32	0.0	0.0	55,0,0
		311	0.36	0.0	0.0	55,0,0	405	0.22	0.0	0.0	54,0,0
368	ok	362	0.24	0.0	0.0	55,0,0	352	0.26	0.0	0.0	55,0,0
		405	0.27	0.0	0.0	55,0,0	309	0.20	0.0	0.0	54,0,0
369	ok	328	0.61	0.0	0.0	55,0,0	327	0.57	0.0	0.0	57,0,0
		297	0.56	0.0	0.0	57,0,0	394	0.50	0.0	0.0	55,0,0
370	ok	428	0.52	0.0	0.0	55,0,0	429	0.55	0.0	0.0	55,0,0
		430	0.48	0.0	0.0	55,0,0	431	0.45	0.0	0.0	55,0,0
371	ok	432	0.49	0.0	0.0	55,0,0	428	0.52	0.0	0.0	55,0,0
		431	0.45	0.0	0.0	55,0,0	433	0.41	0.0	0.0	55,0,0
372	ok	434	0.48	0.0	0.0	55,0,0	432	0.49	0.0	0.0	55,0,0
		433	0.41	0.0	0.0	55,0,0	435	0.40	0.0	0.0	55,0,0
373	ok	436	0.66	0.0	0.0	51,0,0	420	0.65	0.0	0.0	54,0,0
		438	0.67	0.0	0.0	54,0,0	439	0.38	0.0	0.0	54,0,0
374	ok	440	0.30	0.0	0.0	45,0,0	436	0.45	0.0	0.0	50,0,0
		439	0.38	0.0	0.0	54,0,0	441	0.40	0.0	0.0	50,0,0
375	ok	442	0.26	0.0	0.0	50,0,0	440	0.35	0.0	0.0	54,0,0
		441	0.28	0.0	0.0	54,0,0	443	0.29	0.0	0.0	45,0,0
376	ok	444	0.27	0.0	0.0	50,0,0	442	0.24	0.0	0.0	60,0,0
		443	0.23	0.0	0.0	60,0,0	445	0.23	0.0	0.0	66,0,0
377	ok	446	0.33	0.0	0.0	66,0,0	444	0.19	0.0	0.0	67,0,0
		445	0.27	0.0	0.0	66,0,0	447	0.27	0.0	0.0	66,0,0
378	ok	448	0.40	0.0	0.0	64,0,0	446	0.21	0.0	0.0	67,0,0
		447	0.33	0.0	0.0	66,0,0	449	0.33	0.0	0.0	66,0,0
379	ok	450	0.52	0.0	0.0	60,0,0	448	0.25	0.0	0.0	50,0,0
		449	0.40	0.0	0.0	64,0,0	451	0.43	0.0	0.0	60,0,0
380	ok	452	0.23	0.0	0.0	61,0,0	453	0.23	0.0	0.0	55,0,0
		454	0.24	0.0	0.0	55,0,0	455	0.27	0.0	0.0	41,0,0
381	ok	429	0.55	0.0	0.0	55,0,0	456	0.55	0.0	0.0	57,0,0
		457	0.49	0.0	0.0	57,0,0	430	0.49	0.0	0.0	55,0,0
382	ok	458	0.50	0.0	0.0	57,0,0	434	0.48	0.0	0.0	55,0,0
		435	0.41	0.0	0.0	55,0,0	459	0.43	0.0	0.0	53,0,0
383	ok	460	0.55	0.0	0.0	57,0,0	458	0.50	0.0	0.0	55,0,0
		459	0.43	0.0	0.0	59,0,0	461	0.48	0.0	0.0	57,0,0
384	ok	439	0.47	0.0	0.0	54,0,0	438	0.49	0.0	0.0	54,0,0
		462	0.59	0.0	0.0	54,0,0	463	0.56	0.0	0.0	60,0,0
385	ok	441	0.38	0.0	0.0	58,0,0	439	0.50	0.0	0.0	54,0,0
		463	0.55	0.0	0.0	54,0,0	464	0.45	0.0	0.0	60,0,0
386	ok	443	0.31	0.0	0.0	54,0,0	441	0.38	0.0	0.0	60,0,0
		464	0.44	0.0	0.0	60,0,0	465	0.39	0.0	0.0	56,0,0
387	ok	445	0.29	0.0	0.0	66,0,0	443	0.31	0.0	0.0	60,0,0
		465	0.39	0.0	0.0	60,0,0	466	0.37	0.0	0.0	54,0,0
388	ok	447	0.35	0.0	0.0	66,0,0	445	0.29	0.0	0.0	66,0,0
		466	0.37	0.0	0.0	58,0,0	467	0.41	0.0	0.0	66,0,0
389	ok	449	0.43	0.0	0.0	66,0,0	447	0.34	0.0	0.0	66,0,0
		467	0.41	0.0	0.0	66,0,0	468	0.48	0.0	0.0	66,0,0
390	ok	451	0.56	0.0	0.0	60,0,0	449	0.41	0.0	0.0	68,0,0
		468	0.48	0.0	0.0	54,0,0	469	0.61	0.0	0.0	60,0,0
391	ok	312	0.63	0.0	0.0	60,0,0	451	0.49	0.0	0.0	60,0,0
		469	0.65	0.0	0.0	60,0,0	331	0.63	0.0	0.0	60,0,0
392	ok	470	0.59	0.0	0.0	57,0,0	460	0.55	0.0	0.0	57,0,0
		461	0.47	0.0	0.0	57,0,0	471	0.52	0.0	0.0	55,0,0
393	ok	327	0.57	0.0	0.0	55,0,0	470	0.61	0.0	0.0	57,0,0
		471	0.51	0.0	0.0	57,0,0	297	0.56	0.0	0.0	55,0,0
394	ok	463	0.48	0.0	0.0	60,0,0	462	0.49	0.0	0.0	54,0,0
		472	0.55	0.0	0.0	54,0,0	473	0.55	0.0	0.0	60,0,0
395	ok	464	0.44	0.0	0.0	60,0,0	463	0.48	0.0	0.0	60,0,0
		473	0.55	0.0	0.0	60,0,0	474	0.52	0.0	0.0	60,0,0
396	ok	465	0.41	0.0	0.0	60,0,0	464	0.45	0.0	0.0	60,0,0
		474	0.52	0.0	0.0	60,0,0	475	0.48	0.0	0.0	60,0,0
397	ok	466	0.40	0.0	0.0	60,0,0	465	0.41	0.0	0.0	60,0,0
		475	0.48	0.0	0.0	60,0,0	476	0.47	0.0	0.0	60,0,0
398	ok	467	0.43	0.0	0.0	58,0,0	466	0.40	0.0	0.0	60,0,0
		476	0.47	0.0	0.0	60,0,0	477	0.49	0.0	0.0	54,0,0

399	ok	468	0.48	0.0	0.0	58,0,0	467	0.42	0.0	0.0	56,0,0
		477	0.50	0.0	0.0	60,0,0	478	0.55	0.0	0.0	54,0,0
400	ok	469	0.52	0.0	0.0	60,0,0	468	0.47	0.0	0.0	58,0,0
		478	0.55	0.0	0.0	54,0,0	479	0.59	0.0	0.0	54,0,0
401	ok	331	0.57	0.0	0.0	60,0,0	469	0.51	0.0	0.0	54,0,0
		479	0.62	0.0	0.0	54,0,0	342	0.57	0.0	0.0	60,0,0
402	ok	480	0.28	0.0	0.0	61,0,0	452	0.28	0.0	0.0	61,0,0
		455	0.19	0.0	0.0	64,0,0	481	0.32	0.0	0.0	61,0,0
403	ok	482	0.34	0.0	0.0	61,0,0	480	0.33	0.0	0.0	61,0,0
		481	0.21	0.0	0.0	64,0,0	483	0.40	0.0	0.0	67,0,0
404	ok	473	0.49	0.0	0.0	60,0,0	472	0.50	0.0	0.0	54,0,0
		484	0.54	0.0	0.0	58,0,0	485	0.54	0.0	0.0	60,0,0
405	ok	474	0.48	0.0	0.0	60,0,0	473	0.49	0.0	0.0	60,0,0
		485	0.54	0.0	0.0	60,0,0	486	0.53	0.0	0.0	60,0,0
406	ok	475	0.46	0.0	0.0	60,0,0	474	0.48	0.0	0.0	60,0,0
		486	0.53	0.0	0.0	60,0,0	487	0.52	0.0	0.0	60,0,0
407	ok	476	0.46	0.0	0.0	60,0,0	475	0.46	0.0	0.0	60,0,0
		487	0.52	0.0	0.0	60,0,0	488	0.52	0.0	0.0	60,0,0
408	ok	477	0.47	0.0	0.0	54,0,0	476	0.46	0.0	0.0	60,0,0
		488	0.52	0.0	0.0	60,0,0	489	0.53	0.0	0.0	54,0,0
409	ok	478	0.49	0.0	0.0	54,0,0	477	0.47	0.0	0.0	60,0,0
		489	0.53	0.0	0.0	60,0,0	490	0.55	0.0	0.0	54,0,0
410	ok	479	0.52	0.0	0.0	54,0,0	478	0.49	0.0	0.0	54,0,0
		490	0.55	0.0	0.0	54,0,0	491	0.56	0.0	0.0	54,0,0
411	ok	342	0.55	0.0	0.0	60,0,0	479	0.50	0.0	0.0	54,0,0
		491	0.58	0.0	0.0	54,0,0	353	0.55	0.0	0.0	60,0,0
412	ok	430	0.56	0.0	0.0	55,0,0	457	0.57	0.0	0.0	57,0,0
		492	0.48	0.0	0.0	57,0,0	493	0.47	0.0	0.0	57,0,0
413	ok	431	0.45	0.0	0.0	55,0,0	430	0.55	0.0	0.0	55,0,0
		493	0.50	0.0	0.0	57,0,0	494	0.40	0.0	0.0	53,0,0
414	ok	485	0.48	0.0	0.0	60,0,0	484	0.48	0.0	0.0	58,0,0
		495	0.52	0.0	0.0	58,0,0	496	0.52	0.0	0.0	60,0,0
415	ok	486	0.48	0.0	0.0	60,0,0	485	0.48	0.0	0.0	60,0,0
		496	0.51	0.0	0.0	60,0,0	497	0.51	0.0	0.0	60,0,0
416	ok	487	0.47	0.0	0.0	60,0,0	486	0.48	0.0	0.0	60,0,0
		497	0.51	0.0	0.0	60,0,0	498	0.51	0.0	0.0	60,0,0
417	ok	488	0.47	0.0	0.0	60,0,0	487	0.47	0.0	0.0	60,0,0
		498	0.51	0.0	0.0	60,0,0	499	0.51	0.0	0.0	60,0,0
418	ok	489	0.48	0.0	0.0	60,0,0	488	0.47	0.0	0.0	60,0,0
		499	0.51	0.0	0.0	60,0,0	500	0.52	0.0	0.0	60,0,0
419	ok	490	0.49	0.0	0.0	56,0,0	489	0.48	0.0	0.0	60,0,0
		500	0.52	0.0	0.0	60,0,0	501	0.52	0.0	0.0	54,0,0
420	ok	491	0.50	0.0	0.0	60,0,0	490	0.49	0.0	0.0	60,0,0
		501	0.53	0.0	0.0	56,0,0	502	0.53	0.0	0.0	58,0,0
421	ok	353	0.52	0.0	0.0	60,0,0	491	0.49	0.0	0.0	60,0,0
		502	0.54	0.0	0.0	58,0,0	364	0.53	0.0	0.0	60,0,0
422	ok	433	0.40	0.0	0.0	59,0,0	431	0.45	0.0	0.0	55,0,0
		494	0.39	0.0	0.0	55,0,0	453	0.32	0.0	0.0	57,0,0
423	ok	435	0.38	0.0	0.0	59,0,0	433	0.39	0.0	0.0	55,0,0
		453	0.32	0.0	0.0	55,0,0	452	0.30	0.0	0.0	61,0,0
424	ok	496	0.46	0.0	0.0	60,0,0	495	0.45	0.0	0.0	56,0,0
		503	0.47	0.0	0.0	60,0,0	504	0.47	0.0	0.0	60,0,0
425	ok	497	0.45	0.0	0.0	60,0,0	496	0.45	0.0	0.0	60,0,0
		504	0.47	0.0	0.0	60,0,0	505	0.47	0.0	0.0	56,0,0
426	ok	498	0.45	0.0	0.0	60,0,0	497	0.45	0.0	0.0	56,0,0
		505	0.47	0.0	0.0	60,0,0	506	0.47	0.0	0.0	60,0,0
427	ok	499	0.45	0.0	0.0	60,0,0	498	0.45	0.0	0.0	60,0,0
		506	0.47	0.0	0.0	60,0,0	507	0.47	0.0	0.0	60,0,0
428	ok	500	0.46	0.0	0.0	60,0,0	499	0.45	0.0	0.0	60,0,0
		507	0.47	0.0	0.0	60,0,0	508	0.48	0.0	0.0	60,0,0
429	ok	501	0.46	0.0	0.0	60,0,0	500	0.46	0.0	0.0	60,0,0
		508	0.48	0.0	0.0	60,0,0	509	0.48	0.0	0.0	60,0,0
430	ok	502	0.47	0.0	0.0	60,0,0	501	0.46	0.0	0.0	60,0,0
		509	0.48	0.0	0.0	60,0,0	510	0.49	0.0	0.0	56,0,0
431	ok	364	0.48	0.0	0.0	56,0,0	502	0.47	0.0	0.0	60,0,0
		510	0.49	0.0	0.0	56,0,0	375	0.49	0.0	0.0	56,0,0
432	ok	459	0.41	0.0	0.0	61,0,0	435	0.38	0.0	0.0	55,0,0
		452	0.30	0.0	0.0	61,0,0	480	0.35	0.0	0.0	61,0,0
433	ok	461	0.49	0.0	0.0	61,0,0	459	0.41	0.0	0.0	61,0,0
		480	0.34	0.0	0.0	61,0,0	482	0.43	0.0	0.0	61,0,0
434	ok	504	0.41	0.0	0.0	39,0,0	503	0.41	0.0	0.0	68,0,0
		511	0.41	0.0	0.0	56,0,0	512	0.42	0.0	0.0	40,0,0
435	ok	505	0.42	0.0	0.0	40,0,0	504	0.41	0.0	0.0	40,0,0
		512	0.41	0.0	0.0	40,0,0	513	0.42	0.0	0.0	40,0,0
436	ok	506	0.41	0.0	0.0	40,0,0	505	0.42	0.0	0.0	40,0,0
		513	0.42	0.0	0.0	40,0,0	514	0.42	0.0	0.0	40,0,0
437	ok	507	0.41	0.0	0.0	40,0,0	506	0.42	0.0	0.0	40,0,0

		514	0.42	0.0	0.0	40,0,0	515	0.41	0.0	0.0	40,0,0
438	ok	508	0.41	0.0	0.0	44,0,0	507	0.42	0.0	0.0	44,0,0
		515	0.42	0.0	0.0	44,0,0	516	0.42	0.0	0.0	64,0,0
439	ok	509	0.42	0.0	0.0	64,0,0	508	0.42	0.0	0.0	44,0,0
		516	0.42	0.0	0.0	44,0,0	517	0.42	0.0	0.0	64,0,0
440	ok	510	0.42	0.0	0.0	64,0,0	509	0.42	0.0	0.0	44,0,0
		517	0.42	0.0	0.0	64,0,0	518	0.42	0.0	0.0	64,0,0
441	ok	375	0.43	0.0	0.0	64,0,0	510	0.42	0.0	0.0	64,0,0
		518	0.42	0.0	0.0	64,0,0	386	0.43	0.0	0.0	64,0,0
442	ok	471	0.61	0.0	0.0	55,0,0	461	0.49	0.0	0.0	57,0,0
		482	0.42	0.0	0.0	63,0,0	519	0.56	0.0	0.0	55,0,0
443	ok	297	0.62	0.0	0.0	55,0,0	471	0.65	0.0	0.0	55,0,0
		519	0.50	0.0	0.0	55,0,0	329	0.62	0.0	0.0	55,0,0
444	ok	512	0.47	0.0	0.0	55,0,0	511	0.47	0.0	0.0	55,0,0
		520	0.45	0.0	0.0	59,0,0	521	0.45	0.0	0.0	55,0,0
445	ok	513	0.47	0.0	0.0	59,0,0	512	0.47	0.0	0.0	55,0,0
		521	0.45	0.0	0.0	55,0,0	522	0.45	0.0	0.0	55,0,0
446	ok	514	0.47	0.0	0.0	59,0,0	513	0.47	0.0	0.0	55,0,0
		522	0.45	0.0	0.0	59,0,0	523	0.45	0.0	0.0	55,0,0
447	ok	515	0.47	0.0	0.0	55,0,0	514	0.47	0.0	0.0	55,0,0
		523	0.45	0.0	0.0	55,0,0	524	0.45	0.0	0.0	55,0,0
448	ok	516	0.47	0.0	0.0	55,0,0	515	0.47	0.0	0.0	55,0,0
		524	0.45	0.0	0.0	55,0,0	525	0.45	0.0	0.0	55,0,0
449	ok	517	0.48	0.0	0.0	55,0,0	516	0.47	0.0	0.0	55,0,0
		525	0.45	0.0	0.0	55,0,0	526	0.46	0.0	0.0	55,0,0
450	ok	518	0.48	0.0	0.0	59,0,0	517	0.48	0.0	0.0	55,0,0
		526	0.46	0.0	0.0	55,0,0	527	0.47	0.0	0.0	59,0,0
451	ok	386	0.48	0.0	0.0	59,0,0	518	0.48	0.0	0.0	59,0,0
		527	0.46	0.0	0.0	55,0,0	397	0.48	0.0	0.0	59,0,0
452	ok	519	0.44	0.0	0.0	55,0,0	482	0.40	0.0	0.0	67,0,0
		483	0.25	0.0	0.0	41,0,0	528	0.52	0.0	0.0	55,0,0
453	ok	329	0.65	0.0	0.0	55,0,0	519	0.49	0.0	0.0	55,0,0
		528	0.63	0.0	0.0	61,0,0	5	0.66	0.0	0.0	55,0,0
454	ok	521	0.51	0.0	0.0	55,0,0	520	0.51	0.0	0.0	53,0,0
		529	0.48	0.0	0.0	53,0,0	530	0.48	0.0	0.0	55,0,0
455	ok	522	0.51	0.0	0.0	55,0,0	521	0.51	0.0	0.0	55,0,0
		530	0.48	0.0	0.0	55,0,0	531	0.48	0.0	0.0	55,0,0
456	ok	523	0.51	0.0	0.0	55,0,0	522	0.51	0.0	0.0	55,0,0
		531	0.47	0.0	0.0	55,0,0	532	0.47	0.0	0.0	55,0,0
457	ok	524	0.51	0.0	0.0	55,0,0	523	0.51	0.0	0.0	55,0,0
		532	0.47	0.0	0.0	55,0,0	533	0.47	0.0	0.0	55,0,0
458	ok	525	0.51	0.0	0.0	55,0,0	524	0.51	0.0	0.0	55,0,0
		533	0.47	0.0	0.0	55,0,0	534	0.48	0.0	0.0	55,0,0
459	ok	526	0.52	0.0	0.0	57,0,0	525	0.52	0.0	0.0	55,0,0
		534	0.48	0.0	0.0	55,0,0	535	0.49	0.0	0.0	59,0,0
460	ok	527	0.53	0.0	0.0	53,0,0	526	0.52	0.0	0.0	55,0,0
		535	0.49	0.0	0.0	55,0,0	536	0.50	0.0	0.0	55,0,0
461	ok	397	0.53	0.0	0.0	59,0,0	527	0.54	0.0	0.0	53,0,0
		536	0.49	0.0	0.0	55,0,0	408	0.52	0.0	0.0	55,0,0
462	ok	493	0.39	0.0	0.0	57,0,0	492	0.67	0.0	0.0	57,0,0
		426	0.65	0.0	0.0	57,0,0	538	0.66	0.0	0.0	44,0,0
463	ok	494	0.39	0.0	0.0	41,0,0	493	0.39	0.0	0.0	57,0,0
		538	0.45	0.0	0.0	41,0,0	539	0.31	0.0	0.0	38,0,0
464	ok	530	0.54	0.0	0.0	55,0,0	529	0.54	0.0	0.0	53,0,0
		456	0.50	0.0	0.0	57,0,0	429	0.49	0.0	0.0	55,0,0
465	ok	531	0.53	0.0	0.0	55,0,0	530	0.54	0.0	0.0	55,0,0
		429	0.49	0.0	0.0	55,0,0	428	0.48	0.0	0.0	55,0,0
466	ok	532	0.52	0.0	0.0	55,0,0	531	0.53	0.0	0.0	55,0,0
		428	0.48	0.0	0.0	55,0,0	432	0.47	0.0	0.0	55,0,0
467	ok	533	0.52	0.0	0.0	55,0,0	532	0.52	0.0	0.0	55,0,0
		432	0.46	0.0	0.0	55,0,0	434	0.46	0.0	0.0	55,0,0
468	ok	534	0.53	0.0	0.0	57,0,0	533	0.52	0.0	0.0	55,0,0
		434	0.46	0.0	0.0	55,0,0	458	0.47	0.0	0.0	59,0,0
469	ok	535	0.55	0.0	0.0	57,0,0	534	0.53	0.0	0.0	55,0,0
		458	0.47	0.0	0.0	55,0,0	460	0.49	0.0	0.0	57,0,0
470	ok	536	0.56	0.0	0.0	57,0,0	535	0.55	0.0	0.0	57,0,0
		460	0.49	0.0	0.0	57,0,0	470	0.51	0.0	0.0	57,0,0
471	ok	408	0.55	0.0	0.0	55,0,0	536	0.58	0.0	0.0	57,0,0
		470	0.50	0.0	0.0	57,0,0	327	0.55	0.0	0.0	55,0,0
472	ok	453	0.29	0.0	0.0	38,0,0	494	0.29	0.0	0.0	57,0,0
		539	0.35	0.0	0.0	57,0,0	454	0.26	0.0	0.0	41,0,0
473	ok	7	0.66	0.0	0.0	60,0,0	450	0.63	0.0	0.0	66,0,0
		451	0.48	0.0	0.0	60,0,0	312	0.65	0.0	0.0	60,0,0
474	ok	540	0.55	0.0	0.0	53,0,0	541	0.58	0.0	0.0	53,0,0
		542	0.52	0.0	0.0	57,0,0	543	0.49	0.0	0.0	57,0,0
475	ok	544	0.51	0.0	0.0	57,0,0	540	0.55	0.0	0.0	53,0,0
		543	0.49	0.0	0.0	53,0,0	545	0.44	0.0	0.0	57,0,0

476	ok	546	0.48	0.0	0.0	57,0,0	544	0.50	0.0	0.0	53,0,0
		545	0.44	0.0	0.0	57,0,0	547	0.42	0.0	0.0	57,0,0
477	ok	706	0.66	0.0	0.0	48,0,0	427	0.64	0.0	0.0	54,0,0
		707	0.66	0.0	0.0	58,0,0	548	0.43	0.0	0.0	58,0,0
478	ok	708	0.34	0.0	0.0	45,0,0	706	0.52	0.0	0.0	58,0,0
		548	0.44	0.0	0.0	58,0,0	549	0.43	0.0	0.0	50,0,0
479	ok	709	0.29	0.0	0.0	50,0,0	708	0.43	0.0	0.0	54,0,0
		549	0.35	0.0	0.0	54,0,0	550	0.34	0.0	0.0	54,0,0
480	ok	710	0.28	0.0	0.0	50,0,0	709	0.32	0.0	0.0	54,0,0
		550	0.27	0.0	0.0	56,0,0	551	0.26	0.0	0.0	54,0,0
481	ok	711	0.29	0.0	0.0	66,0,0	710	0.22	0.0	0.0	60,0,0
		551	0.24	0.0	0.0	66,0,0	552	0.23	0.0	0.0	66,0,0
482	ok	712	0.36	0.0	0.0	60,0,0	711	0.16	0.0	0.0	57,0,0
		552	0.28	0.0	0.0	64,0,0	553	0.29	0.0	0.0	60,0,0
483	ok	713	0.51	0.0	0.0	60,0,0	712	0.24	0.0	0.0	45,0,0
		553	0.38	0.0	0.0	60,0,0	554	0.43	0.0	0.0	60,0,0
484	ok	555	0.26	0.0	0.0	57,0,0	556	0.27	0.0	0.0	59,0,0
		714	0.32	0.0	0.0	57,0,0	715	0.28	0.0	0.0	41,0,0
485	ok	541	0.59	0.0	0.0	53,0,0	716	0.59	0.0	0.0	57,0,0
		717	0.53	0.0	0.0	57,0,0	542	0.53	0.0	0.0	53,0,0
486	ok	557	0.49	0.0	0.0	57,0,0	546	0.48	0.0	0.0	57,0,0
		547	0.41	0.0	0.0	57,0,0	558	0.42	0.0	0.0	57,0,0
487	ok	559	0.52	0.0	0.0	57,0,0	557	0.49	0.0	0.0	57,0,0
		558	0.41	0.0	0.0	57,0,0	560	0.45	0.0	0.0	57,0,0
488	ok	548	0.53	0.0	0.0	58,0,0	707	0.53	0.0	0.0	54,0,0
		718	0.63	0.0	0.0	54,0,0	561	0.61	0.0	0.0	58,0,0
489	ok	549	0.46	0.0	0.0	54,0,0	548	0.56	0.0	0.0	54,0,0
		561	0.61	0.0	0.0	58,0,0	562	0.49	0.0	0.0	58,0,0
490	ok	550	0.37	0.0	0.0	54,0,0	549	0.44	0.0	0.0	58,0,0
		562	0.47	0.0	0.0	60,0,0	563	0.42	0.0	0.0	54,0,0
491	ok	551	0.31	0.0	0.0	54,0,0	550	0.36	0.0	0.0	54,0,0
		563	0.41	0.0	0.0	54,0,0	564	0.38	0.0	0.0	54,0,0
492	ok	552	0.30	0.0	0.0	54,0,0	551	0.29	0.0	0.0	56,0,0
		564	0.37	0.0	0.0	56,0,0	565	0.39	0.0	0.0	54,0,0
493	ok	553	0.38	0.0	0.0	54,0,0	552	0.31	0.0	0.0	56,0,0
		565	0.39	0.0	0.0	54,0,0	566	0.45	0.0	0.0	54,0,0
494	ok	554	0.53	0.0	0.0	60,0,0	553	0.38	0.0	0.0	60,0,0
		566	0.45	0.0	0.0	54,0,0	567	0.57	0.0	0.0	54,0,0
495	ok	438	0.49	0.0	0.0	60,0,0	554	0.49	0.0	0.0	54,0,0
		567	0.58	0.0	0.0	54,0,0	462	0.59	0.0	0.0	60,0,0
496	ok	568	0.55	0.0	0.0	57,0,0	559	0.52	0.0	0.0	57,0,0
		560	0.45	0.0	0.0	57,0,0	569	0.48	0.0	0.0	57,0,0
497	ok	456	0.55	0.0	0.0	55,0,0	568	0.55	0.0	0.0	57,0,0
		569	0.49	0.0	0.0	57,0,0	457	0.49	0.0	0.0	55,0,0
498	ok	561	0.53	0.0	0.0	58,0,0	718	0.53	0.0	0.0	54,0,0
		719	0.59	0.0	0.0	54,0,0	570	0.59	0.0	0.0	58,0,0
499	ok	562	0.49	0.0	0.0	54,0,0	561	0.52	0.0	0.0	54,0,0
		570	0.58	0.0	0.0	58,0,0	571	0.55	0.0	0.0	58,0,0
500	ok	563	0.44	0.0	0.0	54,0,0	562	0.49	0.0	0.0	58,0,0
		571	0.55	0.0	0.0	58,0,0	572	0.50	0.0	0.0	54,0,0
501	ok	564	0.41	0.0	0.0	54,0,0	563	0.43	0.0	0.0	54,0,0
		572	0.50	0.0	0.0	58,0,0	573	0.48	0.0	0.0	54,0,0
502	ok	565	0.41	0.0	0.0	54,0,0	564	0.40	0.0	0.0	54,0,0
		573	0.47	0.0	0.0	54,0,0	574	0.49	0.0	0.0	54,0,0
503	ok	566	0.45	0.0	0.0	54,0,0	565	0.41	0.0	0.0	54,0,0
		574	0.48	0.0	0.0	54,0,0	575	0.52	0.0	0.0	54,0,0
504	ok	567	0.48	0.0	0.0	54,0,0	566	0.45	0.0	0.0	54,0,0
		575	0.52	0.0	0.0	54,0,0	576	0.55	0.0	0.0	54,0,0
505	ok	462	0.49	0.0	0.0	60,0,0	567	0.49	0.0	0.0	54,0,0
		576	0.55	0.0	0.0	54,0,0	472	0.55	0.0	0.0	60,0,0
506	ok	577	0.23	0.0	0.0	61,0,0	555	0.24	0.0	0.0	61,0,0
		715	0.22	0.0	0.0	55,0,0	720	0.29	0.0	0.0	61,0,0
507	ok	578	0.29	0.0	0.0	55,0,0	577	0.28	0.0	0.0	67,0,0
		720	0.16	0.0	0.0	54,0,0	721	0.35	0.0	0.0	55,0,0
508	ok	570	0.53	0.0	0.0	54,0,0	719	0.54	0.0	0.0	54,0,0
		722	0.58	0.0	0.0	54,0,0	579	0.57	0.0	0.0	54,0,0
509	ok	571	0.51	0.0	0.0	54,0,0	570	0.52	0.0	0.0	54,0,0
		579	0.57	0.0	0.0	54,0,0	580	0.55	0.0	0.0	54,0,0
510	ok	572	0.48	0.0	0.0	54,0,0	571	0.50	0.0	0.0	54,0,0
		580	0.55	0.0	0.0	54,0,0	581	0.53	0.0	0.0	58,0,0
511	ok	573	0.46	0.0	0.0	54,0,0	572	0.48	0.0	0.0	54,0,0
		581	0.53	0.0	0.0	54,0,0	582	0.52	0.0	0.0	54,0,0
512	ok	574	0.46	0.0	0.0	54,0,0	573	0.46	0.0	0.0	54,0,0
		582	0.52	0.0	0.0	54,0,0	583	0.52	0.0	0.0	54,0,0
513	ok	575	0.48	0.0	0.0	54,0,0	574	0.46	0.0	0.0	54,0,0
		583	0.52	0.0	0.0	54,0,0	584	0.53	0.0	0.0	54,0,0
514	ok	576	0.49	0.0	0.0	54,0,0	575	0.48	0.0	0.0	54,0,0

		584	0.53	0.0	0.0	54,0,0	585	0.54	0.0	0.0	54,0,0
515	ok	472	0.50	0.0	0.0	60,0,0	576	0.49	0.0	0.0	54,0,0
		585	0.54	0.0	0.0	54,0,0	484	0.54	0.0	0.0	60,0,0
516	ok	542	0.61	0.0	0.0	53,0,0	717	0.62	0.0	0.0	57,0,0
		723	0.52	0.0	0.0	57,0,0	586	0.54	0.0	0.0	53,0,0
517	ok	543	0.50	0.0	0.0	53,0,0	542	0.61	0.0	0.0	53,0,0
		586	0.56	0.0	0.0	57,0,0	587	0.46	0.0	0.0	57,0,0
518	ok	579	0.51	0.0	0.0	54,0,0	722	0.52	0.0	0.0	54,0,0
		724	0.55	0.0	0.0	54,0,0	588	0.54	0.0	0.0	54,0,0
519	ok	580	0.50	0.0	0.0	54,0,0	579	0.51	0.0	0.0	54,0,0
		588	0.54	0.0	0.0	54,0,0	589	0.53	0.0	0.0	54,0,0
520	ok	581	0.49	0.0	0.0	58,0,0	580	0.50	0.0	0.0	54,0,0
		589	0.53	0.0	0.0	54,0,0	590	0.52	0.0	0.0	58,0,0
521	ok	582	0.48	0.0	0.0	54,0,0	581	0.48	0.0	0.0	54,0,0
		590	0.52	0.0	0.0	58,0,0	591	0.51	0.0	0.0	54,0,0
522	ok	583	0.47	0.0	0.0	54,0,0	582	0.47	0.0	0.0	54,0,0
		591	0.51	0.0	0.0	54,0,0	592	0.51	0.0	0.0	58,0,0
523	ok	584	0.48	0.0	0.0	54,0,0	583	0.47	0.0	0.0	58,0,0
		592	0.51	0.0	0.0	58,0,0	593	0.51	0.0	0.0	54,0,0
524	ok	585	0.48	0.0	0.0	54,0,0	584	0.48	0.0	0.0	54,0,0
		593	0.51	0.0	0.0	54,0,0	594	0.52	0.0	0.0	54,0,0
525	ok	484	0.48	0.0	0.0	60,0,0	585	0.48	0.0	0.0	54,0,0
		594	0.51	0.0	0.0	54,0,0	495	0.52	0.0	0.0	60,0,0
526	ok	545	0.43	0.0	0.0	57,0,0	543	0.48	0.0	0.0	55,0,0
		587	0.44	0.0	0.0	53,0,0	556	0.37	0.0	0.0	57,0,0
527	ok	547	0.39	0.0	0.0	57,0,0	545	0.42	0.0	0.0	59,0,0
		556	0.36	0.0	0.0	57,0,0	555	0.31	0.0	0.0	57,0,0
528	ok	588	0.48	0.0	0.0	54,0,0	724	0.48	0.0	0.0	54,0,0
		725	0.50	0.0	0.0	54,0,0	595	0.49	0.0	0.0	54,0,0
529	ok	589	0.47	0.0	0.0	54,0,0	588	0.48	0.0	0.0	54,0,0
		595	0.49	0.0	0.0	54,0,0	596	0.49	0.0	0.0	54,0,0
530	ok	590	0.46	0.0	0.0	54,0,0	589	0.47	0.0	0.0	54,0,0
		596	0.48	0.0	0.0	54,0,0	597	0.48	0.0	0.0	58,0,0
531	ok	591	0.46	0.0	0.0	58,0,0	590	0.46	0.0	0.0	58,0,0
		597	0.48	0.0	0.0	58,0,0	598	0.48	0.0	0.0	58,0,0
532	ok	592	0.45	0.0	0.0	58,0,0	591	0.46	0.0	0.0	58,0,0
		598	0.47	0.0	0.0	58,0,0	599	0.47	0.0	0.0	58,0,0
533	ok	593	0.46	0.0	0.0	54,0,0	592	0.46	0.0	0.0	54,0,0
		599	0.47	0.0	0.0	58,0,0	600	0.47	0.0	0.0	54,0,0
534	ok	594	0.46	0.0	0.0	54,0,0	593	0.45	0.0	0.0	54,0,0
		600	0.47	0.0	0.0	54,0,0	601	0.47	0.0	0.0	54,0,0
535	ok	495	0.46	0.0	0.0	60,0,0	594	0.46	0.0	0.0	54,0,0
		601	0.47	0.0	0.0	54,0,0	503	0.47	0.0	0.0	60,0,0
536	ok	558	0.40	0.0	0.0	57,0,0	547	0.38	0.0	0.0	57,0,0
		555	0.30	0.0	0.0	59,0,0	577	0.31	0.0	0.0	57,0,0
537	ok	560	0.46	0.0	0.0	57,0,0	558	0.40	0.0	0.0	57,0,0
		577	0.32	0.0	0.0	59,0,0	578	0.39	0.0	0.0	57,0,0
538	ok	595	0.45	0.0	0.0	38,0,0	725	0.46	0.0	0.0	38,0,0
		726	0.46	0.0	0.0	45,0,0	602	0.45	0.0	0.0	45,0,0
539	ok	596	0.44	0.0	0.0	38,0,0	595	0.45	0.0	0.0	38,0,0
		602	0.45	0.0	0.0	46,0,0	603	0.44	0.0	0.0	46,0,0
540	ok	597	0.43	0.0	0.0	46,0,0	596	0.44	0.0	0.0	46,0,0
		603	0.44	0.0	0.0	46,0,0	604	0.43	0.0	0.0	46,0,0
541	ok	598	0.43	0.0	0.0	46,0,0	597	0.43	0.0	0.0	46,0,0
		604	0.43	0.0	0.0	46,0,0	605	0.43	0.0	0.0	46,0,0
542	ok	599	0.42	0.0	0.0	46,0,0	598	0.42	0.0	0.0	46,0,0
		605	0.42	0.0	0.0	46,0,0	606	0.42	0.0	0.0	46,0,0
543	ok	600	0.42	0.0	0.0	46,0,0	599	0.42	0.0	0.0	46,0,0
		606	0.42	0.0	0.0	46,0,0	607	0.42	0.0	0.0	46,0,0
544	ok	601	0.41	0.0	0.0	46,0,0	600	0.42	0.0	0.0	46,0,0
		607	0.42	0.0	0.0	46,0,0	608	0.42	0.0	0.0	46,0,0
545	ok	503	0.41	0.0	0.0	54,0,0	601	0.42	0.0	0.0	38,0,0
		608	0.42	0.0	0.0	46,0,0	511	0.41	0.0	0.0	56,0,0
546	ok	569	0.57	0.0	0.0	57,0,0	560	0.46	0.0	0.0	57,0,0
		578	0.39	0.0	0.0	55,0,0	609	0.52	0.0	0.0	55,0,0
547	ok	457	0.57	0.0	0.0	55,0,0	569	0.58	0.0	0.0	57,0,0
		609	0.49	0.0	0.0	57,0,0	492	0.48	0.0	0.0	55,0,0
548	ok	602	0.49	0.0	0.0	57,0,0	726	0.49	0.0	0.0	57,0,0
		727	0.48	0.0	0.0	57,0,0	610	0.48	0.0	0.0	57,0,0
549	ok	603	0.48	0.0	0.0	57,0,0	602	0.49	0.0	0.0	57,0,0
		610	0.47	0.0	0.0	57,0,0	611	0.47	0.0	0.0	57,0,0
550	ok	604	0.48	0.0	0.0	53,0,0	603	0.48	0.0	0.0	57,0,0
		611	0.47	0.0	0.0	57,0,0	612	0.46	0.0	0.0	57,0,0
551	ok	605	0.47	0.0	0.0	53,0,0	604	0.47	0.0	0.0	53,0,0
		612	0.46	0.0	0.0	53,0,0	613	0.45	0.0	0.0	53,0,0
552	ok	606	0.47	0.0	0.0	53,0,0	605	0.47	0.0	0.0	53,0,0
		613	0.45	0.0	0.0	53,0,0	614	0.45	0.0	0.0	53,0,0

553	ok	607	0.47	0.0	0.0	57,0,0	606	0.47	0.0	0.0	53,0,0
		614	0.45	0.0	0.0	57,0,0	615	0.45	0.0	0.0	57,0,0
554	ok	608	0.47	0.0	0.0	57,0,0	607	0.47	0.0	0.0	57,0,0
		615	0.45	0.0	0.0	57,0,0	616	0.45	0.0	0.0	57,0,0
555	ok	511	0.47	0.0	0.0	55,0,0	608	0.47	0.0	0.0	57,0,0
		616	0.45	0.0	0.0	57,0,0	520	0.45	0.0	0.0	55,0,0
556	ok	609	0.44	0.0	0.0	55,0,0	578	0.38	0.0	0.0	55,0,0
		721	0.24	0.0	0.0	55,0,0	728	0.51	0.0	0.0	55,0,0
557	ok	492	0.67	0.0	0.0	53,0,0	609	0.44	0.0	0.0	55,0,0
		728	0.68	0.0	0.0	41,0,0	426	0.65	0.0	0.0	55,0,0
558	ok	610	0.54	0.0	0.0	57,0,0	727	0.55	0.0	0.0	57,0,0
		729	0.52	0.0	0.0	57,0,0	617	0.51	0.0	0.0	57,0,0
559	ok	611	0.53	0.0	0.0	57,0,0	610	0.54	0.0	0.0	57,0,0
		617	0.51	0.0	0.0	57,0,0	618	0.50	0.0	0.0	57,0,0
560	ok	612	0.52	0.0	0.0	53,0,0	611	0.53	0.0	0.0	57,0,0
		618	0.50	0.0	0.0	57,0,0	619	0.48	0.0	0.0	53,0,0
561	ok	613	0.51	0.0	0.0	57,0,0	612	0.51	0.0	0.0	53,0,0
		619	0.48	0.0	0.0	57,0,0	620	0.48	0.0	0.0	57,0,0
562	ok	614	0.51	0.0	0.0	53,0,0	613	0.51	0.0	0.0	57,0,0
		620	0.47	0.0	0.0	57,0,0	621	0.47	0.0	0.0	57,0,0
563	ok	615	0.51	0.0	0.0	57,0,0	614	0.51	0.0	0.0	53,0,0
		621	0.47	0.0	0.0	53,0,0	622	0.48	0.0	0.0	57,0,0
564	ok	616	0.51	0.0	0.0	57,0,0	615	0.51	0.0	0.0	57,0,0
		622	0.48	0.0	0.0	57,0,0	623	0.48	0.0	0.0	57,0,0
565	ok	520	0.51	0.0	0.0	55,0,0	616	0.51	0.0	0.0	57,0,0
		623	0.48	0.0	0.0	57,0,0	529	0.48	0.0	0.0	55,0,0
566	ok	586	0.43	0.0	0.0	57,0,0	723	0.66	0.0	0.0	53,0,0
		419	0.64	0.0	0.0	57,0,0	730	0.66	0.0	0.0	39,0,0
567	ok	587	0.43	0.0	0.0	53,0,0	586	0.45	0.0	0.0	57,0,0
		730	0.52	0.0	0.0	53,0,0	731	0.34	0.0	0.0	41,0,0
568	ok	617	0.57	0.0	0.0	57,0,0	729	0.58	0.0	0.0	57,0,0
		716	0.54	0.0	0.0	57,0,0	541	0.53	0.0	0.0	57,0,0
569	ok	618	0.55	0.0	0.0	57,0,0	617	0.57	0.0	0.0	57,0,0
		541	0.52	0.0	0.0	57,0,0	540	0.51	0.0	0.0	57,0,0
570	ok	619	0.53	0.0	0.0	53,0,0	618	0.55	0.0	0.0	57,0,0
		540	0.50	0.0	0.0	57,0,0	544	0.48	0.0	0.0	57,0,0
571	ok	620	0.52	0.0	0.0	57,0,0	619	0.53	0.0	0.0	57,0,0
		544	0.48	0.0	0.0	57,0,0	546	0.47	0.0	0.0	57,0,0
572	ok	621	0.52	0.0	0.0	57,0,0	620	0.52	0.0	0.0	57,0,0
		546	0.46	0.0	0.0	57,0,0	557	0.47	0.0	0.0	57,0,0
573	ok	622	0.53	0.0	0.0	57,0,0	621	0.52	0.0	0.0	57,0,0
		557	0.46	0.0	0.0	57,0,0	559	0.48	0.0	0.0	57,0,0
574	ok	623	0.54	0.0	0.0	57,0,0	622	0.53	0.0	0.0	57,0,0
		559	0.48	0.0	0.0	57,0,0	568	0.49	0.0	0.0	57,0,0
575	ok	529	0.54	0.0	0.0	55,0,0	623	0.54	0.0	0.0	57,0,0
		568	0.49	0.0	0.0	57,0,0	456	0.50	0.0	0.0	55,0,0
576	ok	556	0.34	0.0	0.0	57,0,0	587	0.35	0.0	0.0	57,0,0
		731	0.42	0.0	0.0	57,0,0	714	0.30	0.0	0.0	41,0,0
577	ok	420	0.65	0.0	0.0	60,0,0	713	0.69	0.0	0.0	50,0,0
		554	0.43	0.0	0.0	60,0,0	438	0.67	0.0	0.0	56,0,0
578	ok	624	0.71	0.0	0.0	57,0,0	625	0.71	0.0	0.0	57,0,0
		626	0.70	0.0	0.0	57,0,0	627	0.67	0.0	0.0	57,0,0
579	ok	628	0.62	0.0	0.0	57,0,0	624	0.71	0.0	0.0	57,0,0
		627	0.68	0.0	0.0	57,0,0	629	0.59	0.0	0.0	57,0,0
580	ok	630	0.58	0.0	0.0	57,0,0	628	0.62	0.0	0.0	57,0,0
		629	0.58	0.0	0.0	57,0,0	631	0.53	0.0	0.0	57,0,0
581	ok	732	0.64	0.0	0.0	54,0,0	417	0.62	0.0	0.0	59,0,0
		734	0.63	0.0	0.0	60,0,0	632	0.67	0.0	0.0	58,0,0
582	ok	735	0.59	0.0	0.0	54,0,0	732	0.66	0.0	0.0	54,0,0
		632	0.66	0.0	0.0	54,0,0	633	0.62	0.0	0.0	54,0,0
583	ok	736	0.49	0.0	0.0	54,0,0	735	0.63	0.0	0.0	54,0,0
		633	0.55	0.0	0.0	54,0,0	634	0.50	0.0	0.0	54,0,0
584	ok	737	0.42	0.0	0.0	58,0,0	736	0.50	0.0	0.0	58,0,0
		634	0.44	0.0	0.0	58,0,0	635	0.40	0.0	0.0	58,0,0
585	ok	738	0.38	0.0	0.0	38,0,0	737	0.37	0.0	0.0	54,0,0
		635	0.34	0.0	0.0	54,0,0	636	0.28	0.0	0.0	54,0,0
586	ok	739	0.38	0.0	0.0	58,0,0	738	0.22	0.0	0.0	53,0,0
		636	0.27	0.0	0.0	50,0,0	637	0.28	0.0	0.0	56,0,0
587	ok	740	0.53	0.0	0.0	60,0,0	739	0.23	0.0	0.0	60,0,0
		637	0.38	0.0	0.0	60,0,0	638	0.44	0.0	0.0	60,0,0
588	ok	639	0.40	0.0	0.0	53,0,0	640	0.44	0.0	0.0	53,0,0
		741	0.50	0.0	0.0	53,0,0	742	0.42	0.0	0.0	53,0,0
589	ok	625	0.72	0.0	0.0	57,0,0	743	0.69	0.0	0.0	57,0,0
		744	0.70	0.0	0.0	57,0,0	626	0.69	0.0	0.0	57,0,0
590	ok	641	0.56	0.0	0.0	57,0,0	630	0.57	0.0	0.0	57,0,0
		631	0.51	0.0	0.0	57,0,0	642	0.50	0.0	0.0	57,0,0
591	ok	643	0.58	0.0	0.0	57,0,0	641	0.56	0.0	0.0	57,0,0

		642	0.49	0.0	0.0	57,0,0	644	0.51	0.0	0.0	57,0,0
592	ok	632	0.65	0.0	0.0	54,0,0	734	0.66	0.0	0.0	54,0,0
		745	0.66	0.0	0.0	54,0,0	645	0.69	0.0	0.0	54,0,0
593	ok	633	0.67	0.0	0.0	54,0,0	632	0.66	0.0	0.0	54,0,0
		645	0.68	0.0	0.0	54,0,0	646	0.67	0.0	0.0	54,0,0
594	ok	634	0.56	0.0	0.0	54,0,0	633	0.67	0.0	0.0	54,0,0
		646	0.67	0.0	0.0	54,0,0	647	0.57	0.0	0.0	54,0,0
595	ok	635	0.46	0.0	0.0	58,0,0	634	0.54	0.0	0.0	54,0,0
		647	0.55	0.0	0.0	54,0,0	648	0.49	0.0	0.0	54,0,0
596	ok	636	0.39	0.0	0.0	58,0,0	635	0.42	0.0	0.0	58,0,0
		648	0.47	0.0	0.0	58,0,0	649	0.45	0.0	0.0	58,0,0
597	ok	637	0.40	0.0	0.0	54,0,0	636	0.35	0.0	0.0	58,0,0
		649	0.44	0.0	0.0	54,0,0	650	0.49	0.0	0.0	54,0,0
598	ok	638	0.53	0.0	0.0	54,0,0	637	0.39	0.0	0.0	54,0,0
		650	0.49	0.0	0.0	54,0,0	651	0.61	0.0	0.0	54,0,0
599	ok	707	0.54	0.0	0.0	54,0,0	638	0.52	0.0	0.0	54,0,0
		651	0.62	0.0	0.0	54,0,0	718	0.63	0.0	0.0	54,0,0
600	ok	652	0.60	0.0	0.0	57,0,0	643	0.58	0.0	0.0	57,0,0
		644	0.50	0.0	0.0	57,0,0	653	0.53	0.0	0.0	57,0,0
601	ok	716	0.59	0.0	0.0	57,0,0	652	0.60	0.0	0.0	57,0,0
		653	0.53	0.0	0.0	57,0,0	717	0.54	0.0	0.0	57,0,0
602	ok	645	0.69	0.0	0.0	54,0,0	745	0.70	0.0	0.0	54,0,0
		746	0.69	0.0	0.0	54,0,0	654	0.72	0.0	0.0	54,0,0
603	ok	646	0.67	0.0	0.0	54,0,0	645	0.69	0.0	0.0	54,0,0
		654	0.71	0.0	0.0	54,0,0	655	0.71	0.0	0.0	54,0,0
604	ok	647	0.59	0.0	0.0	54,0,0	646	0.68	0.0	0.0	54,0,0
		655	0.71	0.0	0.0	54,0,0	656	0.62	0.0	0.0	54,0,0
605	ok	648	0.53	0.0	0.0	54,0,0	647	0.58	0.0	0.0	54,0,0
		656	0.62	0.0	0.0	54,0,0	657	0.57	0.0	0.0	54,0,0
606	ok	649	0.49	0.0	0.0	54,0,0	648	0.51	0.0	0.0	54,0,0
		657	0.57	0.0	0.0	54,0,0	658	0.56	0.0	0.0	54,0,0
607	ok	650	0.50	0.0	0.0	54,0,0	649	0.48	0.0	0.0	54,0,0
		658	0.55	0.0	0.0	54,0,0	659	0.57	0.0	0.0	54,0,0
608	ok	651	0.53	0.0	0.0	54,0,0	650	0.50	0.0	0.0	54,0,0
		659	0.57	0.0	0.0	54,0,0	660	0.60	0.0	0.0	54,0,0
609	ok	718	0.54	0.0	0.0	54,0,0	651	0.53	0.0	0.0	54,0,0
		660	0.60	0.0	0.0	54,0,0	719	0.59	0.0	0.0	54,0,0
610	ok	661	0.29	0.0	0.0	57,0,0	639	0.34	0.0	0.0	57,0,0
		742	0.37	0.0	0.0	57,0,0	747	0.38	0.0	0.0	45,0,0
611	ok	662	0.29	0.0	0.0	59,0,0	661	0.27	0.0	0.0	41,0,0
		747	0.22	0.0	0.0	60,0,0	748	0.38	0.0	0.0	57,0,0
612	ok	654	0.66	0.0	0.0	54,0,0	746	0.73	0.0	0.0	54,0,0
		749	0.72	0.0	0.0	54,0,0	663	0.75	0.0	0.0	54,0,0
613	ok	655	0.64	0.0	0.0	54,0,0	654	0.71	0.0	0.0	54,0,0
		663	0.73	0.0	0.0	54,0,0	664	0.68	0.0	0.0	54,0,0
614	ok	656	0.59	0.0	0.0	54,0,0	655	0.64	0.0	0.0	54,0,0
		664	0.68	0.0	0.0	54,0,0	665	0.63	0.0	0.0	54,0,0
615	ok	657	0.55	0.0	0.0	54,0,0	656	0.59	0.0	0.0	54,0,0
		665	0.63	0.0	0.0	54,0,0	666	0.60	0.0	0.0	54,0,0
616	ok	658	0.54	0.0	0.0	54,0,0	657	0.55	0.0	0.0	54,0,0
		666	0.60	0.0	0.0	54,0,0	667	0.58	0.0	0.0	54,0,0
617	ok	659	0.53	0.0	0.0	54,0,0	658	0.53	0.0	0.0	54,0,0
		667	0.58	0.0	0.0	54,0,0	668	0.58	0.0	0.0	54,0,0
618	ok	660	0.54	0.0	0.0	54,0,0	659	0.53	0.0	0.0	54,0,0
		668	0.58	0.0	0.0	54,0,0	669	0.58	0.0	0.0	54,0,0
619	ok	719	0.54	0.0	0.0	54,0,0	660	0.54	0.0	0.0	54,0,0
		669	0.58	0.0	0.0	54,0,0	722	0.58	0.0	0.0	54,0,0
620	ok	626	0.69	0.0	0.0	57,0,0	744	0.66	0.0	0.0	57,0,0
		750	0.67	0.0	0.0	57,0,0	670	0.66	0.0	0.0	57,0,0
621	ok	627	0.68	0.0	0.0	57,0,0	626	0.68	0.0	0.0	57,0,0
		670	0.66	0.0	0.0	57,0,0	671	0.67	0.0	0.0	57,0,0
622	ok	663	0.59	0.0	0.0	54,0,0	749	0.68	0.0	0.0	54,0,0
		751	0.65	0.0	0.0	54,0,0	672	0.65	0.0	0.0	54,0,0
623	ok	664	0.58	0.0	0.0	54,0,0	663	0.63	0.0	0.0	54,0,0
		672	0.64	0.0	0.0	54,0,0	673	0.62	0.0	0.0	54,0,0
624	ok	665	0.56	0.0	0.0	54,0,0	664	0.59	0.0	0.0	54,0,0
		673	0.62	0.0	0.0	54,0,0	674	0.59	0.0	0.0	54,0,0
625	ok	666	0.54	0.0	0.0	54,0,0	665	0.56	0.0	0.0	54,0,0
		674	0.59	0.0	0.0	54,0,0	675	0.57	0.0	0.0	54,0,0
626	ok	667	0.53	0.0	0.0	54,0,0	666	0.54	0.0	0.0	54,0,0
		675	0.57	0.0	0.0	54,0,0	676	0.56	0.0	0.0	54,0,0
627	ok	668	0.53	0.0	0.0	54,0,0	667	0.53	0.0	0.0	54,0,0
		676	0.56	0.0	0.0	54,0,0	677	0.56	0.0	0.0	54,0,0
628	ok	669	0.53	0.0	0.0	54,0,0	668	0.52	0.0	0.0	54,0,0
		677	0.56	0.0	0.0	54,0,0	678	0.56	0.0	0.0	54,0,0
629	ok	722	0.52	0.0	0.0	54,0,0	669	0.52	0.0	0.0	54,0,0
		678	0.55	0.0	0.0	54,0,0	724	0.55	0.0	0.0	54,0,0

630	ok	629	0.57	0.0	0.0	57,0,0	627	0.68	0.0	0.0	57,0,0
		671	0.67	0.0	0.0	57,0,0	640	0.57	0.0	0.0	57,0,0
631	ok	631	0.50	0.0	0.0	57,0,0	629	0.56	0.0	0.0	57,0,0
		640	0.54	0.0	0.0	57,0,0	639	0.47	0.0	0.0	53,0,0
632	ok	672	0.50	0.0	0.0	54,0,0	751	0.56	0.0	0.0	38,0,0
		752	0.55	0.0	0.0	38,0,0	679	0.54	0.0	0.0	54,0,0
633	ok	673	0.51	0.0	0.0	54,0,0	672	0.53	0.0	0.0	54,0,0
		679	0.54	0.0	0.0	54,0,0	680	0.53	0.0	0.0	54,0,0
634	ok	674	0.50	0.0	0.0	54,0,0	673	0.52	0.0	0.0	54,0,0
		680	0.53	0.0	0.0	54,0,0	681	0.52	0.0	0.0	54,0,0
635	ok	675	0.50	0.0	0.0	54,0,0	674	0.51	0.0	0.0	54,0,0
		681	0.52	0.0	0.0	54,0,0	682	0.51	0.0	0.0	54,0,0
636	ok	676	0.49	0.0	0.0	54,0,0	675	0.50	0.0	0.0	54,0,0
		682	0.51	0.0	0.0	54,0,0	683	0.51	0.0	0.0	54,0,0
637	ok	677	0.49	0.0	0.0	54,0,0	676	0.49	0.0	0.0	54,0,0
		683	0.51	0.0	0.0	54,0,0	684	0.51	0.0	0.0	54,0,0
638	ok	678	0.49	0.0	0.0	54,0,0	677	0.49	0.0	0.0	54,0,0
		684	0.51	0.0	0.0	54,0,0	685	0.51	0.0	0.0	54,0,0
639	ok	724	0.49	0.0	0.0	54,0,0	678	0.49	0.0	0.0	54,0,0
		685	0.50	0.0	0.0	54,0,0	725	0.50	0.0	0.0	54,0,0
640	ok	642	0.46	0.0	0.0	53,0,0	631	0.48	0.0	0.0	53,0,0
		639	0.43	0.0	0.0	53,0,0	661	0.39	0.0	0.0	53,0,0
641	ok	644	0.50	0.0	0.0	57,0,0	642	0.45	0.0	0.0	57,0,0
		661	0.36	0.0	0.0	53,0,0	662	0.41	0.0	0.0	57,0,0
642	ok	679	0.49	0.0	0.0	38,0,0	752	0.52	0.0	0.0	38,0,0
		753	0.51	0.0	0.0	38,0,0	686	0.49	0.0	0.0	38,0,0
643	ok	680	0.48	0.0	0.0	38,0,0	679	0.50	0.0	0.0	38,0,0
		686	0.50	0.0	0.0	38,0,0	687	0.48	0.0	0.0	38,0,0
644	ok	681	0.48	0.0	0.0	46,0,0	680	0.49	0.0	0.0	46,0,0
		687	0.48	0.0	0.0	38,0,0	688	0.47	0.0	0.0	37,0,0
645	ok	682	0.47	0.0	0.0	46,0,0	681	0.48	0.0	0.0	46,0,0
		688	0.48	0.0	0.0	37,0,0	689	0.47	0.0	0.0	37,0,0
646	ok	683	0.47	0.0	0.0	46,0,0	682	0.47	0.0	0.0	46,0,0
		689	0.47	0.0	0.0	37,0,0	690	0.47	0.0	0.0	37,0,0
647	ok	684	0.47	0.0	0.0	46,0,0	683	0.47	0.0	0.0	46,0,0
		690	0.47	0.0	0.0	37,0,0	691	0.47	0.0	0.0	37,0,0
648	ok	685	0.47	0.0	0.0	46,0,0	684	0.47	0.0	0.0	38,0,0
		691	0.47	0.0	0.0	45,0,0	692	0.46	0.0	0.0	45,0,0
649	ok	725	0.46	0.0	0.0	38,0,0	685	0.47	0.0	0.0	38,0,0
		692	0.46	0.0	0.0	45,0,0	726	0.46	0.0	0.0	45,0,0
650	ok	653	0.61	0.0	0.0	57,0,0	644	0.50	0.0	0.0	57,0,0
		662	0.40	0.0	0.0	57,0,0	693	0.53	0.0	0.0	57,0,0
651	ok	717	0.62	0.0	0.0	57,0,0	653	0.62	0.0	0.0	57,0,0
		693	0.53	0.0	0.0	57,0,0	723	0.53	0.0	0.0	57,0,0
652	ok	686	0.53	0.0	0.0	45,0,0	753	0.54	0.0	0.0	45,0,0
		754	0.56	0.0	0.0	45,0,0	694	0.50	0.0	0.0	45,0,0
653	ok	687	0.52	0.0	0.0	57,0,0	686	0.53	0.0	0.0	45,0,0
		694	0.52	0.0	0.0	45,0,0	695	0.50	0.0	0.0	57,0,0
654	ok	688	0.51	0.0	0.0	57,0,0	687	0.52	0.0	0.0	57,0,0
		695	0.51	0.0	0.0	57,0,0	696	0.50	0.0	0.0	57,0,0
655	ok	689	0.51	0.0	0.0	57,0,0	688	0.52	0.0	0.0	57,0,0
		696	0.50	0.0	0.0	57,0,0	697	0.49	0.0	0.0	57,0,0
656	ok	690	0.51	0.0	0.0	57,0,0	689	0.51	0.0	0.0	57,0,0
		697	0.49	0.0	0.0	57,0,0	698	0.49	0.0	0.0	57,0,0
657	ok	691	0.50	0.0	0.0	57,0,0	690	0.51	0.0	0.0	57,0,0
		698	0.49	0.0	0.0	57,0,0	699	0.49	0.0	0.0	57,0,0
658	ok	692	0.50	0.0	0.0	57,0,0	691	0.50	0.0	0.0	57,0,0
		699	0.49	0.0	0.0	57,0,0	700	0.49	0.0	0.0	57,0,0
659	ok	726	0.50	0.0	0.0	57,0,0	692	0.50	0.0	0.0	57,0,0
		700	0.48	0.0	0.0	57,0,0	727	0.48	0.0	0.0	57,0,0
660	ok	693	0.45	0.0	0.0	59,0,0	662	0.38	0.0	0.0	55,0,0
		748	0.24	0.0	0.0	55,0,0	755	0.53	0.0	0.0	55,0,0
661	ok	723	0.66	0.0	0.0	53,0,0	693	0.45	0.0	0.0	57,0,0
		755	0.59	0.0	0.0	38,0,0	419	0.65	0.0	0.0	55,0,0
662	ok	694	0.64	0.0	0.0	57,0,0	754	0.64	0.0	0.0	57,0,0
		756	0.67	0.0	0.0	57,0,0	701	0.58	0.0	0.0	57,0,0
663	ok	695	0.61	0.0	0.0	57,0,0	694	0.63	0.0	0.0	57,0,0
		701	0.62	0.0	0.0	57,0,0	702	0.58	0.0	0.0	57,0,0
664	ok	696	0.59	0.0	0.0	57,0,0	695	0.61	0.0	0.0	57,0,0
		702	0.59	0.0	0.0	57,0,0	703	0.56	0.0	0.0	57,0,0
665	ok	697	0.57	0.0	0.0	57,0,0	696	0.59	0.0	0.0	57,0,0
		703	0.56	0.0	0.0	57,0,0	704	0.54	0.0	0.0	57,0,0
666	ok	698	0.56	0.0	0.0	57,0,0	697	0.57	0.0	0.0	57,0,0
		704	0.54	0.0	0.0	57,0,0	705	0.53	0.0	0.0	57,0,0
667	ok	699	0.56	0.0	0.0	57,0,0	698	0.56	0.0	0.0	57,0,0
		705	0.53	0.0	0.0	57,0,0	437	0.52	0.0	0.0	57,0,0
668	ok	700	0.55	0.0	0.0	57,0,0	699	0.55	0.0	0.0	57,0,0

		437	0.52	0.0	0.0	57,0,0	537	0.52	0.0	0.0	57,0,0
669	ok	727	0.55	0.0	0.0	57,0,0	700	0.55	0.0	0.0	57,0,0
		537	0.52	0.0	0.0	57,0,0	729	0.52	0.0	0.0	57,0,0
670	ok	670	0.67	0.0	0.0	53,0,0	750	0.63	0.0	0.0	55,0,0
		415	0.62	0.0	0.0	56,0,0	733	0.64	0.0	0.0	57,0,0
671	ok	671	0.62	0.0	0.0	57,0,0	670	0.66	0.0	0.0	57,0,0
		733	0.66	0.0	0.0	57,0,0	423	0.60	0.0	0.0	57,0,0
672	ok	701	0.74	0.0	0.0	57,0,0	756	0.73	0.0	0.0	57,0,0
		743	0.74	0.0	0.0	57,0,0	625	0.65	0.0	0.0	57,0,0
673	ok	702	0.68	0.0	0.0	57,0,0	701	0.73	0.0	0.0	57,0,0
		625	0.70	0.0	0.0	57,0,0	624	0.64	0.0	0.0	57,0,0
674	ok	703	0.63	0.0	0.0	57,0,0	702	0.68	0.0	0.0	57,0,0
		624	0.64	0.0	0.0	57,0,0	628	0.59	0.0	0.0	57,0,0
675	ok	704	0.60	0.0	0.0	57,0,0	703	0.63	0.0	0.0	57,0,0
		628	0.59	0.0	0.0	57,0,0	630	0.56	0.0	0.0	57,0,0
676	ok	705	0.58	0.0	0.0	57,0,0	704	0.60	0.0	0.0	57,0,0
		630	0.55	0.0	0.0	57,0,0	641	0.54	0.0	0.0	57,0,0
677	ok	437	0.58	0.0	0.0	57,0,0	705	0.58	0.0	0.0	57,0,0
		641	0.53	0.0	0.0	57,0,0	643	0.53	0.0	0.0	57,0,0
678	ok	537	0.58	0.0	0.0	57,0,0	437	0.58	0.0	0.0	57,0,0
		643	0.53	0.0	0.0	57,0,0	652	0.54	0.0	0.0	57,0,0
679	ok	729	0.58	0.0	0.0	57,0,0	537	0.58	0.0	0.0	57,0,0
		652	0.53	0.0	0.0	57,0,0	716	0.54	0.0	0.0	57,0,0
680	ok	640	0.50	0.0	0.0	57,0,0	671	0.55	0.0	0.0	57,0,0
		423	0.63	0.0	0.0	57,0,0	741	0.49	0.0	0.0	57,0,0
681	ok	427	0.65	0.0	0.0	60,0,0	740	0.60	0.0	0.0	45,0,0
		638	0.43	0.0	0.0	60,0,0	707	0.66	0.0	0.0	58,0,0

Guscio			**V N/M**	**V V/T cls**	**V V/T acc**			**V N/M**	**V V/T cls**	**V V/T acc**	
			0.75	0.0	0.0						